



Jawaharlal Nehru University,

New Delhi

The Annual Quality Assurance Report (AQAR) of the Internal Quality Assurance Cell (IQAC) (1st July 2018 to 30th June 2019)

Contents

Part – A

- 11. Details of the Institution
- 12. IQAC Composition and Activities

Part – B

- 13. Criterion – I: Curricular Aspects
- 14. Criterion – II: Teaching, Learning and Evaluation
- 15. Criterion – III: Research, Innovations and Extension
- 16. Criterion – IV: Infrastructure and Learning Resources
- 17. Criterion – V: Student Support and Progression
- 18. Criterion – VI: Governance, Leadership and Management
- 19. Criterion – VII: Institutional Values and Best Practices
- 20. Abbreviations
- 21. Annexure 1, 2, 3, 4

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Universities)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution: Jawaharlal Nehru University

- Name of the Head of the institution: Prof. M. Jagadesh Kumar
- Designation: Vice Chancellor
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.: 011-2670 4001
- Mobile no.: -
- Registered Email: vc@mail.jnu.ac.in
- Alternate Email: mamidala@mail.jnu.ac.in
- Address: R. No. 203, First Floor, Administrative Building, JNU
- City/Town: New Delhi
- State/UT: New Delhi
- Pin Code: 110 067

2. Institutional status:

- University: State/Central/Deemed/Private: (Tick appropriate): Central University
- Type of Institution: Co-education/Men/Women: Co-education
- Location: Rural/Semi-urban/Urban: Urban
- Financial Status: Centrally funded/state funded/Private (please specify): Centrally funded

- Name of the IQAC Co-ordinator/Director: Prof. Arun Sidram Kharat
- Phone no./Alternate phone no.: 011-2670 4034
- Mobile: -
- IQAC e-mail address: director_iqac@mail.jnu.ac.in
- Alternate Email address: - arunkharat2007@gmail.com

3. Website address:

Web-link of the AQAR: (Previous Academic Year): https://jnu.ac.in/iqac_reports

For ex. <http://www.chanakyauniv.edu.in/AQAR2015-16.doc>

4. Whether Academic Calendar prepared during the year? Yes/No: Yes

if yes, whether it is uploaded in the Institutional website: Yes

Weblink: <https://www.jnu.ac.in/content/academic-calendar>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.91	July 05, 2012	July 04, 2017
2 nd	A++	3.77	October 30, 2017	from: 30.10.2017 to: 29.10.2022
3 rd				from: to:
4 th				from: to:
5 th				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: 01st January, 2012

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item / Title of the quality initiative by IQAC	Date & duration	Number of participants / beneficiaries
1. During the period IQAC has screened 30 applications for promotion under CAS.	2018-2019	30 cases of CAS.
2. Collected data from school/centres and preparing the Annual Quality Assurance Report (AQAR) for the period from July 18 - June 19.	2018- 2019	AQAR will be submitted to NAAC on time.
3. Responded to a large number of queries / RTI queries pertinent to quality and / or recruitment / promotion raised by applicants of direct recruitment or promotion under CAS were addressed.	2018-2019	Responded to all the queries.

<p>4. North Region UGC CARE Journal Activities:</p> <p>(i) Towards the Quality Improvement Programme, to curb the over exceeding sub-standard, poor quality research publication from India the UGC identified JNU as a Nodal University and the IQAC Director is the Nodal Officer, the UGC CARE Committee Member. The Vice Chancellor of JNU is one of the EC Member of UGC CARE. From the inception, the JNU UGC CARE Unit prepared a website which functions as the sub-link under the JNU IQAC page as http://www.jnu.ac.in/iqac-ugcjournals. The basic protocol to be used for recommending the journal by the college / university / higher education institute located in the 08 designated states, viz-a-viz UP, Haryana, Himachal Pradesh, Uttarakhand, Delhi, Chandigarh, J&K and Punjab is made available on JNU CARE website.</p> <p>(ii) JNU IQAC has sent an email on Aug. 2019 along with the proforma to all the VCs/Registrars/IQAC departments of various central / state / private / deemed universities / institutions who come under UGC CARE Journal, North Zone and all the Schools/centres/special centres in JNU asking recommendations of journals for inclusion.</p> <p>(iii) More than 800 no. of requests were received both by electronic submission and hard copy submission.</p> <p>(iv) Around 645 no. of requests were processed by the JNU CARE Unit. Primary verified information about the requested journals was done by the JNU CARE Unit and the same was forwarded for further proceeding by the UGC CARE Unit located at Savitribai Phule Pune University (SPPU).</p> <p>(v) JNU IQAC has continued to upload the requests by verifying the information as protocol one i.e. basic criteria and have been uploaded at SPPU to confirm their eligibility / reject them / ratify them for UGC CARE List to be updated in Sep. 2019 and thereafter every 3 month.</p> <p>(vi) On Aug. 22, 2019 a one day National Workshop on “Academic Integrity Awareness” towards quality improvement specified by UGC and conducted by JNU Unit. This programme received more than 157 participants from various 8 different</p>	<p>2018-2019</p>	<p>More than 157 participants attended the conference.</p> <p>Continuing the CARE Journal task assigned by UGC.</p>
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<p>states. The programme was inaugurated with auspices of Vice Chairman, UGC Prof. Bhushan Patwardhan. The lectures were delivered by Vice Chairman UGC Prof. Bhushan Patwardhan, Vice Chancellor JNU Prof. M. Jagadesh Kumar, Joint Secretary UGC Dr. Archana Thakur then the resource person Prof. R.P. Singh, Rector, JNU, Dr. Praveen Chaddah, ex-Director, UGC-DAE, Consortium for Scientific Research, Dr. Shubhada Nagarkar, SPPU, Pune, Prof. M. Balakrishnan, IIT, Delhi, Prof. S. Srinivasa Rao, JNU and Prof. Arun S. Kharat have deliberated on related topics.</p>		
<p>5. Conducted Training Workshop on Online MOOC Teaching: E-content development and online teaching has been significantly encouraged by the UGC/MHRD. IQAC and Special Center for E-Learning (SCEL) conducted two days training workshop on “Fundamentals of MOOC for e-Content Development” on April 04th – 05th, 2019 to sensitize JNU teaching faculty on modality and know-how on how to use MOOC in routine teaching practice. Prof. K. Srinivas, Professor & Head ICT, NIEPA provided hands on training to 47 academic participants in JNU. Prof. K. Srinivas played a key role in sending the desirous teachers to build the content in ARPIT, SWAYAM and for e-learning, the Special Centre in JNU that intends to widespread quality teaching learning programmes across India.</p>	2018-2019	<p>47 academic participants in JNU.</p> <p>05 different teachers participated and trained for content development from Library, Linguistics and Centre of Indian Languages, JNU were trained for content development under MOOC.</p>
<p>6. JNU ranked No. 2 in University Category by NIRF 2019.</p>		

Note: Some Quality Assurance initiatives of the institution are:

(Indicative list)

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

8. Provide the list of Special Status conferred by Central/State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
JNU ranked #2 by NIRF 2019			2019	

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: --

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: --

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: Yes/No: --

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

Yes No

If yes, mention the amount: _____ Year: _____

12. Significant contributions made by IQAC during the current year (maximum five bullets)

Please see point 7.1 above

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
<p>1. Conducted Training Workshop on Online MOOC Teaching: E-content development and online teaching has been significantly encouraged by the UGC/MHRD. IQAC and Special Center for E-Learning (SCEL) conducted two days training workshop on “Fundamentals of MOOC for e-Content Development” on April 04th – 05th, 2019 to sensitize JNU teaching faculty on modality and know-how on how to use MOOC in routine teaching practice. Prof. K. Srinivas, Professor & Head ICT, NIEPA provided hands on</p>	<p>47 academic participants in JNU. 05 different teachers participated and trained for content development from Library, Linguistics and Centre of Indian Languages, JNU were trained for content development under MOOC.</p>

<p>training to 47 academic participants in JNU. Prof. K. Srinivas played a key role in sending the desirous teachers to build the content in ARPIT, SWAYAM and for e-learning, the Special Centre in JNU that intends to widespread quality teaching learning programmes across India.</p>	
<p>2. UGC CARE Journal Task: UGC towards improvement of quality research publications, established a Consortium for Academic and Research Ethics (CARE). UGC identified 04 universities from different regions; North, South, East and West. The Jawaharlal Nehru University (JNU) has been identified as a Nodal University for Northern Region for CARE Journal activity. Vice Chancellor upon receiving this letter from UGC, communicated to me to look after the activity as a Nodal Officer. The IQAC has constituted two Committees for smooth processing of CARE journal task as the Nodal University for the Northern India. IQAC planned to prepare the list of quality journals which are frequently used and also are useful for publish the quality research outcome for various centres / special centres / schools of the JNU.</p>	<p>To achieve this goal 70 teachers from Languages, Social Science, International Relations and various schools of Management Science and Engineering contributed.</p> <p>More than 157 participants attended the conference.</p> <p>Continuing the CARE Journal task assigned by UGC.</p> <p>JNU identified as a Nodal University and same has been pursued to develop the repository of the quality journals not only for JNU but for India.</p>
<p>3. JNUs Complete Automated Research Degree Evaluation Software: To streamline the thesis evaluation for both M. Phil and Ph.D. a Software name JNU Digital Tracking System (DTS) is developed in house. The JNU DTS is completely automatic one of a kind software which enables processing the uploading manuscript by the schedule work out in the programme in</p>	<p>DTS software is developed and is being used to submit the thesis from the Monsoon Semester i.e. December 2019.</p>

<p>various steps without manual intervention. This is expected to expedite the evaluation process and at the same time able to take an over view of all submitted thesis with reference to their stages of evaluation.</p>	
<p>4. Devised new online application form: Online application form for the post of Assistant Professor and Professor was developed. The software features on dash board that every desirous applicant unless completes the minimum essential qualification prescribed by the UGC will not be able to access the complete application form for the above post. This has reduced incomplete applications and applications which may have inaccurate information to be filled in the essential criteria. The online screening procedure is also integrated within this form as a separate task. Essentially a numerical summary of various fields those are to be used for calculation of academic / research score is combined herewith. The summary sheet at a glance helps the screening committee at centre / school to have an idea about the research / academic credential of the applicant and thereby assist committee to come to a consensus as to shortlist or reject the applicant.</p>	<p>Total 5550 applications received for 97 positions.</p>
<p>5. To expedite the promotion under CAS for teachers.</p>	<p>IQAC has screened 30 applications for promotion under CAS.</p>

14. Whether the AQAR was placed before statutory body? Yes /No: No

Name of the statutory body: _____ Date of meeting(s): _____

(It will be placed in the next meeting of Academic Council for approval).

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes/No: Yes

Date: 30th October, 2017

16. Whether institutional data submitted to AISHE: Yes/No:- Yes

Year: 2018-2019

Date of Submission: 28.02.2019

17. Does the Institution have Management Information System?

Yes

No

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

University has implemented the following modules as e-Governance/MIS initiatives in a phased manner to meet the digitization and management information system requirements of the University:

In-house Developed Softwares:

- Student Life cycle Management Software (Post Admissions, Semester Registration, Hostel Allocation, No Dues Clearance, Result Processing etc.) under JNU EduERP initiatives
- Digital Tracking and Management Software
- Health Centre Pharmacy Inventory Management Software
- Research Project Management Software
- UPE-II Online Projects Submission
- Helpdesk Management Software – Implemented for CIS and Engineering Branch
- Online Feedback Software – Implemented for Security Section
- Implemented Online Recruitment software for Teaching and Non-Teaching Posts
- Health Centre OPD Software
- House Allotment System
- Asset Management System

Implementation of Software Procured/arranged from NIC:

- Implemented complete e-office Suite (eFile, eLeave, KMS, EServiceBook and eTour) in the University
- Implemented Salary Management Software – COM DDO Software
- Implemented Online Consumable Request Management – OCRMS Software
- Implemented eProcurement System
- Implemented RTI-MIS System

Part-B

CRITERION I – CURRICULAR ASPECTS				
1.1 Curriculum Design and Development				
1.1.1 Programmes for which syllabus revision was carried out during the Academic year				
School/Centre	Name of programme	Programme Code	Dates of revision	
CSM&CH, SSS	MPH	MPH	01.07.2018 & 01.12.2018	
	M.Phil., Ph.D	CSMP	01.07.2018 & 01.12.2018	
SCIS	M. Sc. 1 st Semester	IT401, IT402, IT403N, IT404N, IT405N, IT601, IT763		
SBT	M.Sc. Biotechnology	JB	Being continually revised every year	
CIS&LS/SSS	Ph.D.	ISLM	-	
	MS	DLSM	-	
ABVSME	Diploma, MBA, Ph.D.	-	04.09.2019	
CSPILAS, SLL&CS	The four streams of academic disciplines continued to be strengthened in the ambit of their disciplines as far as possible during the period in question.			
CCUSLAS, SIS	United State Studies, Canadian Studies, Latin American Studies	USSP, CANP, LAMP	Syllabus revision is carried out regularly.	
CRS, SLL&CS	MA	RSNM	Academic Year 2018-19	
1.1.2 Programmes / courses focussed on employability / entrepreneurship / skill development during the Academic year				
School/Centre	Programme with Code	Date of Introduction	Course with Code	Date of Introduction
SCSNEI	M. Phil/Ph.D. in North East India (Programme Code: NESP)	2016	NESP	2016
SCIS	Revised M.Sc. in Computational & Integrative Sciences Courses		IT401, IT402, IT403N, IT404N, IT601N, IT411, IT415, IT465, IT451, IT453, IT772, IT768, IT452	
CIS&LS-SSS	MS	2015	DLSM, ISLM	Monsoon 2015
	Ph.D.	2012		Monsoon 2012
ABVSME	MBA	01.07.2019	-	-

1.2 Academic Flexibility					
1.2.1 New programmes/courses introduced during the Academic year					
School/Centre	Programme/Course			Date of introduction	
CJS, SLL&CS	JP209: Advanced Japanese – Speaking and Writing-I			Winter Semester 2019	
	JP210: Advanced Japanese – Speaking and Writing-II				
	JP527: Nihonjijo-1				
	JP528: Nihonjijo-2				
	JP115: Kanji-1			2020-2021	
	JP211: Kanji-2				
	JP212: Kanji-3				
	JP309: Kanji-4				
JP310: Kanji-5					
SSIS	B.sc, M.Sc integrated Programme in Ayurvedic Biology M.A. PG Diploma Programme				
ABVSME	Ph.D.			2019	
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.					
Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
Already adopted (mention the year): SCSNEI - JNU follows flexible credit choice system through its optional courses system for various academic programmes.					
CAS, SIS – (i) Diaspora International Relations (ii) Economy, Politics and Foreign Policies of Africa (iii) International Conflict and Cooperation (iv) Africa in World Politics (v) Government and Politics of Sub-Saharan Africa					
CAS, SIS – Diaspora International Relations (Core) Credit (4) (Ajay Dubey) Economy, Politics and Foreign Policies of Africa (Optional) Credit (4) (Dr. J.M. Moosa) International Conflict and Cooperation (Core) Credit (4) (Dr. J.M. Moosa) MA PIS Course: Africa in World Politics Credit (4) (Ajay Dubey)					
CCUSLAS, SIS – M.Phil / Ph.D.: Since the programme began i 1972.					
1.3 Curriculum Enrichment					
1.3.1 Value-added courses imparting transferable and life skills offered during the year					
School/Centre	Value added courses	Date of introduction	Number of students enrolled		
CSM&CH, SSS	Journal Club Field Work	Since the beginning of semester	nil		

1.3.2 Field Projects / Internships under taken during the year		
School /Centre	Project/Programme Title	No. of students enrolled for Field Projects / Internships
CSM& CH, SSS	<ol style="list-style-type: none"> 1. Short field work of 6 days duration at different areas of Ballabhgarh, Haryana and different zones of Delhi. 2. Long field work of 10 days at Medak District of Telangana Internship for Students from SME, Kerala 	All the students of M.Phil, MPH and Direct Ph.D. MPH Students
SBT	<ol style="list-style-type: none"> 1. Dhar P.K., "Marine Synthetic Biology: Building National Capacity and Human Resource", Rs.1,67,36,08, with Prof IS Bright Singh, CUSAT, Cochin Prof. Joseph Selvin, Pondicherry University, Pondicherry 3 years Dec. 2017 to Dec. 2020. 2. Dhar P.K. UGC –UKIERI" The molecular Mechanism of angiogenesis and neurogenesis in multicellular 3 D culture of tumour cells using PHA based in vitro 3 D models. Rs. 2174700/- 3 years, July, 2017 to August, 2020. 3. Dhar P.K. Designing next generation platforms for recombinant protein production by genome engineering of Ecoli", 3 Years for June 2017 to 2020, DBT Project 4. Bhatnagar R., Study of in-depth genetic heterogeneity with respect to resistome and compensatory adaption of MDR Mtb clinical strains inside BM-Mesenchymal stem cells circulating in the North-East Region by DBT; 2019-2022 5. Bhatnagar R., Upgradation of BSL-3, for studying dangerous pathogens with special references to Bacillus anthracis as well as to provide BSL-3 Facility to NER institutions and training of researchers of this region; by DBT, 2017-2020 6. Deepak Gaur, Develop a receptor blocking malaria vaccine against Plasmodium falciparumbased on a novel combination of three blood stage antigens; by DBT, GOI, 2017-2020 7. Deepak Gaur, Structure-Function analysis of a major adhesion complex (PfRH5/Ripr/CyRPA) essential for P. falciparum erythrocyte invasion; by DST-SERB, GOI, 2018-2021 8. Deepak Gaur, Upgradation of BSL-3, for studying dangerous pathogens with special references to Bacillus anthracis as well as to provide BSL-3 Facility to NER institutions and training of Researchers of this Region; by DBT, GOI, 2017-2020 9. S.S. Maitra, Design, optimization and intensification of a Bioprocess for converting North East natural Gas into Liquid Fuels, DBT Twinning Project, 58 lakhs, 2018 - 2021 10. B. S. Balaji, MOOC in Organic Chemistry, 1, by UGC, 2018-19. 11. B. S. Balaji, MOOC (EMRC JamiaMiliaIslamia), by CEC, 2018-19 12. Rajesh Mishra: Stability and folding mechanism of alpha amylase. Funding agency: UGC-MRP , (2015-2018) 13. Tiwari S. "Studies on the folding and stability of an alternatively spliced form of APC/C co-activator Fzr1" Department of Science and Technology, 2016-2019 14. Tiwari S. "Investigations on differential expression of ubiquitin proteasome pathway genes during stage conversion in Entamoebaspecies" ICMR,2017-20 15. Arya, R, B, Jayaram and Prof. HK Das, A fresh look at sigma 70 promoter of Escherichia coli, DBT; BT/PR16398/BRB/10/1489/2016 dated 9-3-2017, Sanction Order 21-3-2018. Amt: Rs.66,62,944/- (Rs. 5022544/-, JNU Share) 	

	<ol style="list-style-type: none"> 16. Arya R.: Functional analysis of UDP-N-acetylGlucosamine 2-epimerase/N-acetyl Mannosamine kinase (GNE) in cytoskeletal organization" SERB, DST, File No. EMR/2015/001798 dated: 27-4-2016 17. Arya, R. Functional analysis of recombinant GNE-Key sialic acid biosynthetic enzyme. DST-PURSE II (2015-2019) 18. Arya, R. Effect of manipulating Sialic acid levels on cell adhesion process, BRNS, DAE, No. 37(1)/14/31/ 2018-BRNS/37237 dated 24-9-2018 amount RS. 21,26,250/-. 19. Arya R, Mohanty,D and Vishwakarma R. Genotype-phenotype relationship in rare genetic disorders: Physicochemical analysis of mutations in GNE myopathy and phenotypic modulation by small molecule effectors, DBT BT/PR22409/MED/12/746/2016-dated 1-6-2018. Amt. RS. 7790978/- (Rs 4110978/- JNU Share) 20. SM Rajala, Role of influenza A virus structural proteins; Nucleoprotein and Matrix protein in the regulation of host cell glycolysis (ICMR Ref No. 2019-1286) 21. SM Rajala, A study on host cellular nucleolin and virus nucleoprotein interplay in influenza A virus infection (DBTBT/PR28269/MED/29/1289/2018) 22. A. Grover, New promising approaches for synergistic blocking of anthrax toxins at Protective Antigen interacting domains of the Lethal Factor and the Edema Factor 2014 – 19 funded by DHR. 23. A. Grover, Drug repurposing hyperlayer: Scalable multiparadigm omics enabled drug repositioning workbench 2016-19 funded by DBT. 24. Manoj K. Sharma, Whole genome transcriptomic analysis to identify key genes regulating sugar accumulation in sweet sorghum, Science & Engineering Research Board, Ongoing, 2016-2019. 25. Manoj K. Sharma, Engineering drought tolerance for increased sugar accumulation in potential biofuel crop, sweet sorghum, (DBT funded as Ramalingaswami fellow) completed, 2014-2019. 26. R. Tandon, "To study the Role of H. pylori Driven Inflammatory Responses in the Setting of HIV Infection"; DBT(Rs. 35 lakhs) (2018-2021) 27. R. Tandon, "GMR sensor coupled low cost portable point-of care micro fluidic device for early detection of emerging viral diseases" DST(Rs. 25 lakhs) 2019 28. R. Tandon, Study of gut microbiota and their potential role in inflammation during suppressive antiretroviral therapy in perinatally HIV-infected children; DST-SERB (Rs 44lakhs) (2016-2019; ongoing) 29. J. Bhattacharya, Microfluidics embedded nanostructured MEA- A tool to study prognostic multi-biomarker signatures in prostate cancer SERB- ECR12015/000498 42 lakhs 30. J. Bhattacharya, Development of novel lipid and polymer based nano formulations for targeted delivery of antimalarial drugs DBT- BT/PR21569/NNT/28/1234/2017 dated 30.06.2017 104 lakhs 31. J. Bhattacharya, Development of Single-cell derived clonal spheroids as a tool for drug discovery in cancer research DST-VI-D&P/546/2016-17/TDT (C) 594 lakhs 32. J. Bhattacharya, Development and in vitro testing of electronic sensor platform for the specific detection of multiple biological 	
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	pathogens by coupling microfluidics with on-chip PCR LSRB DRDO: 46 lakhs 33. J. Bhattacharya, Bioengineered mesoporous dialysis Nano-Beads for the specific removal of excess Body Toxins, water and ions from Kidney failure patients, BIG/ BIRAC 49.5 lakhs.				
SPS	Summer Project (01 June – 15 July 2019)	18			
CSPILAS, SSS	Attended 02 events of to Brazilian Culture: 2 nd Second Lusophone film festival: Cinema for the Portuguese-speaking world. On 15 April 2019. Enchanted word [orig. Palavra (En)Cantada] / Brazil / Dir. Helena Solberg / Documentary & Music / 2009 / 84 min / English Subtitles. VENUE: C.D. Deshmukh Auditorium, India International Centre. The 17th Ishara International Puppet Theatre Festival. Brazil Day: Oroboro. 1st February 2019. Venue: Amphitheatre, India Habitat Centre (IHC), Lodhi Road.	02			
CCUSLAS, SIS	Exchange Student: University of Zurich (UZH), Switzerland (Feb.2019-July 2019)	01			
CRS, SLL&CS	Language skills and specialize in Russian contemporary	01			
1.4 Feedback System					
1.4.1 Whether structured feedback received from all the stakeholders.					
School/Centre	1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
CSM&CH, SSS	Yes	Yes	-	Yes	-
SBT	Yes	Yes	-	-	-
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)					
<p>SCSNEI – Feedback on the teaching learning process is through the contact hours for research scholars and for students who opt for the various optional courses. The feedback and discussions help in pedagogy.</p> <p>CSM&CH, SSS – Based on interaction we modify the pedagogy and transaction of reading materials.</p> <p>SBT – Feedback was utilised to modify the contents of the course, changes in delivery mode, and changes in sharing of contents with overall aim of improving the learning outcome of the students.</p> <p>CESP, SSS – Feedback obtained is discussed in the Faculty Meeting. Susequently the faculty members take note of the feedback and suggestions are incorporated and utilised for overall development of the centre.</p> <p>CSPILAS, SLL&CS - Inputs from internal discussions and interaction with outside agencies/individuals have become part of the Centre’s vibrant academic performance, especially in the light of the application of the new compounds of the syllabus restricted in the recent past.</p> <p>CRS, SLL&CS – The new MA syllabus implemented by the centre focuses on the development of the centre since it deals with the courses relevant today in the Academic structure of Russia and India. Thge students are now getting an opportunity to participate in programmes / competitions realted to literary studies which has facilitated the exchange between MSU, MSRU, Tomsl University and others with which agreements have been signed.</p>					

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

School/Centre	Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
Admission Branch, JNU	Ph.D. Programme	444	23805	345
	M.Phil., M.Tech., M.P.H., MBA Programme	544	23712	487
	M.Phil., Ph.D. under JRF Programme	201	1980	121
	M.A./M.Sc./MCA Programme	1372	124302	1377
	B.A. (Hons.) 1 st Year Programme	431	40448	441

2.2 Catering to Student Diversity

2.2.1 Student - Full time teacher ratio (current year data)

Year	School/Centre	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	Admission Branch, JNU	1264	2877			
	SCSNEI		05		05	05
	SCIS		32		11	
	SBT	-	11+31	19+19	19+19	19+19
	SCNS	-	17	-	05	05
	SPS	-	33	-	26	26
	CESP, SSS	-	132+133	-	20	-
	CCSEAS, SLL&CS	119	60	02	01	06
	CL, SLL&CS	-	55	-	08	08
	CIS&LS, SSS	-	80	-	07	07
	CJS, SLL&CS	98	44	07	07	07
	CES, SIS	-	-	-	-	07
	ABVSME	-	41	-	07	07
	CCUSLAS, SIS	-	45	-	05	-
	CRS, SLL&CS	138	47	02	04	05
	CILS, SIS	-	20	-	03	03

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

School/Centre	Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
CIS, JNU	570	33	Moodle, Video-Conferencing, Smart Board Classroom	06	06	Open Source Technologies with customization
SCSNEI		05	Power point facility, internet connection, audio-video facility			
CSM&CH, SSS		09	yes			yes
SBT		19	Projectors, CIF	02, 01	02	
CESP, SSS		20	yes	03		yes
CAS, SIS		03	-	-		-
CIS&LS, SSS		07	yes	02	02	yes
CJS, SLL&CS		02	yes		01	
CAS, SIS		03	Yes			
CES, SIS		07	yes	01	-	yes
ABVSME		-	yes	01	01	
CCUSLA S, SIS		05	PPTs, use of documentaries and films	01	-	Use of web based libraries and data sets
CILS, SIS		03	PPTs	-	-	Use of web based libraries

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

ABVSME - The scheme is adapted for the value additions to the students like:

- Bridging the gap between the teachers and students.
- Creation of a better environment in school, where students can approach teachers for both educational and personal guidance.
- Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication.
- Motivation for higher studies and entrepreneurship.
- Advice and support for improvement in academic performance.

In case of student mentoring at the ABVSME it is an ongoing process which divides the number of registered students equally among all the faculties who then guide/mentor students academically in their area of preference. Students are allowed to approach the mentor for both academic & personal problems.

It is also important for the mentor to understand the academic inclination of the students towards any specific area and then accordingly a mentee-mentor plan is devised in order to enhance the interest of student in the relevant area. A general mentor: mentee ratio as of the present 2019-21 batch is 1:5.

CCUSLAS, SIS – Remedial courses are offered by the centre to improve the learning of students. Tutoring and mentoring are done on an individual basis by supervisors and faculty of the centre of academic purposes. Quality improvement strategy for teaching includes use of computer based teaching e.g. PPTs and use of documentaries and films in addition to regular lectures / seminars / conferences. Students are asked to present papers for the course and also in seminars, to build and further enhance their capacity. Some of our Ph.D. students have been selected as teaching assistance for mentoring and taking classes for designated core courses and the MA Level.

School/Centre	Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
	8805	570	15.44
SCSNEI	21	05	4:2
CSM&CH, SSS	09	09	1:2 new 1:8 old
SCNS	19	05	2:4
SPS	152	26	5:8
CESP, SSS	265	20	-
CCSEAS, SLL&CS	192	11+1	-
CL, SLL&CS	128	08	1:16
CIS&LS, SSS	105	14	25:7
CES, SIS	62	07	1:9
SSIS	185	11	-
ABVSME	41	07	1:5
CCUS&LAS, SIS	45	05	5:9
CRS, SLL&CS	233	13	17:1

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

School/Centre	No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
	926	27	74	27	263
SCSNEI	08	05	03	nil	05
CSM&CH, SSS	11	09	03	nil	07
SBT	26	19	07	-	19
SCNS	10	04	06	-	04
CESP, SSS	29	20	09	-	20
CCSEAS, SLL&CS	-	-	-	-	08
CAS, SIS	-	03	-	-	03
CL, SLL&CS	02	-	02	-	-
CIS&LS, SSS	08	07	01	-	07
CJS, SLL&CS	-	07	06	01	04
CAS, SIS	-	03			
CES, SIS	09	07	02	-	07
ABVSME	12	04	09	03	04
CCUS&LAS,	15	05	10	-	05

SIS					
CRS, SLL&CS	19	13	06	-	11

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year):

School/centre	Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
CSM&CH, SSS	2018	Dr. Ramila Bisht	Professor Assoc.	3 rd Uttarakhand Women Summit & Award
		Dr. N. Guite	Professor	Shastri Mobility Programme of SICI
SCIS		Mukesh Jain	Professor	Tata Innovation Fellowship, Department of Biotechnology
		Rita Sharma	Assistant Professor	Overseas fellowship to work as GET in Fellow at UC Berkley and LBNL, DBT & IUSSTF
		Sapna Ratan Shah	Associate Professor	Best Academic Administrator of the year 2018 award, by Association of Scientists, Developers and Faculties-International, London
SBT		<ol style="list-style-type: none"> 1. Bhatnagar R. appointed as VC for Banaras Hindu University (BHU) on 28.3.2018 2. Bhatnagar R, J.C. Bose National Fellow by Department of Science and Technology 2016 – 2021 3. Bharadwaj D., Prof. G. K. Manna Memorial Award, The Indian Science Congress 2018-2019 4. Gaur D., Elected Fellow (INSA) at the Annual Meeting at the Physical Research Laboratory, December 2018. 5. Gaur D., Appointed as Director (Admissions), Jawaharlal Nehru University 6. Kateriya S, Appointed as Dy. Director (R&D), Jawaharlal Nehru University 7. Sharma M.K., Visiting Scientist, University of California Berkeley, USA May 2018 to Feb 2019. 		
SPS		Brijesh Kumar (International award)	Professor	Regular Associate of the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy for the period January 2017 to December 2022
		Shankar Prasad Das (National award)	Professor	J C Bose Fellowship, funded by Department of Science and Technology, India, 2017-2022.
		Sanjay Puri (National award)	Professor	J C Bose Fellowship, funded by Department of Science and Technology, India, 2017-2022
		Ram Ramaswamy (National award)	Professor	J C Bose Fellowship, funded by Department of Science and Technology, India, 2009-2021.
CCSEA S, SLL&CS		Prof. P. Mukherji	Professor	Conferred upon the position of an Expert by the Phoenix Publishing and Media Group for the Phoenix International Experts Panel. Nanjing, China. Conferred upon the Plaque and

				Certificate of the appellation "Friend of Chinese Literature" at the 5 th International Sinologist Conference on Literary Translation. Chinese Writers Association held at Guiyang, China.
		Prof. B.R. Deepak	Professor	Light of Civilization 2018 China Culture Exchange Person of the Year Award.
		Dr. Rakesh Kumar	Asstt. Professor	Selected for Visiting Programme for Young Sinologist 2018 held at Beijing, China and had honor to represent my delegation of Beijing Young Sinologist during the meeting with Minister of Culture Mr. Huang Kunming at National Museum.
CIS&LS, SSS		Prof. Archana Prasad	Professor	Short term visitor lecturer ICDD, University of Kassel, Germany
CHS, SSS		Prof. Pius Malekandathil	Professor	Membership in the Academia de Marinha of Lisbon, Portugal in recognition of the contribution being made to Maritime History. Advisor of Cosmopolis Project, Dept. Of History, Leiden University, The Netherlands in recognition of the contribution being made to the study of Maritime History. Editorial Member of Fluxos e Riscos, Journal of Lusofona Universidade, Lisbon, Portugal.
CES, SIS		Prof. Gulshan Sachdeva	Professor	Awarded Jean Monnet Centre of Excellence for European Union Studies in India by the European Commission, (Sep.18-Aug.21)
		Dr. Sheetal Sharma	Assistant Professor	Awarded JNU Research Excellence Award in the Young Scholars Category for the Year 2018-2019. Awarded Financial Grant on Network titled as REACTIK under the Framework of Erasmus+Program-Jean Monnet Network-2018 for Intercultural Studies 2018-2021.
CRS, SLL&CS		Dr. Sonu Saini,	Asstt. Prof.	Awarded as Laureate of International Declamation Competition "Zoshenko Vslukh" in nomination of Mono-declamation by St. Petersburg Museum of Writers XX century, St. Petersburg, Russia. Awarded Fellowship by Ministry of Science of Education, Govt. of Russian Federation for 10 months Professional development Teachers Refresher course and training programme on innovative methodology at Pushkin Institute, Sep. 2018.

		Prof. Meeta Narain	Prof.	National Award-Modernites Excellence Award for Promotion of Russian Language & Literature Studies in India. International Award The Pushkin Award by MAPRYAL, International Association of Teachers of Russian Language, Russia for significant contribution in the field of Russian Philology.

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year-end examination till the declaration of results during the year

School/ centre	Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
CSM&CH , SSS	M.Phil.	CSMP	Semester	2 nd Week of May	2 nd Week of June
	MPH	MPH	Semester	2 nd Week of May	2 nd Week of June
SCIS	M.Sc.	-	Monsoon Semester 1 st and 3 rd Semester		14.12.18
	Ph.D.	-	Monsoon Semester 1 st Semester		14.12.18
	M.Sc.	-	Winter Semester 2 nd and 4 th Semester		27.05.19
	PG Diploma	-	Winter Semester 2 nd Semester		27.05.19
SBT	M.Sc.	JB	4 th Semester	25.05.2019	15.06.19
	Ph.D.	PB	10 th Semester		
SCNS	Ph.D.	NNSH	Monsoon Winter	06.12.2018 12.06.2019	Dec. 2018 June 2019
	M. Tech.	NNET & NNST	Monsoon Winter	06.12.2018 12.06.2019	Dec. 2018 June 2019
SPS	M.Sc. Physics		Monsoon-2018	22/11/2018; 5/12/2018	11/12/2018
			Winter-2019	10/5/2019; 20/5/2019	27/05/2019
	M.Sc. Chemistry		Monsoon-2018	22/11/2018; 05/12/2018	11/12/2018
			Winter-2019	10/5/2019; 20/5/2019	27/05/2019
	Pre-Ph.D. Physics		Monsoon-2018	22/11/2018; 5/12/2018	11/12/2018
			Winter-2019	10/5/2019; 20/5/2019	27/05/2019
Pre-Ph.D.		Monsoon-2018	22/11/2018;	11/12/2018	

	Chemistry			5/12/2018	
			Winter-2019	10/5/2019; 20/5/2019	27/05/2019
CESP, SSS	M.A.		4 th Semester	May 2019	July 2019
	M.Phil.		2 nd Semester	May 2019	July 2019
CCSEAS, SLL&CS	BA & MA		Winter	May 2019	July 2019
CL, SLL&CS	MA	LINM	Winter 2019	May 2019	-
CIS&LS, SSS	MA	DLSM	Monsoon and Winter		
	Ph.D.	ISLM	Monsoon and Winter		
CJS, SLL&CS	BA	MS 2018		20.11.2018	11.12.2018
	MA & M.Phil.			23.11.2018	11.12.2018
	BA	WS 2019		11.05.2019	27.05.2019
	MA & M.Phil.			11.05.2019	27.05.2019
SCSNEI	Introduction to History of North East India, 1826- 1947 (BA Optional Course: 3 Credits)	NE-205	Mansoon 2018	December 3, 2018	14.12.18
	Introduction to Literatures of North East India (BA Optional Course:3 Credits)	NE-206	Mansoon 2018	December 05, 2018	14.12.18
	Sociology of North East India (BA Optional Course: 3 Credits)	NE-202	Mansoon 2018	December 4, 2018	14.12.18
	Politics of Development in North East In India (MA Optional Course:4 Credits)	NE-425	Mansoon 2018	November 26, 2018	14.12.18
	Understandin g North East India (M.Phil .Core Course:4 Credits)	NE-601	Mansoon 2018	December 5, 2018	14.12.18
	Religion and Society in North East India (M.Phil.	NE-651	Mansoon 2018	November 30, 2018	14.12.18

Optional Course: 4 Credits)					
Economic Development in North East India (M.Phil. Optional Course: 4 Credits)	NE-653	Monsoon 2018	December 10, 2018	14.12.18	
History of Frontiers and Borderlands in North East India (M.Phil. Optional Course: 4 Credits)	NE- 654	Monsoon 2018	December 05, 2018	14.12.18	
Culture Histories of North East India (M.Phil. Optional Course: 4 Credits)	NE-657	Monsoon 2018	December 2018	14.12.18	
Research Methodology (M.phil. Core Course: 4 Credits)	NE-602	Winter 2019	May 10, 2019	May 25, 2019	
Government and Politics in North East India (M.Phil. Optional Course:4 Credits)	NE-652	Winter 2019	May 17, 2019	May 25, 2019	
Tribes and Ethnicity in North East India (M.Phil. Optional Course:4 Credits)	NE- 656	Winter 2019	May 14, 2019	May 25, 2019	
Politics of Development in North East India (MA Optional Course: 4 Credits)	NE-425	Winter 2019	May 16, 2019	May 25, 2019	
Interpreting Culture History of North East India (MA	NE-421	Winter 2019	May 14, 2019	May 25, 2019	

	Optional Course: 4 Credits)				
	Frontier Making in North East India (MA Optional Course: 4 Credits)	NE-423	Winter 2019	May 10, 2019	May 25, 2019
	Introduction to History of North East India, 1826-1947 9BA Optional Course: 3 Credits)	NE-205	Winter 2019	May 11, 2019	May 25, 2019
	Introduction to Literatures of North East India (BA Optional Course: 3 Credits)	NE-206	Winter 2019	May 10, 2019	May 25, 2019
CES, SIS	Research Methodology	ES601S	Monsoon Semester	05.12.2018	06.02.2018
	European Economic Integration	ES602S	Monsoon Semester	05.12.2018	06.02.2018
	Identity Issues in Europe	ES606S	Monsoon Semester	05.12.2018	06.02.2018
	The European Union in World Politics	ES603S	Monsoon Semester	05.12.2018	06.02.2018
	Europe and the Mediterranean Region	ES612S	Monsoon Semester	05.12.2018	06.02.2018
	French Language Beginner's Level	ES610S	Monsoon Semester	05.12.2018	06.02.2018
	German Language	ES607S	Monsoon Semester	05.12.2018	06.02.2018
	Energy Security in Europe	EG603	Winter Semester	17.05.2019	28.08.2019
	Social Structure & Dynamics in Europe	ES608S	Winter Semester	17.05.2019	28.08.2019
	Issues in European	ES605S	Winter Semester	17.05.2019	28.08.2019

	Security				
	Politics & Society in Central & Eastern Region	ES604S	Winter Semester	17.05.2019	28.08.2019
	Contemporary Issues in the Nordics Region	ES611S	Winter Semester	17.05.2019	28.08.2019
	Foreign and Security Policy of the Baltics States	ES613S	Winter Semester	17.05.2019	28.08.2019
	French Language Beginner's Level	ES610S	Winter Semester	17.05.2019	28.08.2019
	German Language	ES607S	Winter Semester	17.05.2019	28.08.2019
CCUS&L AS, SIS	M.Phil (USSP)	AW628	Monsoon 2018	01.12.18 to 10.12.18	18.12.18
	M.Phil (USSP)	AW653	Monsoon 2018	01.12.18 to 10.12.18	19.12.18
	MA (PIS)	IS-513N	Monsoon 2018	01.12.18 to 10.12.18	12.12.18
	MA (PIS)	IS-598N	Monsoon 2018	01.12.18 to 10.12.18	13.12.18
	MA (IRAS)	IA-507	Monsoon 2018	01.12.18 to 10.12.18	14.12.18
	M.Phil (USSP)	AW652	Winter 2019	13.05.19 to 22.05.19	25.05.19
	M.Phil (USSP)	AW623	Winter 2019	13.05.19 to 22.05.19	28.05.19
	M.Phil (USSP)	AW654	Winter 2019	13.05.19 to 22.05.19	28.05.19
	MA (PIS)	IS574N	Winter 2019	13.05.19 to 22.05.19	27.05.19

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

***Do not include re-evaluation/ re-totalling**

School/centre	Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
SCSNEI	-	191	100%
SBT	-	11+31	-
CES, SIS	-	11	100%
		=244	

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

ABVSME - <https://jnu.ac.in/abvsme>
CRS, SLL&CS – <https://www.jnu.ac.in/sllcs/crs>

2.6.2 Pass percentage of students

School /Centre	Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percent age
CSMCH, SSS	CSMP	M.Phil.	08	08	100%
	MPH	MPH	04	04	100%
SCIS	-	M.Sc (4 th Sem.)	15	15	100%
	-	PG Dip.	09	09	100%
SBT	JB	M.Sc.	11+31	11+31	100%
SCNS	NNSH	Ph.D	02	02	100%
	NNET & NNST	M.Tech	17	15	88%
SPS	-	M.Sc. Physics	44	44	100%
	-	M.Sc. Chemistry	04	04	100%
	-	Pre-Ph.D. Physics	08	08	100%
	-	Pre-Ph.D. Chemistry	03	03	100%
CESP, SSS	-	MA	101	101	100%
CCSEAS, SLL&CS	-	BA	36	29	-
	-	MA	17	17	-
CAS, SIS	-	M. Phil.	04	-	100%
	-	Ph.D.	34	-	100%
CL, SLL&CS	LINM	MA	27	25	98%
CIS&LS, SSS	DLSM	MA	47	46	98%
	ISLM	Ph.D.	02	02	100%
CJS, SLL&CS		BA	31	26	95%
		BA	25	23	99%
		BA	24	21	97%
		MA	17	16	99%
		MA	14	14	100%
SCSNEI	NE- 205 (BA Optional Course: 3 Credits)	Introduction to History of North East India, 1826-1947 (Mansson Semester, 2018)	21	21	100%
	NE- 206 (BA Optional Course: 3 Credits)	Introduction to Literatures of North East India (Mansoon Semester, 2018)	08	08	100%
	NE-202 (BA Optional Course:3	Sociology of North East India (Mansoon	29	29	100%

	Credits0	Semester, 2018)			
	NE- 425 (MA Optional Course: 4 Cred its)	Politics of Development in North East India (Mansoon Semester, 2018)	19	19	100%
	NE-601 (M.Phil. Core Course: 4 Credits)	Understanding North East India (Mansoon Semester, 20180)	05	05	100%
	NE-651 (M.Phil. Optional Course:4 Credits)	Religion and Society in North East India (Mansoon Semester, 2018)	01	01	100%
	NE- 657 (M.Phil Optional Course: 4 Credits)	Economic Development in North East India (Mansoon Semester, 20180)	01	01	100%
	NE- 654 (M.Phil Optional Course: 4 Credits)	History of Frontiers and Borderlands In North East India (Mansoon Semester, 2018)	01	01	100%
	NE- 657 (M.Phil Optional Course: 4 Credits)	Cultural Histories of North East India (Mansoon Semester, 2018)	02	02	100%
	NE-602 (M.Phil Core Course: 4 Credits)	Research Methodology (Winter Semester, 2018)	05	05	100%
	NE- 652 (M.Phil Optional Course: 4 Credits)	Government and Politics in North Easr India (winter Semester, 20190)	03	03	100%
	NE- 656 (M.A. Optional Course: 4 Credits)	Tribes and Ethnicity in North East India 9Winter Semester, 2019)	01	01	100%
	NE- 425 (M.A. Optional Course: 4 Credits0	Politics of Development in North East India (winter Semester, 2019)	11	11	100%
	NE-421 (M.A. Optional Course: 4 Credits)	Interpreting Culture History of North East India (Winter Semester, 2019)	04	04	100%
	NE-423 (M.A Optional	Frontier Making in North East India	02	02	100%

	Course:3 Credits)	9Winter Semester, 2019)			
	NE-205 (B.A Optional Course:3 Credits)	Introduction to History of North East India, 1826- 1947 (Winter Semester, 2019)	60	60	100%
	NE-206 (B.A. Optional Course:3 Credits)	Introduction to Literatures of North East India (Winter Semester, 2019)	16	16	100%
CAS, SIS		M.Phil	05	-	100%
		Ph.D.	34	-	100%
CES, SIS	ES601S	Research Methodology	11	11	100%
	ES602S	European Economic Integration	06	06	100%
	ES603S	The European Union in World Politics	08	08	100%
	ES604S	Politics & Society in Central & Eastern Europe	04	04	100%
	ES605S	Issues in European Security	08	08	100%
	ES606S	Identity Issues in Europe	08	08	100%
	ES607S	German Language	07	07	100%
	ES608S	Social Structure & Dynamics in Europe	05	05	100%
	ES610S	French Language	04	04	100%
	ES611S	Contemporary Issues in the Nordic Region	01	01	100%
	ES612S	Europe and the Mediterranean Region	04	04	100%
	ES613S	Foreign and Security Policy of the Baltic States	03	03	100%
ES603	Energy Security in Europe	08	08	100%	
CCUS&L AS, SIS	AW628	M.Phil (USSP)	01	01	100%
	AW653	M.Phil (USSP)	01	01	100%
	IS-513N	MA (PIS)	18	18	100%
	IS-598N	MA (PIS)	29	28	96.55%
	IA-507	MA (IRAS)	17	17	100%
	AW-652	N.Phil. (USSP)	01	01	100%
	AW-623	M.Phil (USSP, CANP & LAMP)	01	01	100%

	AW-654	M.Phil. (USSP)	01	01	100%
	IS-574N	MA (PIS)	14	14	100%
CRS, SLL&CS		BA	48	45	93.75%
		MA	20	20	100%
CILS, SIS		MA PIS	114	106	92.98%
		MA IRAS	100	100	100%

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

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CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION				
3.1 Promotion of Research and Facilities				
3.1.1 Teachers awarded National/International fellowship for advanced studies/ research during the year				
School /Centre	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National				
CSMCH, SSS	Dr. N. Guite	Shastri Mobility Programme	2018-19	Shastri Indo Canadian Institute
	Prof. Romila Bisht	3 rd Uttarakhand Women Summit & Award	2018-19	Uttarakhand
SCSNEI	Usham Rojio	01.01.2019-31.12.2020		ICSSR
SCIS	Mukesh Jain	Tata Innovation Fellowship	2018-19	Department of Biotechnology, Government of India
SBT	<ol style="list-style-type: none"> 1. Prof. R. Bhatnagar, J.C. Bose National Fellow by Department of Science and Technology. 2. Prof. Deepak Gaur, FNA: Fellow of the Indian National Science Academy 3. Prof. Deepak Gaur, National Bioscience Award Grantee (Continuing from 2016) 4. Dr. M. K. Sharma, Ramalingaswami Re-entry Fellowship (Continuing from March 2014) 			
CJS, SLL&CS	Prof. P.A. George	Japan Foundation Grant under its project for Study and Training in Japan and visited Four Universities (Iwate University, Kwansai Gakuin University, Daito Bunk University and Osaka University) of Japan	16-26 Sep. 2018	
CES, SIS	Prof. Ummu Salma bava	UGC-DAAD Indo-German Partnership	2016-2020	UGC
CRS, SLL&CS	Dr. Sonu Saini	Awarded Fellowship – Russian Federation 10 month's Professional Development course for teachers	Sep.2018	Ministry of Education, Pushkin Institute, Russia
International				
SCIS	Rita Sharma	Overseas fellowship to work as GET in Fellow at UC Berkley and LBNL	2018	DBT and Indo-US Science & Technology Forum (IUSSTF)
CES, SIS	Prof. Ummu Salma bava	Jean Moonet Chair	Sep.17-20	European Commission
	Prof. Gulshan Sachdeva	Jean Monnet Centre of Excellence for European Union Studies in India	Sep.18-21	European Commission
	Prof. Gulshan Sachdeva	Jean Moonet Chair	Sep.16-19	European Commission
	Dr. Sheetal Sharma	Jean Moonet Chair	Sep.17-20	European Commission

	Dr. Sheetal Sharma	Jean Moonet Chair	2018	European Commission
3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year				
School /Centre	Name of Research fellowship	Duration of fellowship	Funding agency	
CSMCH, SSS	UGC-JRF/SRF-29, UGC-Rajiv Gandhi National Fellowship-06, UGC-Maulana Azad National Fellowship-01, ICMR-JRF-01, ICSSR-03, The Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF)	5 yrs. 2 yrs. 3 yrs.	UGC, ICMR, ICSSR, Nippon Foundation and the Tokyo Foundation	
SCIS	UGC-JRF 06, CSIR-JRF 03, CSIR-SRF 02, DBT-JRF 01, DST-INSPIRE 03, RA 01, Post Doc 04		UGC, CSIR, DBT, SERB, UGC	
SBT	RA-01, Post Doc.-01, DHR-Women Scientist-01, DST National PDF-01, DS- Kothari PDF-01, ICMR Post Doc-01, CSIR -RA-01, SERB NPDP-01, DHR Yong Scientist-01, DST INSPIRE Faculty Fellow-01, SERB NPDP-01, SERB NPDP-01, ICMR RA-01, DS Kothari NPDP-01, DST Women Scientist (WOS- A)-01, DST/WOS-A Scientist-01, NPGH - Forgarty USA-01, DST Inspire Post Doc-01, DST -WOS Post Doc.-01, SERB NPDP-01, SERB TARE-01, DBT Post Doc.-01.		UGC, DHR, DST, ICMR, CSIR, SERB, DBT	
SCNS	JRF-03, SRF, Senior Research Associate-01, Research Associate-01, Research Assistant-01, Project Assistant-10, DST Inspire Faculty-02		DBT, CSIR-HRDG, DST PURSE, IUAC, DST Project, SERB	
SPS	JRF-07, SRF-13	3 yrs., 2 yrs.	CSIR & UGC	
CESP, SSS	JRF-44, SRF-02, Non-Net-13, RGNF-01	3yrs., 02 yrs., 05 yrs.	UGC	
CCSEAS, SLL&CS	JRF/SRF	05 yrs.	UGC	
CAS, SIS	JRF -04, PDF ICSSR-01, JRF (NFST)-01		UGC, ICSSR, Ministry of Tribal Affairs	
CL, SLL&CS	UGC Non NET-18, JRF-13, SRF-02, RGNF-07, NFST-01, ICSSR-03, NFHE-02, ICCR-01	05 yrs., 3 yrs.	UGC, ICSSR, ICCR	
CIS&LS, SSS	JRF-03, Single Girl Child-01, Sam Mayo Fellowship-01	-	UGC, AISBOA	
CJS, SLL&CS	JRF-06, UGC Non-Net-01	05 yrs.	UGC	
CAS, SLL&CS	UGC JRF-SRF-01, NFST-01, UGC JRF-03, ICSSR-01	05 yrs., 3 yrs.	UGC, ICSSR, Ministry of Tribal Affairs	
CES, SIS	UGC JRF-02	02 yrs.	UGC	
SSIS	UGC JRF - 09	05 yrs.	UGC	
CCUS&LAS, SIS	Post Doctoral Fellowship-01	01 yrs.	ICSSR	
CRS, SLL&CS	JRF, SFR, RGNF	05 yrs.	UGC	

3.2 Resource Mobilization for Research				
3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	3 years	DBT/DST/CSIR/ICSSR/ICMR/ICPR/ICHR/UGC	5,94,19,828.00	5,94,19,828.00
Minor Projects	-			
Interdisciplinary Projects	-			
Industry sponsored Projects	5 years	BIOSEED/ITC	29,42,518.00	29,42,518.00
Projects sponsored by the University	-			
Students Research Projects (other than compulsory by the University)	-			
International Projects	3 years	NIH/ICNET/Stanford University/USA/Jean Monnet/UNPF etc.	72,41,824.00	72,41,824.00
Any other (Specify)				
Total				
3.3 Innovation Ecosystem				
3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year				
Title of Workshop/Seminar	Name of the Dept.		Date(s)	
SBT – Prof. Alok Chaturvedi, Professor of Management & Computer Science, Purdue University, “Big Data and Agent-based Simulation for Strategy Mining” delivered on 09.05.2018.				
3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
CSMCH, SSS- Fox International Fellowship.	Madhurima Shukla	Whitney and Betty MacMillan Centre for International and Area Studies, Yale University.	2018-2019	Student
Commonwealth Split Scholarship	Rahul Rauney	IDS, University of Sussex, U.K.	2019-2020	Student
SBT-				
1. Ms. Priyanka Singh (R. Bhat) received European Molecular Biology Organisation (EMBO) short-term fellowship award to carry out advanced research in the area of Ion mobility Mass spectroscopy of human brain synuclein protein in the presence of neurotransmitters at the Michael Barber Centre for				

Collaborative Mass Spectrometry, Manchester Institute of Biotechnology, UK from January-March 2019.

2. Priyanka Singh (R. Bhat) presented her research work entitled "The neurotransmitter noradrenaline binds α -synuclein and modulates its structure and aggregation properties" at the 32nd Annual Protein Society Symposium held at Boston from July 9-12, 2018.
3. Shweta Sharma, Sudha Bhattacharya, Ranjana Arya*. Functional Characterisation of GNE mutations to understand Genotype to Phenotype Correlation. Biological Transactions: From Molecules to Organisms (BTMO). 17-20 Jan 2019, Indian Institute of Science (IISc), Bangalore
4. Vanndita Bahl (D. Gaur) is selected for prestigious EMBO short term fellowship in the lab of Dr. Anthony Holder's laboratory at The Francis Crick Institute, UK from 17th June, 2019 to 15th September, 2019.
5. Ashwathi A.M. (J. Bhattacharya) presented her research work "6th Nano Today Conference" to be held on 16th - 20th, June, 2019 in Lisbon, Portugal.
6. Geetika Verma (R. Bhat) presented her research work entitled "33rd Annual Symposium of The Protein Society 2019" to be held during 30th June, 2019 to 3rd July, 2019 in Seattle, USA.

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by

Name of the Start-up	Nature of Start-up	Date of commencement

3.4 Research Publications and Awards

3.4.1 Ph.Ds awarded during the year

Name of the Department	No. of Ph.Ds Awarded
JNU	805
CSMCH, SSS	21
SESNEI	01
SCIS	16
SBT	13
SPS	16
CESP, SSS	15
CCSEAS, SLL&CS	01
CAS, SIS	06
CL, SLL&CS	19
CIS&LS, SSS	02
CIS&LS, SSS	03
CAS, SIS	06
CES, SIS	01
SSIS	07
CCUS&LAS, SIS	07
CRS, SLL&CS	04
CILS, SIS	10

3.4.2 Research Publications in the Journals notified on UGC website during the year - Please see Annexure 1

	Department	No. of Publication	Average Impact Factor, if any
National	CSMCH, SSS	38	-
	SESNEI	03	
	SBT	59	
	SCNS	34	
	CIS&LS, SSS	02	
	CJS, SLL&CS	02	
	CSPILAS, SLL&CS	16	
	CILS, SIS	04	04
		=158	
International	CSMCH, SSS	09	-
	CIS&LS, SSS	05	
	ABVSME	07	-
		=21	

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year: Please see Annexure 4

Department	No. of Publication
CSMCH, SSS	14
SESNEI	Books – 03, Chapters – 05, Media Articles - 13
SCIS	06
SBT	06
SPS	05
CESP, SSS	02
CCSEAS, SLL&CS	Book – 05, Chapters - 07
CIS&LS, SSS	05
CJS, SLL&CS	Books-03, Chapter-08
CES, SIS	Books-03, Chapter-12
SSIS	13
ABVSME	02
CCUS&LAS, SIS	Books-03, Chapter-03
CRS, SLL&CS	07
CILS, SIS	Chapter-01
Total	1428

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
Title - Broad Spectrum Antibacterial Activity of Novel Bisbenzimidazoles	Application	US Application No. -	Filed on 23/7/2018

Targeting Topoisomerase IA and the Synergistic Composition of Bisbenzimidazole with Efflux Pump Inhibitors Against Pathogenic Bacteria. <hr/> Inventors: Devapriya Sinha and Vibha Tandon	Published	16/072,018	& Published on 24/1/2019
<u>Title</u> - Bio-Engineered Mesoporous Dialysis Nano -Beads for specific removal of excess body toxins, water & ions from kidney failure patients. <hr/> <u>Faculty</u> - Prof. Jaydeep Bhattacharya, SBT	Application Published	201711020373	Published on 22/03/2019
<u>Title</u> - Generation And Characterization Of Hybridoma Clones Producing Monoclonal Antibodies Against Specific Domains Of Human Pregnane And Xenobiotic Receptor (Pxr) <hr/> Faculty – Prof. Rakesh K. Tyagi	Application Published	201711016149	Published on 9/11/2018
<u>Title</u> - On-Chip nuclear magnetic resonance probe. <hr/> Faculty - Prof. D.k Lobiya, SCSS	Filed	201811028297	Filed on 27/07/2018
SBT- Jaydeep Bhattacharya, Sounik Sarkar, RoshniThapa; Antibiotic Delivery System		201811019105	22.05.2018
Jaydeep Bhattacharya, Ranjita Ghosh Moulick, Ashwathi Asha Madhavan, Subhavna Juneja, A Gold nanoparticle based colorimetric biosensor for the detection of Advanced Glycation End Products-		201811014098	12/04/2018
Jaydeep Bhattacharya, Ranjita Ghosh Moulick, Raj Kamal, Ashwathi Asha Madhavan, A low cost point-of- care microfluidic device for DNA/RNA isolation, purification and amplification using Chip based PCR/ RT- PCR for the development of optical, Electrochemical, magnetic and other biosensing applications		201811004666	7/02/2018
Jaydeep Bhattacharya, Rupesh Chaturvedi, Ajita Jindal. Bio -Engineered mesoporous dialysis nano beads for specific removal of excess body toxins, water and ions from kidney failure patients. Provisional		201711020373	10-06-2018
Rupesh Chaturvedi et al., Patent on Bio-engineered mesoporous dialysis nano-beads			
Reversal of latency of retroviruses with Galectin protein. US patent publication number: filed: March 10, 2016;. Inventors: Satish K. Pillai, Mohamed Abdel-Mohsen, Leonard Chavez,		20180153901;	07.06.2018

Lishomwa Ndhlovu, Ravi Tandon, Toshiro Niki, Mitsuomi Harashima			

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
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Please see Annexure 2

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
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Please see Annexure 3

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year:

School / Centre	No. of Faculty	Attended Seminars/ Workshops			Presented papers			Resource Persons			Local level
		International level	National level	State level	International level	National level	State level	International level	National level	State level	
CSMCH, SSS					09	39	-				
SESNEI		03	08	05	03	08	05				
SCIS		20	15	-	13	21	-	03	01	-	-
SBT		07	39	-							12
SCNS		11	07	-							
CESP, SSS		01	02	-							
CCSEAS, SLL&CS		36	03	-							
CAS, SIS		09	02	-	02	02	-				
CL, SLL&CS		02	01	01							02
CIS&LS, SSS		10	08	-	-	01	-	-	07	-	-
CHS, SSS		01	02	-							02
CJS, SLL&CS		14	04	-	02	-	-				
CAS, SIS		02	-	-	02	-	-				
CES, SIS		40	04	18	11	-	04				42
SSIS		11	37	-	-	-	-				
ABVSME		02	03	-	01	01	-	-	01	-	
CCUS&L AS, SIS		04	01	-	21	14	-	05	-	04	37

CRS, SLL&CS		40	20	-	08	-	-				
CILS, SIS		10	25	-							
Total		417	1520	24							95

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
SBT- JNU Open Day 2019	JNU	19	700
SBT - Science Day 2019	JNU	19	1000
SBT - Bioepoch 2019	JNU	19	600

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such

				activities
ICC- Gender Issue	ICC/JNU alongwith DST	International Women's Day (08 th March 2019) Theme: Balance for Better Venue: Auditorium I, Convention Centre, JNU	10	250
CSMCH, SSS- Field Work – Institutional Orientation, Community Orientation	JNU	Community Health, Village based Health Study <i>The field work is designed to expose the students with the health system, functionaries and programmes; institutions; and the community in an around Delhi. In the second phase, which is done in the second (winter) semester, a district other than Delhi, is selected to expose the students to the situation which prevail in a typical health system; its connect with other institutions and the community-both in the rural and urban areas.</i>	02+02	13+13
CRS, SLL&CS	Swachh Bharat, JNU	Summer Internship	01	15
	ICC, JNU	Summer Internship	01	15

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
SESNEI – Workshop on “Labour and Employment in North East India	Open Research Students	V.V. Giri Institute, Noida	March 19, 2019
International Young Scholar Conference on “Margins and Connections	Scholar from different Universities and Organisations	ICSSR	07-08 February, 2019
Colloquium on Illegal Migration and NRC: Lessons from North East India	Scholars and Faculties from different Universities	ICSSR	24-25 January 2019
CES, SIS- Field Work	Swati, Sumbul Parveen	Konard Adenauer Foundation, Germany. University of Agder, Norway.	06 months 02 months
CCUS&LAS, SIS – Quebec Film Festival and discussion on “Women’s Status and Gender Roles in Quebec: From Tradition to Modernity”	Le Bureau du Quebec and University of Montreal	Le Bureau du Quebec	Oct. 31, 2018
SBT- Newton Bhaba Ph.D. Placement Programme at University of Cambridge	Sonal Gupta	Project	4 months
Prestigious EMBO short term Anthony Holder’s Laboratory at the Francis Crick Institute, UK	Vanndita Bahl	Project	3 months

CJS, SLL&CS – Study Trip to Japan	03	Shinnyoen	15 days

CSMCH, SSS-

1. Arogyam: Dept. of Social Sciences, University of Edinburgh, Scotland, U.K., Heidelberg University, Achutha Menon Centre for Health Services Studies, Trivandrum.
2. University of Warwick, UK.
3. School of Public Health, University of Bielefeld, Germany
4. National Health Systems Resources Centre (NHSRC), Ministry of Health & Family Welfare, New Delhi
5. Department of Community Medicine, St. Stephens Hospital, New Delhi.
6. University of Fudan, Shanghai Public Health Bureau, Institute of Chinese Studies, New Delhi.
7. AoC between School of Social Sciences, JNU and School of Social Sciences of Kaziranga University, Jorhat, Assam.
8. AoC between CSMCH/SSS/JNU, New Delhi with Centre for Local Health Traditions and Policy of the University of Trans-Disciplinary Health Science and Technology, Bengaluru
9. AoC between School of Social Sciences, JNU and Dept. of Health Sciences of University of York, York, United Kingdom.
10. AoC with the Institute of Chinese Studies, New Delhi (in process of renewal)
11. AoC with Fudan School of Public Health, Fudan University, Shanghai, China
12. AoC with Shanghai Health Development, Research Centre, Shanghai, China
13. AoC with Central China Normal University, Wuhan China
14. School of Asian and African Studies, Kyoto University, Japan

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

School/Centre	Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
<u>CSMCH, SSS</u>	Research Methodology Workshop on Social Exclusion and Discrimination for Research Scholars	Students working on Doctoral Thesis in various universities	IDRC-IIDS	03 days 23-23 Sep. 18	
	Internship	MPH Students	SME, Kerala	7 days	
<u>CCUS&LAS, SIS –</u>	AoC	AoC	Centre for Asian Studies, Associacao Escola Superior de Propaganda e Marketing (hereinafter “ESPM”), Sao Paulo, Brazil	2018-2021	Dr. Priti Singh and Dr. Aprajita Kashyap of CCUS&LAS/SIS and Ambassador Fausto Godoy, Centre for Asian Studies, ESPM

3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year			
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
International (MoUs / AoCs)			
Latin American School of Social Sciences of FLACSO, Argentina	14.12.2018		
M. V. Lomonosov Moscow State University, Russia	01.06.2018		
The Ecole Normale Superieure De Lyon	04.07.2018		
Niigata University, Japan	18.12.2018		
Shinryo Educational Trust, Japan	30.08.2018		
University of Debrecen, Debrecen, Hungary	26.06.2018		
Anyang City, Republic of Korea	22.06.2018		
The Yenching Academy of Peking University	04.02.2016		
Institut Barcelona D'Estudisinternacionals (IBEI), Barcelona)	26.09.2018		
Development Strategy Centre of Tashkent, Uzbekistan	28.09.2018		
Institute of Global Studies of Shanghai University, Shanghai, PRC	30.11.2018		
Latin American School of Social Sciences of Flacso-Argentina	14.12.2018		
Lomonosov Moscow State University, Russia	01.06.2018		
Eurasian National University by L.N. Gumilyev, Astana, Kazakhstan	06.06.2019		
Simon Fraser University, Burnaby Canada	11.04.2019		
National Tsing Hua University, Taiwan (Student Exchange)	17.10.2018		
University of Zurich, Switzerland	06.06.2019		
The University of Melbourne, Australia	11.04.2019		
University of Free State, South Africa	18.07.2019		
Shenzhen University, Guangdong, China	23.12.2018		
University Jean-Moulin Lyon 3, France	15.01.2018		
Tomsk State University, Tomsk, Russia	23.06.2018		
Tribhuvan University, Nepal	01.01.2018		
Sungkyul University, Gyeonggi-Do, Korea (Student Exchange)	21.01.2018		
Jinan University, China	22.01.2018		
Eurac Research, Bolzano/Bozen, Italy	03.05.2018		
University of Bern, Switzerland (Student Exchange)	24.04.2018		
Universidad Catolica Del Maule, Chile	17.05.2018		
Yunnan Academy of Social Sciences/ the Chinese (Kunming) Academy of South and Southeast Asian Studies, China	14.06.2018		
University of Rouen Normandy, France	18.06.2018		
Hankuk University of Foreign Studies,	20.06.2018		

Korea			
Yunnan Minzu University, China	28.06.2018		
Indraprasta PGRI University, Jakarta, Indonesia	07.05.2018		
Institute of Advanced Sciences, Dartmouth, MA, USA	09.01.2018		
EL Colegio De Mexico	11.04.2018		
University of Florence, Italy	12.02.2018		
University of Technology, Sydney	12.06.2018		
South Kazakhstan Pedagogical University, Shymkent, Kazakhstan	12.07.2018		
Asian Research Network Korea, Seoul, Korea	27.09.2018		
The University of Colombo, Colombo, Sri Lanka	08.10.2018		
Far Eastern Federal University, Russia	20.12.2018		
Chiang Mai University, Thailand	19.02.2019		
Moscow Pedagogical State University, Moscow, Russia	25.04.2019		
The Moscow Region State University, Mytishchi, Russia	28.02.2019		
Jagiellonian University, Poland	08.03.2019		
The Anton De Kom Universiteit Van Suriname (AdeKUS)	02.01.2019		
Kookmin University, Seoul, Republic of Korea and Student Exchange	11.10.2018		
Universitas Muhammadiyah Surakarta, Indonesia	24.04.2019		
University of Melbourne, Australia Renewed	11.04.2019		
National Chung Hsing University, Taiwan Student Exchange	09.01.2019		
University of Islamic Denominations, Tehran, Iran	14.06.2019		
FSBEI HE Murmansk Artic State University, Russia	21.06.2019		
Ho Chi Minh National Academy of Politics (HCMA), Hanoi, Vietnam	06.11.2018		
Renmin University of China, Beijing, China (Student Exchange)	24.04.2019		
National (MOUs & AoCs)			
AoC between JNU and Sikkim University and University of Jammu and University of Kashmir (hereinafter called the Inter University Consortium on Cryosphere & Climate Change)	13.02.2012		
AoC between Special Centre for Sanskrit Studies, JNU and Millennium India Education Foundation	09.11.2012		
AoC between JNU for award of two Scholarships to MA (Economics) students of CESP/ SSS and Export-Import Bank of India (EXIM Bank)	30.10.2013		
MoU/AoC between JNU and IIT Delhi	30.07.2014		

AoC between Special Centre for Nano Sciences, JNU and Inter-University Accelerator Centre (IUAC) New Delhi	11.12.2014		
AoC Between JNU & Jain Vishwa Bharti Institute, Rajasthan	11.01.2016		
MoU between JNU and All India State Bank Officers Federation and its affiliate organisations (AISBOF)	21.03.2016		
MoU between JNU and Doon University, Dehradun	10.06.2016		
MoU between JNU and Sungum Sudhar Scholarship Endowment	20.02.2017		
MoU between JNU and HBNI, Mumbai	03.03.2017		
AoC between JNU and Centre for Indic Studies, Indus University, Ahmedabad	16.01.2018		
MoU between JNU and Mahatma Gandhi University, Nalgonda (T.S)	08.02.2018		
AoC between JNU and Vedic Research Centre, Kanya Maha Vidyalaya, Jalandhar	26.05.2018		
AoC between JNU and International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN) of Mahatma Gandhi University, Kottayam, Kerala	16.05.2019		
AoC between Adikbi Sarla Das Chair of Odia Studies, CIL, SLL&CS, JNU and Centre for Excellence in Language Literature and Culture Studies of Utkal University	20.08.2019		
<u>CESP, SSS</u> – Exim Bank	10.08.2018	Scholarship to two top meritorious students as well as to the topper among the reserved category students of MA (Eco.) 1 st Year	
<u>CJS, SLL&CS-</u> AoC between JNU and Graduate School of Language and Culture, Osaka University	18.04.2019	Student Exchange	08 students
AoC between and Shinnyoen Educational Trust, Japan	29.08.2018	Scholarship for Students	

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**4.1 Physical Facilities****4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year**

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	1019.38 Acres	-
Class rooms	167 nos.	
Laboratories	217 nos.	
Seminar Halls	16 nos.	
Classrooms with LCD facilities	All	All
Classrooms with Wi-Fi/ LAN	All	All
Seminar halls with ICT facilities	All	All
Video Centre	07	07
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		
Value of the equipment purchased during the year (Rs. in Lakhs)		
Others		

4.2 Library as a Learning Resource**4.2.1 Library is automated {Integrated Library Management System (ILMS)}**

School/Centre	Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Library, JNU	VIRTUA	Fully	V.1.140.3	2008

4.2.2 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	501348		2753+1216	4013855/-	505317	-
Reference Books			=3969			
e-Books	38613+83 668 =122281	15674035/-	31	241552/-	122312	15915587/-
Journals	03	3848/-	nil	-	03	3848/-
e-Journals	Nil	Nil	08	320182/-	08	320182/-
Digital Database	32	365462646 5/-	01	1785880/-	33	383821446 5/-
CD & Video	04	541656/-				541656/-
Library automation						
Weeding (Hard & Soft)						

Others (specify)			
4.2.3 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc			
Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
SBT- Devapriya Choudhury	Paper No. : 06 Computational Biology Module :02 Sequence Analysis –I: Two sequence alignment	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :03 Sequence Analysis –II – Multiple sequence alignment	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :04 Database Searching- Text Search and BLAST	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :05 Pattern Recognition Methods in Sequence Analysis-I	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :06 Pattern Recognition in Sequence Analysis -II	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :15 Molecular Modeling	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :16 Prediction of 2D & 3D structure of Proteins-I	ePG Pathsala	2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :17 Prediction of 2D & 3D structure of Proteins-II	ePG Pathsala	2018
B. S. Balaji	Bio-Organic Chemistry 1	JNU- e-learning (LMS)	07-Sept-2018*
B. S. Balaji	Organic Chemistry 1	SWAYAM-UGC	On going
B. S. Balaji	Organic Chemistry 1	SWAYAM-CEC	On going
CJS, SLL&CS- Prof. P.A. George		E-Pathshala, Concurrent	

		faculty at SCEL, JNU	
Dr. M. V. Lakshmi & Ms. Janashruti Chandra	Course 1: Introduction to Japanese Language Course 2: Grammar 1	Concurrent faculty at SCEL, JNU & MOOCs Platform	1 st workshop on MOOCs participate in e-content development and Open Educational Resources 18, March to 23, March 2019 organised by JNU.
CSPILAS, SLL&CS		In the process of uploading free of cost e-content on the SWAYAM platform for Indian students desirous of learning Spanish.	

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	2600	All academic	All academic	-	01			20 Gbps (10G+10G)	
Added	400	JNU	JNU	-	-			20 GPS	
Total	3000								

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

20 Gbps (10G + 10G links) MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
	CIS - http://lms.jnu.ac.in/moodle/

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities

<p>4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)</p>			
<p>SESNEI – The centre maintains a small library for researchers. It contains periodicals, reports and books pertaining to North East India and its neighbouring areas.</p> <p>CSMCH, SSS – The documentation unit of the centre has grown into a specialised collection of documents procured through purchase or as gifted donations by the faculty members from time to time for reference over the years. The collection housed in the Documentation Unit comprises of books, journals, official report, monographs, articles, Ph.D. thesis, M.Phil dissertation and MPH district field reports. We have also a soft copy of article on communicable diseases provided by the ICMR-Regional Medical Research Centre, Bhubaneswar.</p> <p>CESP, SSS – CESP maintains computer labs which house a large number of computers connected to the JNU network as well as to a centralized server that provides access to CESP data repository. The CESP data repository is also available to all users in JNU over JNU internet. In addition the centre has created a reading room with wi-fi connectivity for the use of students. CESP has been recognised as a centre for Advanced Studies by the UGC under its SAP/DSA Scheme. The CAS funds are used for purchase of books and database, for obtaining technical services, for field work, for holding conferences and seminars and for upgrading infrastructure.</p>			

CRITERION V - STUDENT SUPPORT AND PROGRESSION**5.1 Student Support****5.1.1 Scholarships and Financial Support**

	Name / Title of the scheme	Number of Students	Amount in Rupees
Financial support from Institution	SESNEI - UGC Non Net	04, 12	8,000/-, 5,000/-
	SCIS – Corpus Fund	01+01	14,826/- , 25174/-
	SBT – DBT	11+31	-
	CESP, SSS – MCM	08	24,000/- (per student)
	CCSEAS, SLL&CS – MCM, ESCORT, Non-Net	48, 03, 05	2,000/-, 3,000/-, 5,000/- p.m.
	CJS, SLL&CS – MCM, UGC Non-Net	41, 01	2,000/-, 5,000/- p.m.
	CES, SIS – Non-Net Fellowship	46	5,000/- p.m.
	SSIS - -	06	-
	CSPILAS, SSS -	05	-
	CCUS&LAS – UGC Net, UGC ICSSR, UGC Non Net	26	20,000/-, 28,000/-, 8,000/-, 5,000/- p.m.
	CRS, SLL&CS – Monsoon Sem.- MCM, ESCORT, UGC-Non Net, JRF Winter Sem. - MCM, ESCORT, UGC-Non Net, JRF	114 107	2,000/-, 3,000/-, 5,000/-, 25,000/-
CILS, SIS – UGC JRF/SRF, UGC Non Net, RGNJRF	16	25,000/-, 5,000/-, 8,000/-, 25,000/-	

Financial support from other sources

a) National	SESNEI - ICSSR, JRF, RGNF	01, 06, 02	28,000/-, 31,000/-, 28,000/-
	CSMCH, SSS – UGC-JRF/SRF, UGC RGNF, UGC MANF, ICMR JRF, ICSSR	29, 06, 01, 01, 03	-
	CCSEAS, SLL&CS – UGC-JRF	01	25,000/- p.m.
	CIS&LS, SSS – MCM, Non Net Fellowship, JRF, Single Girl Child, Sam Mayo Fellowship	27, 07, 03, 01, 01	-
	CES, SIS – UGC-JRF/SRF	13	25,000/-, 28,000/-p.m.
	CCUS&LAS – UGC RGNF, UGC JRF, UGC Net SRF, NFST	15	28,000/-, 25,000/-, 31,000/- p.m.
b) International	CSMCH, SSS - SYLFF	-	-
	CJS, SLL&CS – Shiiyoen Scholarship	08	2,44,000/-

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

School/Centre	Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
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Sports Office	Morning and Evening coaching classes are held in fitness, basketball, badminton, aerobics, Zumba, Athletics besides sports nutrition, exercise physiology etc.	Since 2014	55	JNU Sports Office
CCSEAS, SLL&CS	Remedial Classes	October 2017	32	
CCUS&LAS, SIS	There are informal consultation with faculty on all the issues and concerns raised by students. Student Faculty Committee discusses academic activities and output. Remedial classes in the subject are offered for those who need skills in academic comprehension, writing and presentation. Students are encouraged to participate in the research consultancy with their supervisor. Research Advisory Committee (RAC) meetings for each student designed to help with the thesis / dissertation is held atleast once in a semester. Personal counselling is also done by the faculty to the students who require it.			

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year			
Deptt.	Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
ICC, JNU	12 + (31* + 10**) = 53	8+27*+9** (erstwhile GSCASH cases) = 44	90 days
	<ul style="list-style-type: none"> *31 cases of erstwhile GSCASH were transferred to ICC vide Supreme Court's order 23.04.2018, SLP (Civil) Diary No. 12643/2018: Titles JNU Vs. Madhu Sahni & Co. ** Further 10 cases of erstwhile GSCASH were opened. 		
Equal Opportunity	04	02	30

5.2 Student Progression						
5.2.1 Details of campus placement during the year						
On Campus				Off Campus		
School/Centre	Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
5.2.2 Student progression to higher education in percentage during the year						
School/Centre	Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
CSMCH, SSS		MPH	MPH	JNU & Other Institutions	Universities and institutions, government departments, ministries and NGO	Ph.D.
		M.Phil.	M.Phil.	JNU & Other Institutions	Universities and institutions, government departments, ministries and NGO	Ph.D.
		Ph.D.	Ph.D.	JNU & Other Institutions	Universities and institutions, government departments, ministries and NGO	Ph.D.

5.2.3 Students qualifying in state / national / international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services / State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	<u>SESNEI</u> - 04 <u>CSMCH, SSS</u> – 32 <u>CAS, SIS</u> – 09 <u>CJS, SLL&CS</u> - 01 <u>CAS, SIS</u> – 09 <u>CES, SIS</u> - 07 = 58	14238, 43374, 46772, 60168 - 34469, DL01539463, 17050026, 17171745, 13002642, 15009786, 15049104, 15047296, 15022954 91040140 34469, DL01539463, 17050026, 17171745, 13002642, 15009786, 15049104, 15047296, 15022954 AP1701501775, UP0701501160, 15010274, DL-0108529815, DL- 0106516948, 15019302, 15027018
SET		
SLET		
GATE		
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other		

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Summer Basketball and Athletics Coaching Camp held at the sports complex from 17.05.2018 to 26.06.2018 from 6.30 am to 8.30 am	For JNU students and community	22
Zumba fitness camp: 6 th to 31 st August 2018	For JNU students and community	35
National sports day celebrations: 29 th August 2018	For JNU students and community	26
Badminton camp for freshers: 17 to 23 September 2018	For JNU students and community	38
Inter-hostel cricket tournament: 5th October 2018 to 16th October 2018	For JNU students	12 teams x 12 players each = 144
2nd JNU Basketball Tournament held in sports complex, JNU on 23rd October 2018 and 24th October 2018	For JNU students and community	100
Rock Climbing Programme-2018 (12 to 15 th December 2018 at Dhauj, Haryana).	For JNU students	18
Volleyball camp and tournament 2018-19, 3.07.2019 to 27.07.2019	For JNU community	37
Summer Trek, 10th to 20 th June, 2019 BURAN PASS/TREK (Maximum Altitude 4550 m) Himachal Pradesh	For JNU students	83 (15 students were selected)

5.3 Student Participation and Activities						
5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)						
Year	Name of the award / medal	National / International	Sports	Cultural	Student ID number	Name of the student
2018	Bronze medal	International (Para Asian Games 2018, 6-13 October), Jakarta, Indonesia	Discus throw		Regn no. 29636, PhD, CSDE, SDE	Nidhi Mishra
2018	3 gold medals	21 st IBSA National Athletics meet 2018 (10-13 December 2018), Thyagraj Stadium, Delhi	100 m, Discus Throw and Shot Put		Regn no. 29636, PhD, CSDE, SDE	Nidhi Mishra
5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)						
<p>CSMCH, SSS – Students are members of the SFC and they play important role in the academic activities of the centre like field work and other co-curricular activities – Film Clubs, Scholars voice and seminars.</p> <p>CRS, SLL&CS – The students of CRS actively participate in JNUSU activities in the form of students counsellors / centre representatives in SFCs and they are also part of University administrative bodies in the form of members of IHA and hostel representatives.</p>						
5.4 Alumni Engagement						
5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):						
Yes. Alumni Association of JNU (AAJ) has been functioning since 2003. The University also maintains an Alumni Affairs Office in which all the former students of JNU are registered.						
5.4.2 No. of registered Alumni:						
7500						
5.4.3 Alumni contribution during the year (in Rupees):						
-						
5.4.4 Meetings/activities organized by Alumni Association:						
The Alumni Affairs office organized a number of activities during the year, to develop Alumni Network of JNU. It included the following:						

- A Special Lecture “**Innovation Vs Blueprint: Example of Sanitation Programme in Mandi District, HP**” by Shri Subhashish Panda, Deputy Director (Admin.), All India Institute of Medical Sciences, 29 November, 2018 in Committee Hall, JNU Convention Center.
- A Special discussion on “**Dynamic Developments in Asia: India’s Act East Policy**” by Shri Gurjit Singh, Former Ambassador, Government of India and Shri Prakash Nanda, Editor Geopolitics, 7 February, 2019 in the Committee Room -128, Building –II, School of International Studies, JNU.
- Through this office we have established links with JNU alumni and several JNU alumni associations in different parts of India and abroad. We have already produced a directory of nearly **7,500** approximately alumni which is **available** online. We are expediting the process for reaching the remaining alumni. Through the office of the Controller of Examinations we have now arranged in the alumni data to be transferred to the Alumni Affairs Office.
- Efforts are being made to make website interactive to all alumni.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1 Institutional Vision and Leadership
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)
<p>1. Institutional Ranking Framework Committee Off late there have been more than one ranking and accreditation universities are undergoing through. To name a few, NIRF/QS Ranking/THA Ranking and Atal Innovation Ranking. In addition to NAAC accreditation these 04 rankings stands different yet important for improving the teaching learning evaluation and in general performance of university, thus, the JNU IQAC has made the subject Committee with assigned task of data collection, data arranging, data analysis, data presentation and after approval participating into the process of linking. Teachers from various centres and schools are being considered to play roles in above mentioned aspects and to assure that the authentic validated information will be submitted while participating in ranking. JNU has been identified as a Mentor to guide/encourage 5 Mentee higher education institutions from India to accomplish their NAAC accreditation. Towards the same, the IQAC has almost identified 5 such institutions/colleges from the National Capital Region so to guide on more frequent basis and in smooth manner.</p> <p>2. Transparency in Research Publication and Evaluation JNU assures unanimity and transparency while research is carried out either in the laboratory or on field. Extensive and careful use of TURN IT IN software had various steps to assure there will be no redundancy or unless required no similarity in the text that will make a part of research publication. The publication that comes from JNU are assured to be nearly free from similarity index.</p> <p>3. UGC CARE Journal Task JNU has been identified as the Nodal University for the Northern Region while making the list of authentic journals to be ratified by the UGC. UGC CARE Journal Portal is open and the Director IQAC has been identified as the Nodal Officer for the same. The JNU IQAC has constituted two Committees for smooth processing of CARE journal task. JNU CARE Unit also looks upon various language journals of whole India. This was decided in UGC CARE meeting that was held in SPPU in the Month of March, 2019. Through the CARE Journal Portal JNU will play an immensely important role in improving the quality research publications of India in the global competition.</p>
6.1.2 Does the institution have a Management Information System (MIS)?
Yes / No / Partial:
Partial
6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):
<p>❖ Curriculum Development- <u>CSMCH, SSS</u> – Periodic review of the contents, modification based on workshops and discussions. <u>ABVSME</u> - Programmes MBA, Ph.D. and Diploma <u>CCUS&LAS, SIS</u> – Courses (both existing and new) are developed by a discussion on the curricula in the Center Committee Meetings. Courses are approved after thorough discussion and deliberation. Strategies are devised to meet the goals of the course that involves continuous updating of the developments in the field. Since the Centre’s programmes are in the field of area studies, they are noth inter-disciplinary and multi-disciplinary in nature. Joint faculty seminars and inputs from the seminars are also added from time to time into the course. <u>CRS, SLL&CS</u> – Introduction of new courses at BA & MA level</p>

❖	<p>Teaching and Learning- CSMCH, SSS – Periodic review of the contents, modification based on workshops and discussions. ABVSME - Upgradation of courses. CCUS&LAS, SIS – Remedial courses are offered by the School / Centre to improve the learning of students from the Centre. Tutoring and mentoring are done on an individual basis by supervisors and faculty of the Centre for academic purposes. Quality improvement strategy or teaching includes use of computer based teaching e.g. PPTs and use of documentaries and films in addition to regular lectures / seminars / conferences. Students are asked to present papers for the courses and also in seminars, to build and further enhance their capacity. CRS, SLL&CS – Implementation of Innovative Communicative and Teaching Methods / Language Lab usage.</p>
❖	<p>Examination and Evaluation- CCUS&LAS, SIS- As per the University rule. M.Phil course work contains book reviews, mid-semester examination, term papers, presentation of the same and end semester examination. Evaluation is on credit point basis. Masters courses also follow the same pattern.</p>
❖	<p>Research and Development- SESNEI- All the faculty conducted research under the UPE-II scheme of UGC-JNU. CCUS&LAS, SIS – Research Methodology is compulsorily taught to all students of the Centre by faculty of the Centre. Secondly, field trips are undertaken by both faculty and students in pursuit of their research. Students are encouraged to publish research papers related to their Ph.D. in peer review journals and to participate in national and international conferences.</p>
❖	<p>Library, ICT and Physical Infrastructure / Instrumentation – CCUS&LAS, SIS – The School has a small library with some reading reference material, along with the University Central Library. JNU Centre Library has been providing remote access for several databases / research which are open to all faculty and students. Students are provided computer access in the school / centre.</p>
❖	<p>Human Resource Management – Admn. Deptt. – Personnel are being posted at various posts as per their specializations/experience & functional requirement of the University to get maximum work output. Further, officials are being rotated/transferred internally for giving them maximum exposure/grooming/work experience.</p>
❖	<p>Industry Interaction / Collaboration – ABVSME - Industry visits, Live Projects linked with Industry, Guest Lectures, Club Activity</p>
❖	<p>Admission of Students – Online System: Student Life Cycle System, Student Registration System</p>
6.2.2 Implementation of e-governance in areas of operations:	
❖	<p>Planning and Development –</p>
❖	<p>Administration – CIS – Yes, e-office, Online Recruitment System, House Allotment System, Pharmacy Software, Online Consumable Request System, Helpdesk Complaint System</p>
❖	<p>Finance and Accounts – CIS – Comp DDO Salary S/w, FMPS, online payment gateway system</p>
❖	<p>Student Admission and Support –</p>

CIS – Student Life Cycle System, Student Registration System

❖ **Examination –**
CIS – Online (NTA)

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

School/ Centre	Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
CSMC H, SSS		1. Baru, Rama V. , Presented a paper titled “Commercialisation of medical care and Public Medical Insurance Schemes in India: Who Benefits?” at the International Conference on the Political Economy of Contemporary India, sponsored by Indira Gandhi Institute of Development Research, Mumbai (IGIDR) Indian Council of Social Science Research (ICSSR), January 8-9, 2019.			All conferences etc. are attended on the expense of the host institution
		2. Baru, Rama V. , Speaker at a Seminar on GENDER PARITY: Issues and Challenges on 15-16 January 2019. Shivaji College. Delhi University. New Delhi.			
		3. Baru, Rama V. , The Women’s Empowerment in Nutrition Index. February 8 th 2019. Indian International Centre. New Delhi.			
		4. Baru, Rama V. , Presented paper on ‘Incorporating Equity and Ethics in Health Technology Assessments’ in an International seminar on International Seminar on Using Evidence for Decision making and Health Benefits Package Design. February 25 th and 26 th 2019. Guwahati, Assam.			
		5. Baru, Rama V. , International Seminar on Arrangements for Elderly Care in India and China on 12-13 March, 2019. New Delhi in collaboration with Institute of Chinese Studies, New Delhi.			
		6. Baru, Rama V. , Attended meeting on CORD-IGIDR-University of Texas, Austin-NIN.			
		7. Acharya, Sanghmitra S. , CFAR Research Network Meeting on Planning research papers/studies to highlight CFAR's work with resource poor communities in shaping the sanitation agenda and community participation in governance. Co-hosted by CFAR and Institute of Development Studies, Jaipur on August 3-4, 2018 at Hotel Visaya, N 82 Panchshila Park, New Delhi.			
		8. Acharya, Sanghmitra S. , Three Day Seminar Women in Household Economy: Issues and Challenges towards Gender Equality October 11 th –13 th , 2018 Department of Women’s Studies, Indian Social Institute, New Delhi.			
		9. Acharya, Sanghmitra S. , Panelist in 'Technical Workshop on Decentralized Sanitation Solutions: Forging a collaborative agenda for Capacity Building Research'. National Institute of Urban Affairs (NIUA), New Delhi, Organised with Ecosan Services Foundation (ESF) at Hotel Taj Land's End, Mumbai on 18th November, 2018.			
		10. Acharya, Sanghmitra S. , ‘Sewerage and Sanitation Workers Understanding Barriers in their development’. 9-10 March 2019. National Academia Conclave. Urban Sanitation Solutions. CEPT University, Ahmedabad.			
		11. Acharya, Sanghmitra S. , 'Emerging Issues of Sustainability in Health' in One day dissemination seminar on March 30, 2019 at Conference Hall-I, India International Centre, New Delhi.			

12. **Acharya, Sanghmitra S.**, 'Universal Access to Maternal and Child Health in EAG States- Issues and Challenges for Equity' in the Panel on Maternal and Child Health in EAG states: Lessons Learned and Way Forward. International Seminar on Maternal and Child Health in Empowered Action Group States SDG'S Perspective, 5-6 April, 2019 A.N. Sinha Institute of Social Studies. Patna.
13. **Acharya, Sanghmitra S.**, Dissemination workshop of the project titled "Intergenerational Mobility among Scheduled Caste" on 6 July 2018. A.N. Sinha Institute of Social Studies, Patna.
14. **Acharya, Sanghmitra S.**, International Conference on "Inclusive and Quality Education: Towards Sustainable Development Goal 4", at the India International Centre in New Delhi on 14 May 2018 organised by Institute of Social Sciences, New Delhi, in partnership with UNICEF India.
15. **Priya, Ritu**, Speaker at Panel discussion on book 'Health beyond Medicine', at the Social Development Forum of Council for Social Development, May 17th 2018, New Delhi.
16. **Priya, Ritu**, 'Revisiting Primary Health Care'. Organiser of Workshop in collaboration with the Medico Friend Circle. JNU, July 2018.
17. **Priya, Ritu**, 'Presentation on Pathways to Sustainability Network'. Transformations to Sustainability programme workshop (International Social Science Conference), 21–24, September 2018, Fukuoka, Japan.
18. **Priya, Ritu**, 'Reflections on Power as a Barrier and on Enhancing Agency'. Presentation on behalf of project team of Transformative Pathways to Sustainability: Learning Across Disciplines, Contexts and Cultures. World Social Science Forum, 26 September 2018, Fukuoka, Japan.
19. **Priya, Ritu**, Participation in the International Social Science Council (ISSC) Pathways Workshop. Hosted by the Africa sustainability Hub, Sentrim Elementaita Lodge (Kenya), 8th -9th October, 2018.
20. **Priya, Ritu**, Presentation, South Asia Hub and Knowledge Network. Pathways To Sustainability Global Consortium Meeting. Kenya School of Monetary Studies, Nairobi, 10th October, 2018.
21. **Priya, Ritu**, Chair for session on Challenges in Integration and Mainstreaming of Indigenous Knowledge, at the Launch Workshop for Traditional Knowledge Systems & Indigenous Healing Practice in North East India- A Project of Kala Nidhi, 17th October 2018, Indira Gandhi National Centre for the Arts.
22. **Priya, Ritu**, Chaired a session on Factoring in the Politics of Knowledge-an Ethical Imperative, at the 14th World Congress of Bioethics and 7th National Bioethics Conference, 5-7th December, 2018, St. John's National Academy of Health Sciences, Bengaluru
23. **Priya, Ritu**, Health in Manifestos-2019. Consultation organised on behalf of Health Swaraaj Samvaad, 10th January 2019, Jawahar Bhawan, New Delhi.
24. **Priya, Ritu**, 'Revisiting Health for All' theme at MedicoFriend Circle Annual Meet, Sewagram, 8-9th February 2019. Presented the overall issues from the three paper series written with others as in journal articles above.
25. **Priya, Ritu**, Speaker at the Workshop on Strengthening Public Health System for Realising Universal Health Coverage. 20th February, 2019.
26. **Priya, Ritu**, Towards Action Research and IEC for Tribal Health

	<p>Care: A Health Systems Perspective. Presentation at the Panel discussion on launch of COTREX, Indian Institute of Public Administration (IIPA) Conference Hall, 28th of February 2019.</p> <p>27. Priya, Ritu, Consultation on Right to Health Care Legislation, SIHFW, Government of Rajasthan, Jaipur, 13th March, 2019.</p> <p>28. Dasgupta, Rajib, NCDs and indoor air pollution in the urban context: Applying the NCD lens to SDGs. Emerging Challenges for Urban Sustainability in India. Centre for Urban Ecological Sustainability, Azim Premji University, Bengaluru, 3rd and 4th January 2019.</p> <p>29. Bisht, Ramila, (2018) Chaired Seminar titled “Sanitation and Conservancy Workers - Does National Cleanliness Mission address Issues of Health, Housing and Livelihoods?”, Organised by Centre of Social Medicine and Community Health, School of Social Sciences, Jawaharlal Nehru University, New Delhi – 110067; Sponsored by ICSSR Northern Region Centre, New Delhi. 20th and 21st April 2018 (National).</p> <p>30. Bisht, Ramila, Chaired the “Witness Seminar” on Private Healthcare Sector in Pune and Mumbai: 1980s to present, Organized by SATHI, Pune and King’s College, London, 24th June 2018, YMCA, Mumbai.</p> <p>31. Bisht, Ramila, Roundtable on “Exploring Research & Policy gaps in Low-income Migrants’ Access to Services and Protection in India (and beyond) India International Centre, 40, Max Mueller Marg, New Delhi, http://www.iicdelhi.nic.in/ Friday, 13 July, 2018</p> <p>32. Bisht, Ramila, (2018) Roundtable on discussion of the Book titled "Equity and Access: Health Care Studies in India" edited by Purendra Prasad and Amar Jesani. New Delhi: OUP, 2018, Board Room IIC, New Delhi, 5th October 2018 (national).</p> <p>33. Bisht, Ramila, (2019) Chaired a session Workshop titled "Traditional Healing Practices and Health Care Utilization among Women and Children: A Study in Four North Eastern States", 18th January 2019 (Friday) in SSS III Committee Room, JNU. ICSSR sponsored (national).</p> <p>34. Bisht, Ramila, Participated in a International Seminar titled Arrangements for Elderly Care in India and China on 12-13 March, 2019 at India International Centre. Organised by ICS, Delhi</p> <p>35. Reddy, Sunita, Lecture on ‘Medical Tourism: A public health perspective’ org. by UGC-Human Resource Development Centre, Jawaharlal Nehru University in the 110th Orientation Programme Wednesday, July 25th, 2018 from 03.45 pm to 05.15 pm. at the UGC-HRDC, JNU.</p> <p>36. Reddy, Sunita, Presented a paper on ‘Disasters and Community Resilience’ in International conference on "Sustainable Development Goals, Governance and Disasters" at Colombo from 6th-7th October 2018 at Colombo, SriLanka.</p> <p>37. Reddy, Sunita, Presented the report- Special Centre for Disaster Research and National Institute of Disaster Management invites you to attend report release on Kerala Floods titled "Governance and Legal Compliance" at Constitution Club of India on 26th October 2018.</p> <p>38. Reddy, Sunita, Presented a paper on ‘Gender and Reproduction’ in the International workshop “Gender and Religion” at the University of Würzburg, Germany. 18th November to 22nd November 2018.</p> <p>39. Reddy, Sunita, Presented paper on ‘Challenges of Health Care,</p>	
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		<p>Government Policy, and the Common Man' in National Workshop on 'Rural Distress in Contemporary India: Its Implications and Challenges' in Kumaon University, Nainital on 09 March, 2019.</p> <p>40. Reddy, Sunita, Lecture on 'Ethnography' at Ambedkar University Delhi (AUD), School of Liberal Studies and School of Human Ecology of the university in the 10 Day Ethnography Workshop in collaboration with Anthropological Survey of India, 16th March, 2019.</p> <p>41. Reddy, Sunita, LECTURED on "Paradigm shift in Health Care Policies: A case of Medical Tourism" one day National Seminar on "Health Policy Research: Current Scenario" on 15th March 2019, at Department of Anthropology, University of Delhi, Delhi.</p> <p>42. Guite N, Attended Workshop on China-India Medicine Cooperation held in Shanghai and Beijing, P.R. China from 11 to 20 August 2019.</p> <p>43. Ghodajkar P., Presented paper on 'Towards Re-Framing Operation Design for HFA 2.0: Factoring in Politics of Knowledge in Health Systems' in Medico Friends Circle, 45th Annual Meet, Sewagram Wardha. 8-10th February 2018.</p> <p>44. Ghodajkar P., Invited lecture on "Public Health & Rehabilitation Professionals" in Pt. Deendayal Upadhyaya National Institute for Persons with Physical Disabilities, New Delhi. 10th August 2018.</p> <p>45. Ghodajkar P. Organized a Workshop along with Dr. Rakhil Gaitonde in 14th World Congress on Bioethics on 'Factoring in the Politics of Knowledge – An Ethical Imperative' at St John's National Academy of Health Sciences, Bangalore. 5th December 2018.</p> <p>46. Ghodajkar P., Presented a paper on 'PHC, UHC and the Politics of Health: A Critical Holistic Approach Based on 40 Years' Experience' in 14th World congress on Bioethics at St John's National Academy of Health Sciences, Bangalore. 5th December 2018.</p> <p>47. Bajpai, Vikas, Participated as guest speaker in 'Clairvoyance 2018', National Conference Organized by 'School of Health Systems Studies, TISS Mumbai.</p>	

6.3.2 Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

School/ Centre	Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
Administration	2018-19	-	Financial Management, Record Management-RTI, Liaison Officer For SC/ST, MS-Excel, Noting & Drafting, Pension & Other Retirement Benefits, Administrative	Between 2018 to 2019	-	30+

			Vigilance Role of IO/PO, Pay Fixation, Goods and Services Tax, Good Governance, Establishment Rules-I, E-office Modules,			
CCUS& LAS, SIS			Meeting to elaborate/understand the new online payment & registration system	27.06.19		02
			Special training session specifically on use of Audio-Vedio Conferencing Tools, "How to use Skype, Webcasting and conduct net meeting"	30.07.2019		02

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)		
110 th Orientation Programme	40	23-07-2018	17-08-2018	4 Weeks
111 th Orientation Programme	55	08-10-2018	02-11-2018	4 Weeks
112 th Orientation Programme	50	04-02-2019	01-03-2019	4 Weeks
113 th Orientation Programme	54	05-03-2019	29-03-2019	4 Weeks
36 th Refresher Course in History	35	23-07-2018	17-08-2018	4 Weeks
16 th Refresher Course in Physical Science / Nano Science	33	27-08-2018	20-09-2018	4 Weeks
45 th Refresher Course in Political Science & Law/ Public Administration	43	27-08-2018	20-09-2018	4 Weeks
23 rd Refresher Course in Life Sciences & Biotechnology	43	08-10-2018	02-11-2018	4 Weeks
2 nd Refresher Course in Teacher Education	40	12-11-2018	07-12-2018	4 Weeks
1 st Refresher Course in Sanskrit	33	04-02-2019	01-03-2019	4 Weeks
1 st Refresher Course in E - Learning & E- Governance (IDC)	38	23-07-2018	17-08-2018	4 Weeks
2 nd Refresher Course in Environmental Studies (IDC)	54	12-11-2018	07-12-2018	4 Weeks
1 st Refresher Course in Language, Literature & Culture (IDC)	37	27-08-2018	20-09-2018	4 Weeks
5 th Refresher Course in Global Studies (IDC)	51	05-03-2019	29-03-2019	4 Weeks

5 th Refresher Course in Contemporary Studies (Natural Sciences, Environmental Sciences, Biological Sciences, Demography, Education.) (IDC)	40	31-12-2018	25-01-2019	4 Weeks
1 st Short Term Course in Disaster Management	52	17-12-2018	21-12-2018	1 Week
2 nd Short Term Course in Gender Sensitization	39	17-12-2018	21-12-2018	1 Week
1 st Workshop on MOOCs, e-content development and Open Educational Resources	35	18-03-2019	23-03-2019	1 Week

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
		As per recruitment rules	

6.3.5 Welfare schemes for

Teaching	
Non teaching	(a) All the welfare schemes of Government of India like Compassionate Appointment etc. have been implemented in the University. (b) OPD Facility for serving and retired employees of JNU at University Health Centre. Referral to CGHS approved Private Hospitals and Ambulance Service in case of emergency.
Students	

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies / individuals	Funds / Grants received in Rs.	Purpose
<u>SESNEI</u> - P.B. Acharya, Former Governor of Nagaland.	Rs. 5 Lakhs	NAMASTE Governor Acharya Award for Research Scholars from JNU who are pursuing research on North East India.

6.4.3 Total corpus fund generated:

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes / No	Agency	Yes / No	Authority
Academic				

Administrative	Yes	CAG	Yes	Internal Audit
6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)				
6.5.3 Activities and support from the Parent – Teacher Association (at least three)				
6.5.4 Development programmes for support staff (at least three)				
(a) Training/participation of staff in various Seminar/Training/Conference. (b) In-house capacity building programme for staff. (c) Hindi/English/computer training for staff. (d) Monthly departmental discussion of various new/amendments to Govt. Rules. (e) Refresher/Orientation courses for Group A staff. (f) Induction programme for new appointees.				
6.5.5 Post Accreditation initiative(s) (mention at least three)				
<ul style="list-style-type: none"> • EduGRP implementation Initiated • Campus wide wifi connection project initiated • Upgradation of Central Data Centre and JNU Private Cloud Project initiated 				
6.5.6				
a. Submission of Data for AISHE portal : (Yes /No) - Yes b. Participation in NIRF : (Yes /No) - Yes c. ISO Certification : (Yes /No) d. NBA or any other quality audit : (Yes /No)				
6.5.7 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
	Pease see Point 7.1 of Part – A			

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES						
7.1 Institutional Values and Social Responsibilities						
<u>IERB, JNU –</u>						
1. Generating awareness on good research as ethical research and vice versa.						
2. Training in responsible citizenship with social responsibility towards vulnerable and marginalized communities, environment ecology & nationhood.						
7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)						
Title of the programme	Period (from-to)	Participants				
		Female	Male			
1. Workshop on sexual harassment of women at workplace (Prevention, Prohibition and Redressal) Act 2013	22 nd November 2018	70 (Aprox.)	90 Aprox.)			
2. International Women’s Day	08 th March 2019	100 (Aprox.)	150 (Aprox.)			
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:						
Percentage of power requirement of the University met by the renewable energy sources						
7.1.3 Differently abled (Divyangjan) friendliness						
Items Facilities	Yes/No	No. of Beneficiaries				
Physical facilities	Yes					
Provision for lift	Yes					
Ramp/ Rails	Yes					
Braille Software/facilities	Yes					
Rest Rooms	-					
Scribes for examination	Yes					
Special skill development for differently abled students	Yes					
Any other similar facility						
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics					
IERB JNU –					
1. Respect for human autonomy within non-maleficence & beneficence framework for research. Research should be scientific by true, non-biased and non-ideological declaration.					
2. Awareness on right collaborations, foreign funding and appropriate skill sets.					
Code of conduct (handbooks) for various stakeholders					
Title	Date of Publication	Follow up (maximum 100 words each)			
Preparing with experience IERB Members	To be published	-			
7.1.6 Activities conducted for promotion of universal Values and Ethics					
Activity	Duration (from-----to-----)	Number of participants			
Teachers Day Annual lecture by Padma Bhushan Dr. Shiv Kumar Sarin, Director ILBS on " <i>Bethikalism: a journey a core in all 'isms' !</i> " on 5th September, 2018 from 3:00p.m to 5:00p.m at Audi II, Convention Hall, JNU. The 200 number of participants attend this workshop. The Welcome address by Hon'ble Vice Chancellor of Jawaharlal Nehru University, Prof. M. Jagadesh Kumar and Chief guest Hon'ble Chancellor Prof. V. K. Sarastwat inaugural ceremony and The opening session was Chaired by Prof. Dr. Shiv K. Sarin, Chairperson, IERB & Director of Institute of Liver and Biliary Sciences. The experts and panellists of IERB, from JNU and outside who spoke included Prof. SC Malik, Prof. Madhuri Behari, Prof. Vaishna Narang, Prof. Ravinder Gargesh, Dr. Sushil Kumar Jha, Dr. Paul Raj, Dr. Madhav Govind, Dr. P. K. Gulati, Advocate Omika Dubey, and Advocate Rukhsana Chaoudhary. Monograph writing also include in this session and Prize distribute by Hon'ble Chancellor Prof. V.K. Saraswat.	on 5th September, 2018 from 3:00p.m to 5:00p.m at Audi II	200 Participants			
Instituted Ethics Review Board, JNU is organizing a one day workshop on "Ethics in Research" at Convention Centre, JNU on 20th December 2018. Interactive session with the participants of UGC-HRDC faculty development	<u>One day Conference</u> The Events had the following insightful critically analyzed sessions;	250			

<p>programme on <u>New ICMR Guidelines and Social Science Challenges</u> at 11.45 a.m. to 5:00 p.m. on 20th December at Convention Centre, JNU. The 250 number of participants attend this workshop.</p>	<p>Session 1:“Ethics in Research” Debating Ethics in Disciplinary Research Session 2: “New ICMR Guidelines & Social Sciences challenges Session 3: How to be Ethical in Writing, Publishing and Research Interactive Session Padma Bhushan Prof. Shiv K. Sarin, Chairperson, IERB & Director, ILBS Prof. V.K. Malhotra, Member Secretary, ICSSR Dr. K.P. Gangulee, Scientist, ICMR Dr. Suman Sharma, Principal, LSR Session 4:”Ethical Issues in Excessive Data Drive, Big Data Based Research” Panelists: Prof. T. Vijay Kumar & Dr. Sanjeev Kumar CIS/JNU</p>	

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Initiated a landmark green project on campus and introduced E-Rickshaw Service to facilitate eco-friendly mobility for commuters on the campus to reduced pollution and congestion in the campus, and to discourage people from using motorized vehicles within the campus. To promote women entrepreneurship and gender friendly ambience in the campus in the coming months, all E-Rickshaws will be driven by female drivers.
- Inaugurated app-based Campus Bicycle Sharing Scheme in JNU on 2 October, 2018. This is a most lucrative, cost effective and student friendly scheme to promote health and eco-friendly movement in the campus.
- Decided to install statue of Swami Vivekananda at an appropriate location in the campus.
- Installed 100 KWp rooftop solar photovoltaic power plant at the roof top of the administration building (50 KWp) and at the School of Social Sciences-III (50 KWp). The 100 KWp solar power plant shall generate 400-450 units of green power daily for about 300 days in a year. Total annual green power generation is projected to be around 1.2 to 1.5 lakhs units. Work in other academic buildings is to be initiated shortly.
- Higher Education Financing Agency (HEFA) is a joint venture company of Canara Bank and Ministry of Human Resource Development Govt. HEFA provides financial assistance for creation of educational infrastructure and R&D in India’s premier educational Institutions. JNU has applied for funds under this Scheme to build infrastructure and other major facilities. The Scheme has been endorsed by the Finance Committee and the Executive Council.

7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

- 1. The JNUs Digital Tracking System (DTS)**, a fully automated in-house software is prepared. The software uses 20 step work flow assuring speedy evaluation by the external and internal referee for thesis / dissertation. The software also helps segregates task in three categories (a) Plagiarism

check / similarity index qualified staff copy of the dissertation / thesis to be submitted alongwith the list of potential external examiners by the centre/school. (b) Choice of the evaluators from the provided list and obtaining the evaluation report alongwith recommendation within three months by certifying evaluators as an authorised / registered examiner of JNU DTS. (c) Forwarding the recommendations and detailed report to the centre/school to get the final result on the research for the degree as to M.Tech/M.Phil/Ph.D.

The software based evaluation stands unique because this imparts complete unanimity and full transparency by maintaining data and time wise records of various steps, take up accessed either as a soft form or printed and maintained in the system copy file form. This is expected not just to reduce the evaluation time but transform the process of thesis/dissertation evaluation with positive impact on the academic progression.

2. **JNU has started Skype based thesis open defence viva-voce.** Certainly this best practice has brought positive influence and reduces delay that was to some extent link on the date of viva-voce examination. Since examiners has to log on to his/her skype account and can see actual presentation of the examinee and at the same time address the concerned queries, listen to the answers given by the examinee alongwith the body language, which is also witnessed by the audience making it a complete viva-voce examination. However, the planning towards finding the time travelling and other aspects are not the requirements and helps therefore to accomplish viva-voce in a speedy manner.
3. **Devised Online Application Form:** Online application form for teacher recruitment the post of Assistant Professor and Professor was developed. The software features on dash board that every desirous applicant unless completes the minimum essential qualification prescribed by the UGC will not be able to access the complete application form for the above post. This has reduced incomplete applications and applications which may have inaccurate information to be filled in the essential criteria. The online screening procedure is also integrated within this form as a separate task. Essentially a numerical summary of various fields those are to be used for calculation of academic / research score is combined herewith. The summary sheet at a glance helps the screening committee at centre / school to have an idea about the research / academic credential of the applicant and thereby assist committee to come to a consensus as to shortlist or reject the applicant.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the weblink of the institution in not more than 500 words

The uniqueness of JNU is evident from its basic philosophy, policies and programmes which are spelt out and embodied in the University Act. Accordingly, the University has always striven to evolve such policies and programmes of study as would be a qualitative and distinct addition to the national resource base in higher education instead of reflecting mere quantitative expansions of the existing facilities. The University thus has been concentrating on programmes that are of relevance to national progress and development. In this regard, the University has taken the following initiatives:

A conscious effort has been made to promote ideas of national integration, secularism, scientific outlook, cosmopolitan and humanistic approach towards life.

The national character of the University has been maintained by selecting students and faculty from all regions of the country.

An interdisciplinary approach to teaching and research has been promoted in recognition of the fact that knowledge is indivisible and, accordingly, a structure of Schools and Centres of teaching has been established.

The emphasis on teaching and research in non-conventional areas has ensured that duplication of facilities available in other universities is avoided as far as possible.

Care has been taken to establish a model School of Language Teaching and Research in Indian as well as foreign languages with well-equipped language laboratories and Centres, where the study of the literature, culture and civilization of the countries concerned becomes feasible and effective.

A system has been evolved whereby main academic decisions, such as the courses to be taught, their content and the methods of evaluation, are taken by the teachers themselves.

Admissions are made entirely on merit through an open all-India Entrance Examination, held at 80

centres across the country.

There is a liberal provision for merit-cum-means scholarships/fellowships. Students as well as faculty members are provided with financial support to undertake field trips in connection with their research both within the country and abroad.

Participation in exchange programmes with universities/institutes abroad is encouraged to promote international understanding. The University has signed Memoranda of Understanding with a large number of foreign universities and institutions.

A Grievance Redressal Committee has been set up to promote cordial relations between the students and the University administration.

The University has been organising successfully the combined Biotechnology Entrance Examination for admission to M.Sc. in Biotechnology, M.Sc. in Agriculture Biotechnology, M.V.Sc. (Animal) Biotechnology and M.Tech. programme in Biotechnology of 52 participating universities for a number of years. This entrance examination is conducted all over the country alongwith JNUEE.

8. Future Plans of action for next academic year (500 words)

1. To conduct the programme on Research Ethics and the Academic Integrity in the light of UGC CARE Activity.
2. Invite the experts and arrange interactions with the JNU teacher, students on the aspect of fine tuning curriculum wherever required with emphasis on learning outcomes in addition to general and subject specific / course specific competencies.
3. To Enhance the Research Outcome: A year long activity including general and specific awareness among the research students and teachers to publish in high reputed research journals, this is to enhance visibility of research outcome and make it more accessible to the global community.
4. Expedite thesis evaluation process to assure viva-voce are accomplished at the earliest possible.

School / Centre wise details are placed below:

SCIS: The centre aims to focus heavily on data-driven sciences with the purpose of software and tools that can be developed together with industry and that can be commercialized over time. Machine learning, big data analytics, artificial intelligence and genomics level software solutions will be a major focus.

SES: Development of low cost adsorbents for aqueous arsenic and pharmaceuticals remediation. Sources, transport, transformation, dispersion and different processes of pollutants in the environments (also initiated).

SIS: Committed to upholding highest standards of research, the Faculty are updating their lectures by incorporating the use of latest acquired knowledge/technology such as the use of software programmes to make it more interesting. Plans to organize National / International Conferences on relevant themes and invite high ranking officials, experts and policy makers to interact with students and faculty. To build research networks with universities of the global south and hold workshops in building research capacity in the region. The Centre has plans to input more audio-visual elements in teaching and research.

SLL&CS: Further exchanges of students and faculty would be encouraged to ensure free flow of ideas and develop new research interests. The Centre is also working towards developing MOOCs for MHRD and UGC, as well as, have another lot of MOOC courses for JNU also. We see the further strengthening of our research programmes as an important priority. Our plans include (a) strengthening the dissertation component through the introduction of courses and training modules in research methods and academic writing, (b) organizing research workshops at regular intervals to introduce them to new areas and methods of research, and (c) creating a forum for regular presentations by PhD students to peers and faculty on their work in progress. This will give them valuable feedback and also allow them to share their work. To promote

interdisciplinary research in collaboration with other departments in the University and outside. To promote intercultural studies.

SPS: The work culture is truly collaborative and interdisciplinary in nature. To strengthen these existing academic programs, the immediate future plan would be to fill-up all the vacant faculty positions with researchers working in a wide variety of areas in these three subjects. More instruments will be arranged for M.Sc. laboratories. Focus will be paid to apply for collective research proposals.

SSS: Centre plans to further strengthen its teaching and research programmes. centre has been recognised as a Centre for Advanced Studies by the UGC under its SAP/DSA scheme. It is important to forge ties with other universities to facilitate programmes of research collaboration and faculty/student exchange. To initiate collaboration with other University and trade unionist. To initiate internship programs for students.

SCMM: Our faculties are excelling in the different area of research and all of us collaborating with different research institutions and hospitals in the area of several major human diseases such as malaria, cancer, AIDS, Tuberculosis, Gastritis.

SCNS: More instruments will be arranged for M.Tech & Ph.D. laboratories for students. Research proposals as well as to submit the proposals to organize the seminars/conferences of national and international level aiming to strengthen the academic programs, Internships programs and to establish the collaborative research programs in Centre.

SCSNEI: Developing the Centre into a Centre of Excellence and Resource Hub. SCSNEI seeks to explore and engage with scholars and institutions working on North East India and its neighbouring areas.

Name: Prof. Arun S. Kharat



Signature of the Coordinator, IQAC

Name: Prof. M. Jagadesh Kumar



Signature of the Chairperson, IQAC

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

School of Social Sciences (SSS)
Centre for Economic Studies and Planning (CESP)
Centre for Historical Studies (CHS)
Centre for Informal Sector & Labour Studies (CISLS)
Centre for Media Studies (CMS)
Centre for Philosophy (CP)
Centre for Political Studies (CPS)
Centre of Social Medicine & Community Health (CSMCH)
Centre for Studies in Science Policy (CSSP)
Centre for the Study of Discrimination and Exclusion (CSDE)
Centre for the Study of Regional Development (CSRD)
Centre for the Study of Social System (CSSS)
Centre for Women's Studies (CWS)
Zakir Husain Centre for Educational Studies (ZHCES)
School of International Studies (SIS)
Centre for African Studies (CAS)
Centre for Canadian, US and Latin American Studies (CCUS&LAS)
Centre for Comparative Politics & Political Theory (CCPPT)
Centre for East Asian Studies (CEAS)
Centre for European Studies (CES)
Centre for Indo-Pacific Studies (CIPS)
Centre for Inner Asian Studies (CIAS)
Centre for International Legal Studies (CILS)
Centre for International Politics, Organisation and Disarmament (CIPOD)
Centre for International Trade and Development (CITD)
Centre for Russian & Central Asian Studies (CRCAS)
Centre for South Asian Studies (CSAS)
Centre for West Asian Studies (CWAS)
School of Language, Literature and Culture Studies (SLL&CS)
Centre for Arabic & African Studies (CAAS)
Centre for Chinese & South East Asian Studies (CCSAS)
Centre for English Studies (CES)
Centre for French & Francophone Studies (CFFS)
Centre for German Studies (CGS)
Centre for Indian Languages (CIL)
Centre for Japanese Studies (CJS)
Centre for Korean Studies (CKS)

Centre for Linguistics (CL)
Centre for Persian & Central Asian Studies (CPCAS)
Centre for Russian studies (CRS)
Centre for Spanish, Portuguese Italian & Latin American Studies (CSPILAS)
School of Arts & Aesthetics (SAA)
School of Biotechnology (SBT)
School of Computational & Integrative Sciences (SCIS)
School of Computer and Systems Sciences (SCSS)
School of Environmental Sciences (SES)
School of Life Sciences (SLS)
School of Physical Sciences (SPS)
Special Centre for Molecular Medicine (SCMM)
Special Centre for Nano Sciences (SCNS)
Special Centre for the Study of Law & Governance (SCSLG)
School of Sanskrit and Indic Studies (SCSS)
School of Engineering (SE)
School of Management & Entrepreneurship (SM&E)
Special Centre for Disaster Research (SCDR)
Special Centre for E-Learning (SCEL)
Special Centre for the Study of North East India (SCSNEI)

For Communication with NAAC

The Director

National Assessment and Accreditation Council (NAAC)

(An Autonomous Institution of the University Grants Commission)

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Faculty Publications

School of Arts and Aesthetics

Journal/ Research Articles: (21)

- **Ahuja, Naman P.**, Article: 'Indian Roots for a Universal Idiom', in *Mrinalini Mukherjee*, New York: Metropolitan Museum of Art and the Shoestring Publisher, Mumbai, 2019. ISBN 9788190472098
- **Ahuja, Naman P.**, Article: 'Rumour has it... The Case of Chandraketurgarh', in *Art: Faked, Stolen, Censored, Marg*, Vol. 69. No. 3, Mumbai: Marg Publications, March – June, 2018. ISSN: 0972-1444
- **Ahuja, Naman P.**, Article: 'A Responsibility for Protecting Erotica', in *Art: Faked, Stolen, Censored, Marg*, Vol. 69. No. 3, Mumbai: Marg Publications, March – June, 2018. ISSN: 0972-1444
- **Ahuja, Naman P.**, Article: 'Rudolph Ray in Almora' in *The Draw of the Hills, Marg*, Vol. 69, No. 4, Mumbai: Marg Publications, June – September, 2018. ISSN: 0972-1444
- **Ahuja, Naman P.**, Article: 'Craft as an Ideal', in *Indian Ceramics: History and Practice, Marg*, Vol. 69, No. 2, December, 2017 – March, 2018. ISSN: 0972-1444
- **Bhaumik, Kaushik**, 'Emergence lab/history as cinema-in-the-museum: The *Tah Satah* exhibition, Japipur, January– March, 2017', *Moving Image Review and Art Journal*, v.7, no.2, 2018, pp.312-322. (ISSN: 2045-6298)
- **Choudhury, Soumyabrata**, "The Ambiguous Debt of Counter-revolution to Revolution: Reply to a Vigilant Melancholic" *Cultural Critique*, Winter 2018, eds. Cesare Casarino, Simona Sawhney & John Mowitt, at Minnesota, USA, pp. 293-319, June, 2018
- **Hariharan, Veena**, 'Death by Water, Environmental Documentaries, A Brief Overview" in *Marg*, Volume 70, Number1, September, 2018. ISSN: 0972-1444
- **Mazumdar, Ranjani**, "Teaching Media against the Global Right" in Priya Jaikumar and Kay Dickinson ed. *Cinema Journal Teaching Dossier*, Vol.5 (1) August, 2018
- **Mukherji, P. D.**, Reviewed the recent Kochi Biennale entitled "A-Gender of Kochi Biennale"; appeared in online art journal, *Critical Collective*, March, 2019
- **Mukherji, P. D.**, Reviewed N. Pushpamala's Exhibition *Body Politic* at Nature Morte entitled "Mimesis as Nemesis? Pushpamala's Funambulist Body Politic"; appeared in an online art journal, *Critical Collective*, February, 2019
- **Mukherji, P. D.**, Reviewed Geeta Kapur's *Aesthetic Bind: 50 Years of Contemporary Art*, (Mumbai: Gallery Chemould, 2018, 327 pages.); appeared in an online art journal, *Critical Collective*, January, 2019
- **Narain, Suryanandini**, 'The Family Intact: the experience of posing for a portrait' for the peer reviewed online journal *Trans Asia Photography Review* ed. Deepali Dewan (Volume 9, Issue 1 titled *Family Photographs*, 2018)
- **Narain, Suryanandini**, Book Review: *India and its Visual Cultures: Community, Class and Gender in a Symbolic Landscape* Ed: Uwe Skoda and Birgit Lettmann, Sage, 2018 for the *Economic and Political Weekly* (Vol LIII No 51.29 December, 2019)
- **Parameswaran, Ameet**, 'Polyrhythmia and Circus-Theatre in the Contemporary: Notes on Talatum' in *MARG* 'Staging Change: Theatre in India', Volume 70, Number 3, December, 2018 – March, 2019
- **Sarkar Munsif, Urmimala**, "Locating Draupadi in the Poetics and Politics of Performance in Contemporary India", in *Indent: The Body and the Performative*, Issue 1, 19 November, 2018. <https://www.indent.in/issue-1/draupadipoeticspolitics>
- **Sarkar Munsif, Urmimala**, "Locating Draupadi in the Poetics & Politics of Contemporary India", Translation into Turkish as: "Dans Ve Duygusal Etki: Hindistan' Da Şiddet Yaşamış Yetişkin Gençlerin Ruhlarıyla Bedenlerini Yeniden İlişkilendirme1 (Translation/ Çeviren: Öykü Tümer), in *Kültür ve Siyasette Feminist Yaklaşımlar*, Volume/ Sayı 36 (Year/ Ekim 2018) <http://www.feministyaklasimlar.org/ozet/?postid=3248>
- **Sarkar Munsif, Urmimala**, "Locating Draupadi in the Poetics and Politics of Contemporary India", Translation in Korean, in *The Journal of Society for Dance Documentation and History*, Vol. 3. No. 52. <https://doi.org/10.26861/sddh.2019.52.9>, March, 2019
- **Sarkar Munsif, Urmimala**, Guest Editor. *Eastern Quarterly* – Vol. 12, Issues I and II, Spring & Monsoon 2016. (Published in March, 2019), ISSN 09754962.
- **Sarkar Munsif, Urmimala**, Editor, *Journal for Emerging Dance Scholarship (JEDS)*, Vol. 6. <https://www.jedsonline.net/>. ISSN 2309-267X, December, 2018
- **Singh, Kavita**, 'Scent Upon a Southern Breeze: the Synaesthetic Arts of the Deccan, An Introduction.' In the *Marg* volume of the same name, September, 2018

Books: (04)

- **Ahuja, Naman P.**, *Art and Archaeology of Ancient India: Earliest Times to the Sixth Century*, Oxford: Ashmolean, 2018, ISBN: 9781910807170
- **Choudhury, Soumyabrata**, *Ambedkar and other Immortals: An Untouchable Research Programme*, Navayana, Delhi, 2018
- **Datta, Partho** (ed.), *Urban Spaces in Modern India*, Shimla: Indian Institute of Advanced Studies, November, 2018, Co-editor Narayani Gupta
- **Singh, Kavita** (ed.), *Scent Upon a Southern Breeze: The Synaesthetic Arts of the Deccan*, Marg Publications, Mumbai, September, 2018

Chapters in Books: (06)

- **Ahuja, Naman P.**, Article: "The Dead, Dying and Post-death: Visual Exemplars and Iconographic Devices", in Günter Blumberger and Sudhir Kakar (eds.), *Imaginations of Death and the Beyond in India and Europe*, Springer: Singapore, 2018, ISBN: 978981-10-6707-5
- **Choudhury, Soumyabrata**, "I love you": A musical utterance or a flat one? In *Love and Politics*, eds. Evgenia Giannopoulou / Hannes Schumacher. Freigeist Verlag, Berlin, October, 2018
- **Mukherji, P. D.**, "Mimicking Anthropologists: Re-membling a Photo Archive via Pata Paintings, Performative Mimesis, and Photo Performance", in *Intersections of Contemporary Art, Anthropology and Art History: Decoding Visual Worlds* edited by Sasanka Perera and Dev Nath Pathak, Palgrave MacMillan, March, 2019
- **Prakash, Brahma**, "'Dangerous' Corporealities of Labouring Bodies," in Marina Grzanic and Aneta Stojnic (eds) *Shifting Corporealities in Contemporary Performance: Danger, Im/mobility and Politics*, New York: Palgrave Macmillan, 2018. ISBN: 9783319783420
- **Sarkar Munsii, Urmimala**, "Processing Vulnerability, Trauma and Recovery for Women Victims: Rehabilitation through Tools from Performance" in *Gendered Citizenship: Manifestation and Performance*, J. Reinelt, B. Dutt, S. Sahai (Eds.), Orient Blackswan Private Limited, Delhi, April, 2018
- **Sarkar Munsii, Urmimala**, "Nritya o Manb Samaj", in *Samaj-ruchir tanaporen- ey kala-samskriti (Performing Arts in the Process of Changing Times)*, *The Kalyan Memorial Lectures 5 – 7, 2015 – 2017*. Thema: 2018. ISBN 978-93- 81703-68-7, Published, July, 2018

Media Articles (Newspapers and non-technical magazines): (11)

- **Ahuja, Naman P.**, 'The Pandit Studio: another Indian modern', in exhibition catalogue, Shape of Things: The ceramics of BR Pandit and Abhay Pandit, Delhi: Art Heritage Foundation, November, 2018
- **Ahuja, Naman P.**, Article: 'Kintsukuroi', in exhibition catalogue, Ali Kazim, The Asia Pacific Triennial of Contemporary Art (APT) (Australia) / Mumbai: Jhaveri Contemporary, 2018
- **Choudhury, Soumyabrata**, "From communal deadlock to a communal emergency", Indian Cultural Forum <https://indianculturalforum.in/>
- **Datta, Partho**, Book review of Mathur, Asha Rani, *Nilina's Song: The Life of Naina Devi*, Delhi: Niyogi Books, 2019 <https://thebookreviewindia.org/from-nina-to-naina/>
- **Hariharan, Veena**, "Interview with Lijo Jose Pellissery", *Open Magazine*, 19 April, 2019.
- **Mazumdar, Ranjani**, "Terrorism, Conspiracy and Surveillance in Bombay's Urban Cinema" re-published in *Critical Collective*, March, 2019
- **Prakash, Brahma**, This is the Kabir That Modi Cannot appropriate for Electoral Gain, *The Wire*, 20 August, 2018. <https://thewire.in/politics/kabir-kamal-and-kashi-straightening-the-queer>
- **Prakash, Brahma**, When Kumbhipatua Rebels Attacked the Jagannath Temple in Puri, *The Wire*, 18 July, 2018. <https://thewire.in/caste/when-kumbhipatua-rebels-attacked-the-jagannath-temple-in-puri>
- **Prakash, Brahma**, Gaddar: Our own Bob Dylan India hasn't heard of, *The Daily'O*, 28 June, 2018. <https://www.dailyo.in/variety/gaddar-mf-hussain-amy-winehouse-court-rebellion-dissent-poetry-urban-naxals/story/1/25161.htm>

271

- **Sarkar Munsii, Urmimala**, "Boner and Shankar: A Cross-cultural Creative Dialogue Through Art and Dance", in Sahapedia, 2018. <https://www.sahapedia.org/boner-and-shankar-cross-cultural-creative-dialogue-through-art-anddance>
- **Singh, Kavita**, 'Krishna wasn't pointing at Eid moon. He was pointing at a solar eclipse.' Scroll.in, 20 June, 2018

School of Biotechnology

Journal/Research Articles: (48)

- Kumar N , Aditi Singh, Sonam Grover, Anchala Kumari, **Dhar PK.**, Ramesh Chandra, Abhinav Grover. HHV-5 epitope: a potential vaccine candidate with high antigenicity and large coverage. *Journal of Biomolecular Structure and Dynamics* 37 (8): 2098-2109. (2018)
- HYPO: A Database of Human Hypothetical Proteins, Sundararajan V.S., Malik G., Ijaq J, Kumar A., Das P.S., P.R.S., Nair A.S., **Dhar P.K.**, Suravajhala P., *Protein Pept Lett.* 25(8):799-803.(2018)
- Mohan, S., Rangappa, S., Fuchs, J.E., Bender, A. and **Bhatnagar, R.**, Sulfated ceria catalyzed synthesis of imidazopyridines and their implementation as DNA minor groove binders. *Chem. biodivers.* doi:10.1002/cbdv.201800435, (2019)
- Malik, A., Gupta, M., Mani, R. and **Bhatnagar, R.**, Single dose Ag85B-ESAT-6 loaded PLGA nanoparticles confer protective immunity against tuberculosis. *Int. J. Nanomedicine* 14: 3129 – 3143, (2019)
- Majumder, S., Das, S., Somani, V., Makam, S.S., Kingston, J.J. and **Bhatnagar, R.**, A bivalent protein r-PAbxpB comprising PA domain IV and exosporium protein BxpB confers protection against *B. anthracis* spores and toxin *Front. Immunol.* DOI: 10.3389/fimmu.2019.00498, (2019)
- Aggarwal, S., Somani, V., Gupta, S., Garg, R. and **Bhatnagar, R.**, Development of a novel multiepitope chimeric vaccine against anthrax, *Med. Micro, Immunology*, DOI: 10.1007/s00430-019-00577-x, (2019)
- Kandari, D., Gopalani, M., Gupta, M., Joshi, H. and **Bhatnagar, R.**, Identification, Functional Characterization, and Regulon Prediction of the Zinc Uptake Regulator (zur) of *Bacillus anthracis* – An Insight Into the Zinc Homeostasis of the Pathogen. *Front. Microbiol.* DOI: 10.3389/fmicb.2018.03314, (2019)
- Nayak, P.S., Boorah, S.M., Gogoi, H., Asthana, S., **Bhatnagar, R.**, Jha, A.N. and Jha, S., Lactoferrin adsorption onto silver nanoparticle interfaces: Implications of corona on protein conformation, nanoparticle cytotoxicity and the formulation adjuvanticity. *J. Chem. Engg.* DOI: 10.1016/j.cej. 2018. 12. 084, (2019)
- Singh, D., Rahi, A., Kumari, R., Gupta, V., Gautam, G., Aggarwal, S., Rehan, M. and **Bhatnagar, R.**, Computational and mutational analysis of TatDDNase of *Bacillus anthracis*. *J. Cell Biochem.* DOI: 10.1002/jcb.28408, (2019)
- Mani, R., Gupta M., Malik A, Tandon R, Prasad R, **Bhatnagar R.**, Banerjee, N., Adjuvant Potential of Poly- α -Lglutamine from Cell Wall of *Mycobacterium tuberculosis*. *Infect Immun.* Doi: 10.1128/IAI.00537-18, (2018)
- Kant, N., Kulshreshtha, P., Singh, R., Mal, A., Dwivedi, A., Ahuja, R., Mehra, R., Tehlan, M., Ahmed, P., Kaushik, S., Shipra, Kumar, S., Mohammed, A., Shukla, S., Singh, D. and **Bhatnagar, R.**, A study to identify the practices of the buffalo keepers which inadvertently lead to the spread of brucellosis in Delhi. *BMC Veterinary Research* 14(1) DOI: 10.1186/s12917-018-1670-2, (2018)
- Malik, A. and **Bhatnagar, R.**, Novel application of Trimethyl chitosan as an adjuvant in vaccine delivery. *Int. J. Nanomedicine* 13 : 7959 – 7970, (2018)
- Majumder, S., Das, S., Somani, V., Makam, S.S., Kingston, J. J., **Bhatnagar, R.**, A bivalent protein r-PB, comprising PA and Bcl Aimmunodominant regions for comprehensive protection against *Bacillus anthracis*. *Scientific Reports.* 8:7242, (2018)
- Jasvir Kaur, Neetu Yadav, Moirangthem Singh, Mohd Jahir Khan, Sobhan Sen, **Dixit Aparna**, Devapriya Choudhury, Role of Ser65, His148 and Thr203 in the organic solvent dependent spectral shift in Green fluorescent protein. *J. Photochem. Photobiol. B.*, 95:543-555. doi: 10.1111/php.13018. Epub 25 October, 2018, (2019)
- Verma, R., **Balaji, B. S.**, **Dixit, Aparna**, Phytochemical analysis and broad spectrum antimicrobial activity of ethanolic extract of *Jasminum mesnyi* Hance leaves and its solvent -partitioned fractions. *Bioinformation* 14: 430- 439, (2018)
- Yadav, S.K., Dash, Sahoo, P.K. Garg, L.C., **Dixit, Aparna**, Modulation of immune response and protective efficacy of recombinant outer-membrane protein F (rOmpF) of *Aeromonas hydrophila* in *Labeo rohita*. *Fish Shellfish Immunol.* 80,563-572, (2018)
- Kaushik, H., **Dixit Aparna**, Garg, L.C., Synthesis of peptide based epsilon toxin vaccine by covalent anchoring to tetanus toxoid. *Anaerobe* 53:50-55. DOI: 10.1016/j.anaerobe.2018.06.008, (2018)
- Roy , S, **Bhat, R.**, Suppression, Disaggregation, and Modulation of γ -Synuclein Fibrillation Pathway by Green Tea Polyphenol EGCG, *Protein Sci.*, 2019, 28(2): 382-402.
- S. Roy and **Bhat, R.**, Effect of polyols on the structure and aggregation of recombinant human γ -Synuclein, an intrinsically disordered protein, *Biochim. Biophys. Acta, Proteins Proteomics*, 2018, 1866(10): 1029-1042.

- M. K. Jain, P. Singh, S. Roy, and **Bhat R.**, Comparative analysis of the conformation, aggregation, interaction, and fibril morphologies of human α , β , and γ synuclein proteins, *Biochemistry*, 57(26): 3830-3848. (2018)
- Khushdeep Bandesh, Gauri Prasad, Anil K. Giri, Yasmin Kauser, Medha Upadhyay, INDICO, Analabha Basu, Nikhil Tandon & **Bharadwaj Dwaipayan**, Genome-Wide Association Study of blood lipids in Indians confirms universality of established variants. *J. Hum. Gen.* March 25. doi: 10.1038/s10038-019-0591-7. [Epub ahead of print] (2019)
- Khushdeep Bandesh, Punam Jha, Anil K. Giri, Raman K. Marwaha, INDICO, Vinod Scaria, Nikhil Tandon & **Bharadwaj Dwaipayan**, Normative range of blood biochemical parameters in urban Indian school-going adolescents. *PLOS ONE* 14(3):e0213255. doi: 10.1371/journal.pone.0213255. eCollection, 2019
- Gauri Prasad, Anil K Giri, INDICO, Analabha Basu, Nikhil Tandon & **Bharadwaj Dwaipayan**, Genome-wide association study for C-reactive protein in Indians replicates known associations of common variants. *J. Genetics*, 98(1). pii: 10, (2019)
- Khushdeep Bandesh, Gauri Prasad, Anil Kumar Giri, V. Saroja Voruganti, Nancy F. Butte, Shelley A. Cole, Anthony G. Comuzzie, INDICO Consortium, Nikhil Tandon & **Bharadwaj Dwaipayan**, Genome-wide association study of C-peptide surfaces key regulatory genes in Indians. *J. Genetics*, 98(1). pii: 2, (2019)
- Carlota Dobaño, Rebeca Santano, Marta Vidal, Alfons Jiménez, Chenjerai Jairoce, Itziar Ubillos, David Dosoo, Ruth Aguilar, Nana Aba Williams, Nùria Díez-Padrís, Aintzane Ayestaran, Clarissa Valim, Kwaku Poku Asante, Seth Owusu-Agyei, David Lanar, Virander Chauhan, Chetan Chitnis, Sheetij Dutta, Evelina Angov, Benoit Gamain, Ross L. Coppel, James G. Beeson, Linda Reiling, **Gaur D.**, David Cavanagh, Ben Gyan, Augusto J. Nhabomba, Joseph J. Campo and Gemma Moncunill, Differential Patterns of IgG Subclass Responses to *Plasmodium falciparum* Antigens in Relation to Malaria Protection and RTS,S Vaccination. *Frontiers in Immunology*, published: 15 March, 2019 Volume 10 | Article 439 doi: 10.3389/fimmu.2019.00439
- Ubillos, I., Aguilar, R., Sanz H., Jiménez, A., Vidal, M., Valmaseda, A, Dong, Y., **Gaur...**, Chitnis, C.E., Dutta S., Angov, E., Aponte J.J., Campo JJ, Valim C, Harezlak J, Dobaño C., Analysis of factors affecting the variability of a quantitative suspension bead array assay measuring IgG to multiple Plasmodium antigens. *PLoS One*, 2 July, 2018; 13(7): e0199278.
- Ubillos I., Jiménez, A., Vidal, M., Bowyer, P.W., **Gaur, D.**, Dutta, S., Gamain, B., Coppel, R., Chauhan V., Lanar, D., Chitnis, C., Angov, E., Beeson, J., Cavanagh, D., Campo, J.J, Aguilar, R., Dobaño, C., Optimization of incubation conditions of Plasmodium falciparum antibody multiplex assays to measure IgG, IgG1-4, IgM and IgE using standard and customized reference pools for sero-epidemiological and vaccine studies. *Malaria Journal*, 1 June, 17(1):219. (2018)
- Mishra N., Reddy, K.S., Timilsina, U., **Gaur, D.**, Gaur, R., Human APOBEC3B interacts with the heterogenous nuclear ribonucleoprotein A3 in cancer cells. *Journal of Cellular Biochemistry*, August, 119(8):6695-6703.(2018)
- Shailendra Yadav, Arvind Kumar, Manish Gupta and **Maitra, S. S.**, Cross-reactivity of Prokaryotic 16S rDNASpecific Primers to Eukaryotic DNA: Mistaken microbial community profiling in environmental samples *Current Microbiology*, Vol.75: pp.1038–104, online 2 April, 2018, doi.org/10.1007/s00284-018-1482-4
- R. Tumdam, A. Kumar, N. Subbarao, **Balaji, B.S.**, In Silico Study Directed Towards Identification of Novel High Affinity Inhibitors Targeting An Oncogenic Protein: BRD4-BD1, SAR and QSAR in *Environmental Research*, Vol.29, 975-996(2018).
- **Balaji B. S.**, and Neha Dalal, An Expedient and Rapid Green Chemical Synthesis of N-Chloroacetanilides and Amides Using Acid Chlorides Under Metal free Neutral Conditions, *Green Chemistry Letters and Reviews*, Vol.11, 552-558.(2018)
- **Balaji, B. S.**, and Neha Dalal, An Expedient, Chemoselective N-chloroacetylation of Aminoalcohols Under Metal Free Bio-compatible Conditions, *Green Chemistry Letters and Reviews*, Vol.11, 534-543.(2018)
- Devi, S., Yadav, R., Chanana, P. and **Arya, R.**, Fighting the cause of Alzheimer's and GNE Myopathy. *Frontiers in Neurosciences*, Section: Neurodegeneration DOI: 10.3389/fnins.2018.00669, (2018)
- Singh, R., Choudhary, P and **Arya, R***, Role of IGF-1 in ameliorating apoptosis of GNE deficient cells, *Sci. Rep.* doi.10.1038/s41598-018-25510-9, (2018)
- Lal G., **Rajala M.S.**, Combination of oncolytic measles virus armed with BNiP3, a pro-apoptotic gene and paclitaxel induces breast cancer cell death. 2018. *Front. Oncol.* 8:676, doi: 10.3389/fonc.2018.00676.
- Das, M. and **Grover, A***, Fermentation optimization and mathematical modeling of glycerol-based microbial poly(3-hydroxybutyrate) production, *Process Biochemistry*, 71(2018):1-11

- Goyal, S., Jamal, S., Shanker, A., **Grover, A.***, Structural basis for drug resistance mechanisms against anaplastic lymphoma kinase, *Journal of Cellular Biochemistry*, 120(1):768-777, (2019)
 - Singh, A., Somvanshi, P.*. **Grover, A.***, Drug repurposing against Arabinosyl Transferase (EmbC) of *Mycobacterium tuberculosis*: essential dynamics and free energy minima based binding mechanics analysis, *Gene*, 693:114-126, (2019)
 - Rabha, A., Singh, A., Grover, S., Kumari, A., Pandey, B., **Grover, A.***, Structural basis for Isoniazid resistance in KatG double mutants of *Mycobacterium tuberculosis*, *Microbial Pathogenesis*, 129:152-160, (2019)
 - Soni, D., **Grover A.***, "Picrosides" from Picrorhizakurroa as Potential Anti-carcinogenic Agents, *Biomedicine & Pharmacotherapy*, Vol.109:1680-87, (2019)
 - Kaur, G., Pandey, B., Kumar, A., Garewal, N., **Grover, A.**, and Kaur, J.*, Drug targeted virtual screening and molecular dynamics of LipU protein of *Mycobacterium tuberculosis* and *Mycobacterium leprae*, *Journal of Biomolecular Structure and Dynamics*, 37 (5), 1254-1269 , (2019)
 - Li, G., Jones, K.C., Eudes, A., Pidatala, V.R., Sun, J., Xu, F., Zhang, C., Wei, T., Jain, R., Birdseye, D., Canlas P., Baidoo, E.K., Duong, P.Q., **Sharma, M.K.**, Singh, S., Raun, D., Keasling, J.D., Mortimer, J.C., Lorque, D., Bartley, L.E., Scheller, H.V., Ronald, P.C., Overexpression of a rice BADH acyltransferase gene in switchgrass (*Panicum virgatum* L.) enhances saccharification. *BMC Biotechnology*, September, 2018, 18:54 doi.org/ 10.1186/s12896-018- 0464-8.
 - Kaur, U.S, Shet, A., Rajnala, N., Gopalan, B.P., Moar, P., D. H., Singh B.P., Chaturvedi, R., **Tandon, Ravi***, High Abundance of genus Prevotella in the gut of perinatally HIV-infected children is associated with IP-10 levels despite therapy, *Sci Rep.*, 5 December, 2018; 8(1): 17679. doi:10.1038/s41598-018-35877-4. (*Corresponding author)
 - Rajesh Mani, Manish Gupta, Anshu Malik, **Tandon Ravi**, Rajendra Prasad, Rakesh Bhatnagar, Nirupama Banerjee, Adjuvant Potential of Poly- α -L-glutamine from Cell Wall of *Mycobacterium tuberculosis*, *Infection and Immunity*, 2018. doi:10.1128/IAI.00537-18
 - Arun Singh Patel#, Subhavna Juneja#, Pawan K. Kanaujia, G. Vijaya Prakash, VikasMaurya, AnirbanChakraborti, **Bhattacharya, J.***, Gold nanoflowers as efficient hosts for Surface Enhanced Raman Scattering and Bioimaging. *Nano-structures and Nano-objects* 16, 329-336. (2018) (#Equal Authorship)
 - Ajita Jindal, Subhavna Juneja, Madhurima Bakshi, Punarbasu Chaudhuri, **Bhattacharya, J.***, Mesoporous zinc silicate bio-composite: Preparation, characterization and in vitro evaluation; *Microporous and Mesoporous Materials*, Vol. 277, pp.124–131.(2019)
 - A. Asha Madhavan, S. Juneja, P. Sen, R. Ghosh Moulick* and **Bhattacharya, J.***, Gold Nanoparticle-Based Detection of Low Molecular Weight AGEs from in Vitro Glycated Haemoglobin A0 Samples; *Nanoscale Research Letters*, Vol. 13. pp. 390.(2018)
 - Ajita Jindal, Neha Yadav, Kollori Dhar, Ranjita Ghosh Moulick* and **Bhattacharya, J.***, Bi-functionalization of glass surfaces with poly-L-lysine conjugated silica particles and polyethylene glycol for selective cellular attachment and proliferation; *Journal of Materials Science* 54(3): 2501-2513.(2019)
- Chapter in Books: (06)**
- Khushdeep Bandesh, **Pawan K. Dhar, Bharadwaj Dwaipayan**, Invited Book Chapter titled "A systems perspective of complex diseases: from reductionism to integration", in the book titled *Systems Biology*, edited by Nikolaus Rajewsky, Stefan Jurga and Jan Barciszewski, Springer International Publishing AG., (2018)
 - Checker VG, **Kushwaha HR.**, Kumari P, Yadav S., Role of Phytohormones in Plant Defense: Signaling and Cross Talk Book: Molecular Aspects of Plant-Pathogen Interaction Publisher: Springer Singapore, 2018 Pages: 159-184 https://doi.org/10.1007/978-981-10-7371-7_7
 - **Sharma Manoj K.**, *Basic Principles of Inheritance*, Biotechnology Textbook for Class XI, National Council of Education Research, New Delhi, March, 2019
 - **Bhattacharya Jaydeep**, "Synthesis of Inorganic Nanomaterials", Elsevier, 2018, ISBN: 9780081019764. *Hydrogels: Smart Nanomaterial for Biomedical Applications*, Vol.1, 283, (2018) (doi.org/10.1016/B978-0-08- 101975-7.00011-7) (Ch. 11)
 - **Bhattacharya Jaydeep**, *Advances in Personalized Nanotherapeutics*, Springer Book Publisher, 2019, ISBN: 978-3- 319-63633-7. "Nanotechnology for Therapeutics", pp.25-40. (Ch. 2)
 - **Bhattacharya Jaydeep**, Engineered Carbon Nanotubes and Nanofibrous Material: Integrating Theory, AAP Research Notes, 2018, ISBN: 9781771887045, "Advances in Carbon Nanotube-Based Conducting Polymer Composites", (Ch. 5)
- 275**
- Media Articles: (Newspapers and Non-Technical Magazines): (01)**
- **Tandon Ravi**, Research work was featured in *The Telegraph*, under title "A 'gut' feel drives HIV battle" By G.S. Mudur in New Delhi, 4 February, 2019

School of Computational and Integrative Sciences

Journals/Research Articles: (89)

- **Ahmad Shandar**, “ECG anomaly class identification using LSTM and error profile modeling, Sucheta Chauhan and Lovekesh Vig, *Computers in biology and medicine*, Vol.109, pp.14-21, 2019.
- **Ahmad Shandar**, Enabling full-length evolutionary profiles based Deep Convolutional Neural Network for predicting DNA-binding proteins from sequence, Sucheta Chauhan, *Proteins: Structure, Function, and Bioinformatics*, (2019) (<https://doi.org/10.1002/prot.25763>).
- **Ahmad Shandar**, A comparison of shallow and deep learning methods for predicting cognitive performance of stroke patients from MRI lesion images, Sucheta Chauhan, and Lovekesh Vig, Michele De Filippo De Grazia, Corbetta, Maurizio and Marco Zorzi*, *Frontiers in Neuroinformatics* (2019)Vol. 13, p.53.
- **Ahmad Shandar**, Deciphering RNA-recognition patterns of intrinsically disordered proteins, Ambuj Srivastava, Michael Gromiha*, *International Journal of Molecular Sciences*, (2018), 19(6), pp. 1595.
- **Ahmad Shandar**, Integrating sequence and gene expression information predicts human genome-wide DNABinding proteins and suggests a cooperative mechanism, Philip Prathipati, Lokesh Tripathi, Yi-An Chen, Ajay Arya, Yoichi Murakami, Kenji Mizuguchi, *Nucleic Acids Res* (2018), 46(1): 54–70. doi: <http://dx.doi.org/10.1093/nar/gkx1166>
- **Bandyopadhyay Pradipta**, “Microscopic picture of water-ethylene glycol interaction near a model DNA by computer simulation: Concentration dependence, structure, and localized thermodynamics,” Atul Kumar Jaiswal, Rakesh Srivastava, Preeti Pandey, *PLoS one*, 13 (11), e0206359, (2018)
- **Bandyopadhyay Pradipta**, A memory-based random walk model to understand diffusion in crowded heterogeneous environment Sabeeha Hasnain, Upendra Harbola Vol. 32, P.1850193, 2018
- Rajkumar MS, Garg R., **Jain M.**, Genome-wide discovery of DNA polymorphisms among chickpea cultivars with contrasting seed size/weight and their functional relevance, *Scientific Reports*, 8, 16795. DOI:10.1038/s41598-018- 35140-w., (2018)
- Chai C, Shankar R, **Jain M**†., Subudhi P†., Genome-wide discovery of DNA polymorphisms by whole genome sequencing differentiates weedy and cultivated rice, *Scientific Reports*, (2018) 8, 14218, DOI:10.1038/s41598-018- 32513-z. †*Joint corresponding author*
- Bhatia H, Khemka N, **Jain M**, Garg R., Genome-wide bisulphite-sequencing reveals organ-specific methylation patterns in chickpea, *Scientific Reports*, (2018), 8, 9704. doi: 10.1038/s41598-018-27979-w.
- Sharma C, Saripalli G, Kumar S, Gautam T, Kumar A, Rani S, Jain N, Prasad P, Raghuvanshi S, **Jain M.**, Sharma JB, Prabhu KV, Sharma PK, Balyan HS, Gupta PK. (2018) A study of transcriptome in leaf rust infected bread wheat involving seedling resistance gene Lr28, *Functional Plant Biology*, Doi: 10.1071/FP17326.
- **Chakraborti Anirban**, HK Pharasi, K Sharma, R Chatterjee, F Leyvraz and TH Seligman, Identifying long-term precursors of financial market crashes using correlation pattern, *New Journal of Physics* Vol. 20, pp, (2018)
- **Chakraborti Anirban**, AS Patel, S Juneja, PK Kanaujia, V Maurya, GV Prakash and J Bhattacharya, Gold nanoflowers as efficient hosts for SERS based sensing and bio-imaging, *Nano-Structures & Nano-Objects*, Vol. 16, pp.329-336, (2018)
- **Bhattacharjee, Arnab**, and Pinki Dey, “Disparity in anomalous diffusion of proteins searching for their target DNA sites in a crowded medium is controlled by the size, shape and mobility of macromolecular crowders”, *Soft Matter*, Vol. 15:1960-1969, 2019
- **Kanaujia Binod Kumar**, Ekta Thakur, Naveen Jaglan, Hemraj Saini, S D Gupta, A Compact Notched UWB MIMO Antenna with Enhanced Performance, *Progress in Electromagnetics Research*, (USA)vol. 91, no., pp. 39-53,2019
- **Kanaujia Binod Kumar**, Amit Kumar, Abdul Quaiyum Ansari and Jugalkishor, Novel ITI-Shaped Isolation Structure Placed Between Two-Port CPW-Fed Dual-Band MIMO Antenna for High Isolation, *International Journal of Electronics and Communication*, AEUElsevier, (Germany), Vol.104, pp. 35-43, 2019
- **Kanaujia Binod Kumar**, Rakesh Nath Tiwari and Prabhakar Singh, “A Modified Microstrip Line Fed Compact UWB Antenna for WiMAX/ISM/WLAN and Wireless Communications”, *International Journal of Electronics and Communication*, AEUElsevier, (Germany), Vol.104, pp. 58-65, 2019
- **Kanaujia Binod Kumar**, Sumer Singh and Jugalkishor, “Novel Circularly Polarized Dielectric Resonator Antenna for Microwave Image Sensing Application”, *Microwave and Optical Technology Letters*, (USA), 61,(7), pp. 1821- 1827, 2019

277

- **Kanaujia Binod Kumar**, Ankit Sharma, Deepak Gangwar and S Dwari, "Analysis and design of an ultra-thin metamaterial absorber and its application for in-band RCS reduction of antenna", *Journal of Electromagnetic Waves and Applications*, Taylor and Francis, 33(5), pp.654-667, 2019
 - **Kanaujia Binod Kumar**, Praveen Chaurasia, Santanu Dwari and Mukesh K. Khandelwal, "Design and Analysis of Seven-Bands-Slot-Antenna with Small Frequency Ratio for different Wireless Applications", *International Journal of Electronics and Communication*, AEUElsevier, (Germany) Vol. 99, pp. 100-109, 2019
 - **Kanaujia Binod Kumar**, Neetu Sehrawat and Anshul Agrawal, "Calculation of the resonant frequency of a rectangular dielectric resonator antenna using perturbation theory", *Journal of Computational Electronics*, Springer, 18(1), pp. 211-221, 2019
 - **Kanaujia Binod Kumar**, A. M. Zaidi, S. A. Imam, K. Rambabu, Kunalsrivastava and M. T. Beg, "A New Dual Band 4 x 4 Butler Matrix with Dual Band 3dB Quadrature Branch Line Coupler and Dual Band 45° Phase Shifter", *International Journal of Electronics and Communication*, AEUElsevier, (Germany) vol. 99, pp. 215-225, 2019
 - **Kanaujia Binod Kumar**, Ekta Thakur, Naveen Jaglan, Hemraj Saini and S D Gupta, "Probabilistic Verification Scenarios with Reduced Authentication Delay for Hand of Clients in Mesh Networks", *Wireless Personal Communication*, Springer, vol. 104, No. 04, pp. 1553-1573, 2019
 - **Kanaujia Binod Kumar**, Rakesh Nath Tiwari and Prabhakar Singh, "Wideband Monopole Planar Antenna with Stepped Ground Plane for WLAN/WiMAX Applications", *Communications in Computer and Information Science*, vol.958, pp., 953-964, 2019
 - **Kanaujia Binod Kumar**, Rohit Gurjar and Dharmendra Upadhyay, Karishma Sharma, "A Novel Compact Self- Similar Fractal UWB MIMO Antenna", *International Journal of RF and Microwave Computer-Aided Engineering*, (USA), vol.29, no.03, pp.,21632, 2019
 - **Kanaujia Binod Kumar**, Kunal Srivastava, Ashwani Kumar and S Dwari, Karu Esselle, Raj Mitra, "Wideband and High-Gain Circularly Polarized Microstrip Antenna Design Using Sandwiched Metasurfaces and Partially Reflecting Surface", *IET Microwaves, Antenna & Propagation*, (UK) vol. 13, no. 03, pp. 305-312, 2019
 - **Kanaujia Binod Kumar**, Praveen Chaurasia, Santanu Dwari and Mukesh K. Khandelwal, "Metamaterial Based Circularly Polarized Hexa-Band Patch Antenna with Small Frequency Ratios for Multiple Wireless Applications", *Journal of Electromagnetic Waves and Applications*, Taylor and Francis, vol.33, no.04, pp.520-540, 2019
 - **Kanaujia Binod Kumar**, Kunal Srivastava, Ashwani Kumar and S Dwari, Sachin Kumar, "Low profile coupling feed circularly polarized antennas for WLAN applications", *International Journal of RF and Microwave Computer- Aided Engineering*, (USA), vol.29, no.02, pp.,21525, 2019
 - **Kanaujia Binod Kumar**, Rajesh Kumar, Shantanu Dwari, Sandeep Kumar and Hanjung Song, "An Integrated Cascode DE Power Amplifier for RF Calibration System Towards Measurement of Bio-Sensor Applications", *Microwave and Optical Technology Letters*, (USA), vol. 61, no.01, pp. 31-36, 2019
 - **Kanaujia Binod Kumar**, Sandeep Sharma, Maiuddin, and Mukesh Kumar Khandelwal, Sachin Kumar, "Design of 4-Element Microstrip Array of Wideband Reflector Antenna with Stable High Gain Characteristics", *Microsystem Technologies*, Springer, vol.98, No. 03, pp.2553-2568, 2018
 - **Kanaujia Binod Kumar**, A. M. Zaidi, S. A. Imam, K. Rambabu and Jugal Kishor, "Multi-section Branch Line Couplers as Dual Band Crossovers using Coupled Lines for Wideband Applications", *International Journal of RF and Microwave Computer-Aided Engineering*, (USA), vol.29, no.02, pp.,21523, 2019
 - **Kanaujia Binod Kumar**, Kunal Srivastava, Ashwani Kumar and S Dwari, Sachin Kumar, "Low Profile Single Feed Monopole Antenna for Quad-Band Circularly Polarized Applications", *International Journal of Electronics*, (UK) vol. 106, No.02, pp. 318-331, 2019
 - **Kanaujia Binod Kumar**, Neeta Singh, Mirza Beg, Mainuddin, Sachin Kumar and Mukesh Khandsewal, "A Dual Band Rectifying antenna for RF Energy Harvesting", *Journal of Computational Electronics*, Springer, vol.17, No.04, pp.1748-1755, 2018
 - **Kanaujia Binod Kumar**, Amit Kumar, Abdul Quaiyum Ansari and Jugal Kishor, Nidhi Tewari, "Design of Triple-Band MIMO Antenna with One Band-Notched Characteristic", *Progress in Electromagnets Research C*, (USA), vol. 86, no. , pp. 41-53, 2018
 - **Kanaujia Binod Kumar**, Alaknanda Kunwar, A.K.Gautam and K Rambabu, "Circularly Polarized D-Shaped Slot Antenna For Wireless Applications", *International Journal of RF and Microwave Computer-Aided Engineering*, (USA), vol.29, no.01, pp.,21498, 2019
 - **Kanaujia Binod Kumar**, Dinesh Kumar Singh, Shantanu Dwari and Ganga Prasad Pandey, "Multi band Multi Polarized Reconfigurable Circularly Polarized Monopole Antenna with Simple Biasing Network", *International Journal of Electronics and Communication*, AEUElsevier, (Germany), vol. 95, pp. 177-188, 2018
- 278**
- **Kanaujia Binod Kumar**, Sachin Kumar, Kang Wook Kim, Hyun Chul Choi, Shobhit Saxena, Rahul Tiwari, Mukesh K. Khandelwal, Sandeep Kumar Palaniswamy, "A Low Profile Circularly Polarized UWB

Antenna with Integrated GSM Band for Wireless Communication”, *International Journal of Electronics and Communication*, AEUElsevier, (Germany), vol. 93, pp. 224-232, 2018

□ **Kanaujia Binod Kumar**, Tanvi Dabas, Deepak Gangwar and A K Gautam, “Mutual Coupling Reduction between Elements of UWB MIMO Antenna Using Small Size Uniplanar EBG exhibiting Multiple Stop Bands”, *International Journal of Electronics and Communication*, AEUElsevier, (Germany), vol. 93, pp. 32-38, 2018

□ **Kanaujia Binod Kumar**, Ankit Sharma, Deepak Gangwar and S Dwari, “RCS reduction and gain enhancement of SRR inspired circularly polarized slot antenna using metasurface”, *International Journal of Electronics and Communication*, AEUElsevier, (Germany), vol. 91, pp. 232-242, 2018

□ **Kanaujia Binod Kumar**, M. K. Verma, J. P. Saini, P.S. Saini and Rakeshroshan, “Design of Fan-Shaped stacked Triple Band Antenna for WLAN/WiMAX applications”, *Electromagnetic*, Taylor and Francis (UK), vol. 38, no.07, pp. 469-477, April, 2018

□ **Kanaujia Binod Kumar**, Neeta Singh, Mirza Beg, Mainuddin, Sachin Kumar and Taimoor Khan, “A Dual Polarized Multiband Rectenna for RF Energy Harvesting”, *International Journal of Electronics and Communication*, AEUElsevier, (Germany), vol. 93, pp. 123-131, 2018

□ **Kanaujia Binod Kumar**, Rajesh Kumar, Shantanu Dwari, Sandeep Kumar and Hanjung Song, “A High Efficiency On-Chip Reconfigurable Doherty Power Amplifier for LTE Communication Cells”, *Microwave and Optical Technology Letters*, (USA), vol. 60, no. 10, pp. 2569-2577, 2018

□ **Kanaujia Binod Kumar**, Kunal Srivastava, Ashwani Kumar and S Dwari, Sachin Kumar, “A CPW-Fed UWB MIMO Antenna with Integrated GSM Band and Dual Band Notches”, *International Journal of RF and Microwave Computer-Aided Engineering*, (USA), vol.29, no.01, pp.,21433, 2019

□ **Kanaujia Binod Kumar**, Gunjan Mittal, Shantanu Dwari, Sandeep Kumar and Hanjung Song, “2-18GHz Wide band Co-design Integrated LNA with Active Antenna for Mobile Communication technologies”, *Analog Integrated Circuits and Signal Processing*, Springer, vol. 96, No. 01, pp. 39-52, July, 2018

□ **Kanaujia Binod Kumar**, Rakesh Nath Tiwari, Prabhakar Singh, “Small Size Scarecrow Shaped CPW and Microstrip Line Fed UWB Antennas”, *Journal of Computational Electronics*, Springer, vol. 17, No. 03, pp. 1047- 1055, 2018

□ **Kanaujia Binod Kumar**, Ankit Sharma, Deepak Gangwar and S Dwari, “Gain Enhancement and Broadband RCS Reduction of a Circularly Polarized Aperture Coupled Annular Slot Antenna using Metasurface”, *Journal of Computational Electronics*, Springer, vol.17, No. 03, pp. 1037-1046, 2018

□ **Kanaujia Binod Kumar**, Mukesh K. Khandelwal, Sachin Kumar, “Design, Modeling and Analysis of Dual Feed Defected Ground Microstrip Patch Antenna with Wide Axial Ratio Bandwidth”, *Journal of Computational Electronics*, Springer, vol.73, No. 03, pp. 2019-2028, 2018

□ **Kanaujia Binod Kumar**, Amit Kumar, Abdul Quaiyum Ansari and Jugalkishor, “High Isolation Compact Four-Port MIMO Antenna Loaded with CSRR for Multiband Applications”, *Electromagnetic*, Taylor and Francis, (UK) vol.72, no.9-10, pp.415-427, April, 2018

□ **Kanaujia Binod Kumar**, Dinesh Raheja and Sachin Kumar, “A Dual Polarized Triple Band Stacked Elliptical Microstrip Patch Antenna for WLAN Applications”, *Wireless Personal Communication*, Springer, vol. 100, No. 04, pp. 1585-1599, 2018

□ **Kanaujia Binod Kumar**, Praveen Chaurasia, Santanu Dwari and Mukesh K. Khandelwal, “Penta-Band Microstrip Patch Antenna with Small Frequency Ratios using Metamaterial for Wireless Applications”, *International Journal of Microwave and Wireless Technologies*, Cambridge University Press, (UK), 10(8) , pp. 965-977, 2018

□ **Kanaujia Binod Kumar**, Praveen Chaurasia, Santanu Dwari and Mukesh K. Khandelwal, “Antenna With Hexa- Band Capabilities For Multiple Wireless Applications”, *Progress in Electromagnetics Research C*, (USA), Vol. 82, pp.109-122, 2018

□ **Kanaujia Binod Kumar**, Kunal Srivastava, Ashwani Kumar and S Dwari, Karu Esselle, Raj Mitra, “Integrated GSM-UWB Fibonacci-type Antennas with Single, Dual and Triple Notched Bands”, *IET Microwaves, Antenna & Propagation*, (UK), 12(6):1004-1012, May, 2018

□ **Kanaujia Binod Kumar**, Shilpee Patil, A. K. Singh and R L Yadav, “Design of Dual Band Dual Sense Circularly Polarized Wide Slot Antenna with C-shaped Radiator for Wireless Applications”, *Frequenz*, (Germany), 72(7-8): 343-351, 2018

□ **Kanaujia Binod Kumar**, Tanvi, Deepak Gangwar and K. Rambabu, “Design of Multi-band Multi-polarized Single Feed Patch Antenna”, *IET Microwaves, Antenna & Propagation*, (UK), 12(15):2372-2378, 2018

279

□ **Krishnamachari Annangarachari**, Vinod Kumar Singh, Vipin Kumar, “Prediction of replication sites in *Saccharomyces cerevisiae* genome using DNA segment properties: multi-view ensemble learning (MEL) approach, *Bio-systems*, Vol.163, pp59-69, 2018

- **Krishnamachari Annangarachari**, A K Jaiswal, "Physicochemical property based computational scheme for classifying DNA sequence elements of *Saccharomyces cerevisiae* *Computational biology and chemistry*, Vol.79, pp.193-201, 2019
- **Lynn Andrew M.**, Vijay Kumar, Amresh Prakash, Anil Kumar Tomar, Ankit Srivastava, Bishwajit Kundu, Md Imtaiyaz Hassan; "Exploring the aggregation-prone regions from structural domains of human TDP-43", *Biochimica et Biophysica Acta (BBA)- Proteins and Proteomics*, (2019) 1867,3, pp.286-296
- **Lynn Andrew M.**, Deepak R Bharti, Anmol J Hemrom; "GCAC: galaxy workflow system for predictive model building for virtual screening", *BMC Bioinformatics* 19 (Suppl 13): 550(2019)
- **Lynn Andrew M.**, Sabab Hasan Khan, Amresh Prakash, Preeti Pandey, Asimul Islam, Md Imtaiyaz Hassan, Faizan Ahmad, "Protein folding: Molecular dynamics simulations and in vitro studies for probing mechanism of urea-and guanidinium chloride-induced unfolding of horse cytochrome-c", *International Journal of Biological Macromolecules*, , Vol. 122, pp. 695-704, 2019
- **Lynn Andrew M.**, Atanu Banerjee, Poonam Vishwakarma, Antresh Kumar, Rajendra Prasad, "Information theoretic measures and mutagenesis identify a novel linchpin residue involved in substrate selection within the nucleotide-binding domain of an ABCG family exporter Cdr1p", *Archives of Biochemistry and Biophysics* ,Vol.663,) , pp.143-150 (2019)
- **Lynn Andrew M.**, Sunita Gupta, Vibha Gupta, "Standardization of virtual-screening and post-processing protocols relevant to in-silico drug discovery", *Biotech*, (2018) Vol. 8, pp 504
- **Lynn Andrew M.**, Mohd Wasi, Nitesh Kumar Khandelwal, Poonam Vishwakarma, Alok K Mondal, Rajendra Prasad, "Inventory of ABC proteins and their putative role in salt and drug tolerance in *Debaryomyces hansenii*", *Gene*, Vol.676, 227-242, 2018
- **Lynn Andrew M.**, Poonam Vishwakarma, Atanu Banerjee, Ritu Pasrija, Rajendra Prasad, "Phylogenetic and conservation analyses of MFS transporters", *3 Biotech*, (2018) 8: 462. <https://doi.org/10.1007/s13205-018-1476-8>
- **Lynn Andrew M.**, Amresh Prakash, Vijay Kumar & Rizwanul Haque, "Insights into the DNA binding induced thermal stabilization of transcription factor FOXP3", *Journal of Biomolecular Structure and Dynamics*, 2018, DOI: 10.1080/07391102.2018.1486228.
- **Lynn Andrew M.**, Kumari, Sonam, Kumar, Mohit, Khandelwal, Nitesh Kumar, Kumari, Priya, Varma, Mahendra, Vishwakarma, Poonam, Shahi, Garima, Sharma, Suman, Prasad, Rajendra, "ABC transportome inventory of human pathogenic yeast *Candida glabrata*: Phylogenetic and expression analysis", *Plos one*, 13 8 e0202993, 2018, Public Library of Science
- **Lynn Andrew M.**, Khurana, Gagandeep K, Vishwakarma, Poonam, Puri, Niti, "Phylogenetic Analysis of the vesicular fusion SNARE machinery revealing its functional divergence across Eukaryotes", *Bioinformation*, 14 (7): 361-368, 2018
- **Lynn Andrew M.**, Wasi, Mohd, Khandelwal, Nitesh Kumar, Vishwakarma, Poonam, Mondal, Alok K, Prasad, Rajendra, "Inventory of ABC proteins and their putative role in salt and drug tolerance in *Debaryomyces hansenii*", *Gene*, 676 2227-242, 2018, Elsevier.
- **Lynn Andrew M.**, Prakash, Amresh, Kumar, Vijay, Meena, Naveen Kumar, "Elucidation of the structural stability and dynamics of heterogeneous intermediate ensembles in unfolding pathway of the N-terminal domain of TDP-43", *RSC Advances*, 8 35 19835-19845, 2018, Royal Society of Chemistry.
- **Lynn Andrew M.**, Kumar, Vijay, Prakash, Amresh, Pandey, Preeti, Hassan, Md Imtaiyaz, "TFE-induced local unfolding and fibrillation of SOD1: bridging the experiment and simulation studies", *Biochemical Journal*, BCJ20180085, 2018, Portland Press Limited.
- **Lynn Andrew M.**, Kumar, Vijay, Prakash, Amresh, "Alterations in local stability and dynamics of A4V SOD1 in the presence of trifluoroethanol", *Biopolymers*, 109 3 e23102, (2018)
- **Lynn Andrew M.**, Prakash, Amresh, Kumar, Vijay, Meena, Naveen Kumar; Hassan, Md Imtaiyaz, "Comparative analysis of thermal unfolding simulations of RNA recognition motifs (RRMs) of TAR DNA-binding protein 43 (TDP-43)", *Journal of Biomolecular Structure and Dynamics*, Taylor and Francis (2018)
- **Shah Sapna Ratan**, Rohit Kumar "Performance of blood flow with suspension of nanoparticles through tapered stenosed artery for jeffrey fluid model", *International Journal of Nanoscience*, (2018) 17, 1850004 (1-7)
- **Sharma Rita**, Kundu S*, Origin, evolution, and divergence of plant class C GH9 endoglucanases, *BMC Evolutionary Biology*, 18 (1): 79, 2018

280

- **Subbarao Naidu**, Roshan Tumdam, Amarjeet Kumar, B.S. Balaji, In Silico Study Directed Towards Identification of Novel High Affinity Inhibitors Targeting An Oncogenic Protein: BRD4-BD1, SAR and QSAR in Environmental Research, (2018), 29(12):975-996
- **Subbarao Naidu**, Shashi S. Singh, Sarah Naiyer, Ravi Bharadwaj, Amarjeet Kumar, Yatendra P. Singh, Ashwini K. Ray, Alok Bhattacharya and Sudha Bhattacharya, "stress-induced nuclear depletion of *Entamoeba histolytica*, 3'- 5'exoribonuclease EhRrp6, its role in growth and erythrophagocytosis", *Journal of Biological Chemistry*, (2018), 293(42): -16260

- **Subbarao Naidu**, Mohd. Babu Khan, Bhagath Kumar Palaka, Tuleshwori Devi Sapam, and Dinakara Rao Ampasala Screening and analysis of acetyl-cholinesterase (AChE) inhibitors in the context of Alzheimer's disease, *Bioinformation*, (2018), 14(8): 414-428
- **Subbarao Naidu**, Mohammad K. Parvez, Molecular analysis and modeling of hepatitis E virus helicase, and identification of novel inhibitors by virtual screening, *Biomed Research International*, (2018)
- **Subbarao Naidu**, Amarjeet Kumar, Suman Dhar, In-silico identification of Inhibitors against Plasmodium falciparum Histone deacetylase 1, *Journal of Molecular Modeling*, (2018),. Vol 24, pp.232
- **Subbarao Naidu**, Atul Kumar Jaiswal, Syed Hussain Abbas Husaini, Amarjeet Kumar, Designing novel inhibitors against Mycobacterium tuberculosis FadA5 (acetyl-CoA acetyltransferase) by virtual screening of known antituberculosis (bioactive) compounds, *Bioinformation*, (2018), 14(6),327-336.
- **Subbarao Naidu**, Amarjeet Kumar and Naidu Subbarao Samina Khatun, Riyaz Uddeen, Shama Yasmeen, calorimetric, Spectroscopic and molecular modelling insights into the interaction of gallic acid with bovine serum albumin, (2018), 12(2)-85-94
- **Singh Brojen R.K.**, Soibam Shyamchand Singh, Dineshchandra Haobijam, Md Zubair Malik, Romana Ishrat, Fractal rules in brain networks: Signatures of self-organization, *Journal of Theoretical Biology*, 437, 58-66, (2018)
- **Singh Brojen R.K.**, Shahnawaz Ali, Md. Zubair Malik, Soibam Shyamchand Singh, Keilash Chirom, Romana Ishrat, Exploring novel key regulators in breast cancer network, *PlosOne*, 13(6), e0198525, (2018)
- **Singh Brojen R.K.**, Sharma, Saurabh Kumar, Md Zubair Malik, and Stochastic synchronization of neurons: the topological impacts, *Bioinformation*, 14 (9), 504, (2018)
- **Singh Brojen R.K.**, S Harma, Saurabh Kumar, Dineshchandra Haobijam, Soibam Shyamchand Singh, Md Zubair Malik, Neuronal communication: Stochastic neuron dynamics and multi-synchrony states, *AEU-International Journal of Electronics and Communications*, 100, 75-85, (2019)
- **Singh Brojen R.K.**, Bhadana, Jyoti, Md Zubair Malik, Universality in stochastic enzymatic futile cycle, *Applied Mathematical Modelling*, 74, 658-667, (2019)
- **Singh Brojen R.K.**, Sanjeet Maisnam, Generalization of neuron network model with delay feedback, *Heliyon*, 5(5): e01643, (2019)
- **Singh Brojen R.K.**, Sharma, Saurabh Kumar, Soibam Shyamchand Singh, Dineshchandra Haobijam, Md Zubair Malik, organization in complex brain networks: energy distributions and phase shift. *J Theor Biol*, 476, 30-35, (2019)
- **Singh Brojen R.K.**, Kabita Khoirom, Indrajit Sharma, Ramkumar Thapa, Pressure-induced structural phase transition and electronic structure of In_{1-x}GaxP alloys: a DFT study, *Turkish J. Phys.*, (2019) 43: 127 – 137.
- **Singh Brojen R.K.**, L. Herojit Singh, P Sapra, Development of Algorithm of Traditional Kei-Yen Game. *J. Comp. Comm.* 6, 45-56, (2018)

Books: (02)

- **Arora, Kavita**, "Chapter 10: Recent Biosensing Applications of Graphene-Based Nanomaterials", 'Handbook of Graphene, Volume 6: Biosensors and Advanced Sensors', Edited by Barbara Palys, Scrivener Publishing, 2019
- **Jain, M.**, Wani SH, Book on "Pulse Improvement-Physiological, Molecular and Genetic Perspectives", (Eds.) Springer, Cham; Springer Nature Switzerland AG pp 1-241, (2018), (ISBN 978-3-030-01742-2), <https://doi.org/10.1007/978-3-030-01743-9>

Chapters in Books: (04)

- **Kanuajia Binod Kumar**, Rohit Gurjar, Dharmendra Upadhyay and Karishma Sharma, "An 8-Shaped Self-affine Fractal MIMO Antenna for UWB Applications" Applications of Artificial Intelligence Techniques in Engineering SIGMA-2018", *Springer Nature*, 689, Pages 155-165, 2019
- 281**
- **Kanuajia Binod Kumar**, Aijaz M. Zaidi and Syed A Imam, "A Compact Dual-Band N-Way Wilkinson Power Divider for GSM", a book chapter in the book entitled "Advances in Power Systems and Energy Management,: ETAEERE-2016", *Springer Nature*, Pages 263-272, 2018
- **Ahmad Shandar**, Preeti Pandey and Sabeeha Hasnain, Protein-DNA interactions, in Encyclopedia of Bioinformatics and Computational Biology (Elsevier Inc.), (2018), <https://doi.org/10.1016/B978-0-12-811414-8.20217-4>
- **Ahmad Shandar**, NSA Ghani, M Firdaus-Raih, Computational Prediction of Nucleic Acid Binding Residues From Sequence, in Encyclopedia of Bioinformatics and Computational Biology (Elsevier Inc.), (2018), <https://doi.org/10.1016/B978-0-12-811414-8.20217-4>

School of Computer & Systems Sciences

Journal/Research Articles: (55)

- **Balasundaram S.**, & Yogendra Meena, "On robust regularized support vector regression in primal with asymmetric Huber loss", *Neural Processing Letters*, Springer, 2019, 49,1399-1431
- Anagha P, **Balasundaram S.**, & Yogendra Meena, "On robust twin support vector regression in primal using squared pinball loss", *Journal of Intelligent & Fuzzy Systems*, IOS Press, 2018, 35 (5), 5231-5239
- **Balasundaram S.**, & Gagandeep Benipal, On a new approach for Lagrangian support vector regression, *Neural Computing & Applications*, Springer, 2018, 29 (9): 533-551
- **Parimala N.**, Saini A., "Non-functional Properties of a Webservice." In: Mohanty H., Pattnaik P. (eds), *Webservices*. Springer, Singapore, 2019
- **Minz Sonajharia**, "Granulation-based self-training for the semi-supervised classification of remote-sensing images", co-authored with Aydav, P. S. S., *Granular Computing*, March, 2019, 1-19, Springer International Publishing, DOI:10.1007/s41066-019-00161-x
- **Minz Sonajharia**, Bharadwaj, "K.K. Link Prediction in signed social networks based on fuzzy computational model of trust and distrust. Co-authored with Girdhar, N., *Soft Computing*, Springer, January, 2019, 1-16, DOI: 10.1007/s00500-019-03768-z
- **Minz Sonajharia**, "Fast active learning for hyperspectral image classification using extreme learning machine." Coauthored with Monoj Kumar Pradhan and Vimal Kr. Srivasatava, *Journal IET Image Processing*, November, 2018, ISSN 1751-9659, DOI: 10.1049/iet-ipr.2018.5104
- **Minz Sonajharia**, "Group Recommender Systems – An Evolutionary Approach Based on Multi-expert System for Consensus", co-authored with Meena, R., *Journal of Intelligent Systems*, De Gruyter Series, November, 2018 DOI: 10.1515/jisys-2018-0081
- **Minz Sonajharia**, "Classification of hyperspectral images using self-training and a pseudo validation set". Coauthored with Aydav, P. S. S., *Remote Sensing Letters*, 9:11: 1109-1117, September, 2018, Taylor & Francis, DOI: 10.1080/2150 704X.2018.1511932
- **Agrawal R. K.**, (With Navjot Singh, Rinki Arya), "Performance enhancement of salient object detection using superpixel based Gaussian mixture model", *Multimedia Tools and Applications*, 77(7): 8511-8529 (2018)
- **Agrawal R. K.**, (With Jyoti Singh Kirar), "Relevant feature selection from a combination of Spectral-Temporal And Spatial Features For Classification of Motor Imagery EEG:", *Journal of Medical Systems*, 42(5): 78 (2018)
- **Agrawal R. K.**, (With Utkarsh Niranjana, Brejesh Lall), "Analysis of the SIRP epidemic model with anti-worm patching," *International Journal of Computer Mathematics: Computer Systems Theory*, 3(2): 122-143(2018)
- Ridhima Mehta, **Lobiyal D. K.**, "Performance modeling and optimization of multiple-objective cross-layer design in multi-flow ad-hoc networks". *Int. J. Communication Systems*,32(3): (2019)
- Goyal, P., **Lobiyal D. K.**, and Katti, C. P. "Dynamic user preference based group vertical handoffs in heterogeneous wireless networks: a non-cooperative game approach", *Wireless Networks*, Springer, Pp. 1-15, 2018
- Khalid Khan, **Lobiyal D. K.**, and Adem Kilicman, "A de Casteljaou Algorithm for Bernstein type Polynomials based on (p,q)-integers", *Applications and Applied Mathematics*, vol. 13(2): Pp, 997-1017, 2018
- Addisalem Genta; and **Lobiyal D. K.**, "Energy Efficient Hybrid FCM and Cuckoo optimization based clustering Technique for Wireless Multimedia Sensor Network", *International Journal of Computer Science and Network (IJCSN)*, 8 (1): 91-101, February, 2019
- Yashu Shankar and **Lobiyal D. K.**, "A Study to predict Error in Path Loss over Rounded Hill", *Internal Journal of Computer Network and Wireless Communications IRACST*, 8 (3): 108-112 (2018)
- Neetesh Kumar, **Vidyarthi D. P.**, "A Green Routing Algorithm for IoT enabled Software Defined Wireless Sensor Network", *IEEE Sensors Journal*, DOI: 10.1109/JSEN.2018.2869629, IF: 2.617
- Neetesh Kumar, **Vidyarthi D. P.**, "A hybrid heuristic for load-balanced scheduling of heterogeneous workload on heterogeneous systems", *The Computer Journal*, 2018, doi:10.1093/comjnl/bxy085, IF:0.792
- Neha Kumari and **Kumar Rajeev**, "Evolution of generic programming in OOPs". *ACM SIGSOFT Software Engineering Notes* 44(1): January, 2019. ACM Press. DOI: 10-1145/3310013-3310033.
- Mahender Kumar and **Chand Satish**, "ESKI-IBE: Efficient and secure key issuing identity-based encryption with cloud privacy centers," *Multimedia Tools and Applications*, Springer, (February, 2019). <https://doi.org/10.1007/s11042-019-7155-x>
- PushpSra and **Chand Satish**, "QoS in Mobile Ad-Hoc Networks," *Wireless Personal Communications*, Vol. 105(4), pp. 1599–1616, February, 2019
- Devender Kumar, **Chand Satish**, and Bijendra Kumar, "Cryptanalysis and Improvement of an Authentication Protocol for Wireless Sensor Networks Applications like Safety Monitoring in Coal Mines",

- Journal of Ambient Intelligence and Humanized Computing*, Springer, 10(2): 641–660, February, 2019, <https://doi.org/10.1007/s12652-018-0712-8>
- Devender Kumar, **Chand Satish**, and Bijendra Kumar, “A PKC-Based User Authentication Scheme without Smart Card”, *Journal of Intelligent and Fuzzy Systems*, IOS Press, 35(11):1-12 (August, 2018), DOI: 10.3233/JIFS-169820
 - Manju, **Chand Satish**, and Bijendra Kumar, “Target Coverage Heuristic Based on Learning Automata in Wireless Sensor Networks,” *IET Wireless Sensor Systems*, 8(3): 109 – 115, May, 2018
 - Manju, **Chand Satish**, and Bijendra Kumar, “Genetic Algorithm Based Meta-Heuristic For Target Coverage Problem,” *IET Wireless Sensor Systems*, 8(4): 170–175, June, 2018
 - Rajeev Kumar, **Chand Satish**, and Samayveer Singh, “An Improved Histogram-Shifting-Limited Reversible Data Hiding based on HVS Characteristics,” *Multimedia Tools and Applications*, 77(11): 13445–13457, June, 2018
 - Rajeev Kumar and **Chand Satish**, “A reversible high capacity data hiding scheme using combinatorial strategy”, *International Journal of Multimedia Intelligence and Security*, 3 (2): 146 – 161, November, 2018
 - Rajeev Kumar, **Chand Satish**, and Samayveer Singh, “A Reversible Data Hiding Scheme Using Pixel Location,” *International Arab Journal of Information Technology (IAJIT)*, 15(4): 763-768, July, 2018
 - **Vijay Kumar T. V.**, (With Amit Kumar), “Materialized View Selection using Set based Particle Swarm Optimization,” *International Journal of Cognitive Informatics and Natural Intelligence (IJCINI)*, 12 (3): 18-39, 2018
 - **Vijay Kumar T. V.**, (With Santosh Kumar), “A Novel Quantum Inspired Evolutionary View Selection Algorithm,” *Journal Sadhana*, Springer and Indian Academy of Sciences, 43(10), Article 166, (2018)
 - **Vijay Kumar T. V.**, (With Jay Prakash), “A Multi-objective Approach for Materialized View Selection”, *International Journal of Operations Research and Information Systems (IJORIS)*, 10 (2): 1-19, 2019
 - **Raza Zahid**, “Using Supply Chain Management Approach for Message Forwarding for Internet of Things (IoT)”, co-authored with Sumit Kumar, *The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM)*, Volume 4, December, 2018, pp. 21-27 (ISSN: 2602-3199);
 - **Raza Zahid**, “Hybrid Bio-Inspired Scheduling Algorithms for Batch of Tasks on Heterogeneous Computing System,” *International Journal of Bio Inspired Computation*, co-authored with Mohammad Sajid, and Mohammad Shahid, Inderscience Publishers, 11 (3), May, 2018, pp. 135-148 (ISSN: 1758-0374);
 - Shashi Mehrotra, Shruti Kohli and **Sharan Aditi**, “An Intelligent Clustering Approach for improving Search Result of a Website”, *International Journal of Advanced Intelligence Paradigms* 10(1):1, (2018)
 - Shashi Mehrotra, Shruti Kohli and **Sharan Aditi**, “To identify the usage of clustering techniques for improving search result of a website”, *International Journal of Data Mining Modelling and Management* 10(3): 229, (2018)
 - Pankaj Kumar Kashyap, **Kumar Sushil**, et al., “Green Computing in Sensors-Enabled Internet of Things: Neuro Fuzzy Logic-Based Load Balancing”. *Electronics*, vol. 8 (4), 384 (2019) (SCI IF=2.1)
 - **Kumar Sushil**, Upasana Dohare et al. “Cybersecurity Measures for Geocasting in Vehicular Cyber Physical System Environments,” *IEEE Internet of Things Journal*. doi: 10.1109/JIOT.2018.2872474,(27 September, 2018). (SCI IF=5.863)
 - Jitender Kumar, **Kumar Sushil**, et al., “Enabling Green Computing in Cloud Environments: Network Virtualization Approach Towards 5G Support”, *Transactions on Emerging Telecommunications Technologies*, Wiley, 29 (11), November, 2018. (SCI IF=1.535)
 - Anjushi Verma, **Gayen Tirthankar**, “Reliability Assessment of Time Critical Software: a case study on Stepper Motor Application,” *Arabian Journal for Science and Engineering*, Springer Berlin Heidelberg, 43 (12), pp. 7979- 7994, 2018
 - Ritwik Mishra, **Gayen Tirthankar**, “Automatic lossless summarization of news articles with abstract meaning representation”, *Procedia of Computer Science*, Vol. 135, pp. 178-185, Elsevier, 2018
 - A Sharma, **Agarwal Poonam**, “Triboelectric Energy Harvester performance enhanced by modifying the tribo-layer with cost-effective fabrication,” *Materials Research Express*, 6 (6), March, 2019
 - Md Zainul Abedeen, **Agarwal Poonam**, “Microwave Sensing Technique based Label-Free and Real-Time Planar Glucose Analyzer Fabricated on FR4 Real time Planar Glucose analyzer,” *Sensors and Actuators A: Physical Journal*, Vol. 279, pp.132-139, (2018)
 - B. Verma and **Choudhary Ayesha**, “Framework for dynamic hand gesture recognition using Grassmann manifold for intelligent vehicles,” *IET Intelligent Transport Systems*, 12 (7): 721-729, (2018)
 - Any Gupta, **Choudhary Ayesha**, “A Framework for Camera-Based Real-Time Lane and Road Surface Marking Detection and Recognition”. *IEEE Trans. Intelligent Vehicles*, 3(4): 476-485, (2018)
 - Ahmed Aziz and **Singh Karan**, “Lightweight Security Scheme for Internet of Things”, *Wireless Personal Communications*, January, 2019. (SCIE, 1.2). Pp. 577-593, Vol. 104
 - Ahmed Aziz with **Singh Karan**, Walid Osamy and Ahmed M. Khedr, “Effective algorithm for optimizing

compressive sensing in IoT and periodic monitoring applications”, *Journal of Network and Computer Applications*, (SCIE, IF = 5.2), Vol. 126, 15 January, 2019, Pp. 12 – 28

□ Karishma Singh, **Singh Karan**, Le Hoang Son, Ahmed Aziz, “Congestion Control in Wireless Sensor Networks by Hybrid Multi-Objective Optimization Algorithm”, *Computer Networks*, (SCIE, IF = 3.3), June, 2018, Vol. 138, Pp. 90-107

□ Sahana, Subrata, and **Singh Karan**, “Underwater Wireless Sensor Monitoring and Tracking Framework: Dolphin Preserving in the Ganges”, *International Journal of Applied Engineering Research* 13, no. 12, November, (2018): 10855-10860. (UGC Approved Journal No. - 64529).

□ Shankar, Vishnu, **Singh Karan**, and Mahendra Kumr Jangir. “NOMOPHOBIA: Detection and Analysis of Smartphone Addiction in Indian Perspective.” *International Journal of Applied Engineering Research* 13, no. 14, November (2018): 11593-11599. ISSN 0973-4562, (UGC Approved Journal No. - 64529).

□ Latha Banda, **Singh Karan**, “Improving Scalability, Sparsity and Cold Start user Problems in Collaborative Tagging with Incremental Clustering and Trust”, *Journal of Recent Patents on Computer Science* (scopus) ISSN: 1874-4796 (Online) February, 2019. DOI: 10.2174/221327591266190617163253.

□ L. Beloni Devi, Kundan Singh and **Srivastava A.**, “Impact of Substrate Bias and Dielectrics on the Performance parameters of Symmetric Lateral Bipolar Transistor on SiGe-OI for Mixed signal applications”, *Microelectronics Journal*, Vol. 81, pp. 28. (2018)

□ Devi, S. J., **Singh Buddha**, & Raza, H., “Link Prediction Evaluation Using Palette Weisfeiler-Lehman Graph Labelling Algorithm”. *International Journal of Knowledge and Systems Science (IJKSS)*, 10(1): 1-20. doi:10.4018/IJKSS.2019010101, 2019

□ Guru Prasad Bhandari, **Gupta Ratneshwer**, Fault analysis of service-oriented systems: a systematic literature review, *IET Software*, 12 (6):446-460, (2018)

□ Guru Prasad Bhandari, **Gupta Ratneshwer**, and Satyanshu K. Upadhyay. “Colored Petri Nets Based Fault Diagnosis in Service Oriented Architecture”. *IJWSR*, (15,(4),: 1-28. Web. 24 September, 2018

Books: (03)

□ **Minz Sonajharia**, *Information Communication and Computing Technologies*, Editors: Minz, Sonajharia, Karmakar, Sushanta, Kharb, Latika (Eds.), Springer Singapore, May 2018, e-ISBN 978-981-13-5992-7

□ Baranwal, G., Kumar, D., Raza, Z., **Vidyarathi, D. P.**, *Auction Based Resource Provisioning in Cloud Computing, (A Brief)*, Springer Singapore, 2018, ISBN 978-981-10-8737-0.

□ **Raza, Zahid**, “Auction based Resource Provisioning in Cloud Computing”, co-authored with Gaurav Baranwal, Dinesh Kumar and Deo Prakash Vidyarathi, Springer Briefs in Computer Science, Singapore, July, 2018, ISBN: 978- 981-10-8737-0.

Chapters in Books: (09)

□ **Parimala N.**, Saini A. Non-functional Properties of a Web service. In: Mohanty H., Pattnaik P. (eds) *Webservices*. Springer, Singapore, 2019.

□ **Minz Sonajharia**, “Self-training with Neighborhood Information for the Classification of Remote Sensing Images”. co-authored with Aydav, P. S. S., In *Information* 981-13-0585-6, August, 2018.

□ A Dynamic Resource and Communication Technology for Competitive Strategies (pp. 465-474). Springer, Singapore, ISBN 978-Provisioning VNE Algorithm Based on Graph Theory, Isha Pathak, **Vidyarathi D. P.**, Atul Tripathi, *Advances in Data Communications and Networking for Digital Business Transformation*, Ed. Debashis Saha, IGI-Global (USA), ISSN: 2327-3372; eISSN: 2327-3380, 2018.

□ Pathak N., **Kumar Rajeev**, “Improved Wisdom of Crowds Heuristic for Solving Sudoku Puzzles”, in Wang J., Reddy G., Prasad V., (eds) “Soft Computing and Signal Processing”. *Advances in Intelligent Systems and Computing*, vol 900. Springer, Singapore. ISBN: 9789811336003, pp – 369-377, June, 2018.

285

□ Sadh R., **Kumar Rajeev**, “EDM Framework for Knowledge Discovery in Educational Domain”, In: Khare A., Tiwary U., Sethi I., Singh N. (eds) “Recent Trends in Communication, Computing, and Electronics”. *Lecture Notes in Electrical Engineering*. Vol 524, Springer, Singapore. ISBN: 9789811326851, pp – 409-417, April, 2018.

□ A Sharma, **Agarwal Poonam**, “Triboelectric Based Kinetic Energy Harvesting Using Polydimethylsiloxane (PDMS)” Book chapter in : *From nat. to Nanomaterials: Advances in Polymer Sciences and Technology*, selected Papers from APA 2017, Gupta, B., Ghosh, A.K., Suzuki, A., Rattan, S. (Eds.) 978-981-13-2567-0, 459714_1_En, (8) <https://www.springer.com/gp/book/9789811325670>.

□ Guru Prasad Bhandari, **Ratneshwer**, Chapter 1: An Overview of Cloud/Edge Computing Architecture with its Issues and Challenges, Book Chapter in the Book “Advancing Consumer-Centric Fog Computing Architectures”, IGI Global Publishers, ISBN10: 1522571493.

□ Guru Prasad Bhandari, **Ratneshwer**, Chapter 3: “Safety critical, dependable, fault tolerant cyber physical systems”, Book Chapter in the Book “Cyber-Physical Systems for Next Generation Networks”. Editors: J Rodrigues, A Gawanmeh. IGI Global Publishers. ISBN10: 1522555102, pp. 54-78, 2018.

□ Haribansh Mishra, **Ratneshwer**, “Some Studies on Factors Influencing Maximum Association Number of Wi-Fi Access Point.” Book Chapter in the Book *Advances in Data and Information Sciences* Editors: Kolhe, M.L., Trivedi, M.C., Tiwari, S., Singh, V.K., eBook ISBN: 978-981-13-0277-0, 2018.

Conferences Proceedings: (36)

□ Gaurav Kumar, **Parimala N.**, “A Sensitivity Analysis on Weight Sum Method MCDM Approach for Product Recommendation”. ICDCIT 2019: 185-193.

□ **Minz Sonajharia**, “A Scalable Unsupervised Classification Method using Rough Set for Remote Sensing Imagery”, MIND-2019 at NIT Kurukshetra (Springer IETE), 3 – 4 March, 2019.

□ **Minz Sonajharia**, “Picture grammar for Santal floor design as radial language”, co-authored with Mary RajneeToppo, at international conference on “New Frontiers in Mathematics and Computing”, Lady Doak College, Madurai, Tamil Nadu, 18 – 19 February, 2019.

□ **Minz Sonajharia**, “Rice Plant Disease Classification using Transfer Learning of Deep Convolution Neural Network” co-authored with Monoj Kumar Pradhan, Vimal K. Shrivastava, Monoj K. Pradhan, Mahesh P. Thakur, at ISPRS-GEOGLAM- ISRS Joint international workshop 2019 on “Earth Observations on Agricultural Monitoring”, New Delhi, 18 – 20 February, 2019.

□ **Agrawal R. K.**, (with Jyoti Singh Kirar), “Relevant Frequency Band Selection using Sequential Forward Feature Selection for Motor Imagery Brain Computer Interfaces”, SSCI2018, 52-59, (2018).

□ Ruby Rani, and **Lobiyal D. K.**, “Social Choice Theory Based Domain Specific Hindi Stop Words List Construction and its Application in Text Mining”. IHCI, 2018: 123-135, Allahabad.

□ Goonjan Jain, and **Lobiyal D. K.**, “Word Sense Disambiguation of Hindi text using Fuzzy Semantic Relations and Fuzzy Hindi WordNet” in *CONFLUENCE*, 2019, international conference on IEEE held in Amity University, Noida, 10 – 11 January, 2019.

□ Goonjan Jain, **Lobiyal D. K.**, “Epidemic Spreading Based Word Sense Disambiguation of Hindi Text” in ICCCS 2018, held in Dronacharya College of Engineering, Gurgaon, 1 – 2 December, 2018.

□ Manish Gupta, C.P. Safvan, Kundan Singh, and **Lobiyal D. K.**, “Modeling and Simulation of On-chip Probe for Portable NMR Applications”, in the proceedings of 40th Progress in Electromagnetics Research Symposium 2018, Toyama, Japan, 2018.

□ Addisalem Genta; and **Lobiyal D. K.**, “Performance evaluation of Wavelet-based image Compression for Wireless Multimedia sensor network”, international conference on Advances in Computing and Data Sciences, Springer Singapore pp. 402-412, April, 2018.

□ Addisalem Genta; and **Lobiyal D. K.**, “Energy-aware Image processing technique for Wireless multimedia Sensor network”, international conference on Communication and Computing Systems, CRC Press, December, 2018.

□ Dinesh Kumar, Gaurav Baranwal, Zahid Raza, **Vidyarthi D.P.**, Fair Mechanisms for Combinatorial Reverse Auction-Based Cloud Market, Proceedings of ICTIS 2018, Volume 2, DOI: 10.1007/978-981-13-1747-7_26, In book: Information and Communication Technology for Intelligent Systems, January, 2019.

□ **Raza Zahid**, “Reliability Based Resource Scheduling approach using Hybrid PSO-GA in Mobile Computational Grid”, co-authored with Krishan Veer Singh, 2nd international conference on “Data & Information Sciences” (ICDIS 2019), Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra, Uttar Pradesh, 29 – 30 March, 2019.

286

□ **Raza Zahid**, “Using Supply Chain Management Approach for Message Forwarding for Internet of Things (IoT)”, co-authored with Sumit Kumar, Abstract Published in the international conference on Technology, Engineering and Science (IConTES 2018), Antalya, Turkey, pp. 37, 26 – 29 October, 2018.

□ **Raza Zahid**, “Fair Mechanisms for Combinatorial Reverse Auction based Cloud Market”, co-authored with Dinesh Kumar, Gaurav Baranwal and Deo Prakash Vidyarthi, Third international conference on “Information and Communication Technology for Intelligent Systems (ICTIS-2018)”, Ahmedabad, India, pp 267-277 (ISBN: 978- 981-13-1747-7), 6 – 7 April, 2018.

□ Sheeba Naaz, **Sharan Aditi**, Nidhi Malik, “Sentiment Classification on Twitter Data using Support Vector Machine”, IEEE/WIC/ACM international conference on Web Intelligence (WI), held in Chile, 3 – 6 December, 2018.

□ Vinod Kumar, **Kumar Sushil**, “Coverage Preserving Scheduling for Life Span Maximization in Wireless Sensor Network based Internet of Things”, International conference on Communication and Computing Systems (ICCCS- 18) , Gurgaon, 1 – 2 December, 2018.

□ M. N. Pavan, **Kumar Sushil**, and G. Nayak, “Interference Aware Resource Allocation (IARA) in Cognitive Radio Networks,” 2018 IEEE 13th international conference on Industrial and Information Systems (ICIIS), Rupnagar, India, pp. 202-206, 2018.

□ A Sharma, **Agarwal Poonam**, “Triboelectric Energy Harvester Performance Enhancement by Incorporating Nonuniform Microstructured Patterns on the PDMS Surface,” poster National Science Day, jointly organized by JNU New Delhi and Department of Science and Technology Govt of India. Best Poster award, 28 February, 2019.

- A Sharma, **Agarwal Poonam**, "Impact of Rough Surface Morphology of Diluted Poly-DiMethyl-Siloxane (PDMS) Polymer Film on Triboelectric Energy Harvester Performance," IEEE international conference on Sustainable Energy, Electronics & Computing Systems (SEEMS-2018), ITS Engineering College, Greater Noida, U.P, 26 – 27 October, 2018.
 - Swadesh Kumar Maurya, **Choudhary Ayesha**, "Deep Learning based Vulnerable Road User Detection and Collision Avoidance". IEEE ICVES, Spain, September, 2018: 1-6.
 - Bindu Verma, **Choudhary Ayesha**, "Deep Learning Based Real-Time Driver Emotion Monitoring.", IEEE ICVES, Spain, 1 – 6 September, 2018.
 - Pramod Kumar Soni, **Choudhary Ayesha**, "Automated Fall Detection Using Computer Vision.", IHCI, India, December, 2018: 220-229.
 - Any Gupta, **Choudhary Ayesha**, "A Framework for Real-time Traffic Sign Detection and Recognition using Grassmann Manifolds." IEEE ITSC, Hawaii, October, 2018: 274-279.
 - Bindu Verma, **Choudhary Ayesha**, "A Framework for Driver Emotion Recognition using Deep Learning and Grassmann Manifolds." IEEE ITSC, Hawaii, October, 2018: 1421-1426.
 - Pramod Kumar Soni, **Choudhary Ayesha**, "Automated Fall Detection from a Camera Using Support Vector Machine", Second international conference on Advanced Computational and Communication Paradigms (ICACCP) , Sikkim, February, 2019.
 - Swadesh Kumar Maurya, **Choudhary Ayesha**, "Pedestrian Detection and Vulnerability Decision in Videos", Second international conference on Advanced Computational and Communication Paradigms (ICACCP), Sikkim, February, 2019.
 - Gopal Singh Rawat and **Singh Karan**, "Detection and Prevention of Vulnerabilities in Open Source Software: An experimental study" Conference: international conference on Communication and Computing Systems (ICCCS 2018), 1 – 2 December, 2018.
 - Gopal Singh Rawat and Latha, **Singh Karan**, "Improving scalability, sparsity and cold start user problems in collaborative tagging with incremental clustering and trust" Conference: international conference on Communication and Computing Systems (ICCCS 2018), 1 – 2 December, 2018.
 - Ahmed Aziz, **Singh Karan**, and Walid Osamy, "Lightweight Simulated Annealing Based Reconstruction Algorithm for Sparse Binary Signals" Proceedings of the 2nd international conference on Communication and Computing Systems (ICCCS 2018), Gurgaon, India, 1 – 2 December, 2018 (Best Paper).
 - L. Beloni Devi, Kundan Singh, Jitendra Kumar and **Srivastava A.**, "Impact of Substrate Bias Polarity on performance of Complementary Symmetric Lateral Bipolar on SiGe-OI Inverter", IEEE 13th Nanotechnology Materials & Devices Conference (NMDC 2018), Portland, Oregon, USA, October, 2018.
 - NeeruMeena and **Singh Buddha**, "Coverage Maximization using Multi-Objective Optimization Approach for Wireless Sensor Network in Real Time Environment." 2018 IEEE 8th International Advance Computing Conference (IACC). IEEE, December, 2018.
- 287**
- Laxmi Chaudhary, and **Singh Buddha**, "Community Detection using Fast Cosine Shared Link Method." 2018 IEEE 8th International Advance Computing Conference (IACC). IEEE, December, 2018.
 - Laxmi Chaudhary, and **Singh Buddha**, "Community detection using Maximizing Modularity and similarity measures in social networks", international conference on Smart IoT Systems: Innovations and Computing (SSIC 2018) (Springer) January, 2019.
 - Laxmi Chaudhary, and **Singh Buddha**, "Community Detection Using an Enhanced Louvain Method in Complex Networks." International conference on Distributed Computing and Internet Technology. Springer, Cham, January, 2019.
 - Majethia, Rahul and **Krishnan Rajkumar**, "Mining channel state information from Bluetooth low energy RSSI for robust object-to-object ranging, IOT'18" Proc. of the 8th international conference on the Internet of Things, U.C. Santa Barbara, California, No. 23, ACM, 2018.

School of Environmental Sciences

Journal/Research Articles: (153)

- Kumar, N., **Ramanathan A.L.**, Keesari, T., Chidambaram, S., Ranjan, S., Soheb, M., & Tranter, M. Tracer-based estimation of temporal variation of water sources: an insight from supra- and subglacial environments, *Hydrological Sciences Journal*, 2018, 63(11), 1717-1732.
- Kumar, M., Nagdev, R., Tripathi, R., Singh, V. B., Ranjan, P., Soheb, M., & **Ramanathan A.L.**, Geospatial and multivariate analysis of trace metals in tubewell water using for drinking purpose in the upper Gangetic basin, India: Heavy metal pollution index, *Groundwater for Sustainable Development*, 2019, Vol.8, 122-133.
- Kaushik, S., Dharpure, J. K., Joshi, P. K., **Ramanathan A.L.**, & Singh, T. Climate change drives glacier retreat in Bhaga basin located in Himachal Pradesh, India, *Geocarto International*, 2019, 1-20.
- Ghosh, S., Bakshi, M., Kumar, A., **Ramanathan A.L.**, Biswas, J. K., Bhattacharyya, S., ... & Rinklebe, J. Assessing the potential ecological risk of Co, Cr, Cu, Fe and Zn in the sediments of Hooghly–Matla estuarine system, India, *Environmental Geochemistry and Health*, 2019, 41 (1), 53-70.
- Kumar, N., **Ramanathan A.L.**, Tranter, M., Sharma, P., Pandey, M., Ranjan, P., & Raju, N. J. Switch in chemical weathering caused by the mass balance variability in a Himalayan glacierized basin: a case of Chhota Shigri Glacier, *Hydrological Sciences Journal*, 2019, 64 (2), 179-189.
- Ranjan, S., **Ramanathan A.L.**, & Singh, V. B. Extreme Climate Event Footprint at Delhi, India: A Comparison of Last One Decade Meteorological Conditions, *Journal of Climate Change*, 2019, 5(1), 33-40.
- Gupta, A., & **Ramanathan A.L.**, Grain texture as a proxy to understand porosity, permeability and density in Chandra Basin, India, *SN Applied Sciences*, 2019, 1 (1), 1.
- Srivastava, S. K., & **Ramanathan A.L.**, Geochemical assessment of fluoride enrichment and nitrate contamination in groundwater in hard-rock aquifer by using graphical and statistical methods, *Journal of Earth System Science*, 2018, 127 (7), 104.
- Panda, B., Chidambaram, S., Ganesh, N., Adithya, V. S., Pradeep, K., Vasudevan, **Ramanathan A.L.**, U., ... & Paramaguru, K., A study on mountain front recharge by using integrated techniques in the hard rock aquifers of southern India, *Environment, Development and Sustainability*, 2018, 20 (5), 2243-2259.
- Vincent, C., Soruco, A., Azam, M. F., Basantes-Serrano, R., Jackson, M., Kjølmoen, B. & **Ramanathan A.L.**, A nonlinear statistical model for extracting a climatic signal from glacier mass balance measurements, *Journal of Geophysical Research: Earth Surface*, 2018, 123 (9), 2228-2242.
- Kumar, M., **Ramanathan A.L.**, Ranjan, S., Singh, V. B., Kumar, N., Yadav, S. K., ... & Bhattacharya, P., Groundwater evolution and its utility in upper Ganges-Yamuna Alluvial plain of Northern India, India: Evidence from solute chemistry and stable isotopes, *Groundwater for Sustainable Development*, 2018, 7, 400-409.
- Singh, U. K., **Ramanathan A.L.**, & Subramanian, V., Groundwater chemistry and human health risk assessment in the mining region of East Singhbhum, Jharkhand, India, *Chemosphere*, 2018, 204, 501-513.
- Srivastava, S. K., & **Ramanathan A.L.**, Assessment of landfills vulnerability on the groundwater quality located near floodplain of the perennial river and simulation of contaminant transport, *Modeling Earth Systems and Environment*, 2018, 4(2), 729-752.
- Rao, K., Priya, N., & **Ramanathan A.L.**, Impact of seasonality on the nutrient concentrations in Gautami-Godavari Estuarine Mangrove Complex, Andhra Pradesh, India, *Marine Pollution Bulletin*, 2018, 129(1), 329-335.
- Ranjan, P., Rao, K., Kumar, A., & **Ramanathan A.L.**, Heavy Metal Distribution and Accumulation from Natural and Anthropogenic Sources in Tropical, Threats to Mangrove Forests: Hazards, Vulnerability, and Management, 2018, 25, 343.
- Vincent, C., Soruco, A., Azam, F., Basantes-Serrano, R., Jackson, M., Kjølmoen, B., ... & **Ramanathan A.L.**, Spatio-temporal mass balances variability of four glaciers in different climate regimes, in *EGU General Assembly Conference Abstracts*, 2018, April, (Vol. 20, p. 8844).
- Devrani, R., Mudd, S. M., Singh, V., & **Ramanathan A.L.**, Predicting sensitive reaches during an extreme event in the headwaters of the Ganga River Basin, NW Himalaya, in *EGU General Assembly Conference Abstracts* 2018, April, (Vol. 20, p. 1348).
- Soheb, M., **Ramanathan A.L.**, Pandey, M., & Vatsal, S. 8 Change in Volume of Glaciers and Glacierets in Two Catchments of Western Himalayas, India since 1993–2015, in *Geospatial Applications for Natural Resources Management* 2018, (pp. 123-129). CRC Press.

□ Dutta, S., & Ramanathan A.L., Understanding the Spatio-Temporal Monitoring of Glaciers: Application of Geospatial Technology. In *Geospatial Applications for Natural Resources Management*, 2018, (pp. 27-50), CRC Press.

289

□ Ranjan, P., Ramanathan A.L., Kumar, A., Singhal, R. K., Datta, D., & Venkatesh, M. Trace metal distribution, assessment and enrichment in the surface sediments of Sundarban mangrove ecosystem in India and Bangladesh, *Marine Pollution Bulletin*, 2018, 127, 541-547.

□ Kumar, M., & Ramanathan A.L., Vertical geochemical variations and speciation studies of As, Fe, Mn, Zn, and Cu in the sediments of the central Gangetic basin: Sequential extraction and statistical approach, *International journal of environmental research and public health*, 2018, 15(2), 183.

□ Chidambaram, S., Ramanathan A.L., Thilagavathi, R., & Ganesh, N. Correction to: Cauvery River, in *The Indian Rivers*, 2018, (pp. E1-E1). Springer, Singapore.

□ Parween, M., & Ramanathan A.L., Wastewater Management to Environmental Materials Management, *Handbook of Environmental Materials Management*, 2018, 1-24.

□ Singh, V. B., Ramanathan A.L., Angchuk, T., Kumar, N., Soheb, M., Mandal, A., & Kumar, P. Meteorological Characteristics of the Chhota Shigri Glacier, Lahaul-Spiti Valley, Himachal Pradesh, Northern India, *Journal of Climate Change*, 2018, 4 (2), 41-49.

□ Chidambaram, S., Thivya, C., Ramanathan A.L., Thilagavathi, R., & Prasanna, M. V. Characterization of Coastal Aquifers in SE Coast of India, in *Groundwater of South Asia*, 2018, (pp. 475-495), Springer, Singapore.

□ Ranjan, P., Rao, K., Kumar, A., & Ramanathan A.L., Heavy Metal Distribution and Accumulation from Natural and Anthropogenic Sources in Tropical Mangroves of India and Bangladesh, in *Threats to Mangrove Forests*, 2018, (pp. 343-363). Springer, Cham.

□ Singh, V. B., Ramanathan A.L., Keshari, A. K., Ranjan, S., Kumar, N., & Yadav, S. K. Climatic Influence on Hydrogeochemistry of Meltwater Draining from Chhota Shigri Glacier, Himachal Pradesh, India, *Journal of Climate Change*, 2018, 4(1), 23-31.

□ Singh, V. B., & Ramanathan A.L., Suspended sediment dynamics in the meltwater of Chhota Shigri glacier, Chandra basin, Lahaul-Spiti valley, India, *Journal of Mountain Science*, 2018, 15(1), 68-81.

□ Chidambaram, S., Ramanathan A.L., Thilagavathi, R., & Ganesh, N. Cauvery River, in *The Indian Rivers* 2018, (pp. 353-366). Springer, Singapore.

□ Ranjan, P., & Ramanathan A.L., Hooghly River, in *The Indian Rivers* 2018, (pp. 251-257), Springer, Singapore.

□ Soheb, M., Ramanathan A.L., Mandal, A., Angchuk, T., Pandey, N., & Mishra, S. D. *Wintertime surface energy balance of a high-altitude seasonal snow surface in Chhota Shigri glacier basin*, Western Himalaya, Geological Society, London, Special Publications, 2018, 462(1), 155-168.

□ Thakur I.S., and Medhi, K. Nitrification and denitrification processes for mitigation of nitrous oxide from waste water treatment plants for biovalorization: challenges and opportunities, *Bioresource Technology*, 2019, 282, 502– 513.

□ Maheshwari, N., Kumar, M., Thakur I.S., and Srivastava, S. Cloning, expression and characterization of β - and γ - carbonic anhydrase from *Bacillus* sp. SS105 for biomimetic sequestration of CO₂, *International Journal of Biological Macromolecules*, 2019,131, 445–452.

□ Gupta, J., Rathour, R., Singh, R. and Thakur I.S., Production and characterization of extracellular polymeric substances (EPS) generated by a carbofuran degrading strain *Cupriavidus* sp. ISTL7, *Bioresource Technology*, 2019,282, 417-424.

□ Kumar, M., Kumar, M., Pandey, A. and Thakur I.S., Genomic analysis of carbon dioxide sequestering bacterium for exopolysaccharides production. *Scientific Reports*, 2019, 9, 4270 DOI: 10.1038/s41598-019-41052-0.

□ Hiloidhari, M., Baruah, D.C., Kumari, M., Kumari, S. and Thakur I.S., Prospect and potential of biomass power to mitigate climate change: A case study in India, *Journal Cleaner Production*, 2019, 220, 931-944.

□ Tripathi, R., Gupta, A. and Thakur I.S., An integrated approach for phycoremediation of wastewater and sustainable biodiesel production by green microalgae, *Scenedesmus* sp. ISTGA1, *Renewable Energy*, 2019,135, 617- 625, Impact factor-4.981.

□ Ghosh, P., Shah, G., Chandra, R., Sahota, S., Kumar, H., Vijay, V.K. and Thakur I.S., Assessment of methane emissions and energy recovery potential from the municipal solid waste landfills of Delhi, India, *Bioresource Technology*, 2019, 272, 611-615.

□ Maheshwari, N., Kumar, M., Thakur I.S., and Srivastava, S. Carbon dioxide biofixation by free air CO₂ enriched (FACE) bacterium for biodiesel production, *Journal of CO₂ Utilization*, 2018, 27, 423-432.

□ Rathour, R., Gupta, J., Tyagi, B., Kumari, T. and Thakur I.S., Biodegradation of pyrene in soil microcosm by *Shewanella* sp. ISTPL2, a psychrophilic, alkalophilic and halophilic bacterium, *Bioresource Technology Reports*, 2018, 4, 129-136.

□ Singhal, A., Kumar, M., Bhattacharya, M., Kumari, N., Jha, P.K., Chauhan, D.K and **Thakur I.S.**, Pretreatment of *Leucaena leucocephala* wood by acidified glycerol: optimization, severity index and correlation analysis, *Bioresource Technology*, 2018, 265, 214-223.

290

□ Kumar, M. and **Thakur I.S.**, Municipal secondary sludge as carbon source for production and characterization of biodiesel from oleaginous bacteria, 2018, *Bioresource Technology Reports* 4, 106-113.

□ Kumar, M., Verma, S., Gazara, R.K., Kumar, M., Pandey, A., Verma, P.K. and **Thakur I.S.**, Genomic and proteomic analysis of lignin degrading and Polyhydroxyalkanoate accumulating β -proteobacterium *Pandora sp.* ISTKB, *Biotechnology for Biofuels*, 2018, 11:154.

□ Kumari, M. and **Thakur I.S.**, Biochemical and proteomic characterization of *Paenibacillus sp.* ISTP10 for its role in plant growth promotion and in rhizostabilization of cadmium, *Bioresource Technology Report*, 2018, 3, 59-66. □ Kumar, M., Mishra, A., Singh, S.S., Srivastava, S. and **Thakur I.S.**, Expression and characterization of novel laccase gene from *Pandora sp.* ISTKB and its application, *International Journal of Biological Macromolecules*, 2018, 115, 308-316.

□ Hiloidharia, M., Araújo, K., Kumari, S., Baruah, D.C., Ramachandra, T.V., Katak, R. and **Thakur I.S.**, Bioelectricity from sugarcane bagasse co-generation in India—An assessment of resource potential, policies and market mobilization opportunity for the case of Uttar Pradesh, *Journal of Cleaner Production*, 2018, 182, 1012-1023

□ Medhi, K., Mishra, A. and **Thakur I.S.**, Genome Sequence of a Heterotrophic Nitrifier-aerobic Denitrifier *Paracoccus denitrificans* Strain ISTOD1 Isolated from Wastewater, Genome announcement, 2018, 6, 15 e00210-18

□ Gupta, A. and **Thakur I.S.**, Biosafety assessment of municipal wastewater after treatment by *Serratia sp.* ISTVKR1, *International Journal of Environmental Science and Technology*, 2018, 15, 2095–2106.

□ Medhi, K. and **Thakur I.S.**, Biological nitrogen removal from wastewater by *Paracoccus denitrificans* ISTOD1: optimization of process parameters using response surface methodology, *Journal of Energy and Environmental Sustainability*, 2018, 5, 41-48.

□ Maurya, R., Kumar, M. and **Thakur I.S.**, Utilization of glycerol by *Bacillus sp.* ISTVK1 for production and characterization of Polyhydroxyvalerate, *Bioresource Technology Reports*, 2018, 2, 1-6.

□ **Thakur I.S.**, Kumar, M., Varjani, S.J., Wu, Y., Gnansounou, E., Ravindran, S. Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges, *Bioresource Technology*, 2018, 256, 478-490.

□ Medhi, K. and **Thakur I.S.**, Bioremoval of nutrients from wastewater by a denitrifier *paracoccus denitrificans* ISTOD1. *Bioresource Technology Reports*, 2018, 1, 56-60.

□ Sundaram, S. and **Thakur I.S.**, Induction of calcite precipitation through heightened production of extracellular carbonic anhydrase by CO₂ sequestering bacteria *Bioresource Technology*, 2018, Vol.253, 368-371. Impact factor 6.669.

□ Vargani, S., Gnansounou, E. and **Thakur I.S.**, A review on culture-dependent and -independent approaches used for microbial community fractions in petroleum oil reservoirs, *Indian Journal of Experimental Biology*, 2018, 56, 444- 450.

□ Kumar, M., Ghosh, P. and **Thakur I.S.**, Recovery of polyhydroxyalkanoates from municipal secondary wastewater sludge, *Bioresource Technology*, 2018, 255, 111-115.

□ Sahota, S., Shah, G., Ghosh, P., Kapoor, R., Sengupta, S., Singh, P., Vijay, V., Sahay, A., Vijay, V.K. and **Thakur I.S.**, Review of trends in biogas upgradation technologies and future perspectives, *Bioresource Technology Reports*, 2018, 1, 79-88.

□ Maheshwari, N., **Thakur I.S.**, and Srivastava, S. Production, Process optimization and Molecular characterization of Polyhydroxyalkanoate (PHA) by CO₂ sequestering *Bacillus cereus* SS105, *Bioresource Technology*, 2018, 254, 75-82.

□ Mishra, A., Jha, G. and **Thakur I.S.**, Draft genome sequence of *Zhihengliuella sp.* ISTPL4, a psychrotolerant and halotolerant bacterium isolated from Pangong Lake, India, *Genome Announcement*. *Genome*, 2018, 6 (5), e01533-17.

□ Sahota, S., Vijay, V.K., Subbarao, P.M.V., Chandra, R., Ghosh, P., Shah, G., Kapoor, R., Vijay, P., Koutu, V. and **Thakur I.S.**, Characterization of leaf waste based biochar for cost effective hydrogen sulphide removal from biogas, *Bioresource Technology*, 2018, 250, 635–641.

□ Mishra, A., Medhi, K., Maheshwari, N., Srivastava, S. and **Thakur I.S.**, Biofuel production and phycoremediation by *Chlorella sp.* ISTLA1 isolated from landfill site, *Bioresource Technology*, 2018, 253, 121-129. □ Kumar, M., Sundram, S., Gnansounou, E., Larroche, C. and **Thakur I.S.**, Carbon dioxide capture, storage and production of biofuel and biomaterials by bacteria: A review *Bioresource Technology*, 2018, 247, 1059–1068.

□ Payam sajadi, Amit Singh, **Mukherjee Saumitra**, Pingping Luo and Mamand Salari, Multivariate statistical analysis of relationship between Tectonic Activity and Drainage Behavior in Qorveh-Dehgolan

Basin Kurdistan, Iran. Geocarto International Taylor & Francis (Online), 2019, <https://www.tandfonline.com/doi/full/10.1080/10106049.2019.1611948>.

291

- Payam Sajadi, Amit Singh, **Mukherjee Saumitra**, and Kamran Chapi. Influence of structural lineaments on drainage morphometry in Quorveh-Dehgolan basin, Kurdistan, Iran, (2019) Geocarto International. Taylor and Francis. DOI: 10.1080/10106049.2019.1573927.
- Maurya P, Kumari Rina and **Mukherjee Saumitra**, Hydrochemistry in integration with Stable Isotopes ($\delta^{18}O$ and δD) to assess Seawater intrusion in coastal aquifers of Kachchh district, Gujarat, India, *Journal of Geochemical Exploration* (2019) 196, 42-56.
- Singh, P., Asthana, A., Rena, V., Kushwaha, J., and **Mukherjee Saumitra**, Hydrogeochemical processes controlling fluoride enrichment within alluvial and hard rock aquifers in a part of a semiarid region of Northern India, *Jour. Environmental Earth Sciences*, (2018) 77,475.
- Kumari, Rina, Datta, P..., Rao, M., S., **Mukherjee Saumitra**, and C. A Vishwakarma. Anthropogenic perturbations induced groundwater vulnerability to pollution in the Industrial Faridabad District, Haryana India, *Environmental Earth Sciences*, (2018) Vol.77, 187.
- Vishwakarma, C.A., and **Mukherjee Saumitra**, Geochemical characterization and controlling factors of chemical composition of spring water in a part of Eastern Himalaya, *Journal of the Geological Society of India*, 2018, 92 (6) 753-763.
- Kumari, A. and **Kulshrestha U.C.**, Trace Ambient Levels of Particulate Mercury and Its Sources at a Rural Site Near Delhi, *Journal of Atmospheric Chemistry*, 2018, DOI: 10.1007/s10874-018-9377-0.
- Sharma, A., Singh, S. and **Kulshrestha U.C.**, *Aerosol-trace gases interactions and their role in air quality control of Delhi city (India), *Arabian J. of Geosciences*, 2018, DOI: 10.1007/s12517-018-3695-z.
- Sharma, D., and **Kulshrestha U.C.**, *Chemistry of atmospheric dust and critical load assessment in Delhi region (India), *Chemistry and Ecology*, 2018, DOI:10.1080/02757540.2018.1444036.
- Arora, A., Kumari A. and **Kulshrestha U.C.**, *Respirable Mercury Particulates and Other Chemical Constituents in Festival Aerosols in Delhi, *Current World Environment*, 2018, 13(1).DOI:<http://dx.doi.org/10.12944/CWE.13.1.02>.
- Acharya, P, Sreekesh, S., **Kulshrestha U.C.**, and Gupta, G. Characterisation of emission from open-field burning of crop residue during harvesting period in north-west India, *Environmental monitoring and assessment*, 2018, 190 (11), 663.
- Verma K and **Kulshrestha U.C.**, *Feasible Mitigation Options for Air Pollution and Traffic Congestion in Metro Cities, *J Indian Geophysical Union*, 2018, 22(2), 212-218.
- Singh, M., Jaiswal, A., Ulman, Y. & **Kumar K.**, Vocal adjustments in purple sunbird 1 (*Cinnyris asiaticus*) at noisy habitats. *Acta Acustica United with Acustica*, 2019, 105, 294-300. DOI 10.3813/AAA.919312.
- Kumar, A., Singh, D., **Kumar K.**, Singh, B. B., & Jain, V. K. Distribution of VOCs in urban and rural atmospheres of subtropical India: Temporal variation, source attribution, ratios, OFP and risk assessment, *Science of the Total Environment*, 2018, 613, 492-501.
- R. Sawlani, R. Agnihotri, C. Sharma, P. K. Patra, **Dimri A.P.**, K. Ram and R. L. Verma. The severe Delhi SMOG of 2019: a case of delayed crop residue burning, coincident firecracker emissions and atypical meteorology, *Atmospheric Pollution Research*. <https://doi.org/10.1016/j.apr.2018.12.015>.
- A. Choudhary, **Dimri A.P.**, and H. Paeth. Added value of CORDEX-SA experiments in simulating Indian Summer Monsoon precipitation over India, *International Journal of Climatology*. DOI: 10.1002/joc.5942.
- A. Choudhary and **Dimri A.P.**, on bias correction of summer monsoon precipitation over India from CORDEX-SA simulations, *International Journal of Climatology*. DOI: 10.1002/joc.5889.
- P. Kumar, J. Sanwal, **Dimri A.P.**, and R. Ramesh. Contribution of diverse monsoon precipitation over Central and Northern India during Mid to Late Holocene. Quaternary, *International*. DOI:10.1016/j.quaint.2018.10.003.
- **Dimri A.P.**, D. Kumar, S. Chopra and A. Choudhary, Indus: Climate and Water Budget, *International Journal of Climatology*, 2018;1–12. <https://doi.org/10.1002/joc.5816>.
- Shruti Singh, Rajesh Kumar and **Dimri A.P.**, Mass Balance Status of Indian Himalayan Glaciers: A brief review, *Frontiers in Environmental Science - Interdisciplinary Climate Studies*, Research Topic: Himalayan Climate Interactions, 6:30. DOI: 10.3389/fenvs.2018.00030.
- A. Shikha, P. Maharana, K. K. Singh, **Dimri A.P.**, and R. Niwas. A modeling case study of cotton crop in changing climate, *Current Science*, 115 (5), 10 September, 2018
- T. M. Midhuna and **Dimri A.P.**, Impact of Arctic Oscillation on Indian Winter Monsoon, *Meteorology and Atmospheric Physics*. DOI: 10.1007/s00703-018-0628-z.
- V. Goel, S. K. Mishra, A. Ahlawat, C. Sharma, N. Vijayan, S. R. Radhakrishnan **Dimri A.P.**, and R. K. Kotnala. Effect if reduced traffic density on characteristics of particulate matter over Delhi, *Current Science*, Vol. 115, No. 2, 25 July, 2018

- P. Kumar and **Dimri A.P.**, Energetics of Indian winter monsoon, *Journal of Earth System Sciences*, 127(73), 2018, DOI: 10.1007/s12040-018-0976-6.
- 292**
- G. Agnihotri and **Dimri A.P.**, Observed structure of convective echoes over southern Indian peninsula during premonsoon using TRMM Precipitation Radar, *Mausam*, 69 (2), 193-208, April, 2018
- A. Choudhary and **Dimri A.P.**, Performance of an ensemble of CORDEX-SA simulations in representing maximum and minimum temperature over the Himalayan region, *Theoretical and Applied Climatology*, DOI: 10.1007/s00704-018-2532-3.
- R. J. Thayyen and **Dimri A.P.**, Modeling slope environmental lapse rate (SELR) of temperature in the monsoon glacio-hydrological regime of the western Himalaya, *Frontiers in Earth Science- Interdisciplinary Climate Studies*, Himalayan Climate Interactions, DOI: 10.3389/fenvs.2018.00042.
- S. Nawaz Ali, Jyotsna Dubey, Ruby Ghosh, M. Firoze Quamar, Anupam Sharma, P. Morthekai, **Dimri A.P.**, Mayank Shekhar and Shailesh Agrawal, High frequency abrupt shifts in the Indian summer monsoon since Younger Dryas in the Himalaya, *Scientific Reports*, (2018) 8:9287, DOI: 10.1038/s41598-018-27597-6.
- C. Xu, M. Sano, **Dimri A.P.**, R. Ramesh, T. Nakatsuka, F. Shi and Z. Guo. Decreasing Indian summer monsoon in northern Indian sub-continent during the last 180 years: evidence from five tree cellulose oxygen isotope chronologies, *Climate of the Past (PAGES2k special issue)* 14, 653-664, 2018, <https://doi.org/10.5194/cp-14-653-2018>.
- S. G. Kutty, G. Agnihotri, **Dimri A.P.**, and I. Gulpepe. Fog Occurrence and associated meteorological factors over Kempegowda International Airport, India, *PAGEOPH*, <https://doi.org/10.1007/s00024-018-1882-1>.
- **Dimri A.P.**, Comparison of regional and seasonal changes and trends in daily surface temperature extremes over India and its sub-regions, *Theoretical and applied Climatology*, <https://doi.org/10.1007/s00704-018-2486-5>.
- Mifta ul Shafi, Rehana Rasool, Pervez Ahmed and **Dimri A.P.**, Temperature and Precipitation trends in Kashmir Valley, North Western Himalayas, *Theoretical and applied Climatology*, <https://doi.org/10.1007/s00704-018-2377-9>.
- **Dimri A.P.**, D. Kumar, A. Choudhary and P. Maharana. Future changes over the Himalayas: Maximum and minimum temperature, *Global and Planetary Change*, 162, 212-234, <https://doi.org/10.1016/j.gloplacha.2018.01.015>.
- **Dimri A.P.**, D. Kumar, A. Choudhary and P. Maharana. Future changes over the Himalayas: Mean temperature, *Global and Planetary Change*, 162, 235-251, <https://doi.org/10.1016/j.gloplacha.2018.01.015>.
- Prince Kumar, Shamseer Kulangara, Kandi, Sunny Manohar, **Mukhopadhyay K.**, Diwan S. Rawat “Monocarbonyl curcuminoids with improved stability as antibacterial agents against *Staphylococcus aureus* and their mechanistic studies,” *ACS Omega*, 2019, 4 (1), pp 675-687 DOI: 10.1021/acsomega.8b02625.
- Siddhartha Kumar, Arvind Kumar, Manisha Kaushal, Prince Kumar, **Mukhopadhyay K.**, Antresh Kumar “Fungal - derived xenobiotic exhibits antibacterial and antibiofilm activity against *Staphylococcus aureus*,” *Drug Discoveries & Therapeutics*. 2018; 12(4):214-223 DOI: 10.5582/ddt.2018.01042.
- Madhuri Singh, Tahsina Shireen, **Mukhopadhyay K.**, “Susceptibility of clinical isolates of *Staphylococcus aureus* to Alpha-Melanocyte stimulating hormone and its in-vivo efficacy,” *American J Clin Microbiol Antimicrob*. 2018; 1(3): 1014.
- Manvendra Patel, Rahul Kumar, Kamal Kishor, Todd Mlsna, Charles U. Pittman, Jr. & **Mohan D.**, Pharmaceuticals of Emerging Concern in Aquatic Systems: Chemistry, Occurrence, Effects and Removal Methods, *Chemical Reviews*, 119(6), pp. 3510-3673, 2019.
- NaradaBombuwalaDewage, Achala S. Liyanage, Quanisha Smith, Charles U. Pittman, Jr., Felio Perez, El Barbary Hassan, **Mohan D.**, and Todd Mlsna, Fast aniline and nitrobenzene remediation from water on magnetized and nonmagnetized Douglas fir biochar, *Chemosphere*, Vol.225, pp. 943-953, 2019.
- Susan S. A. Alkurdi, IndikaHerath, Jochen Bundschuh, Raed Al-Juboori, **Mohan D.**, Meththika Vithanage, Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research? *Environmental International*, Vol. 127, pp.52-69, 2019
- Yanchun Deng, Yong Sik Ok, **Mohan D.**, Charles U. Pittman, Jr., Xiaomin Dou Carbamazepine removal from water by carbon dot modified magnetic carbon nanotubes, *Environmental Research*, Vol.169, pp. 434-444, 2019.
- Kwai Malak Kwai Kut, Ankur Sarswat, Jochen Bundschuh and **Mohan D.**, Water as key to the Sustainable Development Goals of South Sudan – A water quality assessment of Eastern Equatoria State, *Groundwater for Sustainable Development*, Vol. 8, pp 255-270, 2019.
- Svetlana Sushkova, Tatiana Minkina, Irina Deryabkina, Vishnu Rajput, Elena Antonenko, Olga Nazarenko, Brijesh Kumar Yadav, Erdogan Hakki, and **Mohan D.**, Environmental pollution of soil with PAHs in energy producing plants zone, *Science of the Total Environment*, 655, pp 232-241, 2019.

□ NaradaBombuwalaDewage, Ruth E. Fowler, Charles U. Pittman, Jr., **Mohan D.**, Todd Mlsna, Lead (Pb²⁺) sorptive removal using chitosan- modified biochar: batch and fixed-bed studies, *RSC advances*, 8, pp25368-25377, 2018

□ Narada Bombuwala Dewage, Achala S. Liyanage, Charles U. Pittman Jr., **Mohan D.**, and Todd Mlsna, Fast nitrate and fluoride adsorption and magnetic separation from water on α -Fe₂O₃ and Fe₃O₄ dispersed on Douglas fir biochar. *Bioresource Technology*, Vol. 263, pp. 258-265, 2018.

293

□ Xiaomin Dou, Gui-Chang Wang, Mengqiang Zhu, Fudong Liu, Wei Li, **Mohan D.**, Charles U. Pittman Jr. Identification of Fe and Zr oxide phases in an iron-zirconium binary oxide and arsenate complexes adsorbed onto their surfaces. *Journal of Hazardous Materials*, 353, pp 340-347, 2018.

□ AkilaG.Karunanayake Olivia Adele Todd Morgan Crowley Lindsey Ricchetti Charles U. Pittman Jr. Renel Anderson, **Mohan D.**, and Todd Mlsna. Lead and cadmium remediation using magnetized and nonmagnetized biochar from Douglas fir, *Chemical Engineering Journal*, Vol.331, pp. 480-4911, 2018.

□ **Mohan D.**, Kumar Abhishek, Ankur Sarswat, Manvendra Patel, Prachi Singh and Charles U. Pittman Jr. Biochar production and applications in soil fertility and carbon sequestration – a sustainable solution to crop-residue burning in India, *RSC advances*, Vol. . 8, pp508-520, 2018.

□ Nepolion Borah, Florida Devi Athokpam, RL Semwal & **Garkoti S.C.**, Chakhao (Black Rice; *Oryza sativa* L.): A culturally important and stress tolerant traditional rice variety of Manipur, *Indian Journal of Traditional Knowledge*. , 17(4), October 2018, pp. 789-794.

□ Sadaf Nazneen, **Raju N.J.**, Sughosh Madhav and ArifAhamad Spatial and temporal dynamics of dissolved nutrients and factors affecting water quality of Chilika lagoon, , *Arabian Journal of Geosciences*, Vol.12, pp.243, 2019 (<https://doi.org/10.1007/s12517-019-4417-x>).

□ ArifAhamad, **Raju N.J.**, Sughosh Madhav, Wolfgang Gossel and Peter Wycisk Impact of nonengineered Bhalswalandfill on groundwater from Quaternary alluvium in Yamuna flood plain and potential human health risk, New Delhi, India, *Quaternary International*. , 2018, Vol.507:352-369.

□ Sadaf Nazneen, Shubhra Singh and **Raju N.J.**, Heavy metal fractionation in core sediments and potential biological risk assessment from Chilika Lagoon, Odisha State, India, 2018, *Quaternary International*. 507:370-388.

□ Ricardo Olea, **Raju N.J.**, Juan Jose Egozcue, Vera Pawlowsky-Glahn and Shubhra Singh Advancements in hydrochemistry mapping: methods and application to groundwater arsenic and iron concentrations in Varanasi, Uttar Pradesh, India, *Journal of Stochastic Environmental Research and Risk Assessment*, , Vol.32, pp.241-259, 2018.(DOI 10.1007/s00477-017-1390-3).

□ P. Patel, **Raju N.J.**, BCS Rajareddy, U. Suresh, D.B. Sankar and TVK Reddy Heavy metal contamination in river water and sediments of the Swarnamukhi River basin, India: risk assessment and environmental implications, *Environmental Geochemistry and Health*, Vol.40:609-623, 2018 (DOI 10.1007/s10653-017-0006-7).

□ Rohit Gautam Kumari Vandana Singh Jayprakash Nirala Nina Nancy Murmu Ramovatar Meen, **Rajamani P.**, Oxidative stress-mediated alterations on sperm parameters in male Wistar rats exposed to 3G mobile phone radiation, *Andrologia* (2019), 51(3):e13201. Doi: 10.1111/and.13201. Epub 2018 November 20.

□ Rashmin khanam Raj kumar, Iram Iqbal Hejazi, Syed Shahabuddin, Ramovatar Meena, **Rajamani P.**, Nitin Yadav, Asif Iqbal Bhat ,Fareeda AtharNew N-benzhydrylpiperazine /1, 3, 4-oxadiazoles conjugates inhibit the proliferation, migration and induce apoptosis in HeLa cancer cells via oxidative stress-mediated mitochondrial pathway, *Journal of Cellular Biochemistry*, (2019) 120:1651-1666 (<https://doi.org/10.1002/jcb.27472>)

□ Irshad Ahmad Mir, Hammad Alam, Eepsita Priyadarshini, Ramavatar Meena, Kamla Rawat, **Rajamani P.**, Meryam Sardar Rizvi, H. B. Bohidar; Antimicrobial and biocompatibility of highly fluorescent ZnSe core and ZnSe@ZnS core-shell quantum dots, *J. Nanopart Res* Vol. 20:174(2018) (<https://doi.org/10.1007/s11051-018-4281-8>)

□ Hameed, A., Raja, P., Ali, M., Upreti, N., Kumar, N., **Tripathi J.K.**, Srivastava, P., Micromorphology, clay mineralogy, and geochemistry of calcic-soils from western Thar Desert: Implications for origin of palygorskite and southwestern monsoonal fluctuations over the last 30 ka. *Catena* (Elsevier), Vol.163, 378–398. (2018)

□ Maharana, C, S rivastava, D., **Tripathi J.K.**, Geochemistry of sediments of the Peninsular rivers of the Ganga basin and its implication to weathering, sedimentary processes and provenance, *Chemical Geology* (Elsevier), Vol. 483, 1–20. (2018)

□ Azam, M.M., Kumari, M., Maharana, C., Singh, A. K. and **Tripathi J.K.**, Recent insights into the dissolved and particulate fluxes from the Himalayan tributaries to the Ganga River, *Environmental Earth Science*, (Springer), Vol.77, pp.313, (2018),

- Gautam, K., **Tripathi J.K.**, Pareek, A., Sharma, D.K. Growth and secretome analysis of possible synergistic interaction between green algae and cyanobacteria, *Journal of bioscience and bioengineering* (Elsevier), Vol. 127, 213-221, (2019)
- Kumar, P., Kumar S., **Yadav S.**, Seasonal variations in size distribution, water-soluble ions, and carbon content of size-segregated aerosols over New Delhi, *Environmental Science and Pollution Research*, 2018, 25 (6): 6061-6078.
- Raj, A., Chakrabarti, B., Pathak, H., Singh, S.D., **Mina U.**, and Purakayastha, T.J., Growth, yield and nitrogen uptake in rice crop grown under elevated carbon dioxide and different doses of nitrogen fertilizer, 2019
- **Mina U.**, Deepak Singh Pranav Kumar, Climate Change Impacts on Plants Population and Community Ecological Attributes, Mitigation Strategies and Policy Interventions - A Review, *Applied Ecology and Environmental Sciences*, 6(4), 84-92
- 294**
- **Mina U.**, TK Chandrashekhara, S Naresh Kumar, MC Meena, S Yadav, S Tiwari, Deepak Singh, Pranav Kumar, Ram Kumar, Impact of particulate matter on basmati rice varieties grown in Indo-Gangetic Plains of India: Growth, biochemical, physiological and yield attributes. *Atmospheric Environment*, Vol. 188, September, 2018, Pp. 174-184
- R Mittal, B Chakrabarti, T Jindal, A Tripathi, **Mina U.**, R Dhupper. Carbon footprint is an indicator of sustainability in Rice-Wheat cropping system: A Review, *Chemical Science Review and Letters*, 2018, 7 (27), pp. 774-784.
- Swati Singh, Sandhya Farswan, **Mina U.**, AL. Ramanathan, Waste and Waste Management in India, JNU-ENVIS Newsletter issue on 'Waste Concern, Issue and Implications, 22 (4), 1-12.
- Swati Singh, Sandhya Farswan, **Mina U.**, AL. Ramanathan. An Indian perspective of reducing emission from deforestation and forest degradation (REDD+). JNU-ENVIS Newsletter issue on 'REDD+' ISSN: 0974-1364, 2019, 23 (3), pp1-14.
- Prasad D, Verma N, Bakshi M, Narayan OP, Singh AK, **Dua M.**, Johri AK. Functional Characterization of a Magnesium Transporter of Root Endophytic Fungus *Piriformospora indica*, *Front Microbiol.* 9:3231(2019).
- Gautam, R., Singh, K. V., Nirala, J., Murmu, N. N., **Meena R.**, & Rajamani, P. (2019). Oxidative stress-mediated alterations on sperm parameters in male Wistar rats exposed to 3G mobile phone radiation. *Andrologia*, e13201
- Nanostructured boron carbide (B₄C): a bio-compatible and recyclable photo-catalyst for efficient wastewater treatment. Singh, Paviter, Gurpreet Kaur, Kulwinder Singh, Manjot Kaur, Manjeet Kumar, **Meena R.**, Rajni Bala, and Akshay Kumar. *Materialia* (2018), <https://doi.org/10.1016/j.mtla.2018.08.001>, Vol. 1 page no. 258-264.
- New N-benzhydrylpiperazine 1, 3, 4-oxadiazoles conjugates inhibit the proliferation, migration and induce apoptosis in HeLa cancer cells via oxidative stress-mediated mitochondrial pathway, R. Khanam, R. Kumar, I.I. Hejazi, S. Shahabuddin, **Meena R.**, Paulraj R, A.R. Bhat and F. Athar, *Journal of Cellular Biochemistry*, 11 September, 2018, DOI: 10.1002/jcb.27472.
- Antimicrobial and biocompatibility of highly fluorescent ZnSe core and ZnSe@ ZnS core-shell quantum dots. Mir, Irshad Ahmad, Hammad Alam, Eepsita Priyadarshini, **Meena R.**, Kamla Rawat, Paulraj Rajamani, Meryam Sardar Rizvi, and H. B. Bohidar, *Journal of Nanoparticle Research* (2018), Vol.20, pp. 174.
- Singh, S., Lodhi, N., **Mishra A.K.**, Jose, S., Kumar, S.N., Kotnala, R.K., Assessment of satellite-retrieved surface UVA and UVB radiation by comparison with ground-measurements and trends over Mega-city Delhi, *Atmospheric Environment*, 2018, Vol.188,pp.60-70. (IF=3.629).
- Bali, K., **Mishra A.K.**, et. al Impact of dust storm on phytoplankton bloom over the Arabian sea: A case study during March 2012, *Environmental Science and Pollution Research*, 26(12):11940-11950, DOI: 10.1007/s11356-019-04602-7. Epub, 1 March, 2019. (IF= 2.8).
- Jangid, M., **Mishra A.K.**, Status of Air Pollution and Its Sources in Delhi. JNU-ENVIS Newsletter issue on 'Air Pollution: Status, Sources and Measurements' ISSN: 0974-1364, 2019, 23(1), pp.1-8.
- Tyagi, S., **Mishra A.K.**, Srivastava, A. The Status and Measurements Techniques of Monitoring of Airborne Particulate Matters over Delhi. JNU-ENVIS Newsletter issue on 'Air Pollution: Status, Sources and Measurements' ISSN: 0974-1364, 2019, 23(1):pp. 8-18.
- Sharma, S., **Mishra A.K.**, Climatic Implications of Particulate Component of Air Pollution. JNU-ENVIS Newsletter issue on 'Air Pollution: Socio-climatic Implications' ISSN: 0974-1364, 2019, 23(2):pp. 1-8.
- Kapur, S., **Mishra A.K.**, Kumar, K. Air Pollution: Implications to Human Health. JNU-ENVIS Newsletter issue on 'Air Pollution: Socio-climatic Implications' ISSN: 0974-1364, 2019, 23 (2):pp.8-12.
- Kaushik, S., J.K. Dharpure, **Joshi P.K.**, AL Ramanathan and T. Singh Climate change drives glacier retreat in Bhaga basin located in Himachal Pradesh, India, 2018, *Geocarto International* DOI.org/10.1080/10106049.2018.1557260

- Shukla, R., A. Agarwal, K. Sachdeva, J. Kurths, and **Joshi P.K.**, Climate change perception: an analysis of climate change and risk perceptions among farmer types of Indian Western Himalayas, 2018, *Climate Change* DOI: 10.1007/s10584-018-2314-z
- Tripathy, B.R., K. Seenipandi, H. Sajjad, **Joshi P.K.**, B.S. Chaudhary, P. Kumar Monitoring of seasonally variability and movement of suspended sediment concentration along Thiruvananthapuram coast using OLI sensor, 2018, *Ocean Science Discussions*, Vol. 14: 1085-1092.
- Mondal, B., S. Chakraborti, D. Das, **Joshi P.K.**, S. Maity, M. Pramanik and S. Chatterjee Evaluation of spatial modelling approach to simulate urban growth dynamics: A case Study on Udaipur city, India, 2018, *Geocarto International* <https://doi.org/10.1080/10106049.2018.1520922>
- Anees, MM, Shafa Sajjid, **Joshi P.K.**, Characterizing urban area dynamics in historic city of Kurukshetra, India using remote sensing and spatial metric tools, 2018, *Geocarto International* <https://doi.org/10.1080/10106049.2018.1499819>
- Kumar, P., H. Sajjad, **Joshi P.K.**, B.S. Chaudhary, C.D. Elvidge, B. Tripathi, J. Yadav, and V. Tomar Modelling the luminous intensity of Beijing, China using DMSP-OLS night-time lights series data for estimating population density, 2018, *Physics and Chemistry of the Earth, Parts A/B/C* <https://doi.org/10.1016/j.pce.2018.06>

295

- Shafiq, M.U., S.U. Islam, W.A. Bhat, **Joshi P.K.**, and P. Ahmed Temporal snow cover area monitoring in Kashmir Valley, India using MODIS data product, 2018, *Geocarto International* 10.1080/10106049.2018.1469675
- Ningthoujam, R., **Joshi P.K.**, and P.S. Roy Retrieval of forest biomass for tropical deciduous mixed forest using ALOS PALSAR mosaic imagery and field plot data, *International Journal of Applied Earth Observation and Geoinformation* 69: 206-216, 2018
- Chakraborty, A., K. Sachdeva and **Joshi P.K.**, Vulnerabilities of forests in the Himalayan region to climate change impacts and anthropogenic disturbances – a systematic review, 2018, *Regional Environmental Change* 10.1007/s10113-018-1309-7
- Shukla, R., A. Chakraborty, K. Sachdeva and **Joshi P.K.**, Agriculture in Western Himalayas - an asset turning into a liability, *Development in Practice* 28(2): 318-324 (2018).
- Shukla, R., K. Sachdeva and **Joshi P.K.**, Demystifying vulnerability assessment of agriculture communities in the Himalayas: A systematic review, *Natural Hazards*, 91(1): 409-429 (2018).
- Chakraborty, A., R. Shukla, K. Sachdeva and **Joshi P.K.**, Perception-based evidences for climate change policies, *Economic & Political Weekly* 53(6): 24-28 (2018).
- Naba Hazarika, Arunangshu Dasa, Vikas Kamala, Khalid Anwar, **Srivastava Arun**, Vinod K. Jain, Particle phase PAHs in the atmosphere of Delhi-NCR: with spatial distribution, source characterization and risk approximation, *Atmospheric Environment*, 200, pp. 329–342 (2019)

Books: (02)

- **Garkoti S.C.**, RL Semwal, N. Borah and P Ladon, *Glimpses of traditional societies and their knowledge systems in Indian Himalayan region*. Published by SC Garkoti, Task Force-5 NMSHE, Jawaharlal Nehru University. ISBN: 978-93-5321-621-4. (2018)
- Pranav Kumar and **Mina Usha**, , 2nd edition, Pathfinder Publication, India, (2018)

Chapters in Books: (20)

- Ranjan P., Rao K., Kumar A., **Ramanathan A.L.**, Heavy Metal Distribution and Accumulation from Natural and Anthropogenic Sources in Tropical Mangroves of India and Bangladesh, in: Makowski C., Finkl C. (eds) *Threats to Mangrove Forests*, Coastal Research Library, 2018, vol 25. Springer, Cham.
- Soheb, M., **Ramanathan A.L.**, Pandey, M., & Vatsal, S. 8 Change in Volume of Glaciers and Glacierets in Two Catchments of Western Himalayas, India since 1993–2015, in *Geospatial Applications for Natural Resources Management*, CRC Press, pp. 123-129 (2018).
- Sundaram, S., Kaur, S. and **Thakur I.S.**, Role of electron paramagnetic spectroscopy (EPR) in detection of stress generated free radicals in the plant, *Advances in Plant Physiology Series*. 2018, 2017-18/19
- Kumar, M., Rathour, R., Gupta, J., Pandey, A., Gnansounou, E. and **Thakur I.S.**, Bacterial production of fatty acid and biodiesel: opportunity and challenges in Refining biomass residues for sustainable energy and bioproducts eds. Gnansounou, E., Jegannathan, K.R., Gurnathan, B. and Kumar, P., 2018, Elsevier, Oxford , United Kingdom
- Singh, R. and **Thakur I.S.**, Cancer treatment chemicals and EDC (hormones) release and fate in HWW IN Hospital waste water treatment eds. Tyagi, R.D., Pandey, A. and Sellamuthu, B.S. 2018, Elsevier, United Kingdom
- Kumar, M., Morya, R., Gupta, A. and **Thakur I.S.**, Anaerobic treatment of pulp and paper mill waste and its biovalorization in Biovalorisation of Wastes to Renewable Chemicals and Biofuels eds. Krishnaraj, R.N. and Sani, R. 2018. Elsevier, Oxford, United Kingdom

□ Maheshwari, N., Mishra, A., **Thakur I.S.**, and Srivastava, S., Algal biofuel: A sustainable approach for fuel of future generation in *Plant Biotechnology: Progress in Genomic Era* ed. Khurana, S.M.P. and Gaur, R.K. 2018 Springer Nature.

□ Gupta, J., Tyagi, B., Rathour, R. and **Thakur I.S.**, Microbial treatment of waste by culture dependent and independent approach: opportunities and challenges in *Microbial Diversity: Ecosystem Management and Biotechnological Applications*, (eds.) T. Satyanarayana, S.K. Das and B.N. Johri 2018, Springer Nature Singapore Pvt Ltd.

□ Swati, **Thakur I.S.**, Vijay, V.K. and Ghosh, P., Scenario of Landfilling in India: Problems, Challenges, and Recommendations in *Handbook of Environmental Materials Management* eds. Hussain, C. 2018, Springer Cham

296

□ Gupta, J., Rathour, R., Medhi, K., Tyagi, B. and **Thakur I.S.**, Microbial derived natural bioproducts for a sustainable environment: A bio-prospective for Waste to Wealth in Refining biomass residues for sustainable energy and bioproducts eds. Gnansounou, E., Jegannathan, K.R., Gurunathan, B. and Kumar, P., 2019, Elsevier, Oxford, United Kingdom

□ **Thakur I.S.**, Gupta, J. and Ghosh, P., Biological degradation and detoxification of toxic contaminants in leachate: An environment friendly perspective in *Bioremediation Technology of Hazardous Waste Management* eds Pathak, B. et al., 2019, CRC Press/Taylor and Francis Group

□ Mishra, A, Kumar, M., Medhi, K. and **Thakur I.S.**, Biomass energy with carbon capture and storage (BECCS) to contribute in the book *Current Developments in Biotechnology and bioengineering: sustainable bioresources for emerging bioeconomy* eds. Kataki, R., Pandey, A., Pant, D., and Khanal, S., 2019, Elsevier, United Kingdom

□ **Mukherjee Saumitra**, Kamana Yadav, Saeid Eslamian Soil Contaminations in Arid and Semiarid Land, *Handbook of Draught and Water Scarcity*, 2018. CRC Press.

□ Neelu Singh, Monoj Kumar Das, Anand Ramteke, **Rajamani Paulraj**, Sankar Chandra Deka, Aftab Ansari, and Dambarudhar Mahanta, Nanotechnology-Based Challenges and Scope in the Food Industry: From Production to Packaging, in *Research Methods and Applications in Chemical and Biological Engineering*, (Editors) Ali Pourhashemi, Sankar Chandra Deka, A. K. Haghi, September, 2019, Apple Academic Press, Inc. 1265 Goldenrod Circle NE Palm Bay, Florida, USA.

□ Anurag Maurya, Monoj Kumar Das, Anand Ramteke, Sankar Chandra Deka, and **Rajamani Paulraj**, Encapsulation of Polyphenols into Micro and Nanoparticles for Improved Health Effects in *Research Methods and Applications in Chemical and Biological Engineering* (Editors: Ali Pourhashemi, Sankar Chandra Deka, A. K. Haghi), 2019, Apple Academic Press, Inc. 1265 Goldenrod Circle NE Palm Bay, Florida, USA.

□ Chakrabarti, B., **Mina U.**, Chakraborty, D., Pathak, H., Sharma, D.K., Jain, N., Jatav, R.S., Dixit, P., Katiyar, R., and Harit, R.C., Water, Carbon and Nitrogen Footprints of Major Crops in Indo-Gangetic Plains, in *Geospatial Infrastructure, Applications and Technologies: India Case Studies*, 2018 (pp. 401-411), Springer, Singapore.

□ Shrivastava, M., **Mina U.**, Thaplial, S., Srivastava, A., Khuant, M. and Singh, S.D., Rice Crop Growth and Rhizospheric Microbial Dynamics in Heavy Metals Contaminated Inceptisol, in *Water Quality Management*, 2018. (pp. 281-297). Springer, Singapore.

□ Kumar P., Rani M., Chandra P.P., Sajjad H., Chaudhary B. (eds), Pandey, B., ***Joshi P.K.**, T.P. Singh and A. Joshi Modelling spatial patterns of urban growth in Pune metropolitan region, India, in: *Applications and Challenges of Geospatial technology – potential and future trends*, 2018. (Eds. Kumar et al.) Springer, Cham. □ ***Joshi P.K.**, A. Chakraborty and R. Shukla, Building a resilient community against forest fire disasters in the Northeast India. In: *Development and disaster management – a study of the Northeastern states of India*. 2018. (Eds. Singh et al.), Palgrave MacMillan.

□ Sharma, R., and ***Joshi P.K.**, Urban imprint on city's environment – unfolding four metro cities of India, in: *Geospatial Applications for Natural Resources Management* (Ed. Singh C.K.) 2018 CRC Press.

Media Articles (Newspapers and non-technical magazines): **(03)**

□ **Ramanathan A.L.**, *The Economic Times*: India stares at water crisis, urgent steps needed: Experts (2018).

□ **Mina Usha**, Sunita Yadav, R.C. Harit, Sandeep Kumar, Lal Chand Malav, Marusthaliya chetro ki shaan he Khejdi. *Pusa Surabhi*. Vol 11, pp. 111-114, ISSN 2348-2656.

□ Anehi Mundra and **Mina Usha**, Air pollution and Policies of China, *Agriculture World*, 4 (3): 36-39, 2018.

School of International Studies

Journals/Research Articles: (86)

Centre for Canadian, US & Latin American Studies: (04)

- **Singh, Priti**, “Modes of Indigenous Modernity: Identities, Stories, Pathways”, *Thesis Eleven*, vol.145, no.1, 329, April, 2018,
- **Singh, Priti**, “Global Configurations of Indigenous Identities, Movements and Pathways”, *Thesis Eleven*, vol.145, no.1, 10 – 27, April, 2018,
- **Mahapatra, Chintamani**, “India: The New Power in the Emerging Global Order”, *Indian Foreign Affairs Journal*, vol.13, no. 2, 101 – 106, April – June, 2018,
- **Vijayalakshmi, K.P.**, “India-US Strategic Partnership: Shifting American perspectives on Engaging India”, in *International Studies*, vol. 54, 1-4: pp. 42-61, 30 August, 2018

Centre for African Studies: (01)

- **Moosa, J.M.**, “Africa in the New World Order” in the SWAMY online Course on Politics and International Studies offered by UGC-HRDC University of Madras, 2019

Centre for International Legal Studies: (07)

- **Desai, Bharat H.**, “Climate Change as a Common Concern of Humankind: Reflections on International Lawmaking Process”, in Jordi Jaria-Manzano & Susana Borràs (eds.), *Global Climate*, London: Edward Elgar, 2019
- **Desai, Bharat H.**, “Comparative Environmental Law: India (Country Studies)”, in Emma Lees, Jorge E. Vinuales (eds.), *The Oxford Handbook of Comparative Environmental Law*, Oxford: OUP, 2019
- **Desai, Bharat H.**, “Sustainable Cities: A Governance Challenge”, in Harald Ginzky et al.(Eds), *International Yearbook of Soil Law and Policy*, Berlin: Springer, vol.3, 2018
- **Desai, Bharat H.**, “On the Revival of the UN Trusteeship Council with a New Mandate for the Environment & the Global Commons”, *Yearbook of International Environmental Law*, vol.27, 2016, pp.3-27; Published online: 25 September, 2018
- **Desai, Bharat H.**, “On the Revival of the UN Trusteeship Council with a New Mandate for the Environment & the Global Commons”, *Environmental Policy & Law*, Amsterdam: IOS Press, vol.48, no.6, 2018, pp.333-343
- **Desai, Bharat H.**, “Plastics Pollution: A New Common Concern of Humankind in the Making?”, *Environmental Policy & Law*, Amsterdam: IOS Press, vol.49, no.5, 2018, pp. 252-255
- **Desai, Bharat H.**, “Women’s Quest for Bodily Integrity: Reflections on Recent Judicial Inroads in India”, in *Economic and Political Weekly*, Vol. 53, No.51, Online Journal, 29 December, 2018

Centre for Comparative Politics and Political Theory: (02)

- **Datta, Pradip Kumar**, “Tagore and Indigenous Modernity in Bengal”, Review of Sibaji Bandopadhyay’s *Tagores before Tagore: A Screenplay*, *Economic & Political Weekly*, Vol. 54, No.9, pp.24-5, 2 March, 2019
- **Singh, Mohinder**, “A Question of Life and Death: Conversion, Self, and Community in Swami Sharaddhanand’s Autobiography”, *South Asia: Journal of South Asian Studies*, 41(2), pp. 452-467, April, 2018

Centre for Inner Asian Studies: (07)

- **Soni, Sharad K.**, “The Role of Buddhism in the Conduct of Politics and Diplomacy”, *Mongolica* (Ulaanbaatar), vol. 52, pp.143-151, 2018
- **Soni, Sharad K.**, “The Geopolitical Dilemma of Small States in External Relations: Mongolia’s Tryst with ‘Immediate’ and ‘Third’ Neighbours”, *The Mongolian Journal of International Affairs* (Ulaanbaatar), vol.20, pp. 27- 44, 2018
- **Thapliyal, Sangeeta**, “India’s relations with Nepal and Bhutan: The Geostrategic Imperatives”, in *Scholar Warrior*, Centre for Land Warfare Studies, Autumn, 2018

298

- **Dhaka, Ambrish**, “The Belt and Road Semiotics and Its Geopolitical Pivot”, *Geopolitical Report*, Vol. 1, 2019, Rome: ASRIE, pp. 10-24
- **Debata, Mahesh Ranjan**, “India-Xinjiang Historico-Cultural Linkages”, *International Studies*, 54 (1-4): 218-230, 2018.
- **Namgyal Tsaten**, “Lineage and linkages between Stag na Lho Druk Monastery of Ladakh and Bhutan’s Druk pa Tradition of Tibetan Buddhism of Bhutan”, *The Tibet Journal*, XLI (.2), (2018)
- **Mishra, Mukesh Kumar**, “Kazakhstan’s Quest for Strenthening Democracy: Understanding Strategy”, *Kazakhstan 2050, Central Asia’s Affairs*, No.3/2018, The Kazakhstan Institute for Strategic Studies under the President of the Republic of Kazakhstan, pp. 7-17, 2018

Centre for Russian and Central Asian Studies: (10)

- **Pandey, Sanjay Kumar**, “The Politics in Gorakhpur since 1920s: the making of a safe Hindu constituency”, (coauthor), *Contemporary South Asia*, 27(1): March, 2019, at Taylor and Francis online: <https://www.tandfonline.com/doi/full/10.1080/09584935.2018.1521785>, Vol. 17, no.1, 40-57
 - **Upadhyay, Archana**, “Decoding Russia’s 2018 Presidential Elections”, *International Studies*, Vol 55, Sage Publications (2018)
 - **Upadhyay, Archana**, “Russian Revolution in Perspective, Reflections on its Impact on the Indian Freedom Struggle”, *Economic & Political Weekly*, LII (30), 28 July, 2018
 - **Upadhyay, Archana**, “Religion and Religiosity in Russia”, *International Studies*, 53(3-4), Sage Publications, 2018
 - **Kumar, Rajan**, “India and the BRICS: A Cautious and Limited Engagement”, *International Studies*, (First Published 30 August, 2018), Vol. 54 issues 1-4, pp.162-179
 - **Das Preeti, D.**, “Religious Minorities in the Context of India: Issues and Challenges”, published in the ebook - “Rule of Law - Between Science and Art”, from University of Trnava, 2018, ISBN 978-80-8168-989-5, <http://publikacie.iuridica.truni.sk/wp-content/uploads/2019/04/Zbornik-TPD2019-UPONS.pdf>
 - **Das Preeti, D.**, “Modernisation and Russian Culture,” *International Studies*, 53(3–4): 305–320, (2018), Jawaharlal Nehru University Sage Publications sagepub.in/home.nav DOI: 10.1177/0020881718760639 <http://journals.sagepub.com/home/isq>
 - **Das Preeti, D.**, “Globalisation, Religious Revival and its Impact On Cultural Diversity”, in *Philosophy of Education in Global and National Measurement*, jointly published by Rostov State Economic University, Southern Russian Scientific Centre (RAN) and UNESCO on the Study of Global issues, department of Global Process, MSU (Lomonosov), Rostov-Na-Don, Russia, 2018, UDK 1, VVK 87, F 561, Edited by Albekov A. U. and Starostin A. M.
 - **Mohapatra, Nalin Kumar**, “Regional Processes and Geopolitics of India, Afghanistan, Tajikistan, and Uzbekistan (IATU)”, *Jadavpur Journal of International Relations*, 22(1), pp.80-106, <https://doi.org/10.1177/0973598418764939>. (25 April, 2018 online) (Sage Publisher: ISSN: 0973-5984 (print); 2349-0047 (web) (2018)
 - **Yadav, Raj**, “Economic Transformation in Central Asia: A Journey of Twenty Five Years”, in *Journal of International Studies*, Sage Publications, 2018
- Centre for South Asian Studies: (02)**
- **Bhardwaj, Sanjay K.**, “India’s Neighbourhood First Policy: A Study of India-Bangladesh Relations”, Working Paper, Asiatic Society of Bangladesh, Dhaka, Bangladesh, 2018
 - **Bhardwaj, Sanjay K.**, “India-Vietnam Energy Cooperation: Policy Issues and Orientation”, Seminar paper, Published by Centre for Indian Studies, Ho Chi Minh National Academy of Politics, Hanoi, Vietnam, 2019
- Centre for East Asian Studies: (12)**
- **Acharya, Alka**, “Chinese Party-State Under Xi Jinping”, *Economic and Political Weekly*, 5 May, 2018, Vol LIII, No. 18, pp 25-28, Mumbai ISSN (Print) - 0012-9976 | ISSN (Online) - 2349-8846
 - **Choudhury, Srabani R.**, Japan- Middle East Relations : An Overview, Contemporary Review of the Middle East Vol, 5 issue 3, September, 2018
 - **Choudhury, Srabani R.**, India- Japan Relations: Economic Cooperation Enabling Strategic Partnership, *International Studies*, Vol. 54, Issue 1-4, 2017, October, 2018
- 299**
- **Narayanan Raviprasad**, “A sphere of tension in India and Pakistan”, *Strategic Vision for Taiwan Security* (Taipei), Vol. 8, Issue 40, February, 2019, pp.20-25. (ISSN 2227-3646)
 - **Narayanan Raviprasad**, “China and Pakistan – A Geopolitical Tango like Never Before!”, *World Focus* (New Delhi) Special Issue, Pakistan: China’s Achilles Heel, Issue 471, Vol. XXXX, Number 3, Special Issue pp.33-39, March, 2019, pp.33-39. ISSN 2230-8458 / EISSN 2581-5083 / US Library of Congress 80910345
 - **Narayanan Raviprasad**, “Colombo and Beijing Bonhomie: The Marginalization of New Delhi?”, *World Focus* (New Delhi) Special Issue, India’s Foreign Policy Series-1, Issue 467, Vol. XXXIX Number 11, November, 2018, pp.39-44. ISSN 2230-8458 / EISSN 2581-5083 / US Library of Congress 80910345
 - **Narayanan Raviprasad**, “China and North Korea – The Art of Managing Contradictions”, *World Focus* (New Delhi), Issue 465, Vol. XXXIX, Number 9, September, 2018, pp.49-55. ISSN 2230-8458 / EISSN 2581-5083 / US Library of Congress 80910345
 - **Narayanan Raviprasad**, “Tokyo and New Delhi: Looking West and East”, *World Focus* (New Delhi), May, 2018, Issue 461, India – Japan Relations, Special Issue. pp. 18-25. ISSN 2230-8458 US Library of Congress No. 80910345
 - **Narayanan Raviprasad**, “Tibet within India-China relations: an interlude or *ad finem ultimum...?*”, *Tibet Journal* (New Delhi), Vol. XLII, No.2, 2018, pp.59-70. ISSN 0970-5368

- **Mishra Sandip Kumar**, “Pragmatism of Modi and Trump in the New Asia-Pacific”, *Diverse Asia*, June, 2018, Available at <http://diverseasia.snu.ac.kr/?p=271>
- **Mishra Sandip Kumar**, “Summit Diplomacy and Denuclearizing North Korea”, *ICS Analysis*, No. 55, May, 2018, pp. 1-8. <http://www.icsin.org/uploads/2018/05/16/d674a1cc1ad833982e7fd2fd12fc276b.pdf>
- **Uttam, Jitendra** & Chanwahn Kim, Shifting Contours of India’s Asian Relations: Domestic Constraints Versus International Opportunities, *International Studies*, 54 (1-4), (2018): 2-21.

Centre for International Politics, Organization and Disarmament: (04)

- **Rajagopalan Rajesh**, “Did India Lose China?” in *the Washington Quarterly* 42:1 (Spring 2019), pp. 71-87.
- **Rajagopalan Rajesh**, Review of *A Debate to Remember: The US-India Nuclear Deal* by Chaitanya Ravi and *Indian Nuclear Asia: Evolution of Regional Forces, Perceptions, and Policies* by Yogesh Joshi and Frank O’Donnell in *The Book Review*, 43:1, January, 2019
- **Negi, Archana**, [Co-authored with Sven Grimm, Thomas Fues, Christoph Sommer and Jorge Perez Pineda], Chapter II, Part I: “Developing Countries Turn to Sustainability Standards”, *Voluntary Sustainability Standards, Trade and Sustainable Development*, Third Flagship Report of the United Nations Forum on Sustainability Standards (UNFSS), 2018, pp.39–46
- **Vaidya, B.C.**, Worked as Editor-In-Chief, for “The Deccan Geographer Journal”, Vol. 56, No. 1 & 2, June and December, 2018, under The Deccan Geographical Society, India

Centre for International Trade and Development: (23)

- **Bansal, Sangeeta**, “Do farmers value rice varieties tolerant to droughts and floods? Evidence from a discrete choice experiment in Odisha India”, co-authored with A. Arora and P. S. Ward, *Water and Resource Economics*, 2019, volume 25, pp 27-41
- **Bansal, Sangeeta**, “The Corporate Social Responsibility Act in India: An Early Assessment”, co-authored with Madhu Khanna and Sonakshi Jain, *Economic & Political Weekly*, pp. 44-51, 2019
- **Bansal, Sangeeta**, “Do farmers value rice varieties tolerant to droughts and floods?”, co-authored with A. Arora and P. S. Ward, *Global Water Forum*, 17 September, 2018
- **Bansal, Sangeeta**, *Incentives for Corporate Social Responsibility in India: Mandate, Peer Pressure and Crowding-Out Effects*, co-authored with Khanna, Madhu and Sydlowski, Joseph, SSRN (1 January, 2019). Available at SSRN: <https://ssrn.com/abstract=3370838>
- **Bansal, Sangeeta**, *Role of health care expenditure in countering adverse effects of obesity on health: Evidence from global data*, co-authored with David Zilberman, International Association of Agricultural Economists (275941), 2018,
- **Bansal, Sangeeta**, *Effect of Perform-Achieve-Trade Policy on Energy Efficiency of Indian Industries: Evidence from Fertilizer Industry*, co-authored with H. Oak, Agricultural and Applied Economics Association (274422), 20 June, 2018

300

- **Barua, Rashmi**, Benedict Koh & Olivia Mitchell “Does Financial Education Enhance Financial Preparedness? Evidence from a Field Experiment in Singapore”, *Journal of Pension Economics and Finance*, Volume 17, No.3, July, 2018, pp. 254-277
- **Mehra, Meeta K.**, (with Manjhi, Ganesh), “Dynamics of Political Budget Cycle”, *Italian Economic Journal: A Continuation of Rivista Italiana degli Economisti and Giornale degli Economisti*, Springer; Società Italiana degli Economisti (Italian Economic Association), Volume 5, Issue 1, pp 159-159, March, 2019, Published online at <https://link.springer.com/content/pdf/10.1007%2Fs40797-019-00084-1.pdf>
- **Mehra, Meeta K.**, (with Manjhi, Ganesh), “A Dynamic Analysis of Special Interest Politics and Electoral Competition”, *Dynamic Games and Applications*. Springer, Volume 9, Issue 1, pp. 142-164, March, 2019, Published online at <https://link.springer.com/content/pdf/10.1007%2Fs13235-018-0241-2.pdf>
- **Mehra, Meeta K.**, (with Bhattacharya, Gaurav), “Energy Transitions in India: Implications for Energy Access, Greener Energy, and Energy Security”, *Georgetown Journal of Asian Affairs*, Winter 2019, Volume 4, No. 2., 2019, Published online at https://issuu.com/georgetownfs/docs/gjaa_vol.4_no.2, pp. 88-97
- **Mehra, Meeta K.**, (with Manjhi, Ganesh), “Center-state Political Transfer Cycles”, *Ensayos sobre Política Económica*, June, 2018, Volume 36, No. 86. Published online at <http://repositorio.banrep.gov.co/bitstream/handle/20.500.12134/9571/Espe.8604.pdf?sequence=1&isAllo wed=y>
- **Mehra, Meeta K.**, (with Saini, Swati), “Impact of Strengthening Intellectual Property Rights Regime on Income Inequality: An Econometric Analysis”, *Economics Bulletin*, 2018, Volume 38 Issue 4, pp. 1703-1719
- **Mehra, Meeta K.**, (with Kohli, Deepti), “Environmental Regulation and Intra-Industry Trade”, *International Economic Journal*, Volume 32 Issue 2, pages 133-160, June, 2018, Published online at <https://www.tandfonline.com/doi/pdf/10.1080/10168737.2018.1461914?needAccess=true>
- **Mehra, Meeta K.**, (with Manjhi, Ganesh), “Dynamics of Political Budget Cycle”, *CITD Discussion Paper No 18-09*, 2018, https://jnu.ac.in/sites/default/files/citd/DP09_2018.pdf

- **Mehra, Meeta K.**, (with Saini, Swati), "Quality of Schooling: Child Quantity-Quality Tradeoff, Technological Progress and Economic Growth", CITD Discussion Paper No 18-06, 2018, <https://jnu.ac.in/sites/default/files/citd/DP06-2018.pdf>
- **Murty, Sushama**, "Modeling emission-generating technologies: reconciliation of axiomatic and by-production approaches", (with R. R. Russell) in *Empirical Economics*, 54, 2018, pp. 7-30 Springer ISSN: 0377-7332 (Print) 1435-8921 (Online)
- **Murty, Sushama**, "Measuring output-based technical efficiency of Indian coal-based thermal power plants: A byproduction approach" (with Resham Nagpal), CITD-SIS-JNU, Discussion Paper Series, DP1807, June, 2018
- **Murty, Sushama**, "Weighted index of graph efficiency improvements for a by-production technology and its application to Indian coal-based thermal power sector", (with Resham Nagpal), CITD/SIS-JNU, Discussion Paper Series, DP01808, September, 2018
- **Murty, Sushama**, "Choice of models for emission-generating technologies and designing technical efficiency improvement", (with Resham Nagpal), CITD/SIS-JNU, Discussion Paper Series, DP01901, January, 2019
- **Ray, Amit S.**, "Drivers of Knowledge Exchange from Indian Universities: The Role of Signalling under Asymmetric Information", (with A. Sengupta), SSRN Research Paper, https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3256721, 28 September, 2018,
- **Guha, B.**, "Secret ballots and costly information gathering: the jury size problem revisited", *International Review of Law and Economics*, 54: 58-67, June, 2018
- **Guha, B.**, "Malice in the Rubinstein bargaining game", *Mathematical Social Sciences*, 94:82-86, July, 2018
- **Guha, B.**, "Malice in auctions and commitments to cancel", *Economics Bulletin*, 38: 1623-1631, September, 2018
- Centre for European Studies: (10)**
- **Sachdeva, Gulshan**, "Indian Perceptions of the Chinese Belt & Road Initiative", *International Studies*, 55:4, 2018, pp.285-296
- **Bava, Ummu Salma**, "The European Union and the Changing Security Dynamics in Europe", in Gulshan Sachdeva, ed., *Challenges in Europe, Indian Perspectives*, 2018, New Delhi: Springer
- **Bava, Ummu Salma**, "India and the Global Order: Negotiating between the Old and New Order", *International Studies*, First Published, 30 August, 2018, 54(1-4): 22-41
- **Sarkar, Bhaswati**, ed, *India and the Nordics in a Changing World*, New Delhi, Kaveri Books, 2018
- **Sarkar, Bhaswati**, "Immigration, Integration and the Nordics" in *India and the Nordics in a Changing World*, New Delhi: Kaveri Books, Pp. 190 – 214, 2018,
- 301**
- **Sarkar, Bhaswati**, "The Right Matters in Europe", *World Focus*, Pp. 42 – 52, 2018
- **Sarkar, Bhaswati**, "Coping with Multiculturalism: Pakistani Diaspora in Scandinavia" in Rajendra K. Jain (Ed.), *India, Europe and Pakistan*, New Delhi: KW Publishers, Pp, 239 – 263, 2018
- **Sarkar, Bhaswati**, "Nation-State Unsettled: Spain's Catalan Challenge", in Gulshan Sachdeva (Ed.), *Challenges in Europe: Indian Perspective*, New Delhi: Palgrave Macmillan, Pp, 85 – 110, 2019
- **Sarkar, Bhaswati**, "The Right Matters in European Politics" in Gulshan Sachdeva (Ed.), *Challenges in Europe: Indian Perspective*, New Delhi: Palgrave Macmillan, Pp, 147 – 180, 2019
- **Sarkar, Bhaswati**, Borders in a Globalised World: The 2015 Refugee Crisis in Europe, *Philosophy of Education in the Global and National Dimension*, Rostov State Economic University (rinh), South-Russian Scientific Center of Ras Institute of Interdisciplinary Researches of Global Processes and Globalization of Rgeu (rinh), Rostov-on-don, Pp, 119 – 130, 2018
- Center for West Asian Studies: (03)**
- **Kumaraswamy, P R.**, "India's New Israel Policy", SWP Comment, no.11, March 2019, <https://www.swpberlin.org/en/publication/indias-new-israel-policy/>
- **Kumaraswamy, P R.**, "The Jews: Revisiting Mahatma Gandhi's November 1938 article", *International Studies*, vol.55, no. 2, 2018, 146-166
- **Ghoble T. Vrushal**, "Saudi Arabia-Iran Contention and the Role of Foreign Actors", *Strategic Analysis*, Peer - Reviewed, Volume 43, Number 1, March 2019, pp. 42 - 53. Available at, <https://www.tandfonline.com/doi/pdf/10.1080/09700161.2019.1573772?needAccess=true>, (ISSN [Print]: 0970-0161, ISSN [Online]: 1754-0054).
- Centre for Indo-Pacific Studies**
- **Sundaraman Shankari**, India-ASEAN Relations: "Acting", East in the Indo-Pacific, *International Studies*, vol. 54, nos. 1-4, Sage, New Delhi, Pp. 62-81, 2018
- **Das Shubhamitra**, Paper published on "India-Australia Bilateral Relations", *Beyond Diplomacy Plus*, December, 2018

□ **Das Shubhamitra**, Article published in Foreign Policy Research Centre (FPRC, A quarterly journal), New Delhi on “Oceania’s Paradox of Polity”, *Development and International Relations: Implication for India*, 2018 (1),

Books: (13)

Centre for Canadian, US & Latin American Studies: (01)

□ **Jha, Gautam Kumar & Saumyajit Ray (Eds.)**, *China’s Worrying Eunuchs: Resistance to Beijing’s Belligerence in South China Sea*, Ane Books, New Delhi, 2019

Centre for Comparative Politics and Political Theory: (03)

□ **Kumar, Pravesh**, *भारत की राजनीति : एक विश्लेषणात्मक अध्ययन*, विद्या विवि प्रकाशि, विल्ली । 2018, ,

□ **Kumar, Pravesh**, *भारत की राजनीति : एक विश्लेषणात्मक अध्ययन* (सम्पादित), माणिक पब्लिकेशि, विल्ली, 2016

(संशोधित 2019)

□ **Kumar, Pravesh**, *भारत की राजनीति : एक विश्लेषणात्मक अध्ययन* (Author) माणिक पब्लिकेशि, विल्ली, 2019

Centre for Russian and Central Asian Studies: (01)

□ **Das Preeti D**, Joint Editor along with Tatiana Senyushkina, Rajeev Kumar, *Political Space & Social Time: Identity and Everyday Life in the Structure of Living Space*, V.L. Media Solutions, New Delhi, April, 2018

Centre for International Politics, Organization and Disarmament: (01)

302

□ **Khanikar Santana**, *State, Violence and Legitimacy in India*, New Delhi, Oxford University Press, 2018

Centre for International Trade and Development: (01)

□ **Ray, Amit S.**, (with M. Agarwal and M. Parameswaran), *What is Economic Development? A Comparative Performance of Indian States*, Routledge: London and New York (Global Edition) and Social Science Press: New Delhi, (South Asia Edition), 2019

Centre for European Studies: (03)

□ **Sachdeva, Gulshan** (Ed.), *Challenges in Europe: Indian Perspectives*, Singapore: Palgrave: Macmillan, 2019

□ **Sachdeva, Gulshan**, Mutfi, Qadeer, Bahram Amirahmadian, *Strategic Analysis of Chabahar Port: Afghanistan- Iran- India Relations*, Kabul: Afghanistan Institute of Strategic Studies, 2018

□ **Sachdeva, Gulshan**, and Karine Lisbonne de Vergeron, *Developing EU & Indian Cooperative Responses to the Belt & Road Initiative*. EU-India Think Tanks Twinning Initiative, New Delhi: 2018

Center for West Asian Studies: (03)

□ **Hameed Sameena**, *Energy and Economic Diversification in the UAE: Opportunities for India*, Scholar Publishing House, New Delhi, 2018.

□ **Kumaraswamy, P R.**, *India’s Saudi Policy: Bridge to the Future*, New Delhi: Palgrave Macmillan, 2019 (coauthored with Md. Muddassir Quamar)

□ **Kumaraswamy, P R.**, *Persian Gulf 2018: India’s Relations with the Region* Palgrave Macmillan, 2019 (co-authored with Md. Muddassir Quamar and Manjari Singh)

Chapter in Books: (50)

Centre for Canadian, US & Latin American Studies: (03)

□ **Mahapatra, Chintamani**, “One Belt, One Road: China, US and the Emerging Hegemonic Struggle in Asia”, in B. R. Deepak (ed.), *China’s Global Rebalancing and the New Silk Road*, New Delhi, Springer, 2018

□ **Vijayalakshmi, K.P.**, “American Perspective on the Indo-Pacific”, in C. Mahapatra, Ed., “Rise of the Indo Pacific: Perspectives, Dimensions and Challenges”, pentagon Press, New Delhi, Pp, 3 – 28, 2019

□ **Ray, Saumyajit, and Jha, Gautam Kumar**, “A New Imperial China: The Hague Ruling and the South China Sea Dispute”, in Jha, Gautam Kumar & Saumyajit Ray (Eds.), *China’s Worrying Eunuchs: Resistance to Beijing’s Belligerence in South China Sea*, Ane Books, New Delhi, 2019

Centre for International Legal Studies: (01)

□ **Hegde, V.G.**, “Indus Water Treaty and Human Rights Obligations”, in V.K. Ahuja (Ed.), *Human Rights: Contemporary Issues, Festschrift in the honour of Professor Upendra Baxi*, New Delhi, Eastern Book House, 2019: pp. 293-309

Centre for Comparative Politics and Political Theory: (06)

□ **Datta, Pradip Kumar**, “War and the World: Tagore’s praxis of the Global from the 1890’s to the 1920’s”, in *India and the World in the First Half of the Twentieth Century*, ed. Madhavan Palat, London and New York: Routledge, 2018

□ **Menon, Nivedita**, “Sexual violence and the law in India”, in: Robin West and Cynthia Bowman (eds.), *Research Handbook on Feminist Jurisprudence*, Edward Elgar Publishing, Cheltenham, UK, 2019

□ **Menon, Nivedita**, “Marxism, Feminism and Caste in Contemporary India”, in Vishwas Satgar (ed.) *Racism after Apartheid. Challenges for Marxism and Anti-racism*, Wits University Press, Johannesburg, 2019

303

□ **Dastider, Mollica**, “Regions Resist Hill Hindu Nationalism in Nepal”, in Lok Raj Baral (Ed.), *Politics of Geo-Politics: Continuity and Change in India and Nepal*, Adarsh Books, New Delhi, 2018

□ **Kumar, Pravesh**, “*International Relations and India: A Critical Analysis*”, (New Delhi: Anand Publishers, 2018), ISBN-978-93-8732-113-7, 2019

□ **Mishra, Vandana**, “RSS – Ideology and Practice: The Context of Social Harmony”, in: *Politics for a New India: A Nationalistic Perspective*, Shri Prakash Singh (ed.), Rupa Publications, Delhi, pp. 26-61, 2018

Centre for Inner Asian Studies: (03)

□ **Soni, Sharad K.**, “South Asia’s China Outlook: Reminiscing Through the Lens of Bangladesh and Nepal”, in Chihyu Shih, Prapin Manomaivibool and Reena Marwah (eds.), *China Studies in South and Southeast Asia: Between Pro-China and Objectivism*, New Jersey: World Scientific, 2019, pp.253-283.

□ **Soni, Sharad K.**, “Kazakhstan’s Experience of its Capital Transfer: What Impact Astana has left on the World Practice?”, Sourcebook of the International Scientific and Practical Conference “Astana: The City of Peace”, 5 June, 2018, *Astana: The Foundation of the First President of the Republic of Kazakhstan – Embassy*, 2018, pp.7-8,

□ **Thapliyal, Sangeeta**, “India and Nepal Relations: Politics and Perceptions”, in Amitranjan (ed.), *India in South Asia: Challenges and Management*. Palgrave-Springer, 2018,

Centre for Russian and Central Asian Studies: (02)

□ **Usha, K.B.**, “India-Russia Relations in the Emerging World Order”, in: Josukutty C. A. and L Prabhash (eds.), *India’s Bilateral Relations and Foreign Policy*, New Delhi: New Century Publications, 2018

□ **Usha, K.B.**, “Historical Memory of Holocaust, ‘Double Genocide’, Politics and Revival of Anti-Semitism in Contemporary Baltic States”, in K. B. Usha, *Nation Building in Baltic States: History, Memory and Identity*, New Delhi: Adroit Publishers, pp. 146-170, 2018

Centre for East Asian Studies: (10)

□ **Kondapalli, Srikanth**, “China’s Evolving Naval Presence in the Indian Ocean Region: An Indian Perspective”, in David Brewster (Ed.), *India and China at Sea- Competition For Naval Dominance in the Indian Ocean*, New Delhi, Oxford University Press, 2018, pp.111-24

□ **Kondapalli, Srikanth**, “The Maritime Silk Road and China-Maldives Relations” in Jean-Marc F. Blanchard (Ed.) *China’s Maritime Silk Road Initiative and South Asia- A Political Economic Analysis of its Purpose, Perils and Promise*, Singapore: Palgrave Macmillan, 2018, pp. 173-202

□ **Kondapalli, Srikanth**, “China’s Belt and Road Initiative and India”, in Vijay Sakhujia (Ed.), *Pentagon Yearbook 2018- South Asia Defence and Strategic Perspective*, New Delhi: Pentagon Press, 2018, pp. 16-27

□ **Kondapalli, Srikanth**, “China’s East Asian Contest- Minimalist and Maximalist Issues”, in CV Ranganathan and Sanjeev Kumar (Eds.), *China and the Eurasian Region- Geographic and Geopolitical Influence*, New Delhi: Vij Books, 2018, pp. 121-40

□ **Kondapalli, Srikanth**, “China’s Perceptions of Nehru – from United Front to Armed Co-existence”, in Ankush B. Sawant and Parvathi Vasudevan (Eds.), *Jawaharlal Nehru in a Historical Perspective*, Delhi: Lenin Media, 2019, pp.85-99

□ **Kondapalli, Srikanth**, “China’s Dream and Building a Well-off Society – Assessing China’s First Centennial”, in College of Defence Management ed. *China’s First Centennial Goal* (Secunderabad: CDM, 2019), pp.9-16

□ **Acharya, Alka**, “Bridging the Domestic and the Global: Deconstructing Xi Jinping’s Perspective”, in Manoranjan Mohanty (Ed.), *China at a Turning Point: Perspectives after the 19th Party Congress*, New Delhi: Pentagon Press, 2019: pp. 113-127.

□ **Agarwal, Ritu**, “Xi Jinping and the Reinvention of the CPC”, in Manoranjan Mohanty (Ed.) *China at a Turning Point: Perspectives after the 19th Party Congress* , , New Delhi: Pentagon Press, 2019, pp. 35-43

□ **Narayanan Raviprasad**, “Corruption and the CPC: The Purge Within”, in Manoranjan Mohanty (ed.) *China at a Turning Point – Perspectives after the 19th Party Congress*, New Delhi: Pentagon Press/ICS,

□ **Narayanan Raviprasad**, “India-Japan relations: New beginnings in strategic symmetry”, in Dr. Badrul Alam (ed.) *India-Japan Relations in the Era of Globalisation* , New Delhi: Gyan Books, 2018), pp. 77-90

304

Centre for International Politics, Organization and Disarmament: (02)

□ **Choedon Yeshe**, “Global Governance and Rule-Based Order: Issue of South China Sea”, in G. Jayachandra Reddy (ed.) , *South China Sea: Emerging Scenario*, New Delhi, Pentagon Press, 2018

□ **Meena Krishnendra**, “Borders in Europe: From Westphalia to Schengen”, in Gulshan Sachdeva (ed.) *India and the European: Challenges and Prospects*, Palgrave Macmillan, Singapore, 2018

Centre for International Trade and Development: (06)

□ **Bansal, Sangeeta**, “Labeling GM Food in India: Anticipating the Effects on GM Brinjal and Rice Marketing Chains”, (with Guillaume Gruere), in *Biotechnology for a Second Green Revolution in India: Socioeconomic, Political, and Public Policy Issues*, Eds. N. Chandrasekhara Rao, Carl E. Pray, Academic Foundation, 2018

□ **Mehra, Meeta K.**, (with Das, Saheli), “An Empirical Analysis of Ability-biased Technical Change with Environmental Constraints.” In *Globalisation and Development: Perspectives and Policies*. Acharyya, Achiransu, Chattopadhyay, Soumyadip, and Chattopadhyay, Apurba Kumar (Eds.). Gyan Publishing House, Delhi, 2019

□ **Mehra, Meeta K.**, (with Azharuddin Sk. Md.), “Revisiting the Demographic Transition: A Unified Growth Approach,” In *Globalisation and Development: Perspectives and Policies*. Acharyya, Achiransu, Chattopadhyay, Soumyadip, and Chattopadhyay, Apurba Kumar (Eds.), Gyan Publishing House, Delhi, 2019

□ **Aparna Sawhney**, “Tracking Efficiency of the Indian Iron and Steel Industry”, (with Piyali Majumder) in F. Abergel, et al. (Eds.), *New Perspectives and Challenges in Econophysics and Sociophysics*, New Economic Windows Series, Springer: pp. 203-209, (2019)

□ **Aparna Sawhney**, “Compliance dilemmas in Indian environmental policy”, *East Asia Forum*, Crawford School of Public Policy, Australian National University, 10 October, 2018

□ **Aparna Sawhney**, “The Pattern of Inbound FDI in India in Dirty Sectors”, (with Rashmi Rastogi), IEG Working Paper No. 374, Institute of Economic Growth, New Delhi, 2018

Centre for European Studies: (11)

□ **Bava, Ummu Salma**, “The European Union and the Changing Security Dynamics in Europe”, in Gulshan Sachdeva, Ed., *Challenges in Europe-Indian Perspectives*, New Delhi, Springer, 2018

□ **Jain, Rajendra K.** and Shreya Pandey, “The EU Global Strategy and EU-India Relations: A Perceptions Study,” in Natalia Chaban and Martin Holland (Eds.), *Shaping the EU Global Strategy: Partners and Perceptions*, Cham: Palgrave Macmillan, 2019, pp. 101-126

□ **Sachdeva, Gulshan**, “The Indian Economy: Strategic Consequences of Economic Growth”, in: Philippe Clerc, Driss Guerraoui and Xavier Richet (Eds.), *La Nouvelle Economie Mondiale: Comparaisons Internationales* (Paris: L Harmattan, 2018)

□ **Sachdeva, Gulshan**, “Preparing the Northeast Economy for the Future”, in Bhagat Oinam and Dhiren A Sadokpam (Eds) *Northeast India: A Reader* (New York: Routledge, 2018), pp. 391-405

□ **Sachdeva, Gulshan**, “The European Union - China Relations”, in C V Ranganathan and Sanjeev Kumar (Eds) *China and the Eurasian Region: Geographic and Geopolitical Influences* (New Delhi: Vij Books, 2018) pp. 141-167

□ **Sachdeva, Gulshan**, “EU-India Economic Relations and FTA Negotiations”, in Gulshan Sachdeva (Ed.) *Challenges in Europe: Indian Perspectives*, Singapore: Palgrave: Macmillan, 2018, pp. 291-320

□ **Sachdeva, Gulshan**, Mahendru, Vijayta and Neha, “Migration and Refugee Issues”, in Gulshan Sachdeva (Ed.) *Challenges in Europe: Indian Perspectives*, Singapore: Palgrave: Macmillan, 2019, pp. 253-270

□ **Sachdeva, Gulshan**, and Prabhu, Swati, “Nuclear Energy Debate in the European Union”, in Gulshan Sachdeva (Ed.), *Challenges in Europe: Indian Perspectives*, Singapore: Palgrave: Macmillan, 2019, pp. 237-252.

□ **Sharma, Sheetal**, Multiculturalism in India and Europe: Policy and Practice, in Gulshan Sachdeva (Ed.) *Challenges in Europe, Indian Perspectives*, Palgrave Macmillan, 2019, pp. 271-290

□ **Sharma, Sheetal**, Superdiversity in Delhi: A Historical Understanding, in Tiziana Caponio, Peter Scholten and Ricard Zapata-Barrero (Eds.), *The Routledge Handbook to the Governance of Migration and Diversity in Cities*, Routledge, Taylor and Francis Group: London and New York, 2019

□ **Sharma, Sheetal**, *Impact of Globalisation and Economic Transition upon Status of Women in Central and Eastern European Countries* (page 55-71) in Education Philosophy in the Global and National Measurement, Rostov-on-Don, 2018. Count monogr. Scientific Ed.: A.U. Albekov, A.M. Starostin, A.Yu. Goloborodko. - Rostov n / D.: Izdpolygri. RSUU complex (RINH), 2018, 312 p.

305

Center for West Asian Studies: (04)

□ **Kumaraswamy, P R**, “Modi transforms Indo-Israeli relations” in Bibek Debroy, Anirban Ganguly and Kishore Desai (eds), *Making of New India: Transformation Under Modi Government*, (New Delhi: Wisdom Tree, 2019), 537-545

□ **Kumaraswamy, P R**, “Water Scarcity in Jordan: Demand and Supply side Factors”, in (ed.) Sajad Ibrahim *Twentieth Century Unrest in West Asia: Socio-Economic and Political Scenario* (New Delhi: New Century Publications, 2019) (co-authored with *Manjari Singh*), 110-19

- **Mohapatra, Nalin Kumar**, “Is SCO Pivot of Eurasian Security?”, <http://www.dailypioneer.com/columnists/oped/is-sco-pivot-of-urasian-security.html>, 30 June, 2018
- **Mohapatra, Nalin Kumar**, “India will weather Iran-fuelled oil price instability”, <https://www.sundayguardianlive.com/news/india-will-weather-iran-fuelled-oil-price-instability>, 14 July, 2018
- **Mohapatra, Nalin Kumar**, “Structuring A New BRICS”, <https://www.dailypioneer.com/sundayedition/agenda/opinion/structuring-a-new-brics.html>, 5 August, 2018
- **Mohapatra, Nalin Kumar**, “Helsinki Meet Pregnant with Hopes”, <https://www.dailypioneer.com/2018/sundayedition/helsinki-meet-pregnant-with-hopes.html>, 2 September, 2018 (The Link of this Article was Shared Valdai Club, Moscow, Russia, http://valdaiclub.com/about/media/helsinki-meet-pregnant-with-hopes/?sphrase_id=681339)
- **Mohapatra, Nalin Kumar**, “Eurasian Security at Stake”, <https://www.dailypioneer.com/2019/sundayedition/eurasian-security-at-stake.html>, 17 February, 2019

Centre for South Asian Studies: (03)

- **Batra, Amita**, CPTPP: The New Trade Deal on the Block, *Business Standard*, 29 January, 2019
- **Batra, Amita**, ‘Economic Integration Woes of South Asia’, *Business Standard*, 24 October, 2018
- **Batra, Amita**, ‘RCEP and India’s FTA Strategy’, *Business Standard*, 22 August, 2018,

Centre for East Asian Studies: (40)

- **Kondapalli, Srikanth**, “Can China and India’s bilateral talks overcome current conflict and competition?”, *The Print*, 26 April, 2018 <https://theprint.in/governance/can-china-indias-bilateral-talks-overcome-current-conflict/52584/>
- **Kondapalli, Srikanth**, “Wuhan meet likely to set road map for intensifying CBMs”, *The Mint*, 26 April, 2018 at <<https://www.livemint.com/Politics/cpmsx8ePJREuAV8WVqJtKWuhan-meet-likely-to-set-road-map-forintensifying-CBMs.html>>
- **Kondapalli, Srikanth**, “Buying time at Wuhan”, *Rediff.com*, 30 April, 2018 at <http://www.rediff.com/news/column/buying-time-at-wuhan/20180430.htm>
- **Kondapalli, Srikanth**, “观点：武汉“习莫会”突显恢复原状 中印洞朗对峙“已成过去”, *BBC Chinese Service*, 30 April, 2018 at <<http://www.bbc.com/zhongwen/simp/world-43949860>>
- **Kondapalli, Srikanth**, “Post Wuhan, Prospects for Resolving the India-China Territorial Dispute have Increased”, *Sniwire*, 23 December, 2018 at <<https://sniwire.com/china/post-wuhan-prospects-for-resolving-the-india-chinateritorial-dispute-have-increased/>>

307

- **Kondapalli, Srikanth**, “Post-Doklam, India-China relations arrive at equilibrium as both sides enhance confidence building measures”, *Financial Express*, 25 December, 2018 at <<https://www.financialexpress.com/defence/postdoklam-india-china-relations-arrive-at-equilibrium-as-both-sides-enhance-confidence-building-measures/1424382/>>
- **Kondapalli, Srikanth**, “US steps-up counter-China measures with Asia Resurgence Initiative Act”, *Financial Express*, 3 January, 2019 at <<https://www.financialexpress.com/defence/us-steps-up-counter-china-measures-withthe-asia-resurgence-initiative-act/1432660/>>
- **Kondapalli, Srikanth**, “Tug of War across the Straits”, *Sniwire*, 28 January, 2019 at <<https://sniwire.com/china/the-tug-of-war-across-the-straits/>>
- **Kondapalli, Srikanth**, “Why is China backing terrorist Masood Azhar, founder of Jaish-e-Mohammad?”, *FinancialExpress*, 14 March, 2019 at <<https://www.financialexpress.com/defence/why-is-china-backing-terrorist-masoodazhar-founder-of-jaish-e-mohammad/1516061/>>
- **Acharaya Alka**, Doklam standoff was a wake-up call for India, *China*, 23 April, 2018 <https://www.hindustantimes.com/india-news/doklam-standoff-was-a-wake-up-call-for-india-china/story-YdUdFVsCKTRtCs GyRMgKcK.html>
- **Acharaya Alka**, 25 April, 2018, <https://hindi.thequint.com/explainers/why-modi-fourth-visit-to-china-is-importantfor-india-china-relations>
- **Acharaya Alka**, “Expert Gyan: Understanding the Purpose of the Wuhan India-China Summit”, 26 April, 2018 <https://thewire.in/diplomacy/expert-gyan-wuhan-india-china-summit>.
- **Acharaya Alka**, “Talk Point: Boat rides and lake walks— beginning of a new Modi-Xi chapter or mere optics?” *Theprint Team*, 27 April, 2018, <https://theprint.in/talk-point/talkpoint-boat-rides-and-lake-walks-beginning-of-a-new-modi-xi-chapter-or-mere-optics/53238/>
- **Acharaya Alka**, 28 April, 2018-04-29, “Opinion| Why Rebooting India-China Ties May Not Be Viable Right Now”, <https://www.news18.com/news/opinion/why-rebooting-india-china-ties-may-not-be-viable-right-now-1733051.html>
- **Acharaya Alka**, “India-China Informal Summit at Wuhan”, 1 May, 2018, <https://thewire.in/video/national-securityconversations-episode-1-wuhan-india-china-summit>
- **Mishra Sandip Kumar**, *IPCS Column, East Asia Compass*, 22 March, 2019, “China’s Strategic Silence on the Hanoi Summit”, http://www.ipcs.org/comm_select.php?articleNo=5570

- **Mishra Sandip Kumar**, *The Korea Times*, “Maximum Pressure Fundamentalism”, 19 March, 2019 [http:// www.koreatimes.co.kr/www/opinion/2019/03/137_265603.html](http://www.koreatimes.co.kr/www/opinion/2019/03/137_265603.html) ICS Blog, 14 March 2019, “Hanoi Summit: Limitation of “All for None” Approach,” <https://icsdelhiblogs.wordpress.com/>
 - **Mishra Sandip Kumar**, *The Korea Times*, “Positives from Hanoi Summit”, 3 March 2019 http://www.koreatimes.co.kr/www/opinion/2019/03/137_264635.html
 - **Mishra Sandip Kumar**, IPCS Column, IPCS Commentary, “Trump-Kim Summit in Hanoi: Optimism Despit Impediments”, 26 February 2019 http://ipcs.org./comm_select.php?articleNo=5562
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “Is Japan Getting Isolated?”, 21 February, 2019 http://ipcs.org./comm_select.php?articleNo=5558
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “Trump and the China-North Korea Equations”, 15 January 2019 http://ipcs.org./comm_select.php?articleNo=5545
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “On the Sidelines of G-20: India’s Third Way”, 10 December, 2018, http://ipcs.org./comm_select.php?articleNo=5532
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “India-Japan Relations: Proximity to the Indo-Pacific Strategy”, 19 November, 2018, http://ipcs.org./comm_select.php?articleNo=5526
 - **Mishra Sandip Kumar**, *The Korea Times*, “Third Way in ‘Asia-Pacific’,” 4 November, 2018, http://www.koreatimes.co.kr/www/opinion/2018/11/202_258040.html
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “Denuclearising the Korean Peninsula: Hope amidst Uncertainty”, 17 October 2018, http://www.ipcs.org/comm_select.php?articleNo=5524
 - **Mishra Sandip Kumar**, *The Korea Times*, “Moonshine’s Success and Creeping Up of a Spoiler”, 27 September, 2018, http://www.koreatimes.co.kr/www/opinion/2018/09/202_256066.html
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “US-China Contestation and North Korean Denuclearisation”, 20 September, 2018, http://www.ipcs.org/comm_select.php?articleNo=5514
 - **Mishra Sandip Kumar**, *The Korea Times*, “Moonshine and US-North Korea Contest”, 9 September, 2018 http://www.koreatimes.co.kr/www/opinion/2018/09/202_255241.html
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “Trump, Kim and Denuclearisation”, 9 August, 2018, http://www.ipcs.org/comm_select.php?articleNo=5504
- 308**
- **Mishra Sandip Kumar**, *The Korea Times*, “Trump’s Lopsided Two-Level Game”, 7 August, 2018, [http:// www.koreatimes.co.kr/www/opinion/2018/08/202_253340.html](http://www.koreatimes.co.kr/www/opinion/2018/08/202_253340.html)
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “Enhancing India-South Korea Relations”, 16 July, 2018, http://ipcs.org./comm_select.php?articleNo=5494
 - **Mishra Sandip Kumar**, *The Korea Times*, “Moonshine between Korea and India”, 12 July, 2018, http://www.koreatimes.co.kr/www/opinion/2018/07/137_252142.html
 - **Mishra Sandip Kumar**, *The Korea Times*, “Hope for More Progress following Singapore Summit”, 12 June, 2018, http://www.koreatimes.co.kr/www/opinion/2018/06/137_250567.html
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “China and the Trump-Kim Summit: Beijing’s Looming Influence”, 11 June, 2018, http://ipcs.org./comm_select.php?articleNo=5479
 - **Mishra Sandip Kumar**, *The Korea Times*, “A Seesaw Game and South Korea”, 30 May, 2018, http://www.koreatimes.co.kr/www/opinion/2018/05/137_249825.html
 - **Mishra Sandip Kumar**, BBC Hindi, “मिश्रा सन्दिप कुमार: ‘मिश्रा सन्दिप कुमार’”, 25 May, 2018, <https://www.bbc.com/hindi/international-44247870>
 - **Mishra Sandip Kumar**, IPCS Column, East Asia Compass, “Summit Season: From Inter-Korea to Trump-Kim”, 12 May, 2018, http://ipcs.org./comm_select.php?articleNo=5465, *The Korea Times*, 5 May, 2018, “Korea Summit and US Options,” https://www.koreatimes.co.kr/www/opinion/2018/05/197_248488.html
 - **Mishra Sandip Kumar**, *The Korea Times*, “Naysayers and Moonshine”, 30 April, 2018, http://www.koreatimes.co.kr/www/opinion/2018/04/198_248175.html
 - **Mishra Sandip Kumar**, BBC Hindi, “मिश्रा सन्दिप कुमार: ‘मिश्रा सन्दिप कुमार’”, 28 April, 2018, <https://www.bbc.com/hindi/international-43932183>
 - **Uttam Jitendra**, Lok Sabha TV, Public Forum, *VK Singh’s Visit to North Korea*, 18 May, 2018
- Centre for International Politics, Organization and Disarmament: (08)**
- **Meena Krishnendra**, “China’s Belt and Road Initiative: India’s Strategic Encirclement”, 10 August, 2018, www.lokmarg.com
 - **Rajagopalan Rajesh** (with Rajeswari Rajagopalan), “India-Pakistan Crisis Exposes Modi’s Dilemma,” *The Diplomat*, 28 February, 2019, <https://thediplomat.com/2019/02/india-pakistan-crisis-exposes-modis-dilemma/>
 - **Rajagopalan Rajesh**, “One Strike Isn’t Enough to Establish Deterrence,” *ORF Online*, 26 February, 2019, <https://www.orfonline.org/expert-speak/one-strike-not-enough-establish-deterrence-48578/>

- **Sharma, Sheetal**, “Brexit Agreement,” *Desh Deshanter*, Rajya Sabha TV, 15 November, 2018
- **Sharma, Sheetal**, “By-election in USA”, Public Forum, Lok Sabha TV, 8 November, 2018
- **Sharma, Sheetal**, “Constitutional Crisis in Sri Lanka”, Public Forum, Lok Sabha TV, 31 October, 2018
- **Sharma, Sheetal**, “Empowering women, Is ‘ me too’ Campaign helping, *New World India TV*, 15 October, 2018
- **Sharma, Sheetal**, “India signs Defence deals with Russia”, *ETV*, 5 October, 2018
- **Sharma, Sheetal**, “Putin’s Visit to India, curtain raiser,” *ETV*, 3 October, 2018
- **Sharma, Sheetal**, “India celebrates parakram divas,” *Surya Samachar*, 29 September, 2018
- **Sharma, Sheetal**, “Foreign Pulse,” Program on International Affairs, *News World India TV*, 10 May, 2018
- **Sharma, Sheetal**, “India Sweden relations”, *Insight*, Lok Sabha TV, 18 April, 2018
- **Sharma, Sheetal**, “Foreign Pulse,” Program on International Affairs, *News World India TV*, 5 April, 2018
- **Sachdeva, Gulshan**, “Can INSTEX Unite India, China and EU to Bypass US Sanctions on Iran? *Moneycontrol.com*, 5 February, 2019
- **Sachdeva, Gulshan**, “Adjusting to Brexit May not be Tough for India Inc”, *Moneycontrol.com*, 26 December, 2018
- **Sachdeva, Gulshan**, “India must Rediscover its Ties with Central and Eastern Europe”, *Moneycontrol.com*, 26 September, 2018
- **Sachdeva, Gulshan**, “Assam’s NRC has Echoes of Europe’s Refugee Crisis”, *The Hindustan Times*, 6 August, 2018

Center for West Asian Studies: (06)

- **Kumaraswamy, P R**, “Border is the Core of the Israeli-Palestinian conflict”, *IDSA Issue Brief*, 5 March, 2019. <https://idsa.in/issuebrief/border-is-the-core-of-the-Israeli-Palestinian-conflict-prkumaraswamy-05032019>

310

- **Kumaraswamy, P R**, “Return of the Persian Puzzle”, *IDSA Comment*, 5 July, 2018. <https://idsa.in/idsa-comments/return-of-the-persian-puzzle-pr-kumaraswamy-050718>
- **Kumaraswamy, P R**, “Jordan is the pivot to Modi’s approach to Israeli-Palestinian conflict”, *IDSA Comment*, 15 June, 2018, <https://idsa.in/idsacomments/jordan-is-the-pivot-to-modi-approach-to-israeli-palestinian-conflict>
- **Ghoble T. Vrushal**, “Kuwait - India Bilateral Ties”, Issue: The State of Kuwait 2035, *Diplomacy & Beyond Plus*, A Journal of Foreign Policy & National Affairs, pp. 20 - 22.
- **Ghoble T. Vrushal**, “Overflowing with Opportunity - Energy Security for UAE”, Issue: H.H. Sheikh Zayed: Founder of the UAE (1918-2004), *Diplomacy & Beyond Plus*, A Journal of Foreign Policy & National Affairs, pp. 62 - 64.
- **Ghoble T. Vrushal**, “UAE - India: From Shared History to Future Prosperity”, *Diplomacy & Beyond*, Issue: UAE - INDIA: Shaping Glorious Past into Memorable Future, Special Report on 46th Anniversary of the National Day of the United Arab Emirates.

Centre for Indo-Pacific Studies: (01)

- **Das Shubhamitra**, India’s Prospective Role in Indo-Pacific, 13 August, 2018, <http://www.thedialogue.co/indopacific-indias-prospective-role/>

311

School of Language, Literature & Culture Studies

Journal/Research Articles: (111)

Centre of Arabic and African Studies: (11)

- **Ajmal Mohammad**, Title: منهج حميد الدين الفراهي لتفسير القرآن منهج علمي متميز (Method of Hamiduddin Al Farahi to the Exegesis of Quran is Unique and Exclusive), published in *Majallatul Hind* (an Arabic quarterly peer reviewed research journal) issue 1-2, vol. 7, January – June, 2018 (ISSN. 2321-7928).
- **Ajmal Mohammad**, Title: *Asrarul Haq Qasmi* (A Scholar, Social Worker and Politician), published in the Indian Journal of Arabic and Islamic Studies (an English quarterly peer reviewed research journal), issue 3-4, vol. 3 July – December, 2018 (ISSN.24561215).
- **Ajmal Mohammad**, Title: تقرير: احتفاء باليوم العالمي للغة العربية في جامعة جواهر لال نهرو – نيودلهي (Report: Celebrations of World Arabic Day in JNU, New Delhi), published in *Majallatul Hind* (an Arabic quarterly peer reviewed research journal) issue 1, vol. 8 January – March, 2019 (ISSN. 2321-7928).
- **Ajmal Mohammad**, Title: ندوة وطنية حول علماء دلهي وإسهاماتهم في اللغة العربية (Report: National Conference on the Scholars of Delhi and their contributions to Arabic Language), published in *Majallatul Hind* (an Arabic quarterly peer reviewed research journal) issue 1, vol. 8 January – March, 2019 (ISSN. 2321-7928).
- **Ajmal Mohammad**, Title: “Art & Culture bring India and Kuwait together”, published in *The Blue Moon*, New Delhi Vol. 11, No. 110 (special Issue on the State of Kuwait), 16 February – 15 March, 2019.
- **Qutbuddin Md.**, “Arabic- Urdu-Arabic translation: A review of its art, history and difficulties” published in a Bi-Annual Refereed Research Journal *Al- Majma'a Al- Arabi Al Hindi*, Vol. XXXVIII, ISSN 2250-0413, Issue No.1. January, 2019.
- **Qutbuddin Md.**, “A look on “Al Obab al Zakhir Wal Lobab Al Fakhir” of Hasan bin Mohammad Al Hasan Al Saghani”, published in peer reviewed research journal *Raihan*, ISSN No. 2394-8493, Vol. 9, published by P.G. Department of Arabic, WMO Arts & Science College, Muttill,Wayanad, Kerala, February, 2018.
- **Qutbuddin Md.**, “Impact of Arabic language on Urdu writings of Maulana Abul Kalam Azad” published in Arabic Research journal *Majallah AL- Dirasat AL-Arabia*, No. 15, ISSN 2231-1912, published by Post Graduate Department of Arabic, University of Kashmir, Srinagar, December, 2018.
- **Rahman Rizwanur**, Cultural Ties between Indian and Saudi Arabia, *Diplomacy & Beyond Plus*, Ghaziabad (UP) February, 2018.
- **Rahman Ubaidur**, Title: ((Role of Education in strengthening family security) published in an international conference proceeding book :*Family Security : Reality & Challenges* published by the International Center for Educational and Family Strategies, U.K. London., 1st Edition February, 2019, ISSN No. 978-1-9160489-0-4.
- **Rahman Ubaidur**, Title: الرسوخ في معرفة الناسخ والمنسوخ للإمام الفراهي : دراسة نقدي (Al-Rusukh fi Ma'rifat-e- al-Nasikh waal-Mansukh by Imam Farahi: A Critical Study) published in *Majallatul Hind* (in an Arabic Quarterly Research Journal), Issue 3, Volume 7, July – September, 2018, ISSN No.2321-7928.

Centre for Chinese and South-East Asian Studies: (06)

- **Mukherji Priyadarsi**, *Xu Fancheng: The Dedicated but Forgotten Chinese Disciple of Sri Aurobindo* Essays in Memory of Prof. Xu Fancheng Kunming: Yunnan Publishing Syndicate, November, 2018, pp.66-67. [ISBN:9787222176119].
- **Mukherji Priyadarsi**, “The Ethos and the Distinctive Features in the Works of Alai” in the Collection of Essays on Alai's Works: *Borderland Books, Naturalis Historia and Epics*. China Writers Association, Beijing, China, November, 2018, pp.216-219.
- **Mukherji Priyadarsi**, *Xu Fancheng: The Dedicated but Forgotten Chinese Disciple of Sri Aurobindo*. Compilation of Essays in Memory of Prof. Xu Fancheng. Kunming: Yunnan Publishing Syndicate, November, 2018, pp.64-65. [ISBN: 9787222176119].
- **Mukherji Priyadarsi**, “Military Campaign, Maritime Heritage and Diplomacy of the Tamil Kingdoms in South- East Asia and China: A Brief Appraisal” in the Proceedings of ICHR sponsored national seminar [ISBN: 9789388398749] on “Military History of Tamil Country through the Ages”. Organized by Dept. of History, Mannar Thirumalai Naicker College, Madurai, Tamil Nadu. March, 2019, pp.1-9.

312

- **Deepak B. R.**, “建立跨喜马拉雅经济与安全联盟：机遇与挑战” (Building Trans Himalayan Economic and Security Community: Opportunities and Challenges) Beslt and Road Studies, China Social Science Press (2018) p. 125.
- **Kumar Rakesh**, “China's Economic Reform and Opening up, Chinese Language: An opportunity for Indian Youth”, *International Journal of Advance & Innovative Research*, Volume 5, Issue 4 (II) : October – December, 2018 (UGC approved 63571) impact factor 3.25.

Centre for English Studies: (18)

- **Bhaduri Saugata**, 'Preface', in Navneet Sethi and Ananya Saha (eds.), *Trajectories of Popular Expression: Forms, Histories, Contexts*, Delhi: Aakar Books, 2019, pp. xi-xiv. [ISBN: 978-93-5002-575-8]
- **Bhaduri Saugata**, 'Dugga Aasen Bengaluru' (poem in Bengali: 'Durga comes to Bangalore'), in *Stuti*, Bengaluru: Eastern Connection Cultural Association, October 2018, p.5.
- **Bhaduri Saugata**, 'Polycolonial Angst: Representations of Spain in Early Modern English Drama', in Joachim Küpper and Leonie Pawlita (eds.), *Theatre Cultures within Globalising Empires: Looking at Early Modern England and Spain*, Berlin: De Gruyter, 2018, pp. 150-59. [ISBN: 978-3-11-053687-4]
- **Bose Brinda**, 'Risk and Pleasure: A Case for Queer Erotica'. *Sexuality, Abjection and Queer Existence in Contemporary India* (Ed. Pushpesh Kumar) Routledge, 2019.
- **Bose Brinda**, 'Hijra Intimacies and Inheritances'. *Sexuality and Society in India* (Eds. Sanjay Srivastava and Rajeev Kumaramkandath.) Orient Blackswan, 2019.
- **Bose Brinda**, 'Teacher Provocateur'. Special issue, Upendra Baxi in *Our Times: Law, Life, Liminality, Jindal Global Law Review*. 2018.
- **Bose Brinda**, 'Pretty Lakes, Gritty Outliers': A Photo-Essay on Calcutta's Changing Geographies. *HimalSouthasian*, August 6, 2018. <http://himalmag.com/pretty-lakes-gritty-outliers-rabindra-sarobar-lakes-photoessay/>
- **Bose Brinda**, [Book Review] 'Body Politic, Body Poetic, Body Sensate'. Review of Gieve Patel's Collected Poems. *Biblio*, July – September, 2018. https://www.academia.edu/37202080/Review_of_Gieve_Patels_Collected_Poems_2018
- **Das Saitya Brata**, "The Melancholic Name" in *Abandonment and Abjection: Melancholy in Philosophy and Art*, (ed. Saitya Brata Das) Delhi: Aakar Books, 2018.
- **Das Saitya Brata**, "Destitution of Sovereignty: The Political Theology of Søren Kierkegaard" in *Kierkegaard and Political Theology*, (ed. Roberto Sirvent) Oregon: Wipf and Stock, 2018.
- **Das Saitya Brata**, "The Withering Away of the University", in *Indian Cultural Forum* <http://indianculturalforum.in/2018/02/21/jawaharlal-nehru-university-saitya-brata-das-attendance/>
- **Das Saitya Brata**, "The Price of Civilization: On Pleasure, Economy and the Law" in *The Beacon* <http://www.thebeacon.in/2018/09/15/the-price-of-civilization-on-pleasure-economy-and-the-law/>
- **Prasad GJV**, "Capital" Consciousness: Reading Rana Dasgupta', co-authored with C.S. Bhagya, *Journal of Postcolonial Writing*, Vol. 54, No 3, 2018, pp. 346-359
- **Prasad GJV**, "R.K. Narayan", *Oxford History of the Novel in English* (Vol X), edited by Alex Tickell, 2018.
- **Kumar Udaya**, 'Sovereignty, Allegory and Political Affect: K. Narayana Kurukkal's Novels,' in *Novel Formations: The Indian Beginnings of a European Genre*, (eds. Baidik Bhattacharya and Sambudha Sen) Ranikhet: Permanent Black, 2018, pp. 167-210.
- **Kumar Udaya**, 'The Legibility of Things: Objects and Public Histories in N. S. Madhavan's Litanies of Dutch Battery,' in *Narratology and Ideology: Encounters between Narrative Theory and Postcolonial Criticism*, (eds. Divya Dwivedi, Henrik Skov Nielsen & Richard Walsh), Ohio: Ohio State University Press, 2018, pp. 74-90.
- **Singh Dhananjay**, "Bhayanaka (Horror and the Horrific) in Indian Aesthetics" in Kevin Corstorphine and Laura Kremmel eds., *The Palgrave Handbook to Horror Literature*. London: Palgrave, 2018, pp.21-32.
- **Singh Dhananjay**, "Charles Wilkins's Bhagvat-Geeta and the Problems and Politics of Translating the Language(s) of Oriental Gods and Men" in GJV Prasad and Madhu Benoit eds., *Violets in a Crucible-Translating the Orient*, Delhi: Pencraft India, 2019, pp. 27-41.
- Centre for French and Francophone Studies: (03)**
313
- **Agnihotri Ashish**, Ben Jelloun's L'enfant de sable. A Maghrebi Tribute to the Blinding Brilliance of J.-L. Borges » in *Hispanic Horizons*, International Journal of Spanish, Portuguese, Italian & Latin American Studies, JNU, Vol. 34, 2018.
- **Agnihotri Ashish**, A Nation in Damnation. And the (Neorealist) Quest for Grace in Vittorio De Sica's Umberto D. » in *Research & Criticism*, Journal of Dept. of English, BHU, Varanasi, Vol. 8. 2018.
- **Kumarasamy, Pugazhendhi**, "Translating Poeticity: A Case Study of the Tirukkural Translations into French," *Translation Today*, June 2018, pp 69-84, Mysuru: National Translation Mission (ISSN 0972-8740).
- Centre of German Studies: (07)**
- **Guite Mercy Vungthianmuang**, (Non)-Contemporaneity of Revolution in Anna Seghers'Das Licht auf dem Galgen and Heiner Müller's Der Auftrag. (Un-) Gleichzeitigkeiten. (Eds) Carmen Ulrich. Indicium. 2018. ISBN: 978-3- 86205-621-7
- **Singh Rosy**, 'Equivalents in Translation: The Case of Gandhi', *Panjab University Research Journal (Arts)*, Vol. XLV, No. 1, 2018, pp 90-95.
- **Singh Rosy**, Die Konstellation von Lärm und Stille in Kafkas Werken: Großer Lärm, In unserer Synagoge..., Der Bau', *Wirkendes Wort*, Jg 64, Heft 2, 2018, pp 201-210

- **Thaliath Babu**, 'The contextuality of sciences', in *Homo sapiens : a Travancore journal of philosophy*, OIRSI Publications, Vadavathoor, Kottayam (2018), Vol. 1, Issue 1, p. 73-104. also in FreiDok, Alberts-Ludwigs- Universität Freiburg, Freiburg i. Br. 2018, URL: <https://freidok.uni-freiburg.de/data/16428>
- **Thaliath Babu**, 'Masks', FreiDok, Alberts-Ludwigs-Universität Freiburg, Freiburg i. Br. 2019, URL: <https://freidok.uni-freiburg.de/data/16983>
- **Thaliath Babu**, Die Phänomenologie des Biographierens : Erinnerung und Wiedererinnerung im Prozess der biographischen Rekonstruktion, FreiDok, Alberts-Ludwigs-Universität Freiburg, Freiburg i. Br. 2018, URL: <https://freidok.uni-freiburg.de/data/16295>
- **Thaliath Babu**, Das Faktum des Objekts, FreiDok, Alberts-Ludwigs-Universität Freiburg, Freiburg i. Br. 2018, URL: <https://freidok.uni-freiburg.de/data/16427>

Centre of Indian Languages: (40)

- **Alam S M Anwar**, 'Ismat Chughtai: Mutala ke chand pehlu', Armaghan, and research and refried journal of the Deptt. of Urdu, Jamia Millia Islamia, New Delhi, 2018.
- **Bilimale Purushottama**, *Voyage of a text*, Samahita, Dharwad, November, 2018.
- **Bilimale Purushottama**, *Medieval Bhakti literature and Karnataka Folklore*, Kanakadasa Research Centre, Bangalore, January, 2019.
- **Bilimale Purushottama**, 'The North South Division as depicted in Ancient Indian Literature', *Prajavani*, Special issue, November, 2018.
- **Bilimale Purushottama**, '2011 Census and the problems of Regional languages', *Udayavani*, Kannada daily, Manipal, Karnataka, January, 2019.
- **Bilimale Purushottama**, 'The future of Humanities in India', *Prajavani* – Kannada Daily, March, 2019.
- **Choubey Devendra**, 'Samkalin Vishwa Sahitya', translated into Kannada by Dr. H M Kumarswamy, *Prajavani* (Kannada), pp 221-227, Bangalore, October, 2018.
- **Choubey Devendra**, 'Dalit-Mukti Ka Sawal Aaj Bhi Snkraman Ke Dour Se Gujar Raha hai' (on Dalit literature) (Research based interview), by Dr. Ekrar Ahmad and Dr. Meenakshi, *Bahuvachan*, Jan.-March, 2019, pp 122-126, Vardha: Mahatma Gandhi International Hindi University (ISSN 2348-4586).
- **Choubey Devendra**, 'Naye Sahity Sidhant Ki Jarurat', Sunday magazine *Ravivari, Jansatta*, 15 November 2018, Delhi: The Indian Express Private Limited (21047/03-05).
- **Choubey Devendra**, 'Itihas se Samvad Karata Ek Lekhak', *Dainik Jagaran*, 11 June, 2018, Delhi.
- **Choubey Devendra**, 'Uchaly' (Poetry), magazine *Ravivari, Jansatta*, 27 January, 2019, Delhi: The Indian Express Private Limited (21047/03-05).
- **Choubey Devendra**, 'Tanashah' (Poetry), *Naya Gyanoday*, May 2018, Delhi: Bharatiya Gyanpith (ISSN 2278- 2184).
- **Jinabade Moinuddin A**, "Hath Laiyaan Kumhlaiyyan, Lajwanti de Bute," Quarterly Hindi Journal *Alochana*, January-March, 2019, pp 96-101, New Delhi: Rajkamal Prakashan (ISSN 2231-6329 Alochana).

314

- **Jinabade Moinuddin A**, "Hath Laiyaan Kumhlaiyyan, Lajwanti de Bute," Quarterly Hindi Journal *Alochana*, January-March, 2019, pp 96-101, New Delhi: Rajkamal Prakashan (ISSN 2231-6329 Alochana).
- **Khan Md. Tauheed**, Urdu Fiction ke Fikri Dhare aur Ismat ke Novel", In quarterly Urdu Journal *Fikr-O-Tehreer* (April-June, 2018) Kolkata, Vol No. 05. ISSN No. 2394-0557.
- **Khan Md. Tauheed**, "Ismat Chughtai ka Fikri Irteqa aur unke Afsane" in quarterly Urdu research referred journal, Issue, 15 July-September, 2018, ISSN: 2348-3687. (www.urdulinks.com/urj, www.urduresearchjournal.com)
- **Navin Deo Shankar**, "Parajay (Short Story)" *Jansatta*, 20 May, 2018, pp 2, New Delhi (Registration No. 42893/83).
- **Navin Deo Shankar**, "Pankh Khone Kee Sanak" *Jansatta*, 1 July, 2018, pp 7, New Delhi, (Registration No.42893/83).
- **Navin Deo Shankar**, "Bhasha Prayog Men Manmanee" *Jansatta*, 6 September, 2018, pp 2, New Delhi, (Registration No. 42893/83).
- **Navin Deo Shankar**, "Boliyon Ki Taqat" *Jansatta Sunday*, October 14, 2018, pp 7, New Delhi, (Registration No. 42893/83).
- **Navin Deo Shankar**, "Janshakti Ke Prati Ashwast Kavi Kedarnath Singh", *Antarang*, June, 2018, pp 9-18, Begusarai (ISSN 2348-9200).
- **Navin Deo Shankar**, "Dhoortsamagam Ka Punarpath," *Antarang*, March, 2019, pp 05-18, Begusarai (ISSN 2348- 9200).
- **Navin Deo Shankar**, "Nachiketa Se Sakshatkar," *Bharte Mandan Patrika* 14, 2018, pp 192-204, Kisun Sankalplok, Supaul.

- **Navin Deo Shankar**, "Lekhan Aur Vivad Kee Parampara," *Jansatta*, 28 January, 2018, pp 6, New Delhi 110068 (Registration No. 42893/83).
- **Navin Deo Shankar**, "Rajkamal Chaudhareek Upanyas: Ekta Vishleshan," *Teerbhukti*, 2018, pp 5-12, New Delhi, (RNI. 1322786/DELMAL 00042).
- **Navin Deo Shankar**, "Manager Pandey Kee Aalochna Drishti," *Kiranvarta*, September-December, 2018, pp 07-10, Hazipur (RNI.BIHHIN/2017/75627).
- **Sahoo Udayanath**, "Bhagabatar Sampratik Mulyabodh" *Pratibesi*, December, 2019.
- **Sahoo Udayanath**, "Fakir Mohananka Galpar Nabmulyayan", *Shree*, January, 2019.
- **Singh Malkhan**, 'Samkalinkavita me gramyachetna' in the book *Bhartiysahitya: chintanaurchunautiyan (HINDI)*, A R Publishing Co., Delhi, pp. 106, ISBN No-978-93-88130-16-5
- **Thamotharan (Aravendan) R.**, "Reason for Kuranthokai's commentaries (in Tamil)", Vol. 42, pp. 17-30, Thanjavur: Manarkeni Publisher (ISSN 2249-9164).
- **Thamotharan (Aravendan) R.**, "Personality of Scholars was created by K.P. Aravaanan's Personality (in Tamil)", *Journal of Ungal Noolagam*, Vol. 1, pp. 15-20, Chennai: NCBH.
- **Thamotharan (Aravendan) R.**, "History is made by Perumpannatrupadai: Dravidian Antidravidian views (in Tamil)", *Journal of Manarkeni*, Vol.43, pp 66-79, Thanjavur: Manarkeni Publisher (ISSN 2249-9164).
- **Thamotharan (Aravendan) R.**, "Antidravidians views in esthetic of commentary (in Tamil)", *Journal of Pirazh*, Vol. 1, pp. 16-20, Madurai: Pirazh Publisher.
- **Thamotharan (Aravendan) R.**, "Aravaanan's historiography and understanding of caste (in Tamil)", *Journal of Manarkeni*, Vol.44, pp. 110-112 Thanjavur: Manarkeni Publisher (ISSN 2249-9164).
- **Zahri M. Asif**, "Kalame Ghalib mein Raqeeb", Al Hamd, Department of Urdu, Al Hamd, Islamic University, Islamabad, January to June, 2018, pp.. 23-31.
- **Zahri M. Asif**, "Subh-e-Azadi", *Kitabnuma*, New Delhi, April, 2018, pp. 17-21).
- **Srivastava Garima**, Vama Shikshak – Article published in *Artland*, page no. 29 – 35, January – March, 2019.
- **Srivastava Garima**, A very Easy Death – Simone De Beavoir's Autobiographical Novel, Translation published in *Rachna – Samay*, page no. 67 – 75, January – February, 2019.
- **Srivastava Garima**, Husn Ka Bazar ya Sewa Ka sadan, published in *Tadbhav Journal*, page no. 19 – 38, May, 2018.
- **Srivastava Garima**, Dariyu ke Prati, A story translated from Pourtagese to Hindi, published in *Bahuvachan*, Mgahvv, April – June, 2018.
- Centre for Linguistics: (03)**
- **Haokip Pauthang**, "Agreement in Kuki-Chin languages of Barak valley", *Journal of South Asian Languages and Linguistics. JSALL*, 2018; 5 (2): 159-210.
- **Haokip Pauthang**, Optional case marking in Bodo. *Journal of Southeast Asian Linguistics Society*. Vol. 11(1), (2018): i-xiv; 1-14
- 315**
- **Haokip Pauthang**, Clans, Tribes and unions of Tribes: Nomenclature of Northeast India. *Economic and Political Weekly*, September 1, 2018, vol. LIII, No. 35, pp. 61-66.
- Centre of Persian and Central Asian Studies: (08)**
- **Ansari Akhlaq Ahmad**, "Ali Shernovoi o moasheranesh", *O'zbek Tili wa Adabiyoti Annual Journal*, 2019, Art Academy of Uzbekistan Republic, Tashkent, ISSN: 2181542-9.
- **Ansari Akhlaq Ahmad**, "Amir Ali Shernovai o moasherane Hendiy woy", *Doshanbe*, June, 2019.
- **Ansari Akhlaq Ahmad**, "Babor and India, *Babor o Johon quarterly*", Vol. 1, No.10, Tashkent, April, 2019.
- **Ansari Akhlaq Ahmad**, "Amir Ali Shernawai and his Indian Contemporaries", *Do'stlik Bayrog'i, Novoi*, 5 February, 2019.
- **Hasan Syed Ainul**, Sare Tasleem Kham, Stages of Accomplishment, (Page No. 11-18) Abbas Book Depo Lucknow, August, 2018.
- **Hasan Syed Ainul**, Dahane Infejar, Aadam Az Kudum Fasl bo Zamin Oftad, Asre Mardom, Shiraz-Iran March, 2019.
- **Shah Allauddin Ahmed**, Sk. Ishtiaque, Miratul Estelah: Tahqeeq wa Tasheeh ke Aayene me; Faizan e Adab, An International Refereed Research Journal, April, 2018, pp 434-39, Persian & Urdu Research Institute, Mau (ISSN: 2456-4001).
- **Afzal Mohammad Ahmed**, Sk. Ishtiaque, Baba Fariduddin Ganj Shekar ki Adabi wa Ejtemayi Dhidmat; Dabeer, April, 2018, pp 40-47, Lucknow; U.P. (ISSN: 2008-5710).
- Centre of Russian Studies: (15)**
- **Banerjee Ranjana**, Evgenii Chelyshev: The Russian Advocate of Swami Vivekananda and His Philosophy in *Assonance: A journal of Russian & Comparative Literary Studies*, No.19. Department of Russian and Comparative Literature, University of Calicut, Kerala, Issn-2394-7853 p.84-93, January, 2019.

- **Narain Meeta**, CRS and 70 years of Indo-Russian Diplomatic Relations, published in *CRITIC*, journal of CRS, JNU, Issue No. 15, Special Issue dedicated to Prof. CN. Chakravarty, December, 2018 (ISSN: 2229-7146).
- **Bandyopadhyay Arunim**, Bandorer adventure (Translation of a short story of Mikhail Zoshenko from Russian into Bengali) in *Galpaguccha*, Kolkata, March, 2019.
- **Verma Kiran Singh**, *Bhookamp* (Zemletriseniye) by Mikhail Zoshenko (translation from Russian into Hindi), 'Rusi Anuvad Vividha - 2', Goyal Publishers, New Delhi, 2018.
- **Verma Kiran Singh**, Translation of the three poems of Russian poet Aleksei Illuviev into Hindi, 'Rusi Anuvad Vividha - 3', Goyal Publishers, New Delhi, 2019.
- **Ambedkar Vinay Kumar**, 'Space' in the Hindi translation of Alexander Khurgin's Short-stories, in "Materials II International Scientific and Practical Conference", Simferopol, Ch. ed. M.V. Norets, Simferopol, Russian Federation, published by IT "ARIAL", ISBN 978-5-907032-50-7, pp.679, April, 2018.
- **Shreeniwas Nagendra**, "Folkloric and Skazic Elements in Solzhenitsyn." *Critic*, No.15, 2018, ISSN: 2229-7146, pp. 208-215.
- **Manuradha Chaudhary**, "Политические Метафоры Перестроенного Периода в Русском Языке (На Основе Военной Лексики)" Accepted in issue no 16. *Critic*. 2018-2019, published by Centre for Russian Studies, Jawaharlal Nehru University, and New Delhi. pp. no.167-172. (ISSN- 2229-7146).
- **Saini Sonu**, Published Translated Course of N.V. Vinogradova from Russian to Hindi. Н.В. Виноградова. Курс обучения русскому речевому этикету «Волшебные русские слова» (A1-A2). Урок1. Как сказать: «Здравствуйте!» или «Привет!»? Published on <http://ac.pushkininstitute.ru/course3.php>, December, 2018.
- **Saini Sonu**, Н.В. Виноградова. Курс обучения русскому речевому этикету «Волшебные русские слова» (A1- A2). Урок 2. Как сказать: «До свидания!» или «Пока!»? Published on, <http://ac.pushkininstitute.ru/course3.php>, December, 2018.
- **Saini Sonu**, Н.В. Виноградова. Курс обучения русскому речевому этикету «Волшебные русские слова» (A1-A2). Урок 3. Как обратиться: на «Вы» или на «Ты»? Published on <http://ac.pushkininstitute.ru/course3.php>, December, 2018.
- **Saini Sonu**, "Growing Multilingualism in India and Russia in the Light of Indigenous Languages". Polylinguality and Transcultural Practices,. DOI 10.22363/2618- 897X-2018-15-4 pp. 537—545, Issue 2018, 15 (4) <http://journals.rudn.ru/polylinguality/article/view/20242>.

316

- **Saini Sonu**, "О необходимости нового варианта перевода русских народных сказок на язык хинди." (Requisite of the Translation's New Version of Russian Folk Stories in Hindi) *World of the Translation of Literature. IV International Congress of Translators of Literature. Volume II*, p. 139-145. ISBN 978-5-91922-068-8 (T. 2), September, 2018.
- **Saini Sonu**, "Spurt of Opportunities: Russia language in India in magazine of Hindustani Samaj, *Maitri*, pp 52-53, 2018.
- **Saini Sonu**, www.rajasthani-bhasha-sahitya.com (www.rajasthani-bhasha-sahitya.com) www.rajasthani-bhasha-sahitya.com, Rajasthani Bhasha Sahitya & Sankriti Akademy Bikaner, Rajasthan, 2018-2019, 3 pp. 97-99. ISSN 2319-3603

Books: (43)

Centre of Arabic and African Studies: (04)

- **Ahmad A. Basheer**, *Nam Cherip Pillaihal* (Tamil Translation of Nobel Prize Winning Arabic novel by Najib Mahfouz) A. Basheer Ahmad Jamali, published by CAAS, JNU, New Delhi, February, 2019 ISBN 978-93-5346- 479-0
- **Rahman Mujeebur**, *Rashtrapita ke pravchan: Shekh zayid bin Sultan al-Nayhyan* (Hindi translation of the Arabic book *Kalimatul Qaid al sheikh zayid bin sultan al Nahyan*, ISBN: 978-9948-38-965-1, Department of Culture and Tourism, Abu Dhabi, UAE, January, 2019
- **Ajmal Mohammad**, *Learn Modern Arabic* (2nd Edition), Roseword Books, New Delhi, October, 2018. ISBN: 978- 81-925611-0-3
- **Ajmal Mohammad**, *Hijrataon Ki Panaahgaah* (Urdu Translation of موسم الهجرة إلى الشمال , published by Brown Book Publications, Pvt. Ltd., January, 2019. ISBN:978-93-87497-764

Centre for Chinese and South-East Asian Studies: (05)

- **Deepak B.R.** (Tr.), www.sanskriti.org : www.sanskriti.org, Prakashan Sansthan 2019 (Chinese to Hindi translation of 季羨林评传》by Yu Longyu and Zhu Xuan, Jinan: Shandong Publishing House (2015)
- **Deepak B.R.** (Tr.), *Ji Xianlin: A Critical Biography*, Pentagon Press, New Delhi 2019 (Chinese to English Hindi translation of 《季羨林评传》by Yu Longyu and Zhu Xuan, Jinan: Shandong Publishing House (2015)

□ **Ansari Akhlaq Ahmad** (Ed), *Maktubat e Muhibullah Shah Allahabadi*, India-Afghanistan Foundation a combined project of both the countries, headed by respective ambassadors. ISBN 978-93-85294-44-0, New Delhi, 2019.

□ **Ansari Akhlaq Ahmad**, *Rawande taze der Farsi, Sher e Nau wa Sohrab Sepehri*, ISBN 978-600-88373-33-9, Entesharate Midhat, Tehran, 2018

□ **Hasan Syed Ainul**, Irfan-e-Tasawwof Vil-1 by Dr. Ghulam Yahya Anjum, Reviewed under the project proposal duly approved by National Council for Promotion of Urdu Language, New Delhi, June, 2018

Centre of Russian Studies: (07)

318

□ **Bandyopadhyay Arunim**, *Paschimiphand o onyanyogolpo* (Translation of twenty short stories of Mikhail Zoshenko from Russian into Bengali), Rupali Publications, Kolkata, 2018.

□ **Verma Kiran Singh**, *Chingiz Aitmatov ki shreshth kahaniya*, dedicated to 90th Anniversary of famous Soviet Writer – Chingiz Aitmatov, (Translation from Russian into Hindi), Goyal Publishers, New Delhi, 2018.

□ **Verma Kiran Singh**, *Adhunik Rusi Kahaniyan*, (Translated from Russian into Hindi), Brown Book Publications Pvt. Ltd, New Delhi, 2019.

□ **Anand A. Sawant R.**, Ambedkar V. and Thakur S. Romashka, *A Textbook of Text Analysis* (in Russian), Langers International Pvt. Ltd., New Delhi, 2019.,

□ **Ambedkar Vinay Kumar**, *Romashka – A Textbook of Text Analysis* (in Russian), published by Langers International Pvt. Ltd., New Delhi, 2019, pp. 192

□ **Chaudhary Manuradha**, *Kala Kot or Dusri Kahaniyan*, (Translated from Russian into Hindi), Brown book publications Pvt. Ltd, New Delhi, 2019.

□ **Sawant Richa**, Vinay Kumar Ambedkar, Ashutosh Anand & Subhash Kumar Thakur, *Romashka: A textbook of text analysis*, Langers International. New Delhi 2018.

Centre of Spanish, Portuguese, Italian and Latin American Studies: (01)

□ **Sanyal Sovon**, **Arizangela Oliveira Figueiredo** edited by Marcia V Cavalcante, *Portuguese Language in India and in Other Lands*, Adroit Publishers, New Delhi, ISBN: 9788187393634, 2018.

Chapters in Books: (26)

Centre for French and Francophone Studies: (06)

□ **Chaudhry Kiran**, “La pensée de Premchand. Une première traduction de ses écrits” in *Les écrits de Premchand*, L’Harmattan, Paris, 2018. ISBN: 978-2-343-16274-4

□ **Chaudhry Kiran**, “Developing Reading Skills through Literary Texts: A Hybrid Interactive Approach” in *Study of Japanese Language through Literature: Why? What? Where?* Ed. Anita Khanna, Northern Book Centre, Delhi, 2018

□ **Karkun Abhijit**, *Vers une société inclusive: une gestion interculturelle de la classe moyenne. Une étude des castes et des tribus défavorisées en Inde (Towards an Inclusive Society: An Intercultural Management of Middle Class. A study of Disadvantaged Tribes in India)* in *Interculturalité, circulation, globalisation. Nouveaux contextes et nouvelles pratiques - Préface de Jean Pierre Olivier de Sardan*, sous la direction de Dominique Tiana Razafindratsimba et Lolona N. Razafindralambo aux éditions L’Harmattan, Paris, 2018. ISBN: 978-2-343-14997-4, 492 p.

□ **Agnihotri Ashish**, *On se voit quand?* »Adaptation of Latitudes 1 for Foundation Course in French Part-I (Semester I), Institute of Distance Education, University of Madras, Chennai.

□ **Agnihotri Ashish**, *Bonne idée* Adaptation of Latitudes 1 for Foundation Course in French Part-I (Semester I), Institute of Distance Education, University of Madras, Chennai.

□ **Kumarasamy Pugazhendhi**, “Poetry, Phoenix of Translation: Perspectives and Views on the Translations of Tirukkural”, in *Violets in a Crucible” Translating the Orient*. Ed. Madhu Benoit, Susan Blattès, GJV Prasad. New Delhi: Pencraft International, 2019, pp. 90-102.

Centre of German Studies: (03)

□ **Naithani Sadhana**, and Bacchilega, Cristina. *Colonialism, Postcolonialism and Decolonization*. Pauline Greenhill, Jill Terry Rudy, Naomi Hamer and Lauren Bosc (Eds.) the Routledge Companion to Media and Fairy-Tale Cultures. Routledge, New York and London.

□ **Naithani Sadhana**, “South Asian Fairytale Worlds” in: Andrew Teverson (Ed.), *Fairy Tale Worlds*. London:Routledge.

□ **Sahni Madhu**, “Ohne Zorn: Autobiographisches Schreiben über Gewalt”, In: *Akten des XIII. Internationalen Germanistenkongresses Shanghai 2015 - Germanistik zwischen Tradition und Innovation - Herausgegeben von Jianhua Zhu, Jin Zhao und Michael Szurawitzki Band 9*. Peter Lang, Frankfurt am Main, 2017.

Centre of Indian Languages: (05)

319

□ **Navin Deo Shankar**, “Lekhan Unke Liye Poornkalik Kaam Thaa”, *Nagarjun Dilli Mein*, (Editor) Jahidul Deewan, Samyik Prakashan, New Delhi, 2018.

- **Navin Deo Shankar**, Rajkamal Chaudhareek Upanyas : Ekta Vishleshan, Maithili Shaodh Sancahya, (Editor) Vineet Utpal & Ritesh Pathak, Teerbhukti Prakashan, New Delhi, 2018.
- **Navin Deo Shankar**, “Dhoortsamagamak Punarpath in Jyotirishwarkrit Dhoortsamagam: Prastuti, Prakriya Evam Parinati by Dr. Prakash Jha Mailorang Prakashan, New Delhi, 2019 pp 29-38 (ISBN: 978-93-82828-30-Sahoo, Udayanath: Panchasakha Sahityara Bhasa - Vyasha Deepika, F.M. College, Balasore, Odisha.
- **Sinha Raman P.**, “Poetry in Ragas or Ragas in Poetry: Studies in the Concept of Poetic Communication in Texts and Traditions in Early Modern North India”, (eds.) Tyler Williams, John Stratton Hawley, and Anshu Malhotra, Oxford University Press, 2018.
- **Srivastava Garima**, Hindi Kavya ki Kokilayen, published by Nayi Kitab Publications, March, 2019.

Centre for Japanese Studies: (07)

- **Anushree**, Making Japanese Language Classes Interesting: Use of Short story Manga App as a Classroom Tool, ed. Janashruti Chandra, New Delhi, Northern Book Centre, 2018: 179-189.
- **Chandra Janashruti**, Text resource development for Uttarakhand Open University, Haldwani. (Authored Course 3, Block 2, Units 1,2,3,4 of Textbook and Workbook).
- **Chandra Janashruti**, “Language of Impoliteness- Through Japanese literary texts” in Chandra, Janashruti (Ed.), *Interlinking Linguistics and Literature- To Read Japanese Literary Texts*, Northern Book Centre, New Delhi, 2018.
- **George P.A.**, “The Japanese Language in India”, in G.N.Devy, T. Vijay Kumar (ed.), People’s Linguistic Survey of India, Vol.37: English and Other International Languages, Bhasha Research and Publication Centre 2018, Orient Blackswan Private Limited, Hyderabad, 2018, Pp.100-106.
- **Lakshmi M.V.**, Textbook and Exercise book for Certificate Course in Japanese language for Uttarakhand Open University, Haldwani. (4 units of Block 5)
- **Lakshmi M.V.**, “India in Fukai Kawa: A Study of Lexicon” in *Interlinking Linguistics and Literature to Read Japanese Literary Texts*, Ed. Janashruti Chandra, Northern Book Centre, New Delhi, 2018.
- **Singh Rupa**, “Women’s Language in Modern Japanese Literary Texts” in *Interlinking Linguistics and Literature*, Ed. Janashruti Chandra, New Delhi: Northern Book Centre, 2018

Centre of Persian and Central Asian Studies: (02)

- **Shah Allauddin, Ahmed**, Sk. Ishtiaque, “Tagerat e Farhangi dar Enteqal e Matan az Panj tantra ba Kalia wa Dimna”, Kalila and Dimna dar Ghuzar e Tareekh. Ed. Husaini, Ali Reza. Tehran: Darius Publication, 978-500-885- 248-3.
- **Vardhan Arihant Kumar**, “Kabir and Farsi, Stages of Accomplishment”, (p. 71), *Hindi Sayitya aur Bharitya Sanskriti*, August, 2018.

Centre of Russian Studies: (03)

- **Banerjee Ranjana**, On Breaking the Silence (A comparative study of Svetlana Alexievich’s *War’s Unwomanly Face* and Urvashi Butalia’s *The Other Side of Silence*”, published in the Conference Proceedings of “Comparative Literature: At the Crossroads of Culture and Society” by Centre of Comparative Literature, in association with UGC, Sahitya Akademi, and Oxford University pp.198-212.
- **Banerjee Ranjana**, Тема «малой» и «большой» родины в лирике Сергея Есенина и Рабиндраната Тагора (The Theme of Homeland in the Lyrical Works of Sergei Esenin and Rabindranath Tagore) Сергей Есенин. Личность. Творчество. Эпоха. Ч. III: Сб. науч. трудов / Институт мировой литературы имени А. М. Горького РАН, Рязанский государственный университет имени С. А. Есенина, Государственный музей-заповедник С. А. Есенина. М. — Константиново — Рязань: Государственный музей-заповедник С. А. Есенина, 2018. 640 с. Сер. «Есенин в XXI веке». Вып. 6. ISBN 978-5-9903484-8-6. с.168-182.
- (Sergey Yesenin’s Life, works and Period. Part III, continuing the series Yesenin in the XXI Century, Translated version, published by Gorky Institute of World Literature RAS (Moscow), Ryazan State University, Yesenin State Museum Konstantinovo. 2018. 640 pages. Issue. 6. ISBN 978-5-9903484-8-6. p.168-182)

Media Articles (Newspapers/Non-Technical Magazines): (49)

Centre of Arabic and African Studies: (22)

- **Rahman Mujeebur**, Hal shibhul qarah al hindiya muqbilala ala harb (Is Indian subcontinent on the brink of a war) *Al-Roeya*, Daily Arabic Newspaper, Dubai, 25 February, 2019.
- **Rahman Mujeebur**, Al Hind wa munazzama al-ta’aon al-islami (India and IOC) *Al-Roeya*, Daily Arabic Newspaper, Dubai, 5 March, 2019.
- **Rahman Mujeebur**, Ab’aad jadidah lil-sharakah baina al hind wal Imarat (New Dimensions of India UAE partnership) *Al-Roeya*, Daily Arabic Newspaper, Dubai, 11 March, 2019.
- **Rahman Mujeebur**, Al-intikhabaat al-aamma al-muqbilala fi-al-hind (Forthcoming General Elections in India) *Al-Roeya*, Daily Arabic Newspaper, Dubai, 18 March, 2019.
- **Rahman Mujeebur**, Eid Holi: ramzul tanawwu’ wa hub al marah (Holi a symbol of diversity and fun loving) *Al-Roeya*, Daily Arabic Newspaper, Dubai, 24 March, 2019.
- **Ajmal Mohammad**, “Communalism: No gain only vain”, *Rashtriya Sahara*, New Delhi, 6 April, 2018.

- **Ajmal Mohammad**, “Four years of government: Full of Challenges”, *Rashtriya Sahara*, New Delhi, 1 June, 2018.
- **Ajmal Mohammad**, “Rays of Hope in Syria: Recep Taieb Ordugan”, *Rashtriya Sahara*, New Delhi, 13 July, 2018.
- **Ajmal Mohammad**, “Lynching: A Blot on forehead of Civil Society”, *Rashtriya Sahara*, New Delhi, 27 July, 2018.
- **Ajmal Mohammad**, “This Time is Unappropriate for Politics”, *Rashtriya Sahara*, New Delhi, 24 August, 2018.
- **Ajmal Mohammad**, “No Paucity of Abilities but of Facilities”, *Rashtriya Sahara*, New Delhi, 14 September, 2018.
- **Ajmal Mohammad**, “Who will Win”, *Rashtriya Sahara*, New Delhi, 12 October, 2018.
- **Ajmal Mohammad**, “Assembly Elections: Not Easy to read People’s Mind”, *Rashtriya Sahara*, New Delhi, 26 October, 2018.
- **Ajmal Mohammad**, “Telangana Assembly Elections: Prediction is Not Easy”, *Rashtriya Sahara*, New Delhi, 9 November, 2018.
- **Ajmal Mohammad**, “Poverty in the World: Causations and Solutions”, *Rashtriya Sahara*, New Delhi, 23 November, 2018.
- **Ajmal Mohammad**, “G-20 Summit and India”, *Rashtriya Sahara*, New Delhi, 7 December, 2018.
- **Ajmal Mohammad**, “Purchase of Rafale: Doubtful”, *Rashtriya Sahara*, New Delhi, 21 December, 2018.
- **Ajmal Mohammad**, “Babri Masjid Conflict and Present Politics”, *Rashtriya Sahara*, New Delhi, 18 January, 2019.
- **Ajmal Mohammad**, “Muslims: Educationally Backward: Causations and Solutions”, *Rashtriya Sahara*, New Delhi, 1 February, 2019.
- **Ajmal Mohammad**, “Terrorism an Inhumane Act”, *Rashtriya Sahara*, New Delhi, 1 March, 2019.
- **Ajmal Mohammad**, “Ancient Arabic Poetry and Imra’ul Qais”, *Rashtriya Sahara*, New Delhi, 3 March, 2019.
- **Ajmal Mohammad**, “It is Difficult to say who will win”, *Rashtriya Sahara*, New Delhi, 29 March, 2019.
- Centre for Chinese and South-East Asian Studies: (21)**
- **Deepak B. R.**, “BRI antidote to anti-globalization, protectionism,” *Xinhua*, Interview, 11 April, 2018. http://www.xinhuanet.com/english/201804/11/c_137103025.htm?from=singlemessage&fbclid=IwAR3LNTxNEA5rkhk2E5qItge7pr1gxSQaTtG1e4gHrIBW2d6QajUObzyoJSw
- **Deepak B. R.**, “Modi-Xi meeting: The futility of confrontation” an interview with *The Sputnik*, 24 April, 2018. https://sputniknews.com/interviews/201804241063855368-india-china-both-realize-futilityconfrontation/?fbclid=IwAR3OHPRre9PXv2z75jO1DKtGZ6_ryQbZzWao0TtdHUdwW4UXY7EWNh3mgc
- **Deepak B. R.**, “习莫何以突然加戏促成武汉密会” (What triggered the Wuhan Unofficial Summit) Dawei News http://news.dwnews.com/global/news/20180425/60054114.html?fbclid=IwAR0o7JmYEaL4SMITczHdGDuEmdzVG-iREsmQ7VmDhljzUWYinQ5j_Z_iQlo
321
- **Deepak B. R.**, “Pursuing India – China Harmony”, *China Daily*, 23 April, 2018. https://www.chinadailyhk.com/articles/67/176/170/1524467805030.html?fbclid=IwAR3clX_csgf84lnGstFOcdR0w113BMGjPPHqHLXvemLnPz8GtJqEJmgYib8
- **Deepak B. R.**, “China’s Leadership Role at the SCO” interview with *Xinhua*, 27 May, 2018. http://www.xinhuanet.com/english/201805/27/c_137210052.htm?from=singlemessage&fbclid=IwAR1QjOmYhWK0XWlt7j2N86RHJLHOKs-O97vsQKhpUgGyybK-Zx6v6lQb67U
- **Deepak B. R.**, “SCO Key to counter terrorism” interview with the *China Daily*, 4 June, 2018.
- **Deepak B. R.**, “China’s soft power is as sharp as sharp can be”, *Sunday Guardian*, 14 April, 2018. https://www.sundayguardianlive.com/opinion/chinas-soft-power-sharp-sharpcan?fbclid=IwAR3n0cL_qgBiBmFdkGjosEougqaXask8g2E9uJQwm9zma4eko10n9ALHFWw#.WykFHIqcf24.facebook
- **Deepak B. R.**, “US-China Trade War Kicks off” *Sunday Guardian*, 7 July, 2018. https://www.sundayguardianlive.com/opinion/us-china-trade-war-kicks-off?fbclid=IwAR2RBVpwMYJtUHa-90TxsqBLMjuQuzyhdeSaLnhg_OQ8aneyBt81pyzBvFI
- **Deepak B. R.**, “Analyzing Xi Jinping’s speech at Johannesburg BRICS Summit,” *CGTN*, 27 July, 2018. https://news.cgtn.com/news/3d3d414e3163444d79457a6333566d54/share_p.html?fbclid=IwAR3MxzMEc9FNH8uZELi90gSPbV-zJTNRmHll_VOMURN02X973g4YnnVws
- **Deepak B. R.**, “Philosophical foundations of Xi Jinping’s New Era” *Sunday Guardian*, 28 July, 2018. <https://>

www.sundayguardianlive.com / opinion/philosophical-foundations-xis-new-era?fbclid=IwAR33fgXNYOMdFcGJNfPzMoTWdEfBBUyQUUDYV-

REn4KKKEyjSoaGubWFO7Y#.W13Mj2EA-Sw.facebook

□ **Deepak B. R.**, “China riled by the Indo-Pacific Construct”, *Sunday Guardian*, 18 August, 2018.

<https://www.sundayguardianlive.com/opinion/china-riled-indo-pacificconstruct?fbclid=IwAR10eIxW7EXEKr5PS7edSDztdV2KLPahKdxhTQyOCg5hshpLhIqEdGGNZ4>

□ **Deepak B. R.**, “China watching India-US 2+2 dialogue with keen interest”, *Sunday Guardian*, 1 September, 2018. https://www.sundayguardianlive.com/opinion/china-watching-india-us-22-dialogue-keeninterest?fbclid=IwAR2mexdjkdAyL6n4s1HjZc4Bfy5VT1SYFrcyg8udBb0s6LCq_nwXVy3rypY

□ **Deepak B. R.**, “Five years of BRI: Retrospect and prospects”, *CGTN*, 8 September, 2018.

https://news.cgtn.com/news/3d3d774d3555444d7a457a6333566d54/share_p.html?fbclid=IwAR27Lo1tPmyV7Ne17

unCpSFskqmQsgMSNK6BmxzKCustT2d6IhIn27M0s

□ **Deepak B. R.**, “China’s BRI unlikely to fail”, *Sunday Guardian*, 23 September, 2018.

https://www.sundayguardianlive.com/opinion/chinas-bri-unlikely-failchinas-bri-unlikelyfail?fbclid=IwAR1yG8UpOwelGy-sajPpUH0CxeSaYdkNdbT_soUFRscsbnBMUU7MV2UnMp0

□ **Deepak B. R.**, “Made in China 2025: Cause for a Cold War between China and the US?”, *Sunday Guardian*, 27 October, 2018. <https://www.sundayguardianlive.com/opinion/made-china-2025-cause-cold-war-chinaus?fbclid=IwAR1Steui4ngGGBqru-V62RLEaIPPxM13iQiwGP2NYJiJyNdBpfv22ZXTWbY>

□ **Deepak B. R.**, “Watch out for Kyaukpyu port and China-Myanmar Economic Corridor”, *Sunday Guardian*, 24 November, 2018. <https://www.sundayguardianlive.com/opinion/watch-kyaukpyu-port-china-myanmareconomic>

corridor?fbclid=IwAR20Kx13dMaC0SRRS18lg36LxC25wTpttD2QM4uLW_PsRUcIC8v4kw7LEA

□ **Deepak B. R.**, “US-China Economic War gets colder”, *Sunday Guardian*, 15 December, 2018.

https://www.sundayguardianlive.com/opinion/us-china-economic-war-etscolder?fbclid=IwAR0baRPEUtv6YO2dCoyfwk_9cGTk1flrxpMC9flhKqpVWfZC1nI4FDmVr8

□ **Deepak B. R.**, “Resolution of thorny issues must accompany India-China people to people dialogue”, *Sunday Guardian*, 29 December, 2018. <https://www.sundayguardianlive.com/opinion/resolution-thorny-issues-mustaccompany-india-china-people>

peopledialogue?fbclid=IwAR3hmJRmlgiNEkPaKnMcfQCW89naiJ8w2bF6

MB3u6ISCPXxL52O5nbM8IA4

□ **Deepak B. R.**, “China reformed, 40 years later”, *Sunday Guardian*, 12 January, 2019.

https://www.sundayguardianlive.com/opinion/china-reformed-40-years-later?fbclid=IwAR1N93uKMBK6-kG7u3ru2MdFr_RLo6ha7jZKxY3LESrScQiBDYFAM7Ki9QU

□ **Deepak B. R.**, “An attempt to Understand China”, *Sunday Guardian*, 16 February, 2019.

<https://www.sundayguardianlive.com/opinion/attempt-understandchina?fbclid=IwAR0jjFEkMMRvyoolM4vZv9P27i-cjaBUMVcQ9pL0trYRihxmZV7j7HkPBTU>

□ **Deepak B. R.**, “India source of tension, Pak victim: Chinese media”, *Sunday Guardian*, 3 March, 2019.

https://www.sundayguardianlive.com/news/india-source-tension-pak-victim-chinesemedia?fbclid=IwAR0BpapyNXP26Sq1n0IQjtUT5AA-ZaGpGWbwwg7dZAZxOFySVbfy_XYaLU

Centre for Korean Studies: (03)

322

□ **Raj Rahul**, 라훌라즈 (Rahul Raj) [발언대] 韓·인도, 전략적파트너로경제협력확대해야Chosun Ilbo, 19 July, 2018, http://news.chosun.com/site/data/html_dir/2018/07/18/2018071803744.html

□ **Raj Rahul**, 라훌라즈 (Rahul Raj) 관광산업을통한한국-인도관계의다양화Hankook Ilbo, 20 December, 2018, <http://www.hankookilbo.com/News/Read/201812191082353434>

□ **Raj Rahul**, 라훌라즈 (Rahul Raj) [기고] 한국도인도개발되어들어야_n_IØDonga Ilbo, 26 March, 2019, <http://news.donga.com/IssueSerial/3/70040100000012/20190326/94729988/1>

Centre for English Studies: (03)

□ **Singh, Dhananjay**, “Art of a Partisan,” *Indian Express*, 20 November, 2018

□ **Singh, Dhananjay**, “Why JNU needs to adopt multiple-choice questions format for Entrance exam,” *Times of India Blogs* <https://timesofindia.indiatimes.com/blogs/voices/why-jnu-needs-to-adopt-multiple-choice-question-s-formatfor-entrance-exam>. 4 March, 2019.

□ **Singh, Dhananjay**, “Idea of a liberal university,” *The Pioneer*, 7 July, 2018. **323**

School of Life Sciences

Journals/Research Articles: (98)

□ Singh SS, Naiyer S, Bharadwaj R, Kumar A, Singh YP, Ray AK, Subbarao N, **Bhattacharya A**, Bhattacharya S. Stress-induced nuclear depletion of *Entamoeba histolytica* 3'-5' exoribonuclease EhRrp6

and its role in growth and erythrophagocytosis. *J Biol Chem.*, 19 October, 2018; 293(42):16242-16260. doi:10.1074/jbc.RA118.004632.

□ Babuta M, Kumar S, Gourinath S, Bhattacharya S, **Bhattacharya A.**, Calcium-binding protein EhCaBP3 is recruited to the phagocytic complex of *Entamoeba histolytica* by interacting with Arp2/3 complex subunit 2. *Cell Microbiol*, December, 2018; 20(12):e12942. doi: 10.1111/cmi.12942. Epub 2018 Sep 7. PubMed PMID: 30133964.

□ Bharadwaj R, Sharma S; Janhawi, Arya R, Bhattacharya S, **Bhattacharya A.**, EhRho1 regulates phagocytosis by modulating actin dynamics through EhFormin1 and EhProfilin1 in *Entamoeba histolytica*. *Cell Microbiol*, September, 2018; 20(9):e12851. doi:10.1111/cmi.12851. Epub 2018 May 7. PubMed PMID: 29663616.

□ Iyer LR, Verma AK, Paul J, **Bhattacharya A.**, Phagocytosis of Gut Bacteria by *Entamoeba histolytica*. *Front Cell Infect Microbiol*, 26 February, 2019; 9:34. doi:10.3389/fcimb.2019.00034. eCollection 2019. PubMed PMID: 30863724; PubMed Central PMCID: PMC6399400.

□ Gautam G, Ali MS, **Bhattacharya A.**, Gourinath S., EhFP10: A FYVE family GEF interacts with myosin IB to regulate cytoskeletal dynamics during endocytosis in *Entamoeba histolytica*. *PLoS Pathog.*, 19 February, 2019; 15(2):e1007573. doi:10.1371/journal.ppat.1007573. eCollection 2019 Feb. PubMed PMID: 30779788.

□ Amar, M. and **Mallick, B.N.**, Mechanism of noradrenaline-induced α 1-adrenoceptor mediated regulation of Na-K ATPase subunit expression in Neuro-2a cells, *Brain Res. Bull.*, 139 (2018) 157-166. doi: 10.1016/j.brainresbull. 2018.02.017

□ Mehta, R., Khan, S., and **Mallick, B. N.**, Relevance of deprivation studies in understanding rapid eye movement sleep, *Nature and Science of Sleep*, 10 (2018) 143-158.

□ Singh, A., Das, G., Kaur, M., and **Mallick, B. N.**, Noradrenaline acting on alpha1 adrenoceptor as well as by chelating iron reduces oxidative burden on the brain : implications with rapid eye movement sleep, *Front. Mol. Neurosci.*, 2019. <https://doi.org/10.3389/fnmol.2019.00007>.

□ Soni S, Jain BP, Gupta R, Dharavath S, Kar K, Komath SS, **Goswami S. K.**, Biophysical Characterization of SG2NA Variants and their Interaction with DJ-1 and Calmodulin in vitro, *Cell Biochem Biophys*, December, 2018; 76(4): 451-461.

□ Saleem N, Prasad A, **Goswami S.K.**, Apocynin prevents isoproterenol-induced cardiac hypertrophy in rat. *Mol Cell Biochem*, August, 2018; 445(1-2):79-88.

□ Ahamad N., **Rath P.C.**, Expression of interferon regulatory factors (IRF-1 and IRF-2) during radiation-induced damage and regeneration of bone marrow by transplantation in mouse, *Molecular Biology Reports* 46 (1): 551-567, February, 2019 (Springer, international peer-reviewed) ISSN 0301-4851 (print) 1573-4978 (online), impact factor = 1.889, e-pub ahead of print 28 November, 2018

□ Srivastav, M. K., Agarwal, N., and **Natarajan, K.**, Multiple Evolutionarily Conserved Domains of Cap2 Are Required for Promoter Recruitment and Iron Homeostasis Gene Regulation. *mSphere*3, e00370-00318, August, 2018 □ Dahiya, R., and **Natarajan, K.**, Mutational Analysis of TAF6 Revealed the Essential Requirement of the Histonefold Domain and the HEAT Repeat Domain for Transcriptional Activation. *The FEBS Journal*285, 1491–1510, April, 2018

□ Rafia S and **Saran S.**, Data on the expression and purification of Sestrin protein from *Dictyostelium discoideum*. *Data in Brief* 23:103733, March, 2019

□ Pooja Bhadoriya, Mukul Jain, Geeta Kaicker, Bano Saidullah and **Shweta S.**, Deletion of Htt cause alterations in cAMP signaling and spatial patterning in *Dictyostelium discoideum*. *J of Cellular Physiology*, 234(10):18858-18871, March, 2019

□ Rafia S and **Saran S.**, Sestrin-like-protein from *Dictyostelium discoideum* induces autophagy under starvation stress. *Microbiological Research* 220: 61-71, March, 2019

324

□ Priyanka Sharma, Rishikesh Kumar and **Saran S.**, Overexpression of S-adenosylmethionine decarboxylase impacts polyamine homeostasis during development of *Dictyostelium discoideum*. *Int J of Dev Biol*, 62(9-10): 647-652, June, 2018

□ Neha Gupta and **Saran S.**, Deletion of *ei24*, a DNA-damage response gene abridged cell proliferation and aggregatesize in *Dictyostelium discoideum*. *Int J Dev Biol.*, 62(4-5): 273-283, April, 2018

□ Rakhee Lohia, Punita Jain, Mukul Jain, Pradeep Kumar Burma, Anju Shrivastava and **Saran S.**, Deletion of *Dictyostelium discoideum* Sir2A impairs cell proliferation and inhibits autophagy. *J of Biosciences*, 43(2) 351-364, June, 2018

□ Rakesh Kumar and **Saran S.**, Structure, molecular dynamics simulation and docking studies of *Dictyostelium discoideum* and human STRAPs. *J of Cellular Biochemistry*, 119(9): 7177-7191, September, 2018 □ Rakesh Kumar, Ranjana Maurya and **Saran S.**, Introducing a simple model system for binding studies of known and novel inhibitors of AMPK: atherapeutic target for prostate cancer.

Journal of Biomolecular Structure and Dynamics, 37(3):781-795 <https://doi.org/10.1080/07391102.2018.1441069>, February, 2019

- S Basu†, N K Kushwaha†, A K Singh†, P P Sahu, R Vinoth Kuma, **Chakraborty S.**, Dynamics of a geminivirus encoded pre-coat protein and host RNA-dependent RNA polymerase 1 in regulating symptom recovery in tobacco. *J. Exp. Bot.*, 2018, 69 (8), 2085-2102, 3 April, 2018
- Ruhel Rajrani, and **Chakraborty S.**, Multifunctional roles of geminivirus encoded replication initiator protein. *Virus Disease.*, 2019, 30 (1):66-73, 9 June, 2018
- Gnanasekaran Prabu, and **Chakraborty S.**, Biology of viral satellites and their role in pathogenesis. *Current opinion in Virology.*, 2018, 33: 96-105, 23 August, 2018
- Prakash Ved, & **Chakraborty S.**, Identification of transcription factor binding sites on promoter of RNA dependent RNA polymerases (RDRs) and interacting partners of RDR proteins through in silico analysis. *Physiol Mol Biol Pla*, 2019, (<https://doi.org/10.1007/s12298-019-00660-w>)1-17, 25 March, 2019
- R. Pasupureddy, S.Verma, A. Pant, R. Sharma, **Saxena A. K.**, R. Dixit, S. Seshadri, K. C Pandey, Crucial residues in falcipain that mediates hemoglobin hydrolysis. *Experimental Parasitology* 197:43-50, February, 2019
- Pant, R. Kumar, N.Ahmed Wani, S. Verma, R. Sharma, S. Sharma, V. Pande, **Saxena A. K.**, R. Dixit, R.K. Rai and K. C. Pandey, Allosteric Site Inhibitor Disrupting Auto-processing of Malarial Cysteine Proteases. *Nature Sci. Rep.* 8:16193, 1 November, 2018
- S. Srivastava, M. Kamthania, R. K. Pandey, **Saxena A. K.**, V. Saxena, S. K. Singh, R. K. Sharma, N. Sharma, Design of novel Multi-Epitope Vaccines against Severe Acute Respiratory Syndrome validated through multistage molecular interaction and dynamics *Journal of Biomolecular Structure & Dynamics*, DOI: 10.1080/ 07391102. 2018. 1548977, November, 2018
- S. Srivastava, M. Kamthania, **Saxena A. K.**, N. Sharma, *In-Silico* approach to develop a Multi-Epitope Vaccines against MERS Coronavirus satisfying human HLA, TAP and TLR-3 checkpoints. *Infection and Drug Resistance*, 2018: 2377–2391, November, 2018
- R. Sharma, S. P. Gangwar, **Saxena A. K.**, Comparative structure analysis of ETSi domain of ERG3 and its complex with E74 promoter DNA sequence. *Acta Crystallogr. Section F Biol. Crystallogr.* F74, 656-663, 3 August, 2018 □ K. Ahuja, M. A. Beg, R. Sharma, **Saxena A. K.**, N. Naqvi, N. Puri, A. Chaudhury, R. Duncan, P. Salotra, H. Nakhasi, A. Selvapandiyani, Importance of threshold expression of a novel trypanosome specific glycosomal protein for the growth of *Leishmania donovani* parasites. *BBA-Molecular Cell Research*, 1865(8):1148-1159, 21 May, 2018
- Vikas Kumar, Chandra Prakash, R.Singh and **Sharma D.**, Curcumin's antiepileptic effect, and alterations in Nav1.1 and Nav1.6 expression in iron-induced epilepsy. *Epilepsy Research*, 150; 7-16, (February, 2019)
- Tabasum S, **Singh R. P.**, Fisetin suppresses migration, invasion and stem-cell-like phenotype of human non-small cell lung carcinoma cells via attenuation of epithelial to mesenchymal transition. *Chem Biol Interact.* 303:14-21. doi: 10.1016/j.cbi. 20 February, 2019
- Tak J, Sabarwal A, Shyanti RK, **Singh R. P.**, Berberine enhances posttranslational protein stability of p21/cip1 in breast cancer cells via down-regulation of Akt. *Molecular and Cellular Biochemistry.* 1-11, 25 March, 2019
- Sabarwal A, Kumar K, **Singh R. P.**, Hazardous effects of chemical pesticides on human health-Cancer and other associated disorders. *Environmental Toxicology Pharmacology.* 63:103-114, 1 September, 2018
- Kumar K, Sabarwal A, **Singh R. P.**, Mancozeb selectively induces mitochondrial-mediated apoptosis in human gastric carcinoma cells through ROS generation. *Mitochondrion.* pii: S1567-7249(17)30321-5, 11 June, 2018 □ Chakraborty S, Kabekkodu SP, **Singh R. P.**, Thangaraj K, Singh KK, Satyamoorthy K. Mitochondria in health and disease. *Mitochondrion.* pii:S1567-7249(18)30144-2, 23 June, 2018
- 325**
- Prasad N, Sabarwal A, Yadav UCS, **Singh R. P.**, Lupeol induces S-phase arrest and mitochondria-mediated apoptosis in cervical cancer cells. *Journal of Biosciences*, 43(2):249-261, June, 2018
- Gautam JK and **Nandi A. K.**, APD1, the unique member of Arabidopsis AP2 family influences systemic acquired resistance and ethylene-jasmonic acid signaling. *Plant Physiol. Biochem.* 133:92-99, (December, 2018)
- Roy S, Gupta P, Rajabhoj MP, Maruthachalam R, **Nandi A. K.**, The polycomb-group repressor MEDEA attenuates pathogen defense. *Plant Physiology*, 177:1728-1742, (August 2018)
- Lakra N., Kaur C., Singla-Pareek SL, **Pareek A.**, Mapping the “Early salinity response”, triggered proteome adaptation in contrasting rice genotypes using iTRAQ approach, *Rice*, 12(1): 3, 30 January, 2019
- Bahuguna RN, Gupta P, Bagri J, Singh D, Dewi AK, Tao L, Islam M, Sarsu F, Singla-Pareek SL and **Pareek A.**, Forward and reverse genetics approaches for combined stress tolerance in rice, *Indian Journal of Plant Physiology*, Vol. 23, (4), pp 630–646, November, 2018
- Abdullah HM, Chhikara S, Akbari P, Schnell DJ, **Pareek A.**, and Dhankher OP., Comparative transcriptome and metabolome analysis suggest bottlenecks that limit seed and oil yields in transgenic

Camelina sativa expressing diacylglycerol acyltransferase 1 and glycerol-3-phosphate dehydrogenase. *Biotechnol Biofuels* 11:335, December, 2018

□ Gautam K, **Pareek A.**, Sharma DK and Tripathy JK., Growth and secretome analysis of synergistic interaction between green algae and cyanobacteria. *Journal of Bioscience and Bioengineering*, S1389-1723(18)30056-2, February, 2019

□ Roy S, Singh P, Singla-Pareek SL and **Pareek A.**, Cyclophilin. In: Encyclopedia of Signaling Molecules. Choi S (Ed.), Springer, New York. Pp. 1265-1275. (ISBN: 978-3-319-67198-7), March, 2019

□ Lakra N, Kaur C, Anwar K, Singla-Pareek SL and **Pareek A.**, Proteomics of contrasting rice genotypes: Identification of potential targets for raising crops for saline environment. *Plant Cell & Environment*, doi: 10.1111/pce.12946, IF: 6.2 NAAS: 11.41. ISSN 1365-3040, May, 2018

□ Joshi R, Sahoo KK, Tripathi AK, Kumar R, Gupta BK, **Pareek A.**, and Singla-Pareek SL., Knockdown of an inflorescence meristem-specific cytokinin oxidase - OsCKX2 in rice reduces yield penalty under salinity stress condition. *Plant Cell & Environment*, 41(5): 936-946, May, 2018

□ Gupta BK, Sahoo KK, Ghosh A, Tripathi AK, Anwar K, Das P, **Pareek A.**, Sopory SK and Singla-Pareek SL., Manipulation of glyoxalase pathway confers tolerance to multiple stresses in rice. *Plant Cell & Environment*, 41: 1186-1200, (2018)

□ Wasi M, Khandelwala NK, Vishwakarma P, Lynn AM, **Mondal A. K.**, and Prasad R. Inventory of ABC proteins and their putative role in salt and drug tolerance in *Debaryomyces hansenii*. *Gene*. 676, 227-242. doi: 10.1016/j.gene.2018.07.029, 15 November, 2018

□ Randhawa A, Kundu D, Sharma A, Prasad R and **Mondal A. K.**, Over-expression of the CORVET complex alleviates the fungicidal effects of fludioxonil on the yeast *Saccharomyces cerevisiae* expressing Hybrid histidine kinase 3. *J Biol Chem*. 294(2):461-475. doi: 10.1074/jbc.RA118.004736, 16 November, 2018

□ Khandelwal N, Wasi M, Nair R, Gupta M, Kumar M, **Mondal A. K.**, Gaur N., and Prasad R., Vacuolar sequestration of azoles: A novel strategy of azole antifungal resistance conserved across pathogenic and nonpathogenic yeast. *Antimicrobial Agents and Chemotherapy*. DOI: 10.1128/AAC.01347-18, 14 January, 2019

□ Prasad D, Verma N, Bakshi M, Narayan OP, Singh AK, Dua M, **Johri AK.**, Functional Characterization of a Magnesium Transporter of Root Endophytic Fungus *Piriformospora indica*. *Front Microbiol*, 9 January, 2019; 9:3231. doi: 10.3389/fmicb.2018.03231. eCollection

□ Jain P, Sethi SC, Pratyusha VA, Garai P, Naqvi N, Singh S, Pawar K, Puri N, **Komath SS***, Ras signaling activates glycosylphosphatidylinositol anchor biosynthesis via the GPI-N-acetylglucosaminyl transferase (GPI-GnT) in *Candida albicans*. *J Biol Chem.*, 293, 12222-12238. First Published April, 2018, doi: 10.1074/jbc.RA117.001225.

□ Yadav U, Rai T, Sethi SC, Chandraker A, Khan M, **Komath SS***, Characterizing N-acetylglucosaminyl phosphatidylinositol de-N-acetylase (CaGpi12), the enzyme that catalyzes the second step of GPI biosynthesis in *Candida albicans*. *FEMS Yeast Res.*, June, 2018; 18(7). doi: 10.1093/femsyr/foy067.

□ **Komath SS***, Singh SL, Pratyusha VA, Sah SK., Generating anchors only to lose them: The unusual story of glycosylphosphatidylinositol anchor biosynthesis and remodeling in yeast and fungi. *IUBMB Life*. 70(5):355-383. doi: 10.1002/iub.1734. Critical Review. First published: 20 April, 2018 <https://doi.org/10.1002/iub.1734>.

□ Soni S, Jain BP, Gupta R, Sudhakar D, Kar K, **Komath SS***, Goswami S.,* Biophysical Characterization of SG2NA Variants and their Interaction with DJ-1 and Calmodulin *in vitro*. *Cell Biochem. Biophys*, December, 2018; 76(4):451-461. doi: 10.1007/s12013-018-0854-5.

326

□ G Gautam, MS Ali, A Bhattacharya, **Gourinath S.**, EhFP10: A FYVE family GEF interacts with +myosin IB to regulate cytoskeletal dynamics during endocytosis in *Entamoeba histolytica*. *PLoS Pathogens*, 15 (2). E1007573, 19 February, 2019

□ P Kumari, M Babuta, A Bhattacharya, **Gourinath S.**, Structural and functional characterisation of phosphoserine phosphatase, that plays critical role in the oxidative stress response in the parasite *Entamoeba histolytica*. *J. Struct Biol*, 206(2): 254-266, 29 March, 2019

□ Uddipan Das, Ekta Singh, Sudhaker Dharavath, Udaya Kumar Tiruttani Subhramanyam, Ravi Kant Pal, R Vijayan, Saji Menon, Saroj Kumar, **Gourinath S.**, A Srinivasan, Structural insights into the substrate binding mechanism of novel ArgA from *Mycobacterium tuberculosis*. *International Journal of Biological Macromolecules*, 125, 970-978, 15 March, 2019

□ DP Sharma, R Vijayan, SAA Rehman, **Gourinath S.**, Structural insights into the interaction of helicase and primase in *Mycobacterium tuberculosis*. *Biochemical Journal*, 475 (21), 3493-3509, 15 November, 2018

□ M Babuta, S Kumar, **Gourinath S.**, S Bhattacharya, A Bhattacharya, Calcium-binding protein EhCaBP3 is recruited to the phagocytic complex of *Entamoeba histolytica* by interacting with Arp2/3 complex subunit 2. *Cellular microbiology*, 20 (12), e12942, 1 September, 2018

- S Chadha, R Vijayan, S Gupta, M Munde, **Gourinath S.**, R Madhubala, Genetic manipulation of *Leishmania donovani* threonyl tRNA synthetase facilitates its exploration as a potential therapeutic target. *PLoS neglected tropical diseases*, 12 (6), e0006575, 13 June, 2018
 - Chavan A.S., **Kharat Arun S.**, Bhosale M. R., and Mane R. A., Baker's yeast catalysed one-pot synthesis of bioactive 2-[benzylidene(or pyrazole-4-ylmethylene) hydrazono]1,3-thiazolidin-4-one-5-yl acetic acids, *Heterocycl, Commun*, 24(2):103-107, (2018)
 - Mahfuzz Nasser, Mahmoud Ogali and **Kharat Arun S.**, Prevalence of MDR *Pseudomonas aeruginosa* of war related wound and burn ward infections from some conflict areas of western Yemen, *Wound Medicine*, 20: 58-61, (2018)
 - Rohini Pungle, Aditya Tambe, Anil More and **Kharat Arun S.**, Anti-inflammatory and antioxidant potentiality of *Solanumxanthocarpum*. *Afr. J. Biotech.* 17(37): 1188-95. <https://doi.org/10.5897/AJB2018.16560>, (2018)
 - Parte S. G. and **Kharat Arun S.**, Aerobic degradation of clothianidin by *Pseudomonas stutzeri* produces 2-chloromethyl thiazol and methyl-3-(thiazol-yl) methyl guanidine. 3 March, 2019: 4807913. Doi:10.1155/2019/4807913
 - **Muthuswami, R.**, Bailey, L, Rakesh, R, Imbalzano, AN, Nickerson, JA, and Hockensmith, JW BRG1 is a prognostic indicator and a potential chemotherapeutic target for prostate cancer. *J. Cell. Physiol.*, 22 January, 2019, doi: 10.1002/jcp.28161
 - Sethy, R, Rakesh, R, Patne, K, Arya, V, Sharma, T, Haokip, DT, Kumari, R, and **Muthuswami, R.**, Regulation of ATM and ATR by SMARCAL1 and BRG1. *Biochim Biophys Acta Gene Regul Mech.*, December, 2018, 1861: 1076-1092
 - Bansal, R, Arya, V, Sethy, R, Rakesh, R, and **Muthuswami, R.**, Rec A-like domain 2 of Active DNA-dependent ATPase A Domain, a SWI2/SNF2 protein, mediates conformational integrity and ATP hydrolysis. *Biosci. Rep.* May, 2018, 38: pii: BSR20180568
 - Kant, D. & **Jha, S.K.**, The Dorsal Hippocampus Neuronal Lesion Does not Affect Theta Activity in the Cortical Network. *Sleep and Vigilance*, 30 March, 2019, Issue no.3, pp 25-31.
 - Kumar, R., Chauhan, A., **Jha, S.K.**, and Kuanr, B.K., Localized cancer treatment by radio-frequency hyperthermia using magnetic nanoparticles immobilized on graphene oxide: from novel synthesis to in vitro studies. *Journal of Materials Chemistry B*, September 2018, Issue 6, pp 5385-5399
 - Tripathi, S., Taneja, P. & **Jha, S.K.**, Training on an appetitive (delay)-conditioning task enhances oscillatory waves during sleep in the cortical and amygdalar network. *Frontiers in behavioral neuroscience*, November, 2018, issue 12, 260. doi: 10.3389/fnbeh.2018.00260.
 - Anand SK, **Mondal AC.**, TrkB receptor antagonism inhibits stab injury induced proliferative response in adult zebrafish (*Danio rerio*) brain. *Neurosci Lett.*, 13 April, 2018; 672: 28-33.
 - Ahmad MH, Fatima M, **Mondal AC***, Determination of potential oxidative damage, hepatotoxicity and cytogenotoxicity in male Wistar rats: Role of indomethacin. *J Biochem Mol Toxicol.*, December, 2018; 32(12):e22226
 - Srivastav S, Fatima M, **Mondal AC***, *Bacopa monnieri* attenuates paraquat induced toxicity in *Drosophila* by inhibiting apoptosis through redox stabilization and improved mitochondrial function. *Neurochem Int.*, December, 2018; 121: 98-107
 - Ahmad MH, Fatima M, **Mondal AC***, Evaluation of naproxen-induced oxidative stress, hepatotoxicity and *in-vivo* genotoxicity in male Wistar rats. *J Pharm Anal.*, December, 2018; 8(6):400-406
- 327**
- Ahmad MH, Fatima M, **Mondal AC***, Influence of microglia and astrocyte activation in the neuroinflammatory pathogenesis of Alzheimer's disease: Rational insights for the therapeutic approaches. *J Clin Neurosci.*, January, 2019; 59: 6-11
 - **Mondal AC***, Fatima M. Direct and indirect evidences of BDNF and NGF as key modulators in depression: Role of antidepressants treatment. *Int J Neurosci.*, March, 2019; 129(3):283-296
 - Ahmad MH, Fatima M, **Mondal AC***, Role of hypothalamic-pituitary-adrenal axis, hypothalamic-pituitary-gonadal axis and insulin resistance/signaling in the pathophysiology of Alzheimer's disease. *Neuropsychobiology*, 2019; 77(4):197-205
 - Fatima M, Srivastav S, **Mondal AC***, Effects of chronic unpredictable mild stress induced prenatal stress on neurodevelopment of neonates: Role of GSK-3 β . *Sci Rep.*, 4 February, 2019, 9:1305.
 - Darakshan Alim, Shabnam Sircaik and **Panwar Sneh Lata**, J Fungi (Basel), the Significance of Lipids to Biofilm Formation in *Candida Albicans*: An Emerging Perspective, 18 December, 2018; 4(4). pii: E140. doi: 10.3390/jof4040140. Review
 - Shrivash MK., Mishra S., **Panwar Sneh Lata**, Sircaik S., Pandey J., and Mishra K., Attenuation of Pathogenicity in *Candida Albicans* by application of Polyphenols, *J. of Microbial and Biochemical Technology*, 10:2, April, 2018
 - Anjaly K., & **Tiku A.B.**, Radio-Modulatory Potential of Caffeic Acid Phenethyl Ester: A Therapeutic Perspective, *Anti- Cancer Agents in Medicinal Chemistry*, 18 (4) 464 – 475, April, 2018

- Sharma P., and **Puri N.**, A new role for mast cells as scavengers for clearance of erythrocytes damaged due to oxidative stress, *Immunology Letters*, 199: 23-35 (<https://doi.org/10.1016/j.imlet.2018.04.002>), 4 April, 2018
- Ahuja K, Beg M.A., Sharma, R., Saxena A., Naqvi N., **Puri N.**, Rai P.K., Chaudhury A., Duncan R., Salotra P., Nakhasi H., and Selvapandiyan A., A novel signal sequence negative multimeric glycosomal protein required for cell cycle progression of *Leishmania donovani* parasites, *BBA Molecular Cell Research*, 1865(8): 1148-1159 (<https://doi.org/10.1016/j.bbamcr.2018.05.012>), 5 May, 2018
- Jain P., Sethi S.C., Pratyusha V.A., Garai P., Naqvi N., Singh S., Pawar K., **Puri N.**, and Komath S.S., Ras signaling activates glycosylphosphatidylinositol anchor biosynthesis via the GPI-N-acetylglucosaminyl transferase (GPI-GnT) in *Candida albicans*, *J. Biol. Chem.*, 293 (31): 12222-12238, 15 June, 2018
- Khurana, G.K., Vishwakarma P., **Puri N.**, and Lynn A.M., Phylogenetic Analysis of the vesicular fusion SNARE machinery revealing its functional divergence across Eukaryotes, *Bioinformatics*, 14(7):361-368, 31 July, 2018
- Sharma P., and **Puri N.**, Data confirming murine erythrocyte opsonization and oxidative damage and live microscopic analysis of oxidatively damaged erythrocyte uptake by mast cells, *Data in Brief*, 20: 1645-1652, 13 September, 2018
- Rizvi Z.A., **Puri N.**, and Saxena R.K., Evidence of CD1d pathway of lipid antigen presentation in mouse primary lung epithelial cells and its up-regulation upon *Mycobacterium bovis* BCG infection, *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0210116>, 31 December, 2018
- Sarpras, M., Ahmad, I., Rawoof, A. and **Ramchiary, N.**, Comparative analysis of developmental changes of fruit metabolites, antioxidant activities and mineral elements content in bhut jolokia and other capsicum species. *LWT*, 105, 363–370, March, 2019
- Dubey, M., Jaiswal, V., Rawoof, A., Kumar A., Nitin M., Chhapekar SS., Kumar N., Ahmad I., Islam K., Brahma V., and **Ramchiary N.**, Identification of genes involved in fruit development/ripening in capsicum and development of functional markers. *Genomics*. <https://doi.org/10.1016/j.ygeno.2019.01.002>, January, 2019
- Anand BG, Prajapati KP, Shekhawat DS, **Kar K.**, Tyrosine-Generated Nanostructures Initiate Amyloid Cross- Seeding in Proteins Leading to a Lethal Aggregation Trap. *Biochemistry*. 2018;57(35):5202-5209, 6 August, 2018
- Anand, B.G., Prajapati, K.P., **Kar, K.**, Aβ1-40 mediated aggregation of proteins and metabolites unveils the relevance of amyloid cross-seeding in amyloidogenesis. *Biochem Biophys Res Commun*. 18 June, 2018; 501(1):158- 164, Epub May 04, 2018
- Soni S, Jain BP, Gupta R, Dharavath S, **Kar K.**, Komath SS, Goswami SK. Biophysical Characterization of SG2NA Variants and their Interaction with DJ-1 and Calmodulin in vitro. *Cell Biochem Biophys*. December, 2018; 76(4):451-461. doi: 10.1007/s12013-018-0854-5, Epub 21 August, 2018
- Iyer GR, Singh S, Kaur I, Agarwal S, Siddiqui MA, **Bansal A.**, Kumar G, Saini E, Mohmmmed A, Chitnis CE and Malhotra P., Calcium-dependent phosphorylation of Plasmodium falciparum serine repeat antigen-5 triggers merozoite egress. *J Biol Chem.*, 293(25):9736-9746, 22 June, 2018
- Poostchi M, Ersoy I, McMenamin K, Gordon E, Palaniappan N, Pierce S, Maude RJ, **Bansal A.**, Srinivasan P, Miller L, Palaniappan K, Thoma G, Jaeger S., Malaria parasite detection and cell counting for human and mouse using thin blood smear microscopy. *J. Med. Imag.*, 5(4), 044506 doi: 10.1117/1.JMI.5.4.044506, 12 December, 2018
- 328**
- Manhas R, Tandon S, Sen SS, Tiwari N, Munde M, **Madhubala R.**, *Leishmania* parasites are inhibited by the benzoxaborole AN2690 targeting leucyl-tRNA synthetase *Antimicrob Agents Chemother*, 25 June, 2018. pii: AAC.00079-18. doi: 10.1128/AAC.00079-18
- Chadha S, Vijayan R, Gupta S, Munde M, Gourinath S, **Madhubala R.**, Genetic manipulation of *Leishmania donovani* threonyl tRNA synthetase facilitates its exploration as a potential therapeutic target. *PLoS Negl Trop Dis.* 13 June, 2018;12 (6):e0006575. doi: 10.1371/journal.pntd.0006575
- Books: (02)**
- **Sushil K. Jha**, Vibha M. Jha, Sleep, Memory and Synaptic Plasticity, ISBN#978-981-13-2813-8, Doi: 10: 1007/13- 2814-5, February, 2019
- **Ramchiary Nirala**, *The Capsicum Genome*, Kole, Chittaranjan (Eds.) DOI: 10.1007/978-3-319-97217-6, February, 2019.
- Chapter in Books: (17)**
- Priyanka Sharma, Punita Jain, Anju Shrivastava, and **Saran Shweta**, Can autophagy stop the clock: Unravelling the mystery in *Dictyostelium discoideum*. In: *Models, Molecules and Mechanisms in Biogerontology*, Springer, Ed P C Rath, 2018

- Sabarwal A, Kumar K, Shyanti R, **Singh R. P.**, Curcumin in cancer prevention. In: *Functional Food and Human Health* (Chapter 16), Springer Science, Pp.329 – 374, 2018
- Dheeraj A, Tailor, D, Singh SP, **Singh R.P.**, Anticancer attributes of Silibinin: Chemo- and radiosensitization of cancer. In: *Cancer Sensitizing Agents for Chemotherapy* (Chapter 10), Elsevier, Pp. 199 – 220, 2018
- Rajput M, Sharma L, Sabarwal A, **Singh R.P.**, The biology of ageing and cancer. In: *Models Molecules and Mechanisms in Biogerontology*. Eds. Rath, Pramod C., Springer Nature, 2018
- Kandhari K, Agrawal H, Sharma A, Yadav UCS, **Singh R.P.**, Flavonoids and cancer stem cells maintenance and growth. In *Functional Food and Human Health* (Chapter 26), Springer, Pp. 587 – 622, 2018
- Mishra A., **Singh R.P.**, Cosmeceutical uses of herbs in sunscreens, in *Sunscreens: Source, Formulations, Efficacy and Recommendations*, (Chaper 10) Nova Science Publishers, Pp. 297 – 308, 2018
- Gupta P, Yadav C, Singla-Pareek SL and **Pareek A.**, Recent advancements in developing salinity tolerant rice. In: Hasanuzzaman, M., Fujita, M., Biswas, J.K., Nahar, K. (Eds.). *Advances in Rice Research for Abiotic Stress Tolerance*. Elsevier/Academic Press. Pp. 87-112, January, 2019
- A., Jogawat, Bisht, D., Nidhi Verma, Dua, M., and **Johri Atul K.**, The Root Endomutualist *Piriformospora indica*: A promising bio-tool for improving crops under salinity stress. In: *Molecular Plant Abiotic Stress: Biology and Biotechnology*, First Edition., Edited by A. Roychoudhury and D. K. Tripathi. John Wiley & Sons Ltd., 2019 by John Wiley & Sons Ltd., 2019
- Mir, F.A., **Jha, S.K.**, and Jha, V.M., The Role of Sleep in Homeostatic Regulation of Ionic Balances and Its Implication in Cognitive Functions Sleep, Memory and Synaptic Plasticity. Springer, Singapore, pp. 77-106, February, 2019
- Qureshi, M.F., Kant, D. and **Jha, S.K.**, The Distinctive Role of NREM and REM Sleep in the Consolidation of Fear Memory Sleep, Memory and Synaptic Plasticity. Springer, Singapore, pp. 199-226, February, 2019
- Tripathi, S. and **Jha, S.K.**, Sleep and Appetitive Conditioned Memory Sleep, Memory and Synaptic Plasticity, Springer, Singapore, pp. 227-254, February, 2019
- Chhapekar S.S., Jaiswal V., Ahmad I., Gaur R., **Ramchiary N.**, Progress and Prospects in *Capsicum* Breeding for Biotic and Abiotic Stresses. In: Vats S. (eds) *Biotic and Abiotic Stress Tolerance in Plants*. Springer, Singapore, Pp. 279 – 322, July, 2018
- Jaiswal V., Gahlaut V., Dubey M., **Ramchiary N.**, Genes/Quantitative Trait Loci and Associated Molecular Mechanisms Identified in *Capsicum* Genome for Tolerance to Abiotic and Biotic Stresses. In: Ramchiary N., Kole C. (eds), *The Capsicum Genome. Compendium of Plant Genomes*. Springer, Cham, Pp. 121 – 138, February, 2019
- Ahmad I., Nitin M., Rawoof A., Dubey M., **Ramchiary N.**, Noncoding RNAs in *Capsicum* Genome. In: Ramchiary N., Kole C. (eds) *The Capsicum Genome. Compendium of Plant Genomes*. Springer, Cham, Pp. 173 – 186, February, 2019
- Rawoof A., Ahmad I., **Ramchiary N.**, Epigenome Landscape in *Capsicum* Genome. In: Ramchiary N., Kole C. (eds), *The Capsicum Genome. Compendium of Plant Genomes*. Springer, Cham, Pp. 187 – 199, February, 2019
- Kumar N., Islam K., **Ramchiary N.**, Sequencing of *Capsicum* Organellar Genomes. In: Ramchiary N., Kole C. (eds), *The Capsicum Genome. Compendium of Plant Genomes*. Springer, Cham, Pp. 153 – 172, February, 2019

329

- Wetzal, R., Chemuru, S., Misra, P., Kodali, R., Mukherjee, S. and **Kar K.**, An aggregate weight normalized thioflavin-T measurement scale for characterizing polymorphic amyloids and assembly intermediates. *Methods Mol Biol*. 2018; 1777:121-144., May, 2018

School of Physical Sciences

Journal/Research Articles: (97)

- **Bhave, A.**, Bora, L., On the Selmer group of certain p-adic Lie extension, *Bulletin of Australian Mathematical Society*, February, 2019, doi:10.1017/S0004972719000108
- Sukumaran, A., Das, K., Rawat, K., **Bohidar, H. B.**, Universal validity of Einstein relation and size-dependent viscosity and surface-active characteristics of nanofluids, *International Journal of Nanoscience*, 17 (6), art. no. 1850006, (2018)
- Pujala, R.K., Schneijdenberg, C. T. W. M., Van Blaaderen, A., **Bohidar, H. B.**, In-situ Observation of Hierarchical Self-Assembly Driven by Bicontinuous Gelation in Mixed Nanodisc Dispersions, *Scientific Reports*, 8 (1), art. no. 5589, (2018)
- Mir, I. A., Radhakrishnan, V. S., Rawat, K., Prasad, T., **Bohidar, H. B.**, Bandgap tunable AgInS based quantum dots for high contrast cell imaging with enhanced photodynamic and antifungal applications, *Scientific Reports*, 8 (1), art. no. 9322, (2018)
- Nag, J., Rawat, K., Asokan, K., Kanjilal, D., **Bohidar, H. B.**, Zener diode behavior of nitrogen-doped grapheme quantum dots, "Physica E: Low-Dimensional Systems and Nanostructures", 104, pp. 36-41, (2018)
- Mir, I. A., Alam, H., Priyadarshini, E., Meena, R., Rawat, K., Rajamani, P., Rizvi, M.S., **Bohidar, H. B.**, Antimicrobial and biocompatibility of highly fluorescent ZnSe core and ZnSe@ZnS core-shell quantum dots, *Journal of Nanoparticle Research*, 20 (7), art. no. 174, (2018)
- Das, K., Ahmedmir, I., Ranjan, R., **Bohidar, H. B.**, Size-dependent magnetic properties of cubic-phase MnSenanospheres emitting blue-violet fluorescence, *Materials Research Express*, 5 (5), art. no. 056106, (2018)
- Sarkar, T., **Bohidar, H. B.**, Solanki, P. R., Carbon dots-modified chitosan based electrochemical biosensing platform for detection of vitamin D, *International Journal of Biological Macromolecules*, 109, pp. 687-697, (2018)
- Priyadarshini, E., Rawat, K., Prasad, T., **Bohidar, H. B.**, Antifungal efficacy of Au@ carbon dots nanoconjugates against opportunistic fungal pathogen, *Candida albicans*, *Colloids and Surfaces B: Biointerfaces*, 163, pp. 355-361, (2018)
- Pandey, P.K., Rawat, K., Aswal, V. K., Kohlbrecher, J., **Bohidar, H. B.**, Imidazolium based ionic liquid induced DNA gelation at remarkably low concentration, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 538, pp. 184-191, (2018)
- Singh, U. K., Kumari, M., Khan, S. H., **Bohidar, H. B.**, Patel, R., Mechanism and Dynamics of Long-Term Stability of Cytochrome-c Conferred by Long-Chain Imidazolium Ionic Liquids at Low Concentration, *ACS Sustainable Chemistry and Engineering*, 6 (1), pp. 803-815, (2018)
- Joshi, N., Rawat, K., **Bohidar, H. B.**, pH and ionic strength induced complex coacervation of Pectin and Gelatin A, *Food Hydrocolloids*, 74, pp. 132-138, (2018)
- Kaushik, P., Rawat, K., Aswal, V. K., Kohlbrecher, J., **Bohidar, H. B.**, Mixing ratio dependent complex coacervation: Versus bicontinuous gelation of pectin with in situ formed zein nanoparticles, *Soft Matter*, 14 (31), pp. 6463-6475, (2018)
- Mir, I. A., Das, K., Akhter, T., Ranjan, R., Patel, R., **Bohidar, H. B.**, Eco-friendly synthesis of CuInS and CuInS@ZnS quantum dots and their effect on enzyme activity of lysozyme, *RSC Advances*, 8 (53), pp. 30589- 30599, (2018)
- Shrivastava, A., Negi, L., **Das, D.**, Area negative thermal expansion in a mixed metal mixed organic MOF: "elevator-platform", mechanism induced by O-H...O hydrogen bonding. *Cryst Eng Comm.*, 20: 4719 – 4723, 2018
- Negi, L., Shrivastava, A., **Das, D.**, Switching from positive to negative axial thermal expansion in two organic crystalline compounds with similar packing. *Chem. Commun.*, 54: 10675 – 10678, 2018
- **Das, D.**, Barbour, L. J., Uniaxial negative thermal expansion induced by moiety twisting in an organic crystal. *Cryst Eng Comm.*, 20: 5123 – 5126, 2018

330

- Dwivedi, B., Shrivastava, A., Negi, L., **Das, D.**, Colossal Positive and Negative Axial Thermal Expansion Induced by Scissor-like Motion of 2D Hydrogen Bonded Network in an Organic Salt. *Cryst. Growth Des.*, ASAP, DOI: 10.1021/acs.cgd.9b00145, 2019
- Dwivedi, B., **Das, D.**, Polymorphism in some new bis-hydrazone compounds, *Acta Cryst.*, C74: 1656–1666, 2018
- Singh, K., Bera, T., Jaiswal, V., Biswas, S., Mondal, B., **Das, D.**, Saha, J., Lewis Acid Catalyzed Nucleophilic Ring Opening and 1,3-Bisfunctionalization of Donor–Acceptor Cyclopropanes with

- Hydroperoxides: Access to Highly Functionalized Peroxy/(α -Heteroatom Substituted) Peroxy Compounds. *J. Org. Chem.*, 84:710-725, 2019
- Bidhoodi, N., **Das, S. P.**, Scaling behavior of the self-diffusion coefficients: dependence on the mass ratio of a binary mixture, *Phys. Rev. E*, 98, 032126 (2018)
 - **Ghosh, S.**, Bhattacharya, G., Roy, J., Pritam, A., Banerjee, D., Deshmukh, S., Roy, S., Effective utilization of waste red mud for high performance supercapacitor electrodes”, *Global Challenges*, 3, 1800066, 2018
 - **Ghosh, S.**, Singh, B., Sharma, A., “Current transport mechanism in ZnO and metal phthalocyanine based inorganic/organic hybrid p–n junction diodes”, *J. Electron. Mater.*, 47, 9 (2018)
 - **Ghosh, S.**, Ali, N., Singh, B., Khan, Z. A., Vijaya, A. R., Tarafder, K., “Origin of ferromagnetism in Cu-doped ZnO” *Scientific Reports* 9, 2461 (2019)
 - **Ghosh, S.**, Bhardwaj, S. K., Chauhan, R., Yadav, P., Mahapatro, A. K., Singh, J., Basu, T., “Bi-enzyme functionalized electro-chemically reduced transparent graphene oxide platform for triglyceride detection”, *Biomaterials Science*, 7, 1598- 1606 (2019)
 - **Ghoshal, D.**, Dutta, P., Lala, A., “Enhanced symmetry of the p-adic wavelets”, *Phys. Lett. B* 783, pp 421-427, (2018)
 - **Gupta, V. P.**, Mishra, M. M., on the topology of certain matrix groups. *The Mathematics Student*, 87(3-4), July- December 2018, 61 – 71.
 - Faye, J. P. L., Kiselev, M. N., Ram, P., **Kumar, B.**, Sénéchal, D., “Phase diagram of the Hubbard-Kondo lattice model from the variational cluster approximation”, *Phys. Rev. B* 97, 235151 (2018)
 - Kumar, A., Chaudhary, S., Meher, E. Abhinav, **Mahato, R. N.**, Impact of crystal stacking sequence on electrical transport and dielectric properties of the nanocrystalline BaCo_{0.9}Mn_{0.1}O_{3- δ} , *J. Alloys Compd.* 786, 356-367, (2019)
 - Meenakshi, Rawat, K., Kumar, A., **Mahato, R. N.**, Effect of Structural Transition on Magnetic Properties of Fe-Doped Nanocrystalline La_{0.7}Te_{0.3}Mn_{1-x}FexO₃ (x=0.2, 0.4 and 0.5), *J. Nanosci. Nanotechnol.* 19, 4387-4395, (2019)
 - Kumar, A., **Mahato, R. N.**, Impact of the Sr doping on structural and magnetic properties of nanocrystalline Ba_{1-x}Sr_xCo_{0.9}Mn_{0.1}O_{3- δ} (0 ≤ x ≤ 0.5), *J. Magn. Magn. Mater.* 476, 59, (2019)
 - Bhatti, I. N., **Mahato, R. N.**, Bhatti, I. N., Ahsan, M. A. H., Critical behavior and magnetocaloric effect in ferromagnetic nanocrystalline Pr₂CoMnO₆, *Physica B: Condensed Matter*, 558, 59-64, (2019)
 - Kumar, A., Meenakshi, **Mahato, R. N.**, Structural, magnetic and electrical transport properties of nanocrystalline SrCo_{0.5}Mn_{0.5}O_{3- δ} , *IEEE Trans. Magn.* 54, No. 7, 2900306, (2018)
 - Masud, M., Bishai, M., **Mehta, P.**, “Extricating new physics scenarios at DUNE with higher energy beams”, *Scientific Reports* 9, 352 (2019)
 - Rout, J., Masud, M., **Mehta, P.**, “Impact of new physics on CP-Asymmetries at Long Baselines”, *Springer Proc. Phys.*, 203, 795-797 (2018)
 - Wadhawan, D., Roychowdhury, K., **Mehta, P.**, Das, S., “Multielectron geometric phase in intensity interferometry”, *Phys. Rev. B* 98, 155113 (2018)
 - **Mohanty, T.**, Shakya, J., Kumar, S., The role of oxygen adsorption in modification of optical and surface electronic properties of MoS₂, *Journal of Applied Physics*, 123:165103, (2018)
 - **Mohanty, T.**, Mishra, M., Alwarappan, S., Kanjilal, D., The effect of low energy nitrogen ion implantation on graphene nanosheets, *Electronic Materials Letters*, 14: 488-498, (2018)
 - **Mohanty, T.**, Shakya, J., Analysis of Surface Potential of Copper-Modified Reduced Graphene Oxide Using Scanning Kelvin Probe Microscopy, *Advanced Science, Engineering and Medicine*, 10: 778-781, (2018)
 - **Mohanty, T.**, Kumar, A., Singh, R. P., Taneja, A., Tunable optical nonlinearity of Au-TiO₂ nanocomposites, *Photonics and Nanostructures-Fundamentals and Applications*, 33:1-9 (2019).
 - **Mohanty, T.**, Kumar, A., Singh, R. P., Taneja, A., Interaction of Laser Beam with Plasmonic Nanoparticles, *Frontiers in Optics*, OSA Publishing, JW4A. 53, ISBN:978-1-943580-46-0.(2018)
 - Kumar, Y., Kumar, S., Bansal, D., **Mukhopadhyay, P.**, Synthesis and Isolation of a Stable Perylenediimide Radical Anion and Its Exceptionally Electron-Deficient Precursor”, *Org. Lett.*, 21, 2185, (2019)
- 331**
- Kumar, S., Malik, V., Shukla, J., Kumar, Y., Bansal, D., Chatterjee, R., **Mukhopadhyay, P.**, Ionic Assembly, Anion- π , Magnetic and Electronic Attributes of Ambient Stable, Naphthalenediimide Radical Ions, *Chem. Eur. J.* , 25, 4740.(2019)
 - Bansal, D., Kumar, Y., Kumar, S., Mandal, K., Hundal, G., **Mukhopadhyay, P.**, Core-insertion of palladium in naphthalenediimides: Opto-electronic properties, structural insights and coupling studies, *Inorg. Chim. Acta* , 486, 185. (Invited Article: Special Issue). (2019)
 - Gurung, S., Dana, S., Mandal, K., **Mukhopadhyay, P.**, Mondal, N., Downregulation of c-Myc and p21 expression and induction of S phase arrest by naphthalene diimide derivative in gastric adenocarcinoma cells, *Chemicobiological interactions*, 304, 106.(2019)

- Kumar, Y., Kumar, S., Mandal, K., **Mukhopadhyay, P.**, Isolation of Tetracyano- Naphthalenediimide and Its Stable Planar Radical Anion, *Angew. Chem. Int. Ed.*, 57, 16318. Hot Paper and Cover Article.(2018)
- Shukla, J., Ajayakumar, M. R., **Mukhopadhyay, P.**, Buchwald-Hartwig Coupling at the Naphthalenediimide Core: Access to Dendritic, Panchromatic NIR Absorbers with Exceptionally Low Band Gap, *Org. Lett.*, 20, 7864.(2018)
- Kumar, S., Shukla, J., Kumar, Y., **Mukhopadhyay, P.**, Electron-poor arylenediimides, *Org. Chem. Front*, 5, 2254. (Invited Review).(2018)
- Jassal, A. K., Sran, B. S., Mandal, K., **Mukhopadhyay, P.**, Hundal, G., Role reversal of the Role Reversal of the Carboxylate Group from Coordination to Hydrogen Bonding Only, in Structurally Diverse Metal-2-amino, 5-Nitrobenzoates: A First Report. *Cryst. Growth Des.*, 18, 4737.(2018)
- Gupta, S, Tiwari N., **Munde, M.**, A Comprehensive Biophysical Analysis of the Effect of DNA binding Drugs on Protamine-induced DNA Condensation Scientific Reports, 2019. (In press)
- Manhas, R., Tandon, S, Sen, S., Tiwari, N., **Munde, M.**, Madhubala R., Leishmania parasites are inhibited by the benzoxaborole AN2690 targeting leucyl-tRNA synthetase *Antimicrobial Agents and Chemotherapy* 2018, 2, e00079- 18.
- Chadha, S., Vijayan, R., Gupta, S., **Munde, M.**, Gourinath, S., Madhubala, R., Genetic Manipulation of Leishmania donovani Threonyl tRNA Synthetase Facilitates its Exploration as a Potential Therapeutic Target" *PLOS Neglected Tropical Diseases* 2018, 12, e0006575.
- Tiwari, N., Tanwar, N., **Munde, M.**, Molecular insights into trypanothione reductase-inhibitor interaction: A structure-based review. *Arch Pharm.* , 351 (6), 1700373.(2018)
- Tanwar, N., **Munde, M.**, Thermodynamic and conformational analysis of the interaction between antibody binding proteins and IgG. *Int J Biol Macromol.* 112:1084-1092.(2018)
- Chandra, G., **Murty, S. S. N.**, Dielectric and thermodynamic study of camphor and borneol enantiomers and their binary systems, *Thermochimica Acta*, 666, 241-252 (+suppl. file), 2018.
- **Pandey, A.**, Kumar, A., **Puri, S.**, Finite-Range Coulomb Gas Models of Banded Random Matrices and Quantum Kicked Rotors, *Phys. Rev. E* 96, 052211, 2017.
- Baier, S., **Patankar, V. M.**, Applications of the square sieve to a conjecture of Lang and Trotter for a pair of elliptic curves over the rationals, In: Akbary, A., Gun, S. (eds.) *Geometry, Algebra, Number Theory and Thwier Information Technology Applications. GANITA 2016*. Springer Proceedings in Mathematics and Statistics, Springer, *Cham*, Vol. 251, pp. 39-57, September, 2018.
- Chaudhary, S., Srivastava, P., Kaushik, S. D., Siruguri, V., **Patnaik, S.**, Nature of magnetoelectric coupling in corundum antiferromagnet Co4Ta2O9, *Journal of Magnetism and Magnetic Materials*, 475, pp. 508-513, 2019.
- Sirohi, A., Saha, S., Neha, P., Das, S., **Patnaik, S.**, Das, T., Sheet, G. Multiband superconductivity in Mo8Ga41 driven by a site-selective mechanism, *Physical Review B*, 99 (5), art. no. 054503, 2019.
- Sultana, R., Gurjar, G., **Patnaik, S.**, Awana, V. P. S., Growth, Characterization and High-Field Magneto- Conductivity of Co 0.1 Bi 2 Se 3 Topological Insulator *Journal of Superconductivity and Novel Magnetism*, 2019.
- Neha, P., Sivaprakash, P., Ishigaki, K., Kalaiselvan, G., Manikandan, K., Dhaka, R.S., Uwatoko, Y., Arumugam, **S.**, **Patnaik, S.**, Nuanced superconductivity in endohedral gallide Mo 8 Ga 41 *Materials Research Express*, 6 (1), art. no. 016002, 2019.
- Sudesh, Kumar, P., Neha, P., Das, T., **Patnaik, S.**, Erratum to: Evidence for trivial Berry phase and absence of chiral anomaly in semimetal NbP (Scientific Reports, (2017), 7, 1, (46062), 10.1038/srep46062) *Scientific Reports*, 8 (1), art. no. 15261, 2018.
- Neha, P., Bhardwaj, A., Sahu, V., **Patnaik, S.**, Facile synthesis of potassium intercalated p-terphenyl and signatures of a possible high Tc phase *Physica C: Superconductivity and its Applications*, 554, pp. 1-7, 2018.
- Sultana, R., Gurjar, G., **Patnaik, S.**, Awana, V. P. S., High-Field Magneto-Conductivity Analysis of Bi2Se3 Single Crystal *Journal of Superconductivity and Novel Magnetism*, 31 (10), pp. 3075-3078, 2018. **332**
- Sirohi, A., Das, S., Neha, P., Jat, K. S., **Patnaik, S.**, Sheet, G., Low-energy excitations and non-BCS superconductivity in Nbx-Bi2Se3 *Physical Review B*, 98 (9), art. no. 094523, 2018.
- Kamboj, S., Das, S., Sirohi, A., Roy Chowdhury, R., Gayen, S., Maurya, V.K., **Patnaik, S.**, Sheet, G., Suppression of transport spin-polarization of surface states with emergence of ferromagnetism in Mn-doped Bi2Se3 *Journal of Physics Condensed Matter*, 30 (35), art. no. 355001, 2018.
- Sultana, R., Gurjar, G., Neha, P., **Patnaik, S.**, Awana, V. P. S., Hikami-Larkin-Nagaoka (HLN) Treatment of the Magneto-Conductivity of Bi2Te3 Topological Insulator *Journal of Superconductivity and Novel Magnetism*, 31 (8), pp. 2287-2290, 2018.
- Maurya, V. K., Dong, C. L., Chen, C. L., Asokan, K., **Patnaik, S.**, High spin state driven magnetism and

- thermoelectricity in Mn doped topological insulator Bi₂Se₃, *Journal of Magnetism and Magnetic Materials*, 456, pp. 1-5, 2018.
- Gupta, R., Bhatti, I. N., **Pramanik, A. K.**, Critical behavior in itinerant ferromagnet SrRu_{1-x}Ti_xO₃, *J. Magn. Mater.*, 465:193, 2018.
 - Kharkwal, K. C., Chaurasia, R., **Pramanik, A. K.**, Unusual exchange bias in Sr₂Fe_{1-x}O₆/La_{0.67}Sr_{0.33}MnO₃ multilayer, *J. Phys. Condensed Matter*, 31:13L202, 2019.
 - Chaurasia, R., Kharkwal, K. C., **Pramanik, A. K.**, Interface induced Exchange bias effect in La_{0.67}Sr_{0.33}MnO₃/SrIrO₃ multilayer, *Phys. Lett. A*, 383:1642, 2019.
 - Bhatti, I. N., **Pramanik, A. K.**, Insight into the magnetic behavior of Sr₂IrO₄: A spontaneous Magnetization study, *Phys. Lett. A*, 383:1806, 2019.
 - Kumar, H., **Pramanik, A. K.**, Spin Phonon coupling in hole doped Pyrochlore iridates Y₂(Ir_{1-x}Ru_x)₂O₇: A Raman Scattering study, *J. Magn. Mater.*, 478:148, 2019.
 - Das, R., Mishra, S., **Puri, S.**, Ordering Dynamics of Self-Propelled Particles in an Inhomogeneous Medium, *Europhys. Lett.* 121, 37002, 2018.
 - Kumar, M., Kumar, R., Weigel, M., Banerjee, V., Janke, W., **Puri, S.**, Approximate Ground States of the Randomfield Potts Model from Graph Cuts, *Phys. Rev. E* 97, 053307, 2018.
 - Bupathy, A., Banerjee, V., **Puri, S.**, Disordered Dipolar Solids: Anisotropic Growth Laws and their Slowing Down, *Europhys. Lett.* 122, 36002, 2018.
 - Bar, T., Choudhary, S. K., Ashraf, M. A., Sujith, K. S., **Puri, S.**, Raj, S., Bansal, B., Kinetic Spinodal Instabilities in the Mott Transition in V₅O₁₅: Evidence from Hysteresis Scaling and Dissipative Phase Ordering, *Phys. Rev. Lett.* 121, 045701, 2018.
 - Chatterjee, S., **Puri, S.**, Paul, R., Ordering Kinetics in the q-state Clock Model: Scaling Properties and Growth Laws, *Phys. Rev. E* 98, 032109, 2018.
 - Corberi, F., Kumar, M., Lippiello, E., **Puri, S.**, Effects of Frustration on Fluctuation-dissipation Relations, *Phys. Rev. E* 99, 012131, 2019.
 - Tripathi, A., Kumar, D., **Puri, S.**, Coarsening Dynamics in the Swift-Hohenberg Equation with an External Field, *Phys. Rev. E* 99, 022136, 2019.
 - Singh, P. K., Verma, F., Bhardiya, S. R., Singh M., Rai V. K., **Rai, A.**, A facile Iodine Promoted Enals-based cisselective construction of aziridine-2-aldehyde in water. *Chemistry Select*, 4, 1240-1243, 2019.
 - Verma F., Shukla, P., Bhardiya, S. R., Singh M., **Rai, A.**, Rai V. K.; Visible light induced direct conversion of aldehydes into nitriles in aqueous medium using Co@C₃N₄ as photocatalyst. *Cat. Commun.* 119, 76-81, 2019.
 - Sahu, A., Shukla, P., Mahata, S., Rai, V. K., **Rai, A.**, Singh M.; First bio-covalent functionalization of Graphene with threonine towards dry sensing via electrocatalytic transfer hydrogenation. *New J. Chem.*, 281, 1045-1053, 2019.
 - Verma, F., Shukla, P., Bhardiya, S. R., Singh M., **Rai, A.**, Rai, V. K., Photocatalytic C (sp³)-H activation towards α- methylation of ketones using MeOH as 1C-source steering reagent. *Adv. Synth. Catal.*, 361, 1247-1252, 2019.
 - Tandekar, K., Garai, S., **Sabbani, S.**, A Reversible Redox Reaction in a Keggin Polyoxometalate Crystal Driven by Visible Light: A Programmable Solid- State Photochromic Switch, *Chem. Eur. J.*, 24, 9747-9753, 2018.
 - Asha Madhavan, A., Juneja, S., **Sen, P.**, Ghosh Moulick, R., Bhattacharya, J., Gold Nanoparticle-Based Detection of Low Molecular Weight AGEs from In Vitro Glycated Haemoglobin A0 Samples, *Nanoscale Research Letters*, 13, 390, 2018.
 - Shweta, H., **Sen, S.**, "Dynamics of Water and Ions around DNA: What's So Special about them?" *J. Biosciences*, 43, 499 (Published on 1 July, 2018. (Invited review for Special Issue "Fluorescence in Biology"), 2018.
 - Kaur, J., Yadav, N. S., Singh, M. K., Khan, M. J., **Sen, S.**, Dixit, A., Choudhury, D., "Role of Ser65, His148 and Thr203 in the Organic Solvent- dependent Spectral Shift in Green Fluorescent Protein" *Photochem. Photobiol.* 95, 543, 2018.
- 333**
- Chatterji, I., Morris, D. W., **Shah, R.**, Relative property (T) for nilpotent subgroups. *Document a Math.*, 23:35-382, 2018.
 - Prasad, J., Singh, A. K., Shah, J., Kotnala, R. K., **Singh, K.**, Synthesis of MoS₂-reduced graphene oxide/Fe₃O₄nanocomposite for enhanced electromagnetic interference shielding effectiveness, *Materials Research Express*, 5, 120, 2018.
 - Kumar, A., Ram, I. S., Kumar, S., Ram, J., Upadhyay, A. N., **Singh, K.**, Glass-forming ability and thermal stability of Se₁₀₀2x(Ge₂Sb₂Te₅)_x glassy alloys, *J of Thermal Analysis & Calorimetry*, doi.org/10.1007/s10973-018-7412-7, 2018.
 - Yadav, A., Singh, A. K., Sharma, P. P., Solanki, P. R., **Singh, K.**, Optical properties of Highly Luminescent, Monodisperse, and Ultrastable CdSe/V₂O₅ Core/Shell Quantum Dots for In-Vitro imaging, *J of of Material Science: Materials in Electronics*, 2018.

- Bindra, J. K., Kurian, G., Christian, J. H., Tol, J. V., **Singh, K.**, Dalal, N. S., Mochena, M. D., Stoian, S. A., Strouse, G. F., Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots, *Chemistry of Materials*, 30 8446–8456, 2018.
- Yadav, A. N., Kumar, R., Jaiswal, R. K., Singh, A. K., Kumar, P., **Singh, K.**, Surface modification of CdS quantum dots: an effective approach for improving biocompatibility, *Materials Research Express* 6(5) 120, 2019.
- Kumar, A., Kumar, R., **Singh, K.**, Singh, S., Enhanced Electrocaloric Effect and Energy Storage Density in Lead-Free 0.8Na0.5Bi0.5TiO3-0.2SrTiO3 Ceramics, *Phys. Status Solidi A*, 1800786, 2019.
- Prasad, J., Singh, A. K., Haldar, K. K., Gupta, V., **Singh, K.**, Electromagnetic interference shielding effectiveness in 3D flower-like MoS2-rGO/gadolinium-doped nanocomposites, *Journal of Alloys and Compounds* 788, 861-872, 2019.
- Yadav, A. N., Singh, A. K., Srivastava, S., Kumar, M., Gupta, B. K., **Singh, K.**, Ultrafast Charge Carrier dynamics in CdSe/V2O5 core/shell Quantum Dots, *Physical Chemistry Chemical Physics*, 21, 6265, 2019.

Conference Proceedings (11)

- Mondala, Arijit., Premkumar, Leishangthem., **Das, Shankar P.**, Configurational Entropy Of Hard Sphere Liquid: A Density Functional Approach (In press)
- Yadav, Sunil Kumar., **Das, Shankar P.**, Flocking of Active Particles: Fluctuating Hydrodynamics Approach (In press)
- Meenakshi, Kumar A. and **Mahato R.N.**, Effect of Cu Doping at Mn-site on Structural and Magnetic Properties of Nanocrystalline La0.7Te0.3Mn0.9Cu0.1O3, *AIP Conf. Proc.* (2018) 1942, 050031.
- Kumar A., Meenakshi and **Mahato R.N.**, Impact of Structural Symmetry on Magnetization Properties in SrCo0.95Mn0.05O3 Prepared by Sol-Gel Method, *AIP Conf. Proc.* (2018) 1942,130008.
- **Mohanty, T.**, Shakya, J., Kasana, P., Comparative study of fluorescence lifetime quenching of rhodamine 6G by MoS2 and Au-MoS2, *AIP Conference Proceedings* 2018, 1942: 050119.
- **Mohanty, T.**, Kumar, S., Shakya, J., Mahanta, T., Latent track formation in swift heavy ion irradiated MoS2nanosheets, *AIP Conference Proceedings* 2018, 1942: 050121.
- Gurjar, G., Sharma, V., **Patnaik, S.**, Kuanr, B. K., “Control of magnetization dynamics and magnetic properties of PLD deposited YIG thin films on different substrates”. *AIP Conference Proceedings* 2018, 1942: 40021.
- Chaudhary, S., P. Srivastava, P., **Patnaik, S.**, “Evidence of magnetodielectric effect in honeycomb oxide Na2Co2TeO6.” *AIP Conference Proceedings* 2018, 1942:130045.
- Srivastava, P., Chaudhary, S., **Patnaik, S.**, “Large magnetodielectric response in spinel Ni0.5Co0.5Cr2O4.” *AIP Conference Proceedings* 2018, 1942: 130048.
- Nagpal, V., Kumar, P., Sudesh, **Patnaik, S.**, “Low temperature resistivity plateau and non-saturating magnetoresistance in Type-II Weyl semimetal WP2.” *AIP Conference Proceedings* 2018, 1942: 110035.
- Jat, K. S., Nagpal, V., Sagar, A. D., Neha, P., **Patnaik, S.**, et al. “Coexistence of charge density wave and superconductivity in Cu0.1TiSe2.” *AIP Conference Proceedings* 2018, 1942: 130047.

Books (01)

- **Shah, R.**, Resonance - Journal of Science Education 24 (3) 2019, A special women issue (co-editor with Sudeshna Sinha).

Chapters in Books (05)

334

- B. Abi et al. [DUNE Collaboration (including Rout, Jogesh; Shafaq, Sheeba and **Mehta, Poonam**)], “The DUNE Far Detector Interim Design Report Volume 1: Physics, Technologies and Strategies”, arXiv:1807.10334 [physics.insdet]
- B. Abi et al. [DUNE Collaboration (including Rout, Jogesh; Shafaq, Sheeba and **Mehta, Poonam**)], “The DUNE Far Detector Interim Design Report Volume 2: Single-Phase Module”, arXiv:1807.10327 [physics.ins-det]
- B. Abi et al. [DUNE Collaboration (including Rout, Jogesh; Shafaq, Sheeba and **Mehta, Poonam**)], “The DUNE Far Detector Interim Design Report Volume 3: Dual-Phase Module”, arXiv:1807.10340 [physics.ins-det]
- **Pandey, A.**, Kumar, A., **Puri, S.**, Quantum Chaotic Systems and Random Matrix Theory, to appear in 21st Century Nanoscience: A Handbook, edited by K.D. Sattler, CRC Press (Taylor and Francis, in press)
- Shweta, H., Pal, N., Singh, M. K., Verma, S. D., **Sen, S.**, “Dynamics of Water and Ions near DNA: Perspective from Time-Resolved Fluorescence Stokes Shift Experiments and Molecular Dynamics Simulation” Invited book chapter - Reviews in Fluorescence 2017, Springer, (Published in February, 2019).

School of Sanskrit and Indic Studies

Journal/Research Articles: (07)

- **Satyamurthy**, Bhāsarvajñīyamupamānam: Nyāyasarāṇe'bhīnavadr̥ṣṭiḥ Śodhaprabhā, SLBS Rashtriya Sanskrit Vidyapeeth, New Delhi, April, 2018, Vol. II of the Forty Third Year, pp. 15-25. ISSN 0974-8946
- **Satyamurthy**, Research Methodology in the Śāstric Tradition of Sanskrit, Sanskrit-Vāñmayī, *Journal of the dept. of Sanskrit*, Lucknow University, Lucknow. Vol. VIII, 2018, pp. 226-230. ISSN 2231-5799
- **Shukla, Santosh Kumar**, "Patanjali Ashtanga Yoga evam Nath Yoga ka Tulanatmaka Adhyayana", (page no. 78- 90), Nath Pranja, Mahayogi Guru Gorakhnath Shodhpeeth, DDU Gorakhpur University, Gorakhpur, 2019
- **Meena G.L.**, "Kathopnishad me Manonigarah Chikitsa ka samikshaatmaka adhyayan (Special reference in Charak Samhita) [January – July, 2019] Published by NRISC, Varanasi, *Journal of Samskrit Sandhana*, ISSN: 0974-1526.
- **Meena G.L.**, "Panchantra ke Aparikshitakarākam me Arogya chintan", [July – December, 2018] Published by NRISC, Varanasi, *Journal of Samskrit Sandhana* [47-53] ISSN: 0974-1526
- **Meena G.L.**, "Bhagawat Puran Me Ashtanga Yoga: Ek Drishti", [January – June, 2018] Published by NRISC, Varanasi, *Journal of Samskrit Sandhana*, [78-89] ISSN: 0974-1526.
- **Mahendar, T.**, Vemana padyaanaam samskrutaanuvadaah - ekam parisheelanam, *Arvacheena Sanskritam*, 159 (a) New Delhi, October, 2018, ISSN 2230-9551

Books: (01)

- **Shukla, Santosh Kumar**, *Sanskrit Kavita Manjari*, Sanskrit Society of India, Delhi, 2019

Chapters in Books: (13)

- **Jha Girish Nath**, & other "Translation Issues in Conversation Sanskrit-Bhojpuri Language Pair: An MT Perspective", Proc. of the 4th Workshop on "Indian Language Data: Resources and Evaluation (WILDRE)", held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2
- **Jha Girish Nath**, & other, "Automatic Language Identification System for Hindi and Magahi", poster in the procs of the 4th Workshop on "Indian Language Data: Resources and Evaluation (WILDRE)", held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2
- **Jha Girish Nath**, & other, "Demo of Sanskrit-Hindi SMT System", 4th Workshop on "Indian Language Data: Resources and Evaluation (WILDRE)", held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2
- **Jha Girish Nath**, & other, "Demo: Parts-of-Speech Tagger for Bhojpuri", 4th Workshop on "Indian Language Data: Resources and Evaluation (WILDRE)", held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2
- **Jha Girish Nath**, & other, "Demo: Graphic-based Statistical Machine Translator", 4th Workshop on "Indian Language Data: Resources and Evaluation (WILDRE)", held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2
- **Jha R. N.**, "Vedanga (Jyotisha and Kalpa)", Bharatiya Vidya Sara – 1. Ed. Shashibala, Om Vikas and Ashok Pradhan. New Delhi: Bharatiya Vidya Bhavan (approved by AICTE, New Delhi), 15 August, 2018: 32-37
- **Jha R. N.**, "Upaveda (Ayurveda, Dhanurveda, Gandharvaveda and Arthaveda)", Bharatiya Vidya Sara – 1. Ed . Shashibala, Om Vikas and Ashok Pradhan. New Delhi: Bharatiya Vidya Bhavan (approved by AICTE, New Delhi), 15 August, 2018: 38-42
- **Jha R. N.**, "Anyā Vidyaen (Dharmashastra, Mimamsa, Purana and Tarkavidya)", Bharatiya Vidya Sara – 1. Ed. Shashibala, Om Vikas and Ashok Pradhan. New Delhi: Bharatiya Vidya Bhavan (approved by AICTE, New Delhi), 15 August, 2018: 43-52
- **Jha R. N.**, "Bharatiya Darshana evam Adhunikā Vijnana", Bharatiya Vidya Sara – 1. Ed. Shashibala, Om Vikas and Ashok Pradhan. New Delhi: Bharatiya Vidya Bhavan (approved by AICTE, New Delhi), 15 August, 2018: 55-72
- **Jha R. N.**, "Samkhyadarshana", Bharatiya Vidya Sara – 2. Ed. Shashibala, Om Vikas and Ashok Pradhan, New Delhi: Bharatiya Vidya Bhavan (approved by AICTE, New Delhi), 15 September, 2018: 42-49

336

- **Mishra Rajnish K.**, *Mutual Regard: An Anthology of Indo-Irish Writings*, Assistant Editor of the Indian Contents (Eds. Kapil Kapoor, Santosh K. Sareen, Robert A. Welch and Simus Mac Mathuna), Delhi: D.K. Printworld (P) Ltd.).2018. (ISBN 9788124608982). Delhi: D.K. Printworld (P) Ltd.).

- **Mishra Rajnish K.**, "Samasamayika Kavya evam Sanskrit Kavyashastra", in *Sanskrit Kavyashastra evam Samasamayika Sansdarbha*, pp 192-197. Delhi: Vidyanidhi Prakashan, 2017. (ISBN 93-8553948-5)
- **Mishra Rajnish K.**, "Ramayana as a Meta-poetics text", in *Valmiki Ramayana*, pp. 241-259, (ed.) Awadhesh K Singh, Delhi: D K Printworld, 2017, ISBN 978-81-246-0896-8

School of Social Sciences

Journal/Research Articles: (183)

Centre for Economic Studies and Planning: (01)

□ **Guha, Subrata**, "Petty Services, Profit-led Growth and Rural Urban Migration in a Developing Economy", coauthored with Gogol Mitra Thakur, *Metroeconomica*, John Wiley and Sons, Online ISSN: 1467-999X, February, 2019, pp 144-171.

Centre for the Study of Social Systems: (04)

□ **Oommen T.K.**, "Religion and Violence", *Indian Journal of Secularism*, Vol. 21 (4), 2018, pp. 5-16.

□ **Jodhka Surinder Singh**, "Rural Change in Times of 'Distress'", *Economic and Political Weekly*. Volume 53 (26- 27):5-7. 2018

□ **Fazal Tanweer**, With Azra Razzack, Justice Rajindar Sachar (1923-2018), Obituary published in *Economic and Political Weekly*, Vol. 53, Issue No. 20, 19 May, 2018

□ Datta, Ankur and **Vaid, Divya**, "Mind the Gap?: Navigating the Quantitative and the Qualitative in Survey Research", *Studies in Indian Politics*, 6 (1): 140-145, 2018

Centre for the Study of Regional Development: (73)

□ **Dubey, Amaresh**, Economic Growth and Urban Poverty (with Shivakar Tiwari), *Environment and Urbanisation Asia*, Vol. 9, No. 1, 2018

□ **Dubey, Amaresh**, Rising school attendance in rural India: An evaluation of the effects of major educational reformsll (with Nabanita Datta Gupta and Marianne Simonsen), *Education Economics*, Vol. 26, No. 2, 2018

□ **Dubey, Amaresh**, "Workforce Entry and Exit Decisions of Rural Women in India", (with Nancy Sebastian), *Labour & Development*, Vol. 25. No.1, 2018

□ **Banerjee Anuradha**, Published a paper on "Understanding the Issues of Gender, Caste and Seasonal Migration of Brick Workers in Bihar", (Co-author: Sunita Kumari) in the *Journal of Social Inclusion Studies*, Volume 03, Number 1 And 2, June 2017, published in October, 2018, pp 36-46; ISSN 2394-4811

□ **Banerjee Anuradha**, Published a paper on "Quality of Care and Early Childhood Developmental Status in Nepal: a Multilevel Analysis", (Co-Authors: Rayhan Sk., Rakesh Mishra & Somdutta Barua), Routledge Taylor and Francis Group, ISSN: 0300-4430 (Print) 1476-8275 (Online) Journal homepage: <https://www.tandfonline.com/loi/gecd20>, January, 2019

□ **Das Bhaswati**, Regional Variation and Determinants of Well-being of the Elderly in India in *Journal of Population and Social Studies*, 26(3), July, 2018: 219 – 234 DOI: 10.25133/JPSSv26n3.016 219

□ **Das Bhaswati**, Regional Patterns of Deprivation in India: An Assessment Based on Household Characteristics, *Basic Amenities and Asset Possession in Social change* 48(3): 367 – 383, September, 2018, DOI: 10.1177/ 0049085718781663

□ **Choudhary Bikramaditya K.**, "Can poor Cities breathe: responses to climate change in low income countries", *Urban Climate*, 2019

□ **Choudhary Bikramaditya K.**, "Failing Cityscape: Urbanization and Urban Climate", *National Geographical Journal of India, An International Refereed Journal*, ISSN: 0027-9374/2018/1655), Vol. 64, No. 1-2, 2018

□ **Choudhary Bikramaditya K.**, "Transforming Dubai: Oasis to Tourist's Paradise", *Contemporary Middle East Review*, Vol. 5, No. 4, 2018

□ **Choudhary Bikramaditya K.**, "Water as a prime theme of Urban Governance", *South Asian Water Studies*, Vol. 8, No. 1, pp. 51-53: 2018

□ **Mishra Deepak K.**, "State, Community and the Agrarian Transition in Arunachal Pradesh", *Economic and Political Weekly*, 33 (41): 64-70, 2018

□ **Mishra Deepak K.**, "Access, Utilization and Impact of Public Distribution System in Uttar Pradesh, India", *Indian Journal of Human Development*, 12(1): 20-36 (with A Gupta), 2018

□ **Mishra Deepak K.**, "Desarrollohidroeléctrico y derechoscomunitariosen el Himalaya oriental, India". El caso de Arunachal Pradesh," *Ecología Política*, 55: 87-91, (in Spanish), 2018

338

□ **Mishra Deepak K.**, "Women and Work in Rural Assam: Pattern and Determinants", *Journal of Social and Economic Development*. 20(2): 213-239, (with K.S.Das), 2018

□ **Mishra Deepak K.**, "Globalisation and the Land Question: Development, Dispossession and Resistance", *Journal of Asian and African Studies*, 54(2): 300-306, 2018

□ **Das Dipendra Nath**, Jointly with Chakraborti, S., Mondal, B., Shafizadeh-Moghadam, H., & Feng, Y., "A neural network and landscape metrics to propose a flexible urban growth boundary: A case study", 2018, *Ecological indicators*, 93: 952-965. doi: 10.1016/j.ecolind.2018.05.036. ISBN: 1470-160X.

- **Das Dipendra Nath**, Jointly with Chakraborti, S., Sannigrahi, S., & Banerjee, A., "Assessing Dynamism of Urban Built-up Growth and Landuse Change Through Spatial Metrics: A Study on Siliguri and its Surroundings", 2018, *Indian Journal of Geography and Environment*, 15/16:75-88, Available at: <http://inet.vidyasagar.ac.in:8080/jspui/handle/123456789/4528>. ISSN: 0972-8503
 - **Das Dipendra Nath**, Jointly with Mondal, B., Chakraborti, S., Joshi, P. K., Maity, S., Pramanik, M. K., & Chatterjee, S., "Comparison of spatial modelling approaches to simulate urban growth: a case study on Udaipur city, India", 2018, *Geocarto International*, 1-23. doi.org/10.1080/10106049.2018.1520922. ISSN: 1010-6049, (Print) 1752-0762 (Online).
 - **Das Dipendra Nath**, Jointly with Vungngaihlun, Rahaman, M., "Determinants of School Dropouts in Elementary Education in Manipur", 2018, *Indian Journal of Geography and Environment*, 15/16: 89-106. Available at: <http://inet.vidyasagar.ac.in:8080/jspui/handle/123456789/4527>. ISSN: 0972-8503
 - **Kannan Elumalai**, "Precision Agriculture: The Future of Sustainable Farming", *Geography and You*, 2018, 18(12): 25-30
 - **Kannan Elumalai**, Book Review on *Estimating Marketed Surplus in Gujarat Agriculture: New Vistas Explored* by Munish Alagh. *The Economic Journal*, 2018, 65(1-4): 194-195.
 - **Chowdhury Indrani Row**, Private- public Partnership, Commitment and X- inefficiency (with P R Chaudhuri) in the *Arthaniti* Vol XVII (No. 1), 2018, ISSN 0976 7479, Sage Publications.
 - **Mohan Madan**, "Geospatial Progression of Land Resources: A Study of Key Features, Outcomes, and Lessons Learned from Land Reform Process in Emerging and Developing Country, India", *Research Review International Journal of Multidisciplinary*, Volume 03, Issue 03, 2018, pp. 163-172.(ISSN: 2455-3085), Impact Factor 5.214. UGC Approved Journal.
 - **Mohan Madan**, "Geoinformatics: Geospatial Science and Technology for Earth Resources Management and Sustainable Regional Development", *Research Review International Journal of Multidisciplinary*, Volume03, Issue 04, 2018, pp. 153-163, (ISSN: 2455- 3085), Impact Factor 5.214. UGC Approved Journal.
 - **Mohan Madan**, "Geography of Land Governance and Management: A Geospatial Valuation of Land Utilisation and Sustainable Agricultural Development in India", *International Journal of Applied Social Science*, Volume 5, Issue 5, 2018, pp. 363-389. (ISSN: 2394-1405), Impact Factor 5.734, UGC Approved Journal
 - **Mohan Madan**, "Capacity Building Program in Higher Education: A Study of Research Methodology Program in Social Sciences for Northern India", *Research Review International Journal of Multidisciplinary*, Volume 03, Issue 05, 2018, pp. 321-330. (ISSN: 2455- 3085), Impact Factor 5.214.UGC Approved Journal
 - **Mohan Madan**, "Geospatial Technology for Mapping and Modelling of Urban Population: A Study of Process of Urbanisation in Emerging and Developing Country, India", *International Journal of Applied Social Science*, Volume 5, Issue 6, 2018, pp. 769-783. (ISSN: 2394-1405), Impact Factor: 5.734, UGC Approved Journal
 - **Mohan Madan**, "Geospatial Dynamics of Informal Settlements: A Study of Slums and Squatter Settlements Challenges in India", *International Journal of Research in Social Sciences*, Volume 8, Issue 7, 2018, pp. 727-749. (ISSN: 2249-2496) Impact Factor: 7.081. UGC Approved Journal.
 - **Mohan Madan**, "Geospatial Analyses using Photogrammetric Algorithms: A Study of Aerial Photograph's Formats, Measurements and Modelling for Landscape of Real-World", *International Journal of Applied Social Science*, Volume 5, Issue 7, 2018, pp. 1019- 1039. (ISSN: 2394-1405), Impact Factor: 5.734, UGC Approved Journal.
 - **Punia Milap**, "Assessment of green space cooling effects in dense urban landscape: a case study of Delhi", India (with Pramanik, S). *Modeling Earth Systems and Environment*, 1-18, 2019
 - **Punia Milap**, "Prediction of spatio-temporal land use/land cover dynamics in rapidly developing Varanasi district of Uttar Pradesh, India, using geospatial approach: a comparison of hybrid models"(Co-author with Mishra, V. N., Rai, P. K., Prasad, R. & Nistor, M. M) . *Applied Geomatics*, 1-20, 2018
 - **Punia Milap**, A question on sustainability of drinking water supply: a district level analysis of India using analytic hierarchy process (Co-author with Poonia, A). *Water Policy*, wp2018104, 2018
 - **Punia Milap**, Urban dynamics assessment of Ghaziabad as a suburb of National Capital Region, India (Co-author with Horo, J. P.). *GeoJournal*, 1-17, 2018
- 339**
- Diamond-Smith, N., **Saikia, N.**, Bishai, B., and Canudas-Romo, V., "What has contributed to improvements in the child sex ratio in select districts of India? A decomposition of the sex ratio at birth and child mortality," *Journal of Biosocial Science*, Publisher: Cambridge University Press, 2019, <https://doi.org/10.1017/ S0021932019000221>
 - **Saikia, N.**, Moradhvaj, Saha, A. and Chutia, U., "Actual and ideal fertility differential among natives, immigrants, and descendants of immigrants in a northeastern state of India," in *Population, Space, and*

- Place, Publisher: Wiley, 2019, <https://onlinelibrary.wiley.com/doi/epdf/10.1002/psp.2238>.
<https://doi.org/10.1002/psp.2238>
- Moradhvaj and **Saikia, N.**, “Gender Disparities in Health-care Expenditure and Financing Strategies (HCFS) for Inpatient Care in India,” in *SSM-Population Health*, Publisher: Elsevier, 2019, <https://www.sciencedirect.com/science/article/pii/S2352827318302787>
 - **Saikia, N.**, Bora, J. & Luy, M., “Socioeconomic disparity in adult mortality in India: estimations using orphanhood method”, *Genus*, Vol. 75, No. 7, Publisher: Springer Open: <https://rdcu.be/bjW6W>, 2019
 - **Saikia, N.**, Sehgal, S., Bora, J., & Dimondsmith, N., “Experiences of neonatal deaths among Urban poor in metropolitan delhi: Commination, poor quality, And overwhelmed system”, *Journal of Social Inclusion Studies*. Vol.3, No.s 1&2, 2018, Publisher: Sage: <https://journals.sagepub.com/doi/10.1177/2394481120170101>
 - Parmer, M., and **Saikia, N.**, Chronic Morbidity and Reported Disability among Older Persons from the India Human Development Survey, *BMC Geriatrics*, Publisher: BMC part of Springer Nature, 2018, <https://bmcgeriatr.biomedcentral.com/articles/10.1186/s12877-018-0979-9>
 - Bora, J. and **Saikia, N.**, “Neonatal and under-five mortality rate in Indian districts with reference to Sustainable Development Goal 3: An analysis of the National Family Health Survey of India (NFHS), 2015–2016.” *LoS ONE*: Publisher: Public Library of Science: *PLoS ONE* 13(7): e0201125, 2018, <https://doi.org/10.1371/journal.pone.0201125>
<http://journals.plos.org/plosone/article/authors?id=10.1371/journal.pone.0201125>
 - Guilmoto, C.Z., **Saikia, N.**, Tamrakar, V. and Bora, J.K., “Excess under-5 female mortality across India: a spatial analysis using 2011 census data,” *Lancet Global Health*: Publisher: Elsevier, 2018 [https://doi.org/10.1016/S2214-109X\(18\)30184-0](https://doi.org/10.1016/S2214-109X(18)30184-0) [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(18\)30184-0/fulltext](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(18)30184-0/fulltext)
 - Chisumpa, V.S., Odimegwu, C.O. and **Saikia, N.**, “Mortality in sub-Saharan Africa: What is killing adults aged 15- 59 years in Zambia?”, Vienna Institute of demography working paper, 04/2019. WP2019_04, 2019
 - **Pani Padmini**, (with R. Pal) “Remote Sensing and GIS-based Analysis of Evolving Planform Morphology of the Middle-Lower Part of the Ganga River, India”, *Egyptian Journal of Remote Sensing*, (Elsevier), 21(3):1-10, 2018
 - **Pani Padmini**, (with A.Mohala) “Land Degradation Study of a Part of Eastern Chotonagpur Plateau, India”, *ANNALS, NAGI* (National Association of Geographers), India, 38(1):27-41, 2018
 - **Bathla Seema**, “Targeting Agricultural Investments and Input Subsidies in the Low-Income and Lagging Regions of India “ (with P K Joshi and Anjani Kumar), *The European Journal of Development Research*, January, 2019
 - **Bathla Seema**, “Increasing Agricultural Productivity for Rapid Structural Transformation”, *Agriculture Research Journal*, 56 (1): 188-189, March, 2019
 - **Bathla Seema**, “Agrarian Distress in India and Possible Options to Raise Farm Income (with Roopali Aggarwal)”, *Indian Journal of Agriculture Marketing*, Vol. 33, No.1, 2019
 - **Bathla Seema**, “Labour Regulations and Informalisation in India’s Organised Manufacturing: A Case of Textile and Clothing “(with Prateek Kukreja), *Indian Journal of Labour Economics*, Vol.61, Issue 3, September, 2018
 - **Bathla Seema**, “Agriculture and Sustainable Development Goals: An Overview and Issues” (with N.C. Rao, A. Kumar, G. Jha), *Agriculture Economics Research Review*, Vol.31, Conference No., 2018
 - **Bathla Seema**, Rapporteur’s report on Seven Year Plan for Agriculture: Output and Biowaste Management, *Indian Journal of Agricultural Economics*, Conference Volume 73 (3), 2018
 - **Bathla Seema**, “Accelerating Primary and Value-added Agricultural Exports” (with Abhishek Kha), *Financial Express*, 5 March, 2019
 - **Bathla Seema**, “Revoking Pakistan’s MFN Status: More Symbolic than Punitive (with Abhishek Kha)”, *The Hindu*, 21 February, 2019
 - **Bathla Seema**, “Agrarian crisis: Direct Transfer more Efficient, Effective than Input Subsidies” (with Anjani Kumar), *Financial Express*, 12 February, 2019
 - **Bathla Seema**, “Farm loan waivers are not the panacea” (with Anjani Kumar), *The Hindu Business Line*, 8 January, 2019
 - **Bathla Seema**, “Farm reforms: Better yields from DBT than fertilizer subsidy”, (with Anjani Kumar), *Financial Express*, 20 December, 2018
 - **Bathla Seema**, “Cutting through the smog”, (with Ravi Kiran), *The Hindu*, 5 December, 2018
 - **Bathla Seema**, “Helping the invisible hands of agriculture”, (with Ravi Kiran), *The Hindu*, 15 October, 2018
- 340**
- **Goli S.**, Moradhvaj, Chakravorty S., Rammohan A., World health status 1950 – 2015: Converging or diverging *PLOS ONE* 14(3): e0213139, <https://doi.org/10.1371/journal.pone.0213139>, 2019

- Rana, M.J., Gautam A., **Goli S.**, Uttamacharya, Reja T., Nanda P., Datta N., Verma, R., “Planning of births and maternal, child health, and nutritional outcomes: recent evidence from India”, *Public Health*, Vol. 169, Pages 14 – 25, 2019, <https://www.sciencedirect.com/science/article/pii/S0033350618303895>
 - Rana, JM, **Goli, S.**, (2019). “Population Challenges in India”, *Economic and Political Weekly*, Vol. 54, Issue No.1, 05, 2019, <https://www.epw.in/journal/2019/1/book-reviews/population-challenges-india.html>,
 - **Goli, S.**, [With] GBD 2017 Risk Factor Collaborators, Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017, *The Lancet*, 8 November, 2018; 392:1923-94, doi: [http://dx.doi.org/10.1016/S0140-6736\(18\)32225-6](http://dx.doi.org/10.1016/S0140-6736(18)32225-6).
 - **Goli, S.**, [With] GBD 2017 DALYs and HALE Collaborators, Global, regional, and national disability-adjusted life years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017, *The Lancet*, 8 November, 2018; 392:1859–922, doi: [http://dx.doi.org/10.1016/S0140-6736\(18\)32335-3](http://dx.doi.org/10.1016/S0140-6736(18)32335-3).
 - **Goli, S.**, [With] GBD 2017 “Disease and Injury Incidence and Prevalence Collaborators, Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017”, *The Lancet*, 8 November, 2018; 392:1789–858, doi: [http://dx.doi.org/10.1016/S0140-6736\(18\)32279-7](http://dx.doi.org/10.1016/S0140-6736(18)32279-7).
 - **Goli, S.**, [With] GBD 2017 “Causes of Death Collaborators, Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017”, *The Lancet*, 8 November, 2018; 392:1736-88. doi: [http://dx.doi.org/10.1016/S0140-6736\(18\)32203-7](http://dx.doi.org/10.1016/S0140-6736(18)32203-7)
 - **Goli, S.**, [With] GBD 2017 “Mortality Collaborators, Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017”, *The Lancet*, 8 November, 2018; 392:1684-735. doi: [http://dx.doi.org/10.1016/S0140-6736\(18\)31891-9](http://dx.doi.org/10.1016/S0140-6736(18)31891-9).
 - Rammohan, A., **Goli S.**, Singh, D., Ganguly, D., & Singh, U., (2018). “Maternal dietary diversity and odds of low birth weight: empirical findings from India”, *Women & Health*, 2018, <https://doi.org/10.1080/03630242.2018.1487903>
 - **Goli S.**, and Rammohan, A., Moradhvaj, Out-of-pocket expenditure on maternity care for hospital births in Uttar Pradesh, India, 2018, *Health Economics Review*, 8(1):5.
 - **Sreekesh S.**, (Along with S.R. SreeramaNaik and Seema Rani), Effect of Sea Level Changes on the Groundwater Quality along the Coast of Ernakulam District, Kerala. *Journal of Climate Change*, Vol. 4, No. 2 (2018), pp. 51–65.
 - **Sreekesh S.**, (Along with Seema Rani), “Evaluating the Responses of Streamflow under Future Climate Change Scenarios in a Western Indian Himalaya Watershed”, *Environmental Processes*, Vol.6, No.1 pp. 155-174. 2019
 - **Sen Sucharita**, “Women in Indian Agriculture: Trends and Correlates,” (co-authored with A Raj, S Mondal, S Chatterjee), *Geography and You*, August, 2018, pp 10-15.
 - Sayak Dutta, **Butola B.S.**, Interaction Between People and Government: Exploring Everyday Politics in Kolkata, *Indian Journal of Regional Science*, Vol-LNo-2, 201, pp 138 – 146
 - **Butola B.S.**, Subaltern Urbanism the will Encyclopedia of Urban and Regional Studies, 2018 – 2019
- Centre for Historical Studies: (20)**
- **Atwal, Jyoti**, Embodiment of Untouchability: Cinematic Representations of the “Low” Caste Women in India. *Open Cultural Studies*, 2(1), pp. 735-745. (De Gruyter) DOI: <https://doi.org/10.1515/culture-2018-0066>, 2018
 - **Atwal, Jyoti**, “Donna Haraway and Feminist Philosophy: The Cyborgic moment in Indian Feminist history”, *Homosapiens: A Travancore Journal of Philosophy*, Oriental Institute of Religious Studies, Kottayam, Vol 1, Issue 1, 2018, pp43-56.
 - **Dasgupta Sangeeta**, “Adivasi Studies: From a historian’s perspective”, *History Compass*, Published Online, 11 September, 2018 (<https://doi.org/10.1111/hic3.12486>), pp. 1-11/ *History Compass*, Vol. 16, Issue 10, October, 2018
 - **Prasad Birendra Nath**, “Dedicatory Inscriptions on the Early Historic and Early Medieval Sculptures of Bodh Gaya: Explorations in Socio-religious History”, in Prof. Enamul Haque (ed.), *Journal of Bengal Art*, Dhaka, Vol. 24, 2019, pp.91-101.
- 341**
- **Chakrabarti Kunal**, “Brahmanical Religions”, in Abdul Momin Chowdhury and Ranabir Chakravarti (eds.), *History of Bangladesh: Early Bengal in Regional Perspectives (up to c. 1200 CE)*, Asiatic Society of Bangladesh, Dhaka, 2018

- **Chakrabarti Kunal**, "Of Mouse and Other Ancestors: Retrieving History from the Puranas", in Kumkum Roy and Naina Dayal (eds.), *Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar*, Aleph Book, Co., 2019
 - **Chakrabarti Kunal**, "Brahmanical Hegemony and the Oppressed Social Groups: Rethinking the 'Kaivartta Revolt'", in Osmund Bopearachchi and Suchandra Ghosh (eds.), *Early Indian History and Beyond: Essays in Honour of B. D. Chattopadhyaya*, Primus Books, Delhi, 2019
 - **Gunasekaran S.**, "Kokkokam and Tamil Sexuality (in Tamil)", *Kaalachuvadu*, February, 2019
 - **Nair Janaki**, "The Provocations of the Public University in Contemporary India", in Debaditya Bhattacharya ed. *The University Unthought: Notes for a Future*, Routledge India, 2018, pp. 41-61
 - **Nair Janaki**, "Speculations on the Rise of the Public Anti-Intellectual", in Kumkum Roy and Naina Dayal eds. *Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar*, Aleph Book Co., 2019, pp. 398-410
 - **Mahajan Sucheta**, "Hindutva Agenda and History Writing: Imaginings of the Nation", in *Revista Canaria de Estudios Ingleses* South Asian Studies, April, 2018
 - **Kamtekar Indivar**, "Freedom and the Coercive Power of the Indian State", *Proceedings of the Indian History Congress, Seventy-Eighth Session, Kolkata, 2017* (Delhi, 2018)
 - **Mahalakshmi R.**, "Gods, Rituals and Religious Ideas: An Exploration of the *Avesta* and *R̥g Veda*", *Studies in People's History*, Vol. 5, No. 2, 2018, pp. 127-42.
 - **Mahalakshmi R.**, "Book review: D.N. Jha, *Against the Grain: Notes on Identity, Intolerance and History*", *Studies in People's History*, Vol. 5, No. 2, 2018, pp. 226-29.
 - **Mahalakshmi R.**, "Book Review: Chattopadhyaya, B.D., *The Concept of Bharatavarsha and Other Essays*", *Asian Review of Humanities*, Vol. 1, No. 1, 2018, pp. 112-17.
 - **Malekandathil Pius**, "Traders, Religious Orders and 'Rome of the East'; Changing Meanings of the Religious Processes in the City of Goa, 1510-1650", in *Pius Malekandathil, Lotika Varadarajan and Amar Farooqui(ed.)*, *India, the Portuguese and Maritime Interactions: Vol. I Science, Economy and Urbanity*, Primus, New Delhi, 2019, pp. 513-547
 - **Malekandathil Pius**, "Dynamics of Trade, Faith and the Politics of Cultural Enterprise in Early Modern Kerala", in Manu V. Devadevan, *Clio and her Descendants : Essays in Honour of Kesavan Veluthat*, Primus Books, New Delhi, 2018, pp.157-198
 - **Malekandathil Pius**, Contextualizing the Encounters between Portuguese Missionaries and the St. Thomas Christians", in *Thomas Christian Heritage: Journal of the Syro-Malabar Liturgical Centre*, vol.X, No.18, 2018, pp. 61-109
 - **Malekandathil Pius**, "Changing Trajectories of Philosophy of History", in *Homo Sapiens: A Travancore Journal of Philosophy*, vol. I, Issue 1, 2018, pp.7-24
 - **Varma Supriya**, (co-authored with J Menon), Archaeological Places: Negotiations between Local Communities, Archaeologists, and the State, *Journal of Social Archaeology*, Vol19.2, 2019
- Centre for Political Studies: (14)**
- **Ali Amir**, "The Quest(-ion) for Diversity" *Journal of Human Values*, 25(1) 2019, 41-51
 - **Roy Anupama**, "Regulating the Electoral Domain: The Election Commission of India' (co-authored), *Indian Journal of Public Administration* (Special issue on the theme Regulatory Institutions in India), 2018: 64 (3).
 - **Roy Anupama**, International Forum, Volume 69, July – August, 2018 (co-authored) <https://doi.org/10.1016/j.wsif.2018.05.005>
 - **Gupta Papia Sen**, "Language Politics and Public Sphere in North India: Making of the Maithili Movement". Book review. Summerhill. Volume 23, No. 2. Indian Institute for Advanced Studies Shimla, (2018)
 - **Dasgupta Rajarshi**, "Exceptionalising Democratic Dissent: A study of the JNU event and its representations, Coauthored with Mohinder Singh, *Postcolonial Studies*, March, 2019, Vol. 22, No. 1, 1–19, pp. 59-78
 - **Suthar, Sudhir Kumar**, "Contemporary Farmers' Protests and 'New Rural-Agrarian in India", *Economic and Political Weekly*, Vol. 53, Issue No. 26-27, June, 2018
 - **Suthar, Sudhir Kumar**, "Bundelkhand Development Package, Drought and the Development Question in India", *Social Change*, 2018, Vol. 48, Issue 3, pp. 398-416
- 342**
- **Suresh, T G.**, "Labor and State Absenteeism: The Intersecting Social Experience of Construction Workers in India and China", in Prasenjit Duara and Elizabeth J Perry (eds.) *Beyond Regimes: China and India Compared* (Cambridge Massachusetts): Harvard University Asia Centre, 2018), pp.62-95
 - **Suresh, T G.**, "The New Turn in China's Urban Question", in Manoranjan Mohanty (ed.) *China at a Turning Point: Perspectives after the 19th Party Congress* (Delhi: The Institute of Chinese Studies and the Pentagon Press, 2019), pp.205 - 214
 - **Bijukumar, V.**, "Political Outsourcing of the Idea of India", *ISDA Journal*, Vol. 28, No. 2, April – June, 2018, pp. 177-200

- **Bijukumar, V.**, Intrigues of indigeneity and patriarchy in khasi society, *Economic and Political Weekly*, Vol. 10, 9 March, 2019
- **Gurpreet Mahajan**, 'Rewriting the Contract with Science' *Dialogue*, DOI: <https://doi.org/10.29195/DSSS.01>. 01.0010, 1 October, 2018.
- **Gurpreet Mahajan**, 'Unity in Diversity: Dream and Reality', *Economic and Political Weekly*, 54/5, 2 February, 2019
- **Asha Sarangi**, Vernacularizing Past: Writing New Political Histories in Contemporary India in *Anekantanubhava: A Journal of South Asian History, Society and Culture*, Vol 1, 2018
- Centre of Social Medicine and Community Health: (31)**
- Sriram, Veena & George, Asha & **Baru, Rama**, & Bennett, Sara, Socialization, legitimation and the transfer of biomedical knowledge to low- and middle-income countries: Analyzing the case of emergency medicine in India, *International Journal for Equity in Health*, 17. 10.1186/s12939-018-0824-y, (2018)
- Sriram, Veena & **Baru, Rama**, & Bennett, Sara, Regulating recognition and training for new medical specialties in India: the case of emergency medicine, *Health Policy and Planning*, 33. 1-13. 10.1093/heapol/czy055, (2018). □ **Baru, RV.**, M. Mohan, Globalisation and neoliberalism as structural drivers of health inequities *Health Research Policy and Systems* 201816 (Suppl 1):91 <https://doi.org/10.1186/s12961-018-0365-2>, 9 October, 2018
- Rao, N. V., Downey, L., Jain, N., **Baru, R.**, & Cluzeau, F., Priority-setting, the Indian way, *Journal of global health*, 8(2), 020311, (2018)
- **Baru, R.**, "The Bhore Committee and Recent Debates". *Seminar*, February, 2019.
- **Priya R.**, Gaitonde R., Gandhi M.P, Sarkar, A., Das S., Ghodajkar P., The Alm-Ata Declaration and Elements for a PHC 2.0. *Medico Friend Circle Bulletin*, No. 380, 1-8, (2019)
- Gaitonde R., **Priya R.**, Sarkar, A., Das S., Ghodajkar P., Gandhi M.P., Some Thoughts on Health for All: the Rationale for engaging with the Politics of Knowledge. *Medico Friend Circle Bulletin*, No. 380, 9-15, (2019)
- Ghodajkar P., Das S., Sarkar, A., Gandhi M.P., Gaitonde R., **Priya R.**, Towards Reframing the Operational Design for HFA 2.0: Factoring in Politics of Knowledge in Health Systems. *Medico Friend Circle Bulletin*, No. 380, 16-25, (2019)
- **Priya, R.**, and Kurian C.M., Regulating Access and Protecting Traditional Health Knowledge through Intellectual Property Rights? Issues from a Holistic Health Systems Perspective. *Science, Technology & Society* 23:3 (2018): 1– 26
- **Priya R.**, and Ghodajkar P., Regulating the Medical Profession: challenges and Possibilities of the National medical Commission Bill, 2017. *Social Change*, 48(2) 1-5, (2018).
- Marshall, F., J. Dolley, and **Priya R.**, Transdisciplinary research as transformative space making for sustainability: enhancing pro-poor transformative agency in peri-urban contexts. *Ecology and Society* 23(3):8. <https://doi.org/10.5751/ES-10249-230308>, (2018)
- Z. Begna, **Bisht R.**, Exploring Barriers in Health Care Delivery System for Cancer Care in Ethiopia, *International Journal of Health Sciences & Research*, (www.ijhsr.org) Vol.8; Issue: 12; pp. 132-142, (2018)
- **Dasgupta R.**, Sharma S, Sharma N, Banerjee K, Haran EGP, Muliye J, Salunke S, Masoodi MA, Haldar P, Bahl S, Bhatnagar P, Joshi S, Arora NK. Successful switch (tOPV to bOPV) in India: Tribute to a resilient health system. *Vaccine* 37 (2019) 2394–2400.
- Chugh Sachdeva R, Mondkar J, Shanbhag S, Manuvar Sinha M, Khan A, **Dasgupta R.**, Israel-Ballard K., Understanding Barriers and Facilitators for Human Milk Banking Among Service Providers, Mothers, and Influencers of Neonates Admitted at Two Health Facilities in a Metropolitan City in India, *Breastfeeding Medicine*, 14(2):694-701. doi: 10.1089/bfm.2018.0177, (2019)
- Bandyopadhyay T, Maria A, **Dasgupta R.**, Ethical Dilemmas in Perinatal and Neonatal Care: Tough Questions, Fuzzy Answers. *EC Paediatrics* 8.1: 38-41, (2019)
- 343**
- Mondkar J, Chugh Sachdeva R, Shanbhag S, Khan A, Manuvar Sinha M, **Dasgupta R.**, Israel-Ballard K., Sabharwal V., Understanding Barriers and Facilitators for Human Milk Banking Among Service Providers, Mothers, and Influencers of Preterm and Sick Neonates Admitted at Two Health Facilities in a Metropolitan City in India. *Breastfeeding Medicine*, December, 2018; 13(10):694-701. doi: 10.1089/bfm.2018.0103. Epub 31 October, 2018
- Dixit S, Arora NK, Rahman A, Howard NJ, Singh RK, Vaswani M, Das MK, Ahmed F, Mathur P, Tandon N, **Dasgupta R.**, Chaturvedi S, Jethwaney J, Dalpath S, Prashad R, Kumar R, Gupta R, Dube L, Daniel M. Establishing a Demographic, Development and Environmental Geospatial Surveillance Platform in India: Planning and Implementation (2018). *JMIR Public Health Surveillance*; 4(4):e66, DOI: 10.2196/publichealth.9749, PMID: 30291101.
- **Dasgupta R.**, Chaand I., Programmatic Approaches for Nutritional Care in India: Addressing the Continuum of Care Perspectives, *Indian Paediatrics*, 55(8):653-6, (2018)

- Arora NK, Nair MKC, Gulati S, Deshmukh V, Mohapatra A, Mishra D, Murthy GVS, Sharma TD, Sapra S, Aneja S, Junena M, Reddy SK, Suman P, Mukherjee SB, **Dasgupta R.**, et al., Neurodevelopmental disorders in children aged 2-9 years: Population-based burden estimates across five regions in India. *PLoS Med* 15(7): e1002615. <https://doi.org/10.1371/journal.pmed.1002615>, (2018).
- **Dasgupta R.**, Chaand I., Barla KB., The Slippery Slope of Child Feeding Practices in India, *Indian Paediatrics*, 55(4):284-6, (2018)
- **Acharya, Sanghmitra S.**, “Morbidity and Treatment- seeking Behaviour Among Scheduled Tribe in India: A Crosssectional Study”, *Journal of Social Inclusion Studies* 4(2) 1–16, 2019. Indian Institute of Dalit Studies. SAGE Publications, sagepub.in/home.nav DOI: 10.1177/2394481118818594 <http://journals.sagepub.com/home/sis> (coauthored with Rajesh Raushan)
- **Acharya, Sanghmitra S.**, “Health Equity in India: An Examination Through the Lens of Social Exclusion”, *Journal of Social Inclusion Studies*, 4(1) 104–130, 2018, Indian Institute of Dalit Studies SAGE Publications. sagepub.in/home.nav DOI: 10.1177/2394481118774489 <http://journals.sagepub.com/home/sis>
- **Acharya, Sanghmitra S.**, “Socioeconomic correlates of Bereavement and Sorrow among Women-Examining Differentials on Social Axes”, Review Article *Indian J Med Res* 148 (Supplement), December, 2018, pp 27-
- **Guite. N.**, “Tribal Local Self-Governance: A Study of Kuki Village Council in Churachandpur, Manipur”, *Journal of Rural Development*, National Institute of Rural Development and Panchayati Raj, Hyderabad, India (in Archives for 2019 Issue).
- **Reddy, Sunita**, “Defining Disasters -A Social Science Perspective” *Geography and You*, 16 September, 2018
- **Reddy, Sunita**, “Importance of Folk Healers in Primary Health Care: Need for recognition and Support”, *Sikkim Express*, 4 March, 2019
- **Reddy, Sunita**, “Importance of Folk Healers” *Sikkim Times*, 5 March, 2019
- Priya R, Gaitonde R, Gandhi M P, Sarkar A, Das S, **Ghodajkar P.**, The Alma-Ata Declaration and its Elements for a PHC 2.0.”, *Medico Friend Circle Bulletin*, 2019, 380: 1-8
- Gaitonde R, Priya R, Sarkar A, Das S, **Ghodajkar P.**, “Gandhi M P. Some Thoughts on Health for All: The Rationale for Engaging with the Politics of Knowledge”, *Medico Friend Circle Bulletin*, 2019, 380: 9-15
- **Ghodajkar P.**, Das S, Sarkar A, Gandhi M P, Gaitonde R, Priya R., “Towards Re-Framing Operation Design for HFA 2.0: Factoring in Politics of Knowledge in Health Systems,” *Medico Friend Circle Bulletin*, 2019, 380: 16-25.
- **Vikas Bajpai**, “National Health Policy, 2017: Revealing Public Health Chicanery”, *Economic and Political Weekly*, 2018; Vol. 53 (28): 31-35.
- Zakir Husain Centre for Educational Studies: (08)**
- **Choudhury, Pradeep Kumar**, “Student assessment of quality of engineering education in India: evidence from a field survey”, *Quality Assurance in Education*, 27 (1): 103-126, (2019)
- **Choudhury, Pradeep Kumar**, “Computer science skills across China, India, Russia, and the United States”, *PNAS, National Academy of Sciences*, 116 (14): 6732-6736 (co-authored), 2019
- **Raina, Dhruv**, “Remembering Debiprasad Chattopadhyaya’s Contribution to the History of Philosophical Thought and Scientific Ideas on His Birth Centenary”, *Dialogue: Science, Scientists and Society*, December, 2018, DOI: 10.29195/ DSSS.01.01.0015
- **Panda, Minati**, Reification of collective victimhood: Dalit narratives, social repositioning and transformation. *Psychology and developing society* (Special Issue on “Relative Deprivation and Collective Victimhood”), Vol. 31, No. 1. pp. 1-33 (Co-authored), 2019
- 344**
- **Panda, Minati**, Multilingualism and multiliteracy in primary education in India: A discussion of some methodological challenges of an interdisciplinary research project. *Research in Comparative and International Education (Special Issue on Learning Outcome)*. Vol. 14, No. 1 (Co-authored with Aparna Vyas), 2019
- **Rao, S. Srinivasa**, “Max Weber’s Contribution to the Sociology of Education: A Critical Appreciation”, *Contemporary Education Dialogue*, A Sage Journal, Volume 15, number 1, pp. 73 - 92 (Co-authored), 2018
- **Rao, S. Srinivasa**, (Invited Article). “Social Change among SCs and STs”, *Yojana*, Volume 62, August issue, pp. 23-25 (Co-authored), 2018
- **Rao, Parimala V.**, “Colonial State as New Manu: Explorations in Educational Policies in Relation to Dalit and Low Caste Education in the Nineteenth Century India”, *Contemporary Education Dialogue*, 16 (1): 84-107, 2019
- Centre for Studies in Science Policy: (16)**
- **Bhaduri, S.**, Pharmaceutical Industry in the Global South: Introduction to Special Issue. *Science, Technology and Society*, 2018, 23(3), vii–viii.

- **Bhaduri, S.**, & Arya, A., Technological capabilities in the Indian Ayurveda medicine industry: Lessons for 'industrialisation' of alternative medicine in the post-WTO regime, *African Journal of Science, Technology, Innovation and Development*, 2018, 10(3), 287-298.
- **Bhaduri, S.**, & Kipgen, T., "'New Drugs', Approvals in India: An Institutional Perspective". *Science, Technology and Society*, 2018, 23(3), 444-462.
- **Bhaduri, S.**, & Prajapati, V.N., "Human Values in Disposing the Dead: An Inquiry into Cremation Technology", *Journal of Human Values*, 2019, 25(1), 52-65.
- **Bhaduri, S.**, Ferreiro, M. D. F., Sheikh, F. A., Reidolf, M., & de Sousa, C., "Tradition and innovation: Between dynamics and tensions". *African Journal of Science, Technology, Innovation and Development*, 2019, pp.1-10.
- **Govind, M.**, "Breaking the Silo: Integrated Science Education in India (Book Review)," *Sociological Bulletin*, 2019, 68(1), 118-120.
- **Govind, M.**, & Borthakur, A., "Computer and mobile phone waste in urban India: an analysis from the perspectives of public perception, consumption and disposal behavior", *Journal of Environmental Planning and Management*, 2018, 1-24.
- **Govind, M.**, & Borthakur, A., "Management of the Challenges of Electronic Waste in India: an analysis". *Proceedings of the Institutions of Civil Engineering-Waste and Resource Management*, 2018, DOI: 10.1680/jwarm.17.00035.
- **Govind, M.**, & Borthakur, A., "Public understandings of E-waste and its disposal in urban India: From a review towards a conceptual framework". *Journal of Cleaner Production*, 2018, 172, 1053-1066.
- **Govind, M.**, & Yusuff, A.U., "A Scientometric Analysis of the output and Impact Quality of Science, Technology Publication from Nigeria's Tertiary Institutions," *Journal of Information Science, Systems and Technology*, 2018, 2(2), 1-13.
- **Quet, M.**, Dumoulin Kervran, D., & Kleiche-Dray, M., "Going South, How STS could think science in and with the South?" *Tapuya: Latin American Science, Technology and Society*, 2018, 1(1), 280-305.
- **Das, A.K.**, Delhi Declaration on Open Access 2018: An Overview. *Annals of Library and Information Studies*, 2018, 65(1), 83-84.
- **Das, A.K.**, "European Union's General Data Protection Regulation, 2018: A Brief Overview", *Annals of Library and Information Studies*, 2018, 65(2): 139-40.
- **Das, A.K.**, "Research Integrity in the Context of Responsible Research and Innovation Framework", *DESIDOC Journal of Library & Information Technology*, 2019, 39(2): 82-86.
- **Das, A.K.**, Borthakur, A., "India LICS International Conference 2017: A Report of Special Sessions", *Journal of Scientometric Research*, 2018, 7(1), 75-78.
- **Das, A.K.**, Patra, Swapan Kumar, "Finding Facets of Academic Integrity and Plagiarism through the Prism of a Citation Database," *DESIDOC Journal of Library & Information Technology*, 2019, 39(2): 60-66.

Centre for Philosophy: (07)

- **Puri, Bindu**, "Responding to Isaiah Berlin: Tagore and the Consciousness of Nationality", in *Aligarh Journal of Philosophy*, Issue number 3, 29 March, 2019, Department of Philosophy Aligarh Muslim University, pp 31-57.

345

- **Singh, R.P.**, "Quest for Method in Greek Philosophy: Logos, Dialogos, Questioning and Skepsis", *Journal of Arts, Culture, Philosophy, Religion, Language and Literature*, Volume 2, Issue 2, May – August, 2018, New Delhi, Krishi Sanskriti Publications, pp. 1-5, (e-ISSN:2457-0346).
- **Singh, R.P.**, "Tradition of Questioning as Educational Enquiry in Upanishads: A Philosophical Reflection", in *Vedic Traditions for Education and Learning*, Proceedings of WAVES2018, Dallas, Texas, USA, pp.89-96. ISBN: 978-81-7702-431-0., 2 – 6 August, 2018
- **Singh, R.P.**, "Methodological Interface between Upanishads and Greek Philosophy", *Journal of Arts, Culture, Philosophy, Religion, Language and Literature*, New Delhi, Krishi Sanskriti Publications, 2018, pp. 1-5. (E-ISSN: 2457-0346).
- **Singh, R.P.**, "Secularism: Conceptual and Cross Cultural Analysis", *Journal of Arts, Culture, Philosophy, Religion, Language and Literature*, Conference Proceedings, New Delhi, Krishi Sanskriti Publications, February, 2019, pp. 1- 4. (ISSN:978-93-85822-82-7).
- **Neog, Bhaskarjit**, An editorial titled "Norms, Values, and Human Conditions: An Introduction", for a special journal issue on "Norms, Values and Human Condition" in *Journal of Human Values*, Vol. 25, Issue 1, January, 2019, Sage.
- **Neog, Bhaskarjit**, Edited a special issue Norms, Values and Human Condition in *Journal of Human Values*, Sage, 2018. Vol. 25, Issue 1, January, 2019, Sage.

Centre for Informal Sector and Labour Studies: (04)

- **Mehrotra Santosh**, "Towards Higher Female Labour Force Participation in India", Centre for Sustainable Employment, Azim Premji University, Bangalore, December, 2018

- Mehrotra, Santosh, "From Informal to Formal: A Meta Analysis of what Triggers the Conversion in Asia", International Labour Organization, Geneva, March, 2019
- Prasad, Archana, "The Ethnological Notebooks of Karl Marx: Some Methodological Reflections", *Marxist*, July –September, 2018, Volume XXXIV Number 3, p. 53-67.
- Behera Minaketan, Educational Access for Particularly Vulnerable Tribals Groups: A Case Study from Odisha, *The Indian Economic Journal*, Conference Volume, 2018, PP-90-97, ISSN: 00194662.

Group of Adult Education: (01)

- Paul, M. C., "Education and Skill Development for Women Empowerment: A Case Study of Two NGOs in New Delhi", in *Journals of Indian Education (ISSN: 0377-0435)*, February, 2019 (with Prachi Sinha).

Centre for Women's Studies: (04)

- Singh Lata, "Gender, caste and cultural politics of the nation: Women of tamasha and nautanki' in *Journal Rivista Degli Studi Orientali, Nuova Serie, Volume XCI, PISA, ROMA, 2018*
- Roy Mallarika Sinha, "Inside/out: women's movement and women in movements", *South Asian History and Culture*, Vol. 9, Issue 4, 2018: 420-434.
- Mokkil Navaneetha, "Anxieties of Seeing: The Sensational World of Cinema, Digital Media and Politics", *BioScope* 9 (2): 165-183, 2019
- Mokkil Navaneetha, "Visual Practices, Affect, and the Body: The Story of a Night-Vigil in Kerala, India." *Women's Studies Quarterly* 46 (3-4): 158-174, 2018

Books: (36)

Centre for the Study of Social Systems: (03)

- Chaudhuri Maitrayee, and Manish Thakur co-edited *Doing Theory: Locations, Hierarchies and Disjunctions* (Orient Blackswan, Hyderabad, 2018).
- Chaudhuri Maitrayee, *Feminism in India* (ed.), 5th Reprint. Delhi, Women Unlimited, 2018.
- Kumar Vivek, Edited volume: (Ed.) *Dr. Bhimrao Ambedkar: Samagra Addhyayan (in Hindi)*. Manak Publications Pvt. Ltd., Delhi, 2019

346

Centre for the Study of Regional Development: (03)

- Chaudhary Bikramaditya K., *City, Space and Governance in Global South*, (Co-edited with Arun K Singh and Digant K Das), Manohar Publishers, Delhi, 2019
- Zutshi Bupinder, Ahmad Akbaruddin, Srungarapati, Ananda Babu, *Disaster Risk Reduction Community Resilience and Responses*, Palgrave-Macmillam- 2019
- Punia, M., Singh, A., Haran, N.P. and Singh, T.B. (Eds.), *Development and Disaster Management A Study of the Northeastern States of India*. Palgrave, 2018

Centre for Historical Studies: (09)

- Atwal Jyoti, and Iris Flessenkämper (eds), *Gender and Violence in Historical and Contemporary Perspectives: Situating India*, London, Routledge, 2019
- Chakrabarti Kunal, and Kanad Sinha (eds.), *State, Power and Legitimacy: The Gupta Kingdom*, Primus Books, Delhi, 20019
- Pachuau, Joy LK., and Neeladri Bhattacharya (eds), *Landscape Culture and Belonging: Writing the History of Northeast India*, Cambridge University Press, New Delhi, 2019
- Guite Jangkhomang, *Against State, Against History: Freedom, Resistance and Statelessness in Upland Northeast India*, Oxford University Press, 2018
- Guite Jangkhomang, *The Anglo-Kuki War 1917-1919: A Frontier Uprising Against Imperialism during the First World War* (co-edited with Thongkholal Haokip), Routledge, September, 2018
- Malekandathil Pius, *Pius Malekandathil, Lotika Varadarajan and Amar Farooqui(ed.), India, the Portuguese and Maritime Interactions: Vol.I, Science, Economy and Urbanity*, Primus, New Delhi, 2019, pp.613
- Malekandathil Pius, *Pius Malekandathil, Lotika Varadarajan and Amar Farooqui (eds.), India, the Portuguese and Maritime Interactions: Vol.II, Religion and Language and Cultural Expressions*, Primus, New Delhi, 2019, pp.712
- Kaul Shonaleeka, *The Making of Early Kashmir, Landscape and Identity in the Rajatarangini*, Oxford University Press, Delhi, 2018
- Roy Kumkum, *Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar*, (co-edited, with Naina Dayal), Aleph, New Delhi, 2019

Centre for Political Studies: (10)

- Gudavarthy Ajay, *Bharat Mein Rajneetik Andolano Ka Samakaleen Itihas*, Sage, Delhi, 2018
- Gudavarthy Ajay, *India after Modi: Populism and the Right*, Bloomsbury, Delhi, 2018
- Jha Shefali, *Western Political Thought: From the Ancient Greeks to Modern Times*, 2nd edn, Noida: Pearson, 2018
- Bijukumar, V., *Parties and Electoral Politics in Northeast India: Contention of Ethno-regionalism and Hindu Nationalism*, Kalpaz, New Delhi, 2019

Edited Books/Articles in Journals

- **Gudavarthy Ajay**, “How the BJP appropriated the Idea of Equality and Produced a Divided India,” EPW, Engage, Vol. 53, Issue No. 17, 28 April, 2018
- **Gudavarthy Ajay**, “Populism and Class Politics: A Conversation with Emily Welty on the Occupy Wall Street Movement”, *Kairos: A Journal of Critical Symposium*, Vol 3, No 1 (2018): Open Issue.
- **Kanungo, Pralay**, (co-edited with Irfan Ahmad), *The Algebra of Warfare-Welfare: A Long View of India's 2014 Election*, Delhi: Oxford University Press, 2019.
- **Bijukumar, V.**, “Social Justice in Contemporary India: Receptivity of Recognition and Redistribution”, in C. Joshua Thomas and PadmakshiKakoti (eds.), *Towards Social Justice*, New Delhi: Pentagon Press, 2018, pp. 30-44.
- **Verma Vidhu**, *The Empire of Disgust: Prejudice, Discrimination and Policy in India and the US*. (co-edited with Martha Nussbaum, Zoya Hasan, and A. Aziz), New Delhi, 2018
- **Verma Vidhu** (ed.), *The State in India: Ideas, Norms and Politics*. New Delhi, Orient Blackswan. 2018a. 347

Centre of Social Medicine and Community Health: (03)

- Kapilashrami, A and **Baru R.**, *Global Health Governance and Commercialisation of Public Health in India: Actors, Institutions and the dialectics of Global and Local*, Routledge/Edinburgh South Asia Series, CRC Press, 20 August, 2018
- **Acharya, Sanghmitra S.**, Health, Safety and Well-Being of Workers in the Informal Sector in India-Lessons for Emerging Economies, (Co-edited with Sigamani Panneer and Sivakami N.), Springer, Amsterdam, 2019
- **Reddy, Sunita (Ed.)**, “Humanitarian Aid and The Asian Tsunami”, Springer, 2018

Zakir Husain Centre for Educational Studies: (03)

- **Chattopadhyay, Saumen**, *Macroeconomics of the Black Economy*, Orient Black Swan Hyderabad, 2018
- **Raina, Dhruv**, *From Colonial Science to Mega-Science: The Politics of Scientific Knowledge in South Asia*, *Lecture Series: Challenges before Indian Society*, Govind Ballabh Pant Social Science Institute, Allahabad, 2018
- **Panda, M.**, *A Sociolinguistic Survey of Barwani District, Madhya Pradesh*. New Delhi: Room to Read. pp. 1-176, 2018

Centre for Informal Sector and Labour Studies: (01)

- **Mehrotra, Santosh** (ed.), *Vikas se HaaregaNaxalvaad*, Sage Publications, New Delhi, 2019

Centre for Women's Studies: (04)

- **Roy Mallarika Sinha**, Mohammad A. Quayum and Md. Mahmudul Hasan (eds), 2017, *A feminist foremother:critical essays on Rokeya Sakhawat Hossain*, *South Asian History and Culture*, 10(1): 101-104, 2019, ISSN: 1947- 2501, 1947-2498
- **Roy Mallarika Sinha**, Himika Bhattacharya, 2017, *Narrating Love and Violence: Women Contesting Caste, Tribe, and State in Lahaul, India*, *Contributions to Indian Sociology*, 53(1): 217–246, 2019
- **Roy Mallarika Sinha**, Debarati Sen, 2018, *Everyday Sustainability: Gender Justice And Fair Trade Tea*
In Darjeeling, The Book Review, 43(2): 17-19, 2019

- **Bora Papori**, Mélanie Vandenhelsken, Meenaxi Barkataki-Ruscheweyh and Bengt G. Karlsson, eds. 2018. Geographies of Difference: Explorations in Northeast Indian Studies." *Contributions to Indian Sociology*, Vol. 53, Issue 1 (2019): 241-243. [<https://doi.org/10.1177%2F0069966718805176>]

Chapters in Books: (116)

Centre for Informal Sector and Labour Studies: (03)

- **Mehrotra, Santosh**, “From the informal to the formal economy: Skills Initiatives in India”, in A. Sakamoto and J. Sung eds, *Skills and the future of Work*, International Labour Organization, Bangkok, 2018
- **Prasad, Archana**, “Making Resistance: Narratives of Communist Led Agrarian Movements in Contemporary India”, in Savyasaachi eds, *Intractable Conflicts in Contemporary India: Narratives and Social Movements*, Routledge, 2018, pp.154-174.
- **Prasad, Archana**, (Co Authored with Praveen Jha), “The Scramble for Africa’s Agricultural Land: A Note on India’s Excursus in Sam Moyo,” Praveen Jha and Paris Yeros eds., *Reclaiming Africa: Scramble and Resistance in the 21st Century*, Springer, 2019, pp. 73-92.

Centre for Economic Studies and Planning: (01)

- **Dastidar, Krishnendu Ghosh**, “Auctions with Inferior outside options in Economic Theory and Policy Amidst Global Discontent”, Eds. A. G. Dastidar, R. Malhotra and V. Suneja, Routledge, New Delhi, 2018 348

Centre for the Study of Social Systems: (11)

- **Oommen T.K.**, “Dalits are not Merely Subaltern: The Need for a Different Perspective”, in A.K.Pankaj and A.K. Pandey (eds.), *Subalternity and Social Change in India*, Routledge, London, and New York, 2019, pp. 29-48
 - **Oommen T.K.**, “On Studying Elections and Democracy”, in Irfan Ahmad and Pralay Kanungo (eds.), *The Algebra of Warfare-Welfare: A Long View of India’s 2014 Election*, Oxford University Press, New Delhi, 2019 (An Interview with R. Thirunavukkarasn), pp. 334-356.
 - **Oommen T.K.**, “Identity, Assertion and Contexts of Conflicts in South Asia”, in *Identities in South Asia: Conflicts and Assertions*, Vivek Sachdeva, Queeny Pradhan and Anu Veenugopalan (eds.), Routledge, London.
 - **Visvanathan Susan**, “The Youth Budge”, in Niraja Gopal Jayal led. *Re-forming India: The Nation Today*. Penguin Random House, , pp. 435-451, 2019
 - **Visvanathan Susan**, “Villages and Villagers in Contemporary India”, in *Critical Themes in Indian Sociology*eds, Sanjay Srivastava, Yasmeen Arif and Janaki Abraham, New Delhi: Sage Publications pp. 77-92. 2019
 - **Sujatha, V.**, “Beyond Medical Pluralism. Medicine, power and social legitimacy in India”, in Sanjay Srivastava et al. (Eds.) *Critical Themes in Indian Cociology*, New Delhi: Sage Publications, pp. 433-449, 2018
 - **Mehrotra Nilika**, “Gendered Understanding of Disability and Aging: A North Indian Context in *Handbook of Research on Multiple Perspectives on Gender and Aging* by Rekha Pande and Theo van der Wiede (eds), IGI Global, 2018, pp 241-253.
 - **Kumar Vivek**, “Dalit Assertion and Different Shades of Movements: Defining Dalits from Accorded Nomenclature to Asserted One”, in Vivek Sachdeva, Queeny Pradhan and Anu Venugopalan (eds.), *Identities in South Asia: Conflicts and Assertions*, Routledge India, UK., 2019
 - **Fazal Tanweer**, “Theorising the nation-state: hegemonic discourses and counter-narratives”, in Maitrayee Chaudhuri and Manish Thakur eds., *Doing Theory: Locations, Hierarchies and Disjunctions*, Delhi: Orient- Blackswan, 2018
 - **Fazal Tanweer**, The Question of Loyalty: Minorities and South Asian Nationalisms, in Vivek Sachdeva et al. eds, *Identities in South Asia. Conflicts and Assertions*, London: Routledge, 2019
 - **Kumar Ratheesh**, “Theorising Experience: On Critical Pedagogy and the Subject Matter of Caste”, in Maitrayee Chaudhuri and Manish Thakur (eds). *Doing Theory: Locations, Hierarchies and Disjunctures*, New Delhi: Orient Blackswan, 2018
- Centre for the Study of Regional Development: (24)**
- **Dubey, Amaresh**, “Poverty and Inequality: A Disaggregated Analysis”, (with Shivakar Tiwari) in Rajendra P Mamgain (Ed). *Growth, Disparities and Inclusive Development in India: Perspectives from the Indian State of Uttar Pradesh*, Springer, Pp. 133-153, 2019
 - **Das Bhaswati**, *Migration in Response to Environmental Change: A Risk Perception Study from Sundarban Biosphere Reserve* jointly with Avijit Mistri in S. Irudaya Rajan and R.B.Bhagat (Eds), *Climate Change, Vulnerability and Migration*, Routledge India, Delhi, 2018
 - **Choudhary Bikramaditya K.**, “Reconfiguring Urban Space: Loss of Green Space in Varanasi”, in B. K. Choudhary, K. Singh and Digant Das (eds.) *City, Space and Governance in Global South*, Manohar Publications: 2019 (Co-authored with Rakesh Arya)
 - **Choudhary Bikramaditya K.**, “Jawaharlal Nehru National Urban Renewal Mission (JNNURM)”, In A. M. Orum (Ed.) *The Wiley Blackwell Encyclopedia of Urban and Regional Studies*, doi:10.1002/9781118568446. eurs0167
 - **Choudhary Bikramaditya K.**, “Does Space Matter in Electoral Democracy: Analyzing the Mother Ganges”, Call to the BJP’s Prime Ministerial Candidate in Irfan Ahmad and Pralay Kanungo (eds.), *The Algebra of Warfare-Welfare: A Long View of India’s 2014 Election*, OUP, Delhi, 2019
 - **Choudhary Bikramaditya K.**, From ‘Rural’ to ‘Urban’ India: Transforming a Nation’s Identity through Serial Urban Renewals (co-authored with Digant K Das), in A. C. Diener and J. S. Hanges (edited) *The City as Power: Urban Space, Place, and National Identity*, Rowman & Littlefield Publishers, 2018
 - **Zutshi Bupinder**, “Mapping Vulnerable Earthquake Disaster Class-I Cities for Disaster Risk Reduction and Community Resilience in India”, in *Disaster Risk Reduction Community Resilience and Responses*, edited by Zutshi Bupinder, Ahmad Akbaruddin, Srungarapati, Ananda Babu, Palgrave, Macmillan, 2019, pp 75-93
 - **Zutshi Bupinder**, “Manipur Floods, 2015: Preparedness and Disaster Risk Reduction Strategies” in *Development and Disaster Management: A Study of the Northeastern Sates of India*, Edited by Singh,A, Punia, M., Haran, N.P., Singh, T.B., Palgrave, Macmillan, 2018, pp 65-81

349

- **Mishra Deepak K.**, Review of “Women Workers in Urban India”, edited by Saraswati Raju and Santosh Jatrana, Cambridge University Press, Delhi, 2016, *Indian Journal of Labour Economics*60(3):521-525, 2018

- **Kannan Elumalai**, “Determinants of Adoption of Soil Nutrient Management Technology by Paddy Farmers in Karnataka”, In: Niti Mehta and Anita Arya (Eds.), *Role of Public Policy in Development process: Emerging Socioeconomic Scenario in the Indian Economy*, Academic Foundation, New Delhi, 2018, pp. 137-153
- **Kannan Elumalai**, “Assessment of Pre- and Post- Harvest Losses of Important Crops in India”, In: Sageeta Verma and P. C. Podh (Eds.), *Glimpses of Indian Agriculture*, Oxford University Press, New Delhi, 2018, pp. 297- 303
- **Kannan Elumalai**, “Determinants of Stagnation in Productivity of Important Crops in India”, In: Sageeta Verma and P. C. Podh (Eds.), *Glimpses of Indian Agriculture*, Oxford University Press, New Delhi, 2018, pp.498-506.
- **Chowdhury Indrani Roy**, *Public-Private Partnerships: Demand Risk and Collusion*, with P.R. Chowdhury, in *Economics, Management and Sustainability: Essays in honour of Prof Anup Sinha*, by Anindya Sen, Partha Ray, Runa Sarkar (Eds.), pp 53-64, Springer Publications, 2018,
- **Chowdhury Indrani Roy** (Ed), *Intermediate Microeconomics I*, for the Undergraduate Economics Major Programme at IGNOU, January, 2019
- **Pani Padmini**, “Application of Remote Sensing and GIS in Understanding Channel Confluence Morphology of Barakar River in Western Most Fringe of Lower Ganga Basin”, In: B.C. Das et al. (eds.) *Quaternary Geomorphology in India-Case Studies from the Lower Ganga Basin*, Springer International, 2018, DOI <http://www.springer.com/in/book/9783319904269> (with S. S. Biswas).
- **Bathla Seema**, “Productivity in Food Processing Industry under varying Trade Regimes: Analysis across the Indian States”, in Arup Mitra (ed.), *Economic Growth in India: its various Dimensions (Essays in Honour of Prof. B.B. Bhattacharya)*, Orient BlackSwan, Hyderabad, 2018
- **Bathla Seema**, “Public and Private Capital Formation in Agriculture and Contribution of Institutional Credit” (with Shivjee) in R.P. Mangain (Ed), *Growth, Disparities and Inclusive Development in India: Perspectives from Uttar Pradesh*, Springer, 2019
- **Bathla Seema**, “Income Inequalities among Agricultural Households in India” (with Anjani Kumar) in T. Haque (ed.), *India Social Development Report 2018*, Oxford University Press, 2019
- **Sreekesh S.**, “Elemental Geochemistry of Subsurface Sediments of Lower Baitarani Basin, East Coast of India: Implications for Paleoredox Condition”. In Doronzo, O. M., Schingaro, E., Armstrong-Altrin, J.S., and Zoheir, B.(Eds.) 2019. Edited. *Petrogenesis and Exploration of the Earth’s Interior*, Springer, doi.org/10.1007/978-3-030- 01575-6_35 (Print ISBN: 978-3-030-01574-9) (Along with Uzma Parveen)
- **Sreekesh S.**, “Characterization of emission from open-field burning of crop residue during harvesting period in north-west India.” *Environment Monitoring and Assessment* 190: 663. doi.org/10.1007/s10661-018-6999-2. 2018. (Along with Acharya P., Kulshrestha, Umesh and Gupta, Gyan)
- **Sen Sucharita**, *Women as Change-makers in the Governance of Shared Water*, with I. Fauconnier, Jenniskens, P. Perry, S. Fanaian, V. Sinha, and L. Witmer, Gland, Switzerland, IUCN, 2018
- **Sen Sucharita**, *Water Security in Peri-Urban Hyderabad: Policy Brief*, with Anshika John, SaciWATERS, 2018 submitted to Government of Telangana.
- **Sen Sucharita**, “Water Security in Peri-Urban Hyderabad”, May, Report 2018/1, with Anshika John, Manoj Jatav, Suchita Jain, Shreya Chakraborty, SaciWATERS, 2018
- **Sen Sucharita**, “Genderscape of Brahmaputra River: An Exploratory Exposition’, Report 2018/2, SaciWATERS, 2018

Centre for Historical Studies: (33)

- **Atwal Jyoti**, “Introduction: Situating India Challenges and Propositions”, and “Sati, child wives, and prostitutes: constituting violence and criminality in colonial India”, in Jyoti Atwal and Iris Flessenkämper (edited), *Gender and Violence in Historical and Contemporary Perspectives : Situating India* , London: Routledge, 2019
- **Atwal Jyoti**, “Women, Violence and Portuguese Identity in the Seventeenth-century European Narratives”, in Pius Malekandathil, Lotika Varadarajan and Amar Farooqui (eds), *India, the Portuguese and Maritime Interactions*, Primus, New Delhi, 2019, pp. 264-276.
- **Chakrabarti Kunal**, “Of Mouse and Other Ancestors: Retrieving History from the Puranas”, in Kumkum Roy and Naina Dayal (eds.), *Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar*, Aleph Book, Co., 2019
- **Chakrabarti Kunal**, “Brahmanical Hegemony and the Oppressed Social Groups: Rethinking the ‘Kaivartta Revolt’”, in Osmund Bopearachchi and Suchandra Ghosh (eds.), *Early Indian History and Beyond: Essays in Honour of B. D. Chattopadhyaya*, Primus Books, Delhi, 2019
- **Cleetus Burton**, “Western science, indigenous medicine and the princely states: The case of Ayurvedic reorganization in Travancore, 1870–1940”, in Biswamoy Pati and Mark Harrison eds. *Society medicine and politics in colonial India*, Routledge, 2019
- **Datta Rajat**, “Subsistence Crises and Economic History: A Study of Eighteenth Century Bengal”, in Ayesha Mukherjee (ed), *Cultural History of Famine, Food Security and the Environment in India and Britain in India and Britain*, London, Routledge, 2019.

- **Datta Rajat**, “Adi Adhunik Bharat: Rajnaytik Orthonitir ek Byakhyan”, (in Bengali), *Itihas Anusondhan*, vol. 33, Ranjit Sen (ed.), *Paschim Banga Itihas Samsad*, Kolkata, 2019
- **Dutta Ranjeeta**, “Re-visiting Eyewitness Accounts, Historiography and History: Domingo Paes, Fernao Nuniz and Religion and Politics in Vijayanagara”, in Pius Malekandathil, Lotika Vardarajan and Amar Farooqi (eds.), *India, The Portuguese and Maritime Interactions, Vol. II*, New Delhi, Primus, 2019, pp.192-214
- **Dutta Ranjeeta**, *Identity, Community and State, The Jains under the Mughals* by Shalin Jain, New Delhi, Primus, 2017 in *The Book Review*, July, 2018. pp. 6-7
- **Dutta Ranjeeta**, *Rebel Sultans: The Deccan from Khilji to Shivaji* by Manu S. Pillai, New Delhi, Juggernaut, 2018 in *The Hindu*, 15 September, 2018
- **Datta Nonica**, “Honoured Mother and ‘Honour’ Killing: Ammaji in NH10 (2015)”, in Saswati Sengupta et al. (Eds): *‘Bad’ Women of Bombay Films*, Palgrave Macmillan, 2019
- **Datta Nonica**, “A Conspiracy that Stirred A Nation’s Consciousness”, in Rajesh Ramachandran (Ed.), *Martyrdom to Freedom: 100 Years of Jallianwala Bagh*, Rupa, Delhi, 2019)
- **Prasad Birendra Nath**, “The Social Bases of Patronage to the Vikramaśilā Mahāvihāra: An Epigraphic Enquiry”, in S. Nag & Ishrat Alam (eds), *Blending the Nation and the Region: Essays in Memory of Late Professor Amalendu Guha*, Primus Books, Delhi, 2018, pp. 310-324
- **Prasad Birendra Nath**, “A Viṣṇu Temple and Its Social Linkages in 11th – 12th Century A.D. Comilla, Bangladesh: A Study in Some Copper-Plate Inscriptions”, in D.P. Dubey (ed.), *Epigraphic Studies: Select Paper from the Panel on Epigraphy* at the 16th World Sanskrit Conference, 28 June – 2 July, 2015, Bangkok, Thailand, D.K. Printworld, Delhi, 2018, pp.139-148
- **Singha Radhika**, “India’s silver bullets: war loans and war propaganda, 1917-18”, in Maartje Abbenhuis, Kingsley Baird, Neill Atkinson and Gail Romano (eds) *The Myriad Legacies of 1917: a year of war and revolution*, Palgrave- Macmillan, Chapter five, Asia-Pacific, Online: 26 April, 2018 (ISBN978-3-319-73685-)
- **Pachau, Joy L.K.**, and Neeladri Bhattacharya, Introduction in Pachau, Joy L.K. and Neeladri Bhattacharya (eds), *Landscape Culture and Belonging: Writing the history of Northeast India*, Cambridge University Press, New Delhi, 2019
- **Pachau, Joy L.K.**, Why do people convert? In Pachau, Joy L.K. and Neeladri Bhattacharya (eds), *Landscape Culture and Belonging: Writing the history of Northeast India*, Cambridge University Press, New Delhi, 2019
- **Guite Jangkhomang**, “Marginalized Ethnicity: Colonial State and Ethnogenesis in India’s North-East”, in Sajal Nag & Ishrat Alam (eds.), *Blending Nation and Region: Essays in Honour of Late Professor Amalendu Guha*, Delhi: Primus Books, 2018, pp. 384-425
- **Guite Jangkhomang**, “Introduction”, in J. Guite & T. Haokip (eds), *The Anglo-Kuki War 1917-1919: A Frontier Uprising Against Imperialism during the First World War*, New Delhi, Routledge, September, 2018, pp. 1-33
- **Guite Jangkhomang**, “‘Fighting the white men till the last bullet’: the general course of the Anglo-Kuki War”, in J. Guite & T. Haokip (eds), *The Anglo-Kuki War 1917-1919: A Frontier Uprising Against Imperialism during the First World War*, New Delhi, Routledge, September, pp.37-90
- **Mahalakshmi R.**, “Are Appearances Deceptive? Interrogating the Presence of the Brahmanical Goddess in Early Medieval Chotanagpur”, in Osmund Boppearachchi and Suchandra Ghosh (Eds.), *Early Indian History and Beyond*, Primus, Delhi, 2019, pp. 291-312
- **Mahalakshmi R.**, “From Gentoo to Hindoo: Ziegenbalg’s Genealogy of Hindu Gods and Goddesses”, in Pius Malekandathil, Lotika Vardarajan and Amar Farooqui (eds.), *India, the Portuguese, and Maritime Interactions, Vol. II, Religion, Language and Cultural Expressions*, Primus, Delhi, 2019, pp. 143-58
- **Mahalakshmi R.**, “Transitions in Early Tamilakam: Gender and Religion”, in Radhika Seshan and Shraddha Kambhojkar (eds.), *Re-searching Transitions in Early Indian History*, Routledge, Delhi, 2018, chapter 5.
- **Roy Kumkum**, Introduction to Snigdha Singh, Shatarupa Bhattacharya, Shwetanshu Bhushan and Tara Sheemar, *Beyond the Woman Question: Reconstructing Gendered Identities in Early India*, New Delhi, Primus, 2018, pp. 1-17
- 351**
- **Roy Kumkum**, “The Unspoken Debate: Revisiting Mid-20th Century Conceptualizations of the Shudras in Bhairabi Prasad Sahu and KesavanVeluthat (eds), *History and Theory: The Study of State, Institutions and the Making of History*, Hyderabad, Orient Black Swan, 2019, pp. 65-83
- **Roy Kumkum**, “The Antelope, the Yak and Other Things: An Exploration of Banabhatta’s *Harsacarita*”, in Osmund Boppearachchi and Suchandra Ghosh (eds), *Early Indian History: Essays in Honour of B.D. Chattopadhyaya*, New Delhi, Primus Books, 2019, pp. 66-77
- **Roy Kumkum**, “Narratives of Conflict and Reconciliation”, in *The Idea of Culture*, Calcutta, The Seagull

Foundation for the Arts, 2018, pp. 149-174.

□ **Roy Kumkum**, Introduction (with Naina Dayal) to *Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar*, New Delhi, Aleph, 2019, pp.xiii- xxxi

□ **Roy Kumkum**, "Gathering Food for Thought: On the Textbook Trail", in Kumkum Roy and Naina Dayal (eds), *Questioning Paradigms, Constructing Histories, A Festschrift for Romila Thapar*, New Delhi, Aleph, 2019, pp. 411- 427

□ **Kaul Shonaleeka**, "Speaking of Matters Past: Critical Reflections on the Translation and Study of Kalhana's *Rajatarangini*", in Manu Devadevan, ed., *Clio and Her Descendants: Essays for Kesavan Veluthat*, Primus Books: Delhi, 2018

□ **Kaul Shonaleeka**, "Texts and Transitions: Early Indian Literature and the Problem of Historical Change", in Bhairabi Sahu and Kesavan Veluthat, eds., *History and Theory: Essays in Memory of R.S. Sharma*, ICHR and Orient Black Swan, 2018

□ **Kaul Shonaleeka**, "Historical Methods", in Arvind Sharma, ed, *Encyclopaedia of Indian Religions: Hinduism and Tribal Religions*, Springer, New York, 2018

□ **Kaul Shonaleeka**, "Kingship in Early Kashmir: New Perspectives from the *Rajatarangini*", in Osmund Boperachchi and Suchandra Ghosh, eds., *Indian History and Beyond*, Primus Books, Delhi, 2019

Centre for Political Studies: (09)

□ **Roy Anupama**, "B. R. Ambedkar and the Ideas of Constitutionalism and Constitutional Democracy", (co-authored), *Summerhill IAS Review*, Vol. XXIII, No. 2, Winter 2018, (ISSN: 0972-1452)

□ **Roy Anupama**, "Making Citizenship Familiar: 'Truth' Tales and the Partition Archives", in Janelle Reinelt and Bishnupriya Paul eds., *Gendered Citizenship: Performance and Manifestation*, Palgrave and Macmillan, New York, 2018

□ **Kanungo Pralay**, "Gurus and Hindu Nationalist Politics: The Baba Ramdev-BJP Partnership in the 2014 Elections", in Irfan Ahmad and Pralay Kanungo (eds.), *The Algebra of Warfare-Welfare: A Long View of India's 2014 Election*, Delhi: Oxford University Press, 2019

□ **Kanungo Pralay**, "Afterword", in Irfan Ahmad and Pralay Kanungo (eds.), *The Algebra of Warfare-Welfare: A Long View of India's 2014 Election*, Delhi: Oxford University Press, 2019

□ **Verma Vidhu**, "Gender and Anti-discrimination Laws in India: Modesty, Honour and Defiled bodies", in Hasan, Haq, Nussbaum and Verma (Eds). *Empire of Disgust. Prejudice, Discrimination and Policy in India and the US.*, New Delhi: (2018b) OUP, 104-126

□ **Verma Vidhu**, "Gender, Rights and the Justice Gap: Going beyond the Politics of Difference", in *Discourse on Rights in India: Debates and Dilemmas*, (eds). Bijayalakshmi Nanda and Nupur Ray, New York: Routledge, (2018c) 88-113

□ **Verma Vidhu**, "Introduction: The State in India: Contesting Perspectives, in *State in India: Ideas, Norms and Politics*, (ed), New Delhi, Orient Blackswan, (2018d) pp. 1-37

□ **Verma Vidhu**, "The State, Law and Multiple Legitimacies. A Case of Khap Panchayats", in *State in India: Ideas, Norms and Politics*, (ed), New Delhi, Orient Blackswan, (2018e) 117-45

□ **Verma Vidhu**, "State, Social Justice and Reservation Policies: Reframing the Debate", in *State in India: Ideas, Norms and Politics*, ed., New Delhi, Orient Blackswan, (2018f) 256-284

Centre of Social Medicine and Community Health: (11)

□ **Baru, R.**, Medical-Industrial Complex: Trends in Corporatization of Health Services in Prasad, P. and A. Jesani (Ed.), *Equity and Access- Health Care Studies*. New Delhi. Oxford University Press, 2018

352

□ **Priya R.**, and Ghodajkar P., "The Structural Basis of Corruption in Healthcare in India," in *Healers or Predators? Healthcare Corruption in India* Editors: Nundy S., Desiraju K., Nagral, S., Oxford University Press, 2018, New Delhi, pp. 3-43

□ **Priya R.**, "State, Community and Primary Health Care: Empowering or Disempowering Discourses?", in *Equity and Access: Health Care Studies in India*, Eds Prasad P.N. and Jesani A., Oxford University Press, 2018, New Delhi, pp. 25-49

□ **Acharya, Sanghmitra S.**, "Constitutional Provisions and Legal Safeguards for the Sanitation and Allied Workers in India: Examining the Safety Measures in Worksites" in "Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies", (eds. Sigamani Panneer, Sanghmitra S Acharya and Sivakami N) Springer, Amsterdam, 2019 (co-authored with Golak B Patra)

□ **Acharya, Sanghmitra S.**, "Health, Safety & Well-being of Sanitation Workers- Realities of Historical Exclusion and Livelihoods", in *Health, Safety and Well-Being of Workers in the Informal Sector in India-Lessons for Emerging Economies*, (eds. Sigamani Panneer, Sanghmitra S. Acharya and Sivakami N.) Springer. Amsterdam, 2019

□ **Acharya, Sanghmitra S.**, "Waste Management and Health of the Waste Workers – A study in Shimla City, Himachal Pradesh", in *Health, Safety and Well-Being of Workers in the Informal Sector in India-Lessons for Emerging Economies*, (eds. Sigamani Panneer, Sanghmitra S. Acharya and Sivakami N.), Springer, Amsterdam, 2019 (co-authored with Jagdev Chand Sharma).

- **Acharya, Sanghmitra S.**, “Structural and Social Factors and Functioning of Women Health Workers: An analysis of Frontline workers in a District of Uttar Pradesh”, in *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies*, (Co-edited with Sigamani Panneer and Sivakami N), Springer, Amsterdam, 2019 (co-authored with Sonia Verma).
- **Acharya, Sanghmitra S.**, “Dalits in Conservancy and Sanitation Works- Exploring the Connects Between Economic Reforms and their Health”, in T Brahmanandam (Ed.) *Dalit Issues-Class and Caste Interface*, Rawat Publications, New Delhi, 2018
- **Acharya, Sanghmitra S.**, “Access to Health Care among Women and Children in Odisha- Understanding Demographic and Socio-economic Correlates of Barriers”, Co-authored with Golak B Patra and Mala Mukherjee in Bidyut Mohanty (ed.) *Gender and Development in Odisha*, Taylor and Francis, 2018
- Priya R, **Ghodajkar P.**, “The Structural Basis of Corruption in Healthcare in India”, in *Healers Or Predators? Healthcare Corruption in India*. Eds. Samiran Nundy, Keshav Desiraju, and Sanjay Nagral, New Delhi, Oxford University Press, pp. 3-43, 2018
- **Sunita Reddy**, Bamdev Subedi, “Health and Disease among Indigenous Population: Epidemiology and Ethnomedicine”, in *Empirical Anthropology*, edited by Georg Peffer & Nibedita Nath, Concept Publication, New Delhi, 2018
- Zakir Husain Centre for Educational Studies: (10)**
- **Babu, Suresh G.S.**, “Social Implications of the Privatisation of Higher Education in India”, chapter in : *Issues and Themes in Contemporary Society*, edited by B.K. Nagla and Vinay Kumar Srivastava, Jaipur, Rawat, pp. 364-375, 2019.
- **Chattopadhyay, Saumen**, “Higher Education Policy in India during the Post liberalization Era”, (co-authored with Aishna Sharma), in *Higher Education in India and China select perspectives*, Ed., Sreemati Chakrabarti, Delhi, Aakar Books, 2018
- **Chattopadhyay, Saumen**, “Mode of Funding Higher Education and University Governance: A Critical Assessment of the Possibilities” in, *Higher Education in Emerging India: Problems, Policies and Perspectives* Ed., Abdul Salim, Delhi, Shipra Publications, 2018
- **Chattopadhyay, Saumen**, “Neoliberalism and Academic Freedom: The Emerging Scenario”, in *The Idea of a University*, Ed., Apoorvanand, Context, an imprint of Westland Publications Private Limited, Delhi, 2018
- **Raina, Dhruv**, “Revisiting Sri Aurobindo’s Ideas on Evolution and Historical Change”, in Binoy Pichalkkattu (Ed.), *Science-Religion Dialogue and its Contemporary Significance: Interdisciplinary Essays in Honour of Prof. Dr. Kuruvilla Pandikattu*, ATC Publishers: Bengaluru, 2018, pp. 79-99
- **Raina, Dhruv**, “After the Two Cultures Divide: Transdisciplinarity and the Shape of Things to Come”, in Kumkum Roy and Naina Dayal (Eds.), *Questioning Paradigms, Constructing Histories*, Aleph Books, 2019, pp. 365-380
- **Raina, Dhruv**, “The Importance of the History of Science”, in Tapanmohan Chakraborty (Ed.), *Acharya Satyendra Natha Basu Jeebano Kriti*, Banga Vigyna Parishad, 2019, pp. 321-33
- 353**
- **Raina, Dhruv**, “From Colonial Science to Mega-Science: The Politics of Scientific Knowledge in South Asia”, Lecture Series: Challenges before Indian Society, Govind Ballabh Pant Social Science Institute, Allahabad, 2018
- **Raina, Dhruv**, “The Vocation of Indigenous Knowledge and Sciences as Meta-concepts”, in Abu-Er-Rub, Laila, et. al, (Eds.), Routledge, London & New York, 2019, Pp. 277-290
- **Khadria, Binod**, (Jointly with Narender Thakur), “Gender Differentials of Indian Knowledge and Service Workers in the US Labour Market: A Comparative Analysis in the Context of ‘Age, Wage, and Vintage’ Premia”, Chapter 10 in Amba Pande, ed. *Women in the Indian Diaspora: Historical Narratives and Contemporary Challenges*, Springer, Singapore, 2018, pp. 119- 132
- Centre for Studies in Science Policy: (05)**
- **Bhaduri, S.**, “Policy Making for Innovation in the Informal Economy: Insights from National Innovation Foundation and Barefoot College of India”, Policy Perspective on Innovation and Sustainable Development (with Madhav Govind, and F.A. Shaikh), Eds. S. Bhattacharya, Y. Suman, T. Jamal, New Delhi, CSIR-NISTADS, 2018, ISBN 9781642047400
- **Govind, M.**, “Policy Making for Innovation in the Informal Economy: Insights from National Innovation Foundation and Barefoot College of India”, Policy Perspective on Innovation and Sustainable Development (with S. Bhaduri, and F.A. Shaikh), Eds. S. Bhattacharya, Y. Suman, T. Jamal. New Delhi, CSIR-NISTADS, 2018, ISBN 9781642047400
- **Govind, M.**, “Socialisation Experience of doctoral students in Indian Academia: do caste and class matter?”, *Dalits, Subalternity and Social Change in India*, Eds., A.K. Pankaj and A. K. Pandey, London, Routledge, 2019, 98-114, ISBN: 9781138352834

- **Das, A.K.**, “DORA Statement and Future of Research Assessment in India”, Cross-cutting Research in Social Sciences, Eds., S.K. Chaudhuri & P. Bhattacharya Maitra, Kolkata, UGC-Human Resource Development Centre, University of Calcutta, 2019
- **Das, A.K.**, “Open Science Movement, Its Global Transition, and Scenario in BRICS Nations”, Open Access: The Road to Freedom, Eds., N.C. Ghosh, P.S. Mukhopadhyay, B. Mukherjee & J.K. Pal, Kolkata, Prova Prakashani, 2018, ISBN 9789383658206

Centre for Philosophy: (05)

- **Puri, Bindu**, “Transforming Sacred Space into Shared Place: Re-interpreting Gandhi on Temple Entry”, in Peter D. Herschok and Roger T. Ames. (ed) *Philosophy of place: An Intercultural Conversation*, University of Hawaii Press, 2019.
- **Singh, R.P.**, “Vedic-Upanishadic Foundation of Science and Spirituality”, in *Scientific Aspects of Vedic Knowledge*, Dr. Shashi Tiwari (Editor), Delhi, Pratibha Prakashan, 2018, pp.205-214
- **Verma, Ajay**, Perception, Apperception and Understanding of the ‘Other’: A Phenomenological Appraisal of Nyāya, Buddhist and Advaitin Theory of Knowledge, in Problem of The Self: Consciousness, Subjectivity and the Other, Edited by Manidipa Sen, Aakar Books, 2018 pp. 100-120
- ‘Gettier Was Framed?’, co-authored with Edouard Machery, Stephen Stich, David Rose, **Smita Sirker**, et al., in *Epistemology for the Rest of the World*, eds. Stephen Stich, Masaharu Mizumoto, and Eric McCready, Oxford University Press, 2018
- **Smita Sirker**, “Being Moral and Being Religious”, in *Eternal India: Harmony and Peace*, eds. Kalyani Sarkar and Sweta Guha, Bijoy Krishna Girls’ College and Avenel Press, Kolkata, 2018

Centre For Media Studies: (02)

- **Batabyal Rakesh**, Unit 10: Communalism. IGNOU B.A. Hons. This falls under the broad theme of Religion and Politics, 2019
- **Chitralkha**, “Oral History with Women Naxalites and Rioters: Problems of Epistemology and Ethics” in Maitrayee Chaudhuri and Manish Thakur (eds.) *Doing Theory*, Orient Blackswan, New Delhi, April, 2018

354

Centre for Women’s Studies: (02)

- **Mokkil Navaneetha**, Forthcoming: “Xavier Dolan in India: The Alchemy of Film Viewing,” in *ReFocus: The Films of Xavier Dolan*. Ed. Andree Lafontaine. Edinburgh: Edinburgh University Press, 156-176.
- **Mokkil Navaneetha**, “Pornography in Asia,” in *Global Encyclopedia of Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) History* eds., Howard Chiang et al. Farmington Hills, MI: Charles Scribner’s Sons, 1268-1273, 2019

Media Articles (Newspapers and Non-technical magazines): (71)

Centre for the Study of Social Systems: (21)

- **Pathak Avijit**, Missing Pedagogy in Politics of Curriculum, *The Tribune*, Chandigarh, 31 May, 2018
- **Pathak Avijit**, The Power to Think and Critique, *The Tribune*, Chandigarh, 12 September, 2018
- **Pathak Avijit**, Dark Romance of Social Media, *The Tribune*, Chandigarh, 4 December, 2018
- **Pathak Avijit**, Metamorphosis of a Game, *The Tribune*, Chandigarh, 22 December, 2018
- **Pathak Avijit**, And Now Kashmiri Students, *The Tribune*, Chandigarh, 20 February, 2019
- **Pathak Avijit**, There’s Always an Alternative, *The Tribune*, Chandigarh, 29 March, 2019
- **Pathak Avijit**, The Suicide Narratives, *Deccan Herald*, Bengaluru, 10 June, 2018
- **Pathak Avijit**, Where are the Inspirers? *Deccan Herald*, Bengaluru, 4 September, 2018
- **Pathak Avijit**, Ugly, Violent, Decadent, *Deccan Herald*, Bengaluru, 29 November, 2018
- **Pathak Avijit**, The Radical Monk, *The Indian Express*, New Delhi, 5 July, 2018
- **Pathak Avijit**, Gandhi for the Young, *The Indian Express*, New Delhi, 2 October, 2018
- **Pathak Avijit**, Art for Life’s Sake, *The Indian Express*, New Delhi, 23 November, 2018
- **Pathak Avijit**, Why MCQ isn’t an Option, *The Indian Express*, New Delhi, 10 January, 2019
- **Pathak Avijit**, Exam and Peace, *The Indian Express*, New Delhi, 14 February, 2019
- **Jodhka Surinder Singh**, ‘No Return to ‘80s’. *The Indian Express*, 8 December, 2018
- **Jodhka Surinder Singh**, ‘Signposts for the Future’. Review of *The Radical Ambedkar: Critical Reflections* by Suraj Yengde and Anand Teltumbde (eds) Penguin Random House 2018. *The Indian Express*, 26 January, 2019
- **Jodhka Surinder Singh**, Caste in a New Mould. Review of Republic of Caste: Thinking Equality in the Time of Neoliberal Hindutva by Anand Teltumbde, New Delhi: Navayana Publications, 2018, *The Indian Express*, 4 August, 2018
- **Kumar Vivek**, ‘There’s no way to justify a Vedic Education Board’, 18 March, 2019, <https://www.firstpost.com>
- **Kumar Vivek**, ‘Why Equating Economically Weak Groups with SC-ST-OBC Is Wrong’, 10 January, 2019 <https://www.thequint.com>

□ **Kumar Vivek**, Member of Organising Committee and Speaker in the Birth Anniversary Programme on the Occasion 127th Birth anniversary of Babasaheb Dr. B.R. Ambedkar held by Jawaharlal Nehru University, 14 April, 2018

□ **Kumar Vivek**, Member of Organising Committee and Speaker in the Commemorative Programme on the Occasion of Mahaparinirvana Diwas of Babasaheb Dr. B.R. Ambedkar held by Jawaharlal Nehru University, 6 December, 2018

Centre for the Study of Regional Development: (10)

□ **Choudhary Bikramaditya K.**, "Balance-Sheet University: The new Dream of higher education in India", *Geography and You*. Vol.109, May, 2018,

□ **Mohan Madan**, "Geospatial Land Governance and Management", (Part-I), *Coordinates: A monthly Magazine on Positioning, Navigation and Beyond*, Vol. XIV, Issue 5, 2018, pp. 31-38. (ISSN 0973-2136), UGC Approved Journal.

□ **Mohan Madan**, "Geospatial Land Governance and Management", (Part-II) *Coordinates: A monthly Magazine on Positioning, Navigation and Beyond*, Vol. XIV, Issue 6, 2018, pp. 34-40. (ISSN 0973-2136), UGC Approved Journal.

355

□ **Saikia Nandita**, <https://www.telegraphindia.com/opinion/we-need-to-change-the-mindset-that-women-s-health-is-not-important/cid/1693318?fbclid=IwAR0OX81LbNct8lgarnYXfSk5esBPF4um7O7zczCXfKvDo7VBLuz6VGwiRE#>.
XSRJDw-tkfA.facebook

□ **Saikia Nandita**, <https://www.thehindu.com/todays-paper/tp-opinion/closing-the-gap/article26102545.ece>

□ **Saikia Nandita**, <https://blog.iiasa.ac.at/2019/02/04/what-matters-more-in-preventing-adult-deaths-in-india/>

□ **Saikia Nandita**, <https://www.firstpost.com/india/citizenship-amendment-bill-bjp-chasing-ghosts-in-assam-as-census-data-shows-number-of-hindu-immigrants-couldve-been-exaggerated-5640511.html>

□ **Saikia Nandita**, <https://www.thehindu.com/todays-paper/tp-opinion/a-bottom-up-plan/article24845365.ece>

□ **Saikia Nandita**, <http://www.niussp.org/article/counting-excess-under-5-female-mortality-in-indian-districts-ladiscrimination-contre-les-filles-et-la-mortalite-dans-lenfance-en-inde/>

□ **Saikia Nandita**, <https://blog.iiasa.ac.at/2018/06/04/indias-unwanted-daughters/>

Centre for Historical Studies: (04)

□ **Kaul Shonaleeka**, The Idea Deficit: Walled World of Academia, *Open*, August, 2018, Special Freedom Issue.

□ **Kaul Shonaleeka**, Relevance of Rasa', *Frontline*, July, 2018 (Review of Sheldon Pollock's A Rasa Reader, Columbia University Press, 2016)

□ **Mahalakshmi R.**, Invention of Tradition, *Frontline*, 1 February, 2019

□ **Mahalakshmi R.**, New History of Ancient Past, *Frontline*, 8 June, 2018

Centre for Political Studies: (09)

□ **Ali Amir**, "Why liberal-democracy loves its strong men", *Daily O*, 29 June, 2018, <https://www.dailyo.in/politics/democracy-turkey-erdogan-india-myanmar-us-donald-trump-yogi-adityanath/story/1/25188.html>

□ **Ali Amir**, "The Face of Boorish Britain – Boris Johnson's 'Islamophobia' and Jeremy Corbyn's 'anti-semitism'", *Daily O*, 8 September, 2018, <https://www.dailyo.in/politics/britian-racism-islamophobia-anti-semitism-britain/story/1/26523.html>

□ **Ali Amir**, "Theresa May: Cricketing Metaphors and the end of Prime Ministerial Innings", *Dailo O*, 17 November, 2018, <https://www.dailyo.in/variety/cricketing-metaphors-and-the-end-of-prime-ministerial-innings/story/1/27825.html>

□ **Ali Amir**, "I saw Mushirul Hasan rebuild Jamia Millia Islamia. Here's why I will miss him", *Daily O*, 12 December, 2018, <https://www.dailyo.in/voices/mushirul-hasan-jamia-millia-islamia-the-satanic-verses-batla-house-jnu/story/1/28290.html>

□ **Ali Amir**, "Is Britain hurtling towards a suicidal no-deal Brexit? The signs are many, none of them good". *Daily O*, 21 December, 2018, <https://www.dailyo.in/politics/brexit-theresa-may-european-union-no-deal-brexit-referendum/story/1/28451.html>

□ **Ali Amir**, "It's not the economy stupid, its politics", *Daily O*, 18 January, 2019, <https://www.dailyo.in/politics/politics-economy-donald-trump-bill-clinton/story/1/28933.html>

□ **Kanungo, Pralay**, "To Win 2019 Elections, Sangh Parivar May Use Its Last Lethal Weapon-- Construction of Ram Temple", *Outlook*, 6 December, 2018

□ **Dasgupta Rajarshi**, "Imraan Abhinandan ke Kena Phiriye Dilen?" Opinion Editorial in *Ei Samay*, 5 March, 2019 (Bengali Daily)

□ **Dasgupta Rajarshi**, "The Unholy Nexus of Land, Violence and Development in Bengal", *The Wire*, 5 October, 2018 (<https://thewire.in/political-economy/the-unholy-nexus-of-land-development-and-violence-in-bengal>)

Centre of Social Medicine and Community Health: (05)

- **Priya, Ritu**, "Breaking the Silos", *Indian Express*, Opinion Columns, 30 November, 2018
- **Acharya, Sanghmitra S.**, "Cleaning Brigade In The Land of Unequal Opportunities" (<https://www.youthkiawaaz.com/author/sanghmitraacharya>) YKA Youth Ki Awaaz, 22 January, 2019
- **Acharya, Sanghmitra S.**, "Directionless Development, Cover Story 'South Asia News'", Vol. 23 Issue 01, January, 2019 <http://southasia.com.pk/sa-1019/directionless-development.html>
- **Vikas Bajpai**, "Seasons of violence", *Kafila*, 22 October, 2018, Available from <https://kafila.online/2018/10/22/seasons-of-violence-vikas-bajpai/>, 23 October, 2018

356

□ **Vikas Bajpai**, "Assessing the potential of MGNREGA to alleviate poverty in India's political economy", *New Democracy*, November, 2018; Vol. 24, No. 9-11: 17-33

Zakir Husain Centre for Educational Studies: (01)

□ **Panda, Minati**, Editorial: Deconstructing mother tongue, *Swara* (MLE Newsletter), Vol. 11, No. 1, (2018)

Centre for Studies in Science Policy: (01)

□ **Govind, M.**, "Default Settings curb choices", *The Pioneer*, Sunday, 23 September, 2018 (with Vandana Maurya).

Centre for Informal Sector and Labour Studies: (18)

- **Mehrotra Santosh**, The shape of the jobs crisis, *The Hindu*.
- **Mehrotra Santosh**, Learning to compete: on Skill India, *The Hindu*.
- **Mehrotra Santosh**, No respite from poverty for Muslims, *The Hindu*.
- **Mehrotra Santosh**, Skill India' urgently needs reforms, *The Hindu*.
- **Mehrotra Santosh**, A self-goal for India, *The Hindu*.
- **Mehrotra Santosh**, Rebooting the system for a skills upgrade, *The Hindu*.
- **Mehrotra Santosh**, The manufacturing muddle, *The Hindu*.
- **Prasad Archana**, 'Data Manufacturing to Hoodwink the Public' *Peoples Democracy*, 15 July, 2018
- **Prasad, Archana**, 'Proposed New Deal for Women is a Hoax' *Peoples Democracy*, 12 August, 2018
- **Prasad, Archana**, 'The State of Peasantry Today' *Peoples Democracy*, 2 September, 2018
- **Prasad, Archana**, 'Agribusiness, Women Farmers and Workers in the Global South' *Peoples Democracy*, 23 September, 2018
- **Prasad, Archana**, 'The Migrant Worker in Not So Vibrant Gujarat' *Peoples Democracy*, 21 October, 2018
- **Prasad, Archana**, 'The Sangh and the Betrayal of Cosmopolitan Nationalism' *Peoples Democracy*, 4 November, 2018
- **Prasad, Archana**, 'Interim Budget Makes Mockery of Plight of Informal Labour' *Peoples Democracy*, 10 February, 2019
- **Prasad Archana**, 'Adivasi Women and their Labour Under BJP Regime' *Peoples Democracy*, 8 March, 2019
- **Prasad, Archana**, 'Islamophobia and Right Wing Nationalism' *Peoples Democracy*, 24 March, 2019
- **Chowdhury Anamitra Roy**, "Curbing Child Rape: Are we barking up the wrong tree?", *The Wire*, May, 2018

□ **Babu, Kali Chitti**, "*Nirasana Neramouthunda*", Editorial article (in Telugu) Published in Telugu Sakshi Daily News Paper, Tuesday 11 September, 2018

Centre For Media Studies: (02)

- **Batabyal, Rakesh**, Why the JNU Story Won't Die, *Indian Express*, 20 January, 2019
- **Batabyal, Rakesh**, JNU: Reflection of India's Intellectual Face, *Career 360*, March, 2019

357

Centre for the Study of Law & Governance

Journal / Research Articles: (12)

- **Jayal Niraja Gopal**, Edited *Re-Forming India: The Nation Today*. Gurgaon: Penguin Random House, 2019
- **Jayal Niraja Gopal**, "The Imagined Futures of the Public University in India" in *Globalizations*. (Special Forum on the Future of the University). <https://doi.org/10.1080/14747731.2019.1584496>, March, 2019
- **Singh Jaivir**, "Frustrating or Perhaps Supportive of Economic Activity? A Law and Economics Take on Labour Law in India", *GNLU Journal of Law and Economics*, Vol. I, issue1, September, 2018
- **Singh Jaivir**, Deb Kusum Das, Prateek Kukreja and Kumar Abhishek, "Law, skills and the creation of jobs as 'contract' work in India: Exploring Survey Data to make inferences for labour law reform", *Indian Journal of Labour Economics* (2017) 60: 549-570 Online, 16 July, 2018

- **Baxi Pratiksha** and Viplav Baxi, "Letters to Kaka: postcard-images of Upendra Baxi," *Jindal Global Law Review*, 9 (2), 239-255, doi10.1007/s41020-018-0071-5, (2018)
 - **Chowdhury Nupur**, "National Green Tribunal in India: Examining the Question of Jurisdiction", co-authored with Nidhi Srivastava, *Asia Pacific Journal of Environmental Law*, Vol. 21, Issue 2, 190-216. (ISSN (Print):13852140). (2018)
 - **Chowdhury Nupur**, "Privacy and Citizenship in India: Exploring Constitutional Morality and Data Privacy", *NUJS Law Review*, Vol. 11, Issue 3.pg no.9-12, 2018
 - **Prakash Amit**, (with Sanjukta Das Gupta), "De-centring dominant narratives in India: An Introduction' in *Rivista Degli Studi Orientali, Supplemento 2, Special Issue on De-Centring Dominant Narratives in India: Alternative Perceptions of History and Development* (edited By Sanjukta Das Gupta and Amit Prakash), 2018
 - **Prakash Amit**, "Identity, Migration and Crime: Conceptual Underpinnings and Select Evidence from India" in *Revista Degli Studi Orientali, Supplemento 2, Special Issue on De-Centring Dominant Narratives in India: Alternative Perceptions of History and Development* (edited By Sanjukta Das Gupta and Amit Prakash), 2018.
 - **Puneeth P.**, "Civil Procedure", *LIII Annual Survey of Indian Law – 2017*, (Published by ILI, 2018).
 - **Jamil Ghazala**, "Ethno-nationalist Tourism in South Asia", *Social Change*, 48, no. 3 (2018): 459-465.
 - **Haokip Thongkholal**, "Traditional Ideas and Institutions of Democracy in India's North East". *The Calcutta Journal of Political Studies*, Volume 2, 2018
- Books: (05)**
- **Jayal Niraja Gopal**, (ed.) *Re-Forming India: The Nation Today*. Gurgaon: Penguin Random House, 2019
 - **Singh Amita**, et al (eds) *Development and Disaster Management, A Study of the Northeastern States of India*, Springer-Palgrave Series, May, 2018
 - **Singh Jaivir**, and Pankaj Kumar *Issues in Law and Public Policy on Contract Labour in India: Comparative Insights from China* Springer, Singapore, 2018
 - **Jamil Ghazala**, *Women Speak: Of Dreams and Shackles*, SAGE-Yoda Press, 2018
 - **Haokip Thongkholal**, *The Anglo-Kuki War, 1917–1919: A Frontier Uprising against Imperialism during the First World War*. New York, London, and New Delhi: Routledge, (Edited with J. Guite), 2019
- Chapters in Books: (12)**
- **Jayal Niraja Gopal**, "The Idea of Academic Freedom", in Apoorvanand, ed. *The Idea of a University*. New Delhi: Context/Westland. 2019
 - **Jayal Niraja Gopal**, "Indian Democracy", in *Oxford Bibliographies in Political Science*. Ed. Sandy Maisel. New York: Oxford University Press, 2019
 - **Prakash Amit**, "The Capital City: Discursive Dissonance of Law and Policy", in Ranabir Samaddar, ed., *Migrants and the Neoliberal City*, New Delhi: Orient Black Swan, pp. 225-257, 2018
 - **Baxi Pratiksha**, *Governing India's Daughters*. In: Niraja Gopal Jayal ed. *Re-forming India: The Nation Today* Penguin Viking, New Delhi, 27 March, 2019
 - **Baxi Pratiksha**, *Imágenes de la ley, la reforma y la violencia sexual: notassobrelasprotestas de 2012-2013 en Delhi* in Bruno Sena Martins and Boaventura de Sousa Santos eds. *El pluriverso de los derechos humanos: La diversidad de las luchas por la dignidad*, Akal, Portugal, (Spanish, English), 2019
- 358**
- **Pratiksha Baxi**, "Inflicting Legal Injuries: The Place of the 'Two-Finger Test' in Indian Rape Law", in Anne Bloom, David Engel and Michael McCann (eds.), *Injury and Injustice: The Cultural Politics of Harm and Redress*, Pp. 267- 292, UK: Cambridge University Press, 2018
 - **Gupta, Chirashree Das**, "Capitalism, Classical Political Economy and Marx's Departures" in A Sinha and A. M. Thomas (Eds), *Pluralist Economics and its History*, Routledge, New Delhi, 2019.
 - **Gupta Chirashree Das**, 'Circuits of Capital in India: Trust, 'Informality and the Institution of the Family Owned Business Group' in : P Ray (ed), *Trust in Transactions*, Orient Black Swan, New Delhi, 2019
 - **Jamil Ghazala**, Review of Anand Vivek Taneja's book "*Jinnealogy: Time, Islam, and Ecological Thought in the Medieval Ruins of Delhi*", *Contributions to Indian Sociology*, volume XXIII No. 7-9): 25 (2018): 226-229.
 - **Jamil Ghazala**, Review of Farah Naqvi's book "*Working with Muslims: Beyond Burqa and Triple Talaq—Stories of Development and Everyday Citizenship in India*". *Biblio: A Review of Books* (July – September, 2018)
 - **Haokip Thongkholal**, "Breaking the Spirit of the Kukis: Launching the 'largest series of military operations' in the Northeastern Frontier of India", in J. Guite & T. Haokip (eds.), *The Anglo-Kuki War, 1917-1919: A Frontier Uprising against Imperialism during the First World War*, London/New Delhi: Routledge, 2019, 93-117.
 - **Haokip Thongkholal**, "Role of CBOs in Resilience Building: Good Practices and Challenges", in Amita Singh, et. al. (eds.) *Development and Disaster Management: A Study of the North Eastern States of India*. Palgrave Macmillan, Singapore, 2018, pp. 281-299.

Media Articles: (13)

- **Jayal Niraja Gopal**, “If only Hindus are natural citizens of India, it is a blow to India’s idea of citizenship” Interview with Amulya Gopalakrishnan. *The Times of India*. 5 August, 2018
- **Jayal Niraja Gopal**, “India: don’t blame WhatsApp for the lynch mobs” in *The Interpreter*, <https://www.lowyinstitute.org/the-interpreter/india-dont-blame-whatsapp-lynch-mobs>, 2 August, 2018
- **Jayal Niraja Gopal**, “What Happens to Democracy When It Abandons Liberalism?” Review of Yascha Mounk: *The People vs. Democracy in the Wire*. 17 June, 2018
- **Prakash Amit**, “The Dynamics of Social Media and the Indian Elections 2019” in *Asia Dialogue*, <https://theasiadialogue.com/2019/04/12/the-dynamics-of-social-media-and-the-indian-elections-2019>
- **Singh Amita**, “Climate Change Spikes Sea Levels” *Deccan Chronicle*, available at <https://www.deccanchronicle.com/discourse/180918/climate-change-spikes-sea-levels.html>, 18 September, 2018
- **Singh Amita**, “As Kerala Drowns We Look For the Machine and the Human in Early Warning Systems” SCDR Blog, posted. [www.http//scdr.jnu.ac.in](http://scdr.jnu.ac.in), 29 November, 2018
- **Singh Amita**, “Early Warning System (EWS) and Community Resilience to Floods” in *Southasiadisasters. Net* on ‘Asian Early Warning System: A View’, Ulaanbaatar, Mongolia. Website <http://www.aidmi.org/publications.aspx>, 4 July, 2018
- **Baxi Pratiksha**, “Times Now and Others like It Are Using TV Studios to Perpetuate Rape Culture, *The Wire*, <https://thewire.in/media/times-now-tarun-tejpal-videos-rape-culture>, 1 June 2018
- **Jamil Ghazala**, “On Triple Talaq: Patriarchy Is Not Just ‘Women’s Issues’, Marriage Is No Holy Cow”, *The Wire*, <https://thewire.in/women/triple-talaq-patriarchy-womens-rights-marriage>, 6 January, 2019
- **Jamil Ghazala**, “How JNU Administration is Scuttling Reservation and Academic Freedom”, *The Wire*, <https://thewire.in/education/how-jnu-administration-is-scuttling-reservation-and-academic-freedom>, 28 October, 2018.
- **Jamil Ghazala**, “Dismantling the public university”, *Indian Express*, (co-authored with MK Jha) <https://indianexpress.com/article/opinion/columns/higher-education-india-hrd-prakash-javadekar-ugc-autonomy-ofuniversities-5363404/>, 26 October, 2018
- **Jamil Ghazala**, “Minority & the Party”, *Indian Express*, <https://indianexpress.com/article/opinion/columns/bjpmuslims-congress-minority-2019-general-election-voters-5268393/>, 21 July, 2018
- **Jamil Ghazala**, “Lived Secularism”, *Indian Express*, (online only) <https://indianexpress.com/article/opinion/livedsecularism-indian-muslims-hindus-liberal-communalism-5130408/>, 10 April, 2018

Special Centre for Molecular Medicine

Journal/Research Articles: (26)

- Gupta P, Singh P, Pandey HS, Seth P, **Mukhopadhyay C.K.** Phosphoinositide-3-kinase inhibition elevates ferritin level resulting depletion of labile iron pool and blocking of glioma cell proliferation. *BBA - General Subjects*, 1863 (3): 547-564, 2019 doi: 10.1016/j.bbagen.2018.12.013.
- Sukriti S, Maras JS, Bihari C, Das S, Vyas AK, Sharma S, Hussain S, Shasthry S, Choudhary A, Premkumar M, Kumar D, Kumar G, **Mukhopadhyay C.K.**, Kumar A, Trehanpati N, Rautou PE, Moreau R, Sarin SK. Microvesicles in hepatic and peripheral vein can predict nonresponse to corticosteroid therapy in severe alcoholic hepatitis. *Aliment Pharmacol Ther*, 47(8):1151-1161. 2018, doi: 10.1111/apt.14564.
- Das NK, Sandhya S, G VV, Kumar R, Singh AK, Bal SK, Kumari S, **Mukhopadhyay C.K.** *Leishmania donovani* inhibits ferroportin translation by modulating FBXL5-IRP2 axis for its growth within host macrophages. *Cell Microbiol*. July, 2018;20(7):e12834. doi: 10.1111/cmi.12834. Epub, 30 March, 2018.
- Rana M, Dash AK, Ponnusamy K, **Tyagi RK** Nuclear localization signal region in nuclear receptor PXR governs the receptor association with mitotic chromatin. *Chromosome Res.*, 2018, Vol.26: 255-276.
- Negi S, Singh SK, Kumar S, Kumar S, **Tyagi RK** Stable cellular models of nuclear receptor PXR for highthroughput evaluation of small molecules. *Toxicol in Vitro*. 2018, Vol.52: 222-234.
- Ghose S, Biswas S, Datta K and **Tyagi RK** Dynamic hyaluronan drives liver endothelial cells towards angiogenesis. *BMC Cancer*, 2018,18:648. doi: 10.1186/s12885-018-4532-1.
- Mathew SP, Thakur K, Kumar S, Yende AS, Singh SK, Dash AK and **Tyagi RK** A Comprehensive Analysis and Prediction of Sub-Cellular Localization of Human Nuclear Receptors. *Nuclear Receptor Research*, Vol. 5, Article ID 101324, 20 pages, 2018. doi:10.11131/2018/101324.
- Pradhan S, Kalia I, Roy SS, Singh OP, Adak T, Singh AP, **Dhar SK.** Molecular Characterization and Expression Profile of an Alternate Proliferating Cell Nuclear Antigen Homolog PbPCNA2 in *Plasmodium berghei*. *IUBMB Life*. 13 March, 2019. doi: 10.1002/iub.2036. [Epub ahead of print]
- Kumar A, **Dhar SK**, Subbarao N. In silico identification of inhibitors against *Plasmodium falciparum* histone deacetylase 1 (PfHDAC-1). *J Mol Model*. 2018, Vol. 24:232.
- Banu K, Mitra P, Subbarao N, **Dhar SK.** Role of tyrosine residue (Y213) in nuclear retention of PCNA1 in human malaria parasite *Plasmodium falciparum*. *FEMS Microbiol Lett*. 1 September, 2018; 365(17).
- Kamran M, Dubey P, Verma V, Dasgupta S, **Dhar SK.** *Helicobacter pylori* shows asymmetric and polar cell division assembly associated with DNA replisome. *FEBS J.*, 2018, Vol. 285:2531-2547.
- Sharma R, Sharma B, Gupta A, **Dhar SK.** Identification of a novel trafficking pathway exporting a replication protein, Orc2 to nucleus via classical secretory pathway in *Plasmodium falciparum*. *Biochim Biophys Acta Mol Cell Res.*, 2018, Vol.1865:817-829.
- Bansal S, Sur S, **Tandon V.** Benzimidazoles: Selective Inhibitors of Topoisomerase I with Differential Modes of Action, *Biochemistry*. 2019, 58(6):809-817
- Pandey, S., Sur S, **Tandon V.** Substituent Specific Bisbenzimidazole Binding towards AT-rich Sequences; *J. of Ind. Chemical Society*, 2019, Vol. 95, December, 2018, pp. 1607-1616
- Urvashi, **Tandon V**, Das, P. and Kukreti, S. Synthesis of 3,6-diaryl-1H-pyrazolo[3,4-b]pyridines via one-pot sequential Suzuki–Miyaura coupling. *RSC Adv.*, 2018, Vol. 8: 34883-34894
- Kumar S, Sharma C, Kaushik SR, Kulshreshtha A, Chaturvedi S, Nanda RK, Bhaskar A, Chattopadhyay D, **Das G**, Dwivedi VP The phytochemical bergenin as an adjunct immunotherapy for tuberculosis in mice. *J Biol Chem.*, 2019, 294(21):8555-8563
- Dwivedi VP, Bhattacharya D, Singh M, Bhaskar A, Kumar S, Sobia P, Kaer LV, **Das G** Allicin enhances antimicrobial activity of macrophages during *Mycobacterium tuberculosis* infection. *J Ethnopharmacol*. 2018, pii: S0378-8741(18)31763-X. doi: 10.1016/j.jep.2018.12.008
- Perumal G, Chakrabarti A, Grewal HS, Pati S, **Singh S***, Arora HS. Enhanced antibacterial properties and the cellular response of stainless steel through friction stir processing. *Biofouling*, February, 2019, 35(2):187-203. doi:10.1080/08927014.2019.1584794. Epub 26 March, 2019
- Mishra M, Singh V, **Singh S***, Structural Insights Into Key *Plasmodium* Proteases as Therapeutic Drug Targets. *Front Microbiol*, 5 March, 2019; 10:394. doi: 10.3389/fmicb.2019.00394. eCollection
- Yadav P, Ayana R, Garg S, Jain R, Sah R, Joshi N, Pati S, **Singh S***, *Plasmodium* palmitoylation machinery engineered in *E. coli* for high-throughput screening of palmitoyl acyl-transferase inhibitors. *FEBS Open Bio*. 10 January, 2019; 9(2):248-264. doi: 10.1002/2211-5463.12564

360

- Jain R, Garg S, **Singh S***, Screening of chemical library against whole cell kinome activity via non-radioactive, high throughput kinase assay. *MethodsX*, 18 January, 2019; 6:162-168. doi: 10.1016/j.mex.2018.12.003. e Collection
- Kaur A, Kannan D, Mehta SK, **Singh S***, Salunke DB.,

- Synthetic Toll-like receptor agonists for the development of powerful malaria vaccines: a patent review. *Expert Opin Ther Pat*. November, 2018; 28(11):837-847. doi: 10.1080/13543776.2018.1530217. Review.
- Gupta S, **Singh S.**, Popovici J, Roesch C, Shakri AR, Guillotte-Blisnick M, Huon C, Menard D, Chitnis CE. Targeting a Reticulocyte Binding Protein and Duffy Binding Protein to Inhibit Reticulocyte Invasion by *Plasmodium vivax*. *Sci Rep*. 12 July, 2018; 8(1):10511. doi: 10.1038/s41598-018-28757
 - Singh AP, Sharma S, Pagarware K, Siraji RA, Ansari I, Mandal A, Walling P, **Aijaz S.**, Enteropathogenic *E. coli* effectors EspF and Map independently disrupt tight junctions through distinct mechanisms involving transcriptional and post-transcriptional regulation. *Scientific Reports*. (2018). 8(1):3719.
 - Maity, C., **Ghosh, D.**, & Guha, S. Assays for Intracellular Cyclic Adenosine Monophosphate (cAMP) and Lysosomal Acidification. *Methods in molecular biology* 1996, 161-178, doi:10.1007/978-1-4939-9488-5_14 (2019)
 - Lahiri, P., Dhaware, D., Singh, A., Panchagnula, V. & **Ghosh, D.**, Quantitation of Neurotoxic Metabolites of the Kynurenine Pathway by Laser Desorption Ionization Mass Spectrometry (LDI-MS). *Methods in molecular biology* 1996, 113-129, doi:10.1007/978-1-4939-9488-5_11 (2019)
- Media Articles:** (Newspapers and non-technical magazines): **(01)**
- **Ranganathan A.**, Numerous articles published in *Swarajya* Magazine. Please click on author profile on this website to access the details. <https://swarajyamag.com/search?q=ranganathan>

Special Centre for Nano Sciences

Journal/Research Articles: (32)

- Permalloy (NiFe) nanometer square-antidote arrays Dynamic modes and use as a monolithic microwave band-pass filter; **Kuanr Bijoy Kumar**, Veerakumar Veenugopal, R. E. Camley and Zbigniew Celinski, *Journal of Magnetism and Magnetic Materials*; DOI:10.1016/j.jmmm.2019.04.020, 2019.
- Microstructural and Magnetic properties of rGO/MnFe₂O₄ nanocomposites; Relaxation dynamics; Amodini Mishra, Vipul Sharma, Tanuja Mohanty & **Kuanr Bijoy Kumar**, *Journal of Alloys and Compounds*, Vol. 790, pp. 983-991, 2019.
- Encapsulated lanthanum strontium manganese oxide in mesoporous silica shell: Potential for cancer treatment by hyperthermia therapy; Ravi Kumar, Anjali Chauhan, Sushil K. Jha & **Kuanr Bijoy Kumar**, *Journal of Alloys and Compounds*; Vol. 790, Pp. 433-446, 2019.
- Microwave Monolithic Devices Using Magnetic Hard-Soft Nanocomposite; Vipul Sharma, **Kuanr Bijoy Kumar** & Zbigniew Celinski; *IEEE Transactions on Magnetics*; DOI: 10.1109/TMAG.2019.2894738, 2019.
- Magnetization reversal switching in nanocylinders using dynamic techniques; Monika Sharma, Ananjan Basu, **Kuanr Bijoy Kumar**; *Journal of Magnetism and Magnetic Materials*, Vol. 476, pp.234-242, 2019.
- “Localized cancer treatment by radio-frequency hyperthermia using magnetic nanoparticles immobilized on graphene oxide -from novel synthesis to *in-vitro* studies”, Ravi Kumar, Anjali Chauhan, Sushil K Jha and **Kuanr Bijoy Kumar**; *Journal of Materials Chemistry B.*, vol. 6, pp.5385-5399, 2018.
- “Magnetic and crystallographic properties of rare-earth substituted yttrium-iron garnet”; Vinay Sharma, **Kuanr Bijoy Kumar**, *Journal of Alloys and Compounds*, Vol.748, 591-600, 2018.
- “Exchange-coupled hard-soft ferrites; A new microwave material; Vipul Sharma, Shweta Kumari, **Kuanr Bijoy Kumar**; *Journal of Alloys and Compounds*, Vol. 736, pp. 266-275, 2018.
- Smriti Sri, Robin Kumar, Amulya K. Panda, and **Solanki Pratima R.**, Highly Biocompatible, Fluorescence, and Zwitterionic Carbon Dots as a Novel Approach for Bioimaging Applications in Cancerous Cells. *ACS Appl. Mater. Interfaces*, 10, 37835–37845, 2018.
- Namrata Pachauri, K. Dave, A. Dinda, **Solanki Pratima R.**, Cubic CeO₂ implanted reduced graphene oxide based highly sensitive biosensor for non-invasive oral cancer biomarker detection. *J. Mater. Chem. B*, 6, 3000, 2018.
- Deepika Chauhan, P. K. Gupta, **Solanki Pratima R.**, “Electrochemical immunosensor based on magnetite nanoparticles incorporated electrospun polyacrylonitrile nanofibers for Vitamin-D3 detection”. *Materials Science & Engineering C* 93, 145–156, 2018.
- Kashyap Dave, Namrata Pachauri, Amit Dinda, **Solanki Pratima R.**, RGO modified mediator free paper for electrochemical biosensing platform. *Applied Surface Science*, Vol. 463, pp.587–595, 2019.
- Pramod K. Gupta, Zishan H. Khan, **Solanki Pratima R.**, Improved electrochemical performance of metal doped Zirconiananoparticles for detection of Ochratoxin-A. , *Journal of Electroanalytical Chemistry*, Vol. 829, pp.69–80, 2018.
- A. Nath Yadav, A. K. Singh, P. Prakash Sharma, **Solanki Pratima R.**, Kedar Singh, Optical properties of highly luminescent, monodisperse, and ultrastable CdSe/V₂O₅ core/shell quantum dots for *in-vitro* imaging. *Journal of Materials Science: Materials in Electronics*.29 (21), pp.18650-18659, 2018
- S Sri, C Dhand, J Rathee, S Ramakrishna, **Solanki Pratima R.**, Microfluidic Based Biosensors as Point of Care Devices for Infectious Diseases Management. *Sensor Letters* 17 (1), pp. 4-16, 2019
- Tarun K. Dhiman, GBVS Lakshmi, Appan Roychoudhury, Sandeep K. Jha, **Solanki Pratima R.**, “Ceria nanoparticles based microfluidic nanobiochip electrochemical sensor for the detection of Ochratoxin-A.” *Chemistry Select.* 4(17), 4867-4873, 2019
- Raju Kumar and **Singh Satyendra**, Enhanced electrocaloric response and high energy-storage properties in lead-free (1-x)(K_{0.5}Na_{0.5})NbO₃ - xSrZrO₃ nanocrystalline ceramics, *Journal of Alloys and Compounds*, Vol. 764, pp.289-294, 2018.
- Raju Kumar, Divyansh Khurana, Ashish Kumar, and **Singh Satyendra**, “Giant negative electrocaloric effect and energy storage response in 0.94(K_{0.5}Na_{0.5})NbO₃-0.06SrMnO₃ nanocrystalline ceramics, *Ceramics International*, Vol.44, pp. 20845–20850, 2018.
- Vijay Kumar and **Singh Satyendra**, “Optical and magnetic properties of (1-x)BiFeO₃-xCaTiO₃nanoparticles”, *Journal of Alloys and Compounds*, Vol. 732, pp.350-357, 2018.

362

- Raju Kumar, Ashish Kumar, and **Singh Satyendra**, Large electrocaloric response and energy storage study in environmentally friendly (1-x)K_{0.5}Na_{0.5}NbO₃-xLaNbO₃ nanocrystalline ceramics”, *Sustainable Energy & Fuels*, Vol.2, pp.2698 – 2704, 2018.
- Raju Kumar, Ashish Kumar, and **Singh Satyendra**, Co-existence of large negative & positive electrocaloric effects and energy-storage performance in LiNbO₃ doped K_{0.5}Na_{0.5}NbO₃ nanocrystalline ceramics,” *ACS Applied Electronic Materials*, Vol.1, pp.454–460, 2019.

- Ajit Kumar, Raju Kumar, Kader Singh, and **Singh Satyendra**, “Enhanced electrocaloric effect and energy storage density in lead free 0.8Na0.5Bi0.5TiO3-0.2SrTiO3 ceramics”, *Physica Status Solidi A*, 1800786, <https://doi.org/10.1002/pssa.201800786>, 2019.
 - Tanya Jamwal, Raju Kumar, **Singh Satyendra**, “Giant electrocaloric effect in 0.75PbZrO3 - 0.25Bi(Mg1/2Ti1/2)O3 ceramics,” *Ceramics International*, 2019.
 - Tarun Kumar Dhiman, and **Singh Satyendra**, “Enhanced catalytic and photocatalytic degradation of organic pollutant Rhodamine-B by LaMnO3 nanoparticles synthesized by non-aqueous sol-gel route,” *Physica Status Solidi A*, <https://doi.org/10.1002/pssa.201900012>, 2019.
 - Rajender Prasad Tiwari, Jyoti Shah, Ravinder Kumar Kotnala, **Balaji Birajdar**, “Electrical microstructure properties of 0.9(KNbO3)-0.1(BaNi1/2Nb1/2O3-) electroceramic.” *Journal of Alloys and Compounds*, Vol. 753, pp. 642-645, 2018.
 - Tiwari RP, Hashmi SZH, Sharma R, Khan SA, **Balaji Birajdar**, “Synthesis of highly pure and dense 0.9(KNbO3) 0.1(BaNi1/2Nb1/2O3-δ) ceramic with superior magnetic properties”, *J Am Ceram Soc.* (in print); <https://doi.org/10.1111/jace.16330>, 2019.
 - Inderjeet Singh and **Balaji Birajdar**, “Effective La-Na Co-Doped TiO2 NanoParticles for Dye Adsorption: Synthesis, Characterization and Study on Adsorption Kinetics,” *Nanomaterials*, 400; doi:10.3390/nano9030400, 2019.
 - V. S. Radhakrishnan, Surya Prakash Dwivedi, Mohammed Haris Siddiqui and **Prasad Tulika**, “In vitro studies on oxidative stress independent, Ag-nanoparticles induced cell toxicity of *Candida albicans*, an opportunistic pathogen.” *International Journal of Nanomedicine*, Vol.13, pp. 91-96, 2018.
 - V. S. Radhakrishnan, Mohana Krishna Reddy Mudiam, Manish Kumar, Surya Prakash Dwivedi, Surinder Pal Singh and **Prasad Tulika**, “Silver nanoparticle induced alterations in multiple cellular targets, which are critical for drug susceptibilities and pathogenicity in fungal pathogen (*Candida albicans*).” *International Journal of Nanomedicine*, Vol.13, pp. 2647-2663, 2018.
 - Irshad Ahmad Mir, V. S. Radhakrishnan, Kamla Rawat, **Prasad Tulika*** and Himadri B. Bohidar*. (Joint Corresponding authors*). “Bandgap tunable AgInS based quantum dots for high contrast cell imaging with enhanced photodynamic and antifungal applications.” *Scientific Reports- Nature*, 8(1), pp. 9322, 2018.
 - Eepsita Priyadarshini, Kamla Rawat, **Prasad Tulika**, and Himadri B. Bohidar, “Antifungal efficacy of Au@ Carbon dots nanoconjugates against opportunistic fungal pathogen, *Candida albicans*.” *Colloids and Surfaces B:Biointerfaces*, Vol. 163 pp.355-361, 2018.
 - Netrapal Singh, Bhawna Dahiya, V. S. Radhakrishnan, **Prasad Tulika*** and Promod K. Mehta*, (Joint Corresponding authors*). “Detection of *Mycobacterium tuberculosis purified* ESAT-6 (Rv3875) by magnetic beads coupled-gold nanoparticles based immuno-PCR assay.” *International Journal of Nanomedicine*, Vol.13, pp. 8523- 8535, 2018.
- Chapters in Books: (02)**
- Tarun Kumar Dhiman, G. B. V. S. Lakshmi, and **Solanki Pratima R.**, “On Microfluidics Devices for Clinical Biosensor” in *Encyclopedia of Continuum Mechanics*, Springer, Berlin, Heidelberg. Editors: Altenbach, Holm, Öchsner, Andreas, .ISBN 978-3-662-55770-9.
 - Yana Bagbi, A. Pandey and **Solanki Pratima R.**, “Electrospun Nanofibrous Filtration Membranes for Heavy metals and dye removal”, *Nanoscale Materials in Water Purification*, Sabu Thomas, Daniel Pasquini, Sau-Yuan Leu, Deepu A. Gopakumar (Eds.), DOI 10.1016/B978-0-12-813926-4.00015-X, ISBN 978-0-12-813926-, pp. 275-288, Elsevier, 2019.

Special Centre for the Study of North East India

Journal/Research Articles: (04)

- **Bhattacharya, Rakhee**, 'Industrial Policy in North East India: Peripheral Realities in Post-Liberalisation Period', (co-authored with J.P. Bhattacharjee), *The Indian Journal of Industrial Relation*, Vol. 54, No. 2, pp. 244-257, 2018
- **Bhattacharya, Rakhee**, 'Education: Pursuit of excellence sans equity', in the Conference Volume as *Diamond Jubilee souvenir*, Shillong College, pp. 71-78, 2018
- **Bhattacharya, Rakhee**, 'Developmentalism: Towards a Philosophical Frame,' in *Aarthika Charche, Journal of the Fiscal Policy Institute*, Vol. 2, No 2, July – December, 2018, p. 14. The article is Review of the book, *An Alternative Philosophy of Development: from Economism to Human Well-being*, B. P. Mathur, New Delhi: Routledge
- **Chander Mohan**, 'Community radio: a tool to communicate health and nutrition challenges of Women', *Communicator*, Vol.1 (2019)

Books: (03)

- **Dzuvichu, Lipokmar**, *Objects and Frontiers in Modern Asia: Between the Mekong and the Indus*, (co-edited, with an Introduction) , Routledge, London and New York, 2019
- **Baruah, Manjeet**, *Objects and Frontiers in Modern Asia: Between the Mekong and the Indus*, (co-edited, with an Introduction), Routledge, London and New York, 2019
- **Chander Mohan**, *Science Expressed: An Extraordinary Journey*, (co-authored with Dilip Surkar), VASCSC, Ahmedabad, 2018

Chapters in Books: (03)

- **Bhattacharya, Rakhee**, 'North East India in BCIM Economic Corridor: Rhetoric and Reality', in Gurudas Das and C. J. Thomas (Eds.), *BCIM Economic Cooperation: Interplay of Geo-economics and Geo-politics*. New Delhi: Routledge, 2018, pp 221-235.
- **Bhattacharya, Rakhee**, "Poverty, Inequality and State Expenditure: Intra-Regional Disparities in North East India", (co-authored with G. Bhattacharjee), *Economic Growth in India and its Many Dimensions*, Arup Mitra (Ed.), New Delhi: Orient Black Swan, 2018, pp .269-296.
- **Dzuvichu, Lipokmar** and **Manjeet Baruah**, 'Introduction: Objects of Frontiers', *Objects and Frontiers in Modern Asia: Between the Mekong and the Indus*, Co-edited Lipokmar Dzuvichu and Manjeet Baruah, Routledge, London and New York, 2019, pp.1-17.

Media Articles: (Newspapers and non-technical magazines): (13)

- **Bhattacharya, Rakhee**, 'Isolated no more', *The Statesman*, 18 February, 2019
- **Bhattacharya, Rakhee**, 'Why Hasina is Important for North East', *The Statesman*, 31 December, 2018
- **Bhattacharya, Rakhee**, 'Will Mizoram Show the Way?', *The Statesman*, 26 November, 2018
- **Bhattacharya, Rakhee**, 'Towards a Much Needed Revival', *The Statesman*, 12 November, 2018
- **Bhattacharya, Rakhee**, "Vision for the Periphery", *The Statesman*, 17 September, 2018
- **Bhattacharya, Rakhee**, 'More than what meets the eye', *The Statesman*, 20 August, 2018
- **Bhattacharya, Rakhee**, 'Implications of the Shillong Violence', *The Statesman*, 18 June, 2018
- **Bhattacharya, Rakhee**, 'The North-east beyond AFSPA', *The Statesman*, 29 April, 2018
- **Sharma, G. Amarjit**, 'Roads after companies', *Imphal Free Press*, 1 April, 2018
- **Sharma, G. Amarjit**, 'Manipur and the age of new empire', *Imphal Free Press*, 22 April, 2018
- **Sharma, G. Amarjit**, 'The road not meant for people', *Imphal Free Press*, 16 June, 2018
- **Sharma, G. Amarjit**, 'Manipur university crisis: Is Memorandum of Agreement Eyewash for Public', *Imphal Free Press*, 16 September, 2018
- **Sharma, G. Amarjit**, 'Too many political demands to trouble the people', *Imphal Free Press*, 23 September, 2018

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
<u>SCSNEI-</u>						
“Industrial Policy in North East India: Peripheral Realities in Post-Liberalisation Period”	Rekhee Bhattacharya (Co-authored with J.P. Bhattacharjee)	The Indian Journal of Industrial Relation, Vol. 54, No. 2, 2018, pp. 244-257	2018		Associate Professor, Special Centre for the study of North East India, JNU	
“Education: Pursuit of excellence sans equity”	Rakhee Bhattacharya	Conference Volume as Diamond Jubilee Souvenir, Shillong College, 2018	2019		Associate Professor, Special Centre for the study of North East India, JNU	
“Community radio: a tool to communicate health and nutrition challenges of Women”	Chander Mohan	Communicator, Vol.1 (2019)	2019			
“North East India in BCIM Economic Corridor: Rhetoric and Reality”	Rakhee Bhattacharya	Chapter in Book: BCIM Economic Cooperation Interplay of Geo-economics and Geo-Politics, Routledge, pp. 221-235. (ED) Gurudas Das and C.J. Thomas	2018		Associate Professor, Special Centre for the study of North East India, Jawaharlal Nehru University New Delhi	
“Poverty, Inequality	Rekhee Bhattacharya	Chapter in Book:	2018		Associate Professor,	

and state Expenditure; Intra-regional Disparities in North East India”	a (co-authored with G. Bhattacharjee)	Economic Growth in India and its Many Dimensions, Orient Black Swan, 2018, pp. 269-296. (Ed) Arup Mitra			Special Centre for the study of North East India, JNU	
“Colonial modernity and Plight of the receiving communities “	Bhagat Oonam (co-authored with Dhiren A Sadokpam)	Chapter in Book; Northeast India: A Reader, Routledge, pp 251-264 (Ed.) Dhiren A Sadokpam	2018		Professor and Chairperson Special Center for the Study of North East India (JNU) New Delhi	
“New liberal Developmentalism: state Strategy in India’s North East”	Rakhee Bhattacharya	Chapter in book: Developmentalism as strategy: Interrogating Post-Colonial Narratives on India’s Northeast. SAGE pp. 169-191. (Ed) Rakhee Bhattacharya	2019		Associate Professor, Special Centre for the study of North East India, Jawaharlal Nehru University New Delhi	
“Introduction : Objects of Frontiers”	Lipolmar Dzuwichu and Manjeet Baruah (co-authored)	Chapter in Book: Objects and Frontiers in Modern Asia: Between the Mekong and the Indus, Routledge, pp. 1-17. (Ed) Lipokmar Dzuwichu and Manjeet Baruah	2019		Assistant Professor, Special Centre for the study of North East India, Jawaharlal Nehru University New Delhi	
“The Colonial state and the ‘Illegal’ Arms Trade	Lipokmar Dzuwichu	Chapter in Book: Landscape, Culture and Belonging:	2019		Assistant Professor, Special Centre for the study of	

along the North East Frontier of India, 1860s to 1900s”		Writing the Brief history of North East India, Cambridge University Press, pp. 237-261. (Ed) Neeladri Bhattacharya and Joy L.K. Pachuau			North East India, Jawaharlal Nehru University New Delhi
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CSMCH, SSS –

1. Sriram, Veena & George, Asha & Baru, Rama & Bennett, Sara. (2018). Socialization, legitimation and the transfer of biomedical knowledge to low- and middle-income countries: Analyzing the case of emergency medicine in India. *International Journal for Equity in Health*. 17. 10.1186/s12939-018-0824-y.
2. Sriram, Veena & Baru, Rama & Bennett, Sara. (2018). Regulating recognition and training for new medical specialties in India: the case of emergency medicine. *Health Policy and Planning*. 33. 1-13. 10.1093/heapol/czy055.
3. Baru, RV. M. Mohan (2018) Globalisation and neoliberalism as structural drivers of health inequities *Health Research Policy and Systems* 201816 (Suppl 1):91 <https://doi.org/10.1186/s12961-018-0365-2>. 9th October, 2018.
4. Rao, N. V., Downey, L., Jain, N., Baru, R., & Cluzeau, F. (2018). Priority-setting, the Indian way. *Journal of global health*, 8(2), 020311.
5. Priya R, Gaitonde R., Gandhi M.P, Sarkar, A., Das S., Ghodajkar P. (2019). The Alm-Ata Declaration and Elements for a PHC 2.0. *Medico Friend Circle Bulletin*, No. 380, 1-8.
6. Gaitonde R., Priya R., Sarkar, A., Das S., Ghodajkar P., Gandhi M.P. (2019). Some Thoughts on Health for All: the Rationale for engaging with the Politics of Knowledge. *Medico Friend Circle Bulletin*, No. 380, 9-15.
7. Ghodajkar P., Das S., Sarkar, A., Gandhi M.P., Gaitonde R., **Priya R.** (2019). Towards Reframing the Operational Design for HFA 2.0: Factoring in Politics of Knowledge in Health Systems. *Medico Friend Circle Bulletin*, No. 380, 16-25.
8. Priya, R. and Kurian C.M. (2018). Regulating Access and Protecting Traditional Health Knowledge through Intellectual Property Rights? Issues from a Holistic Health Systems Perspective. *Science, Technology & Society* 23:3 (2018): 1–26.
9. Priya R. and Ghodajkar P. (2018). Regulating the Medical Profession: challenges and Possibilities of the National medical Commission Bill, 2017. *Social Change*, 48(2) 1-5.
10. Marshall, F., J. Dolley, and R. Priya. 2018. Transdisciplinary research as transformative space making for sustainability: enhancing pro-poor transformative agency in peri-urban contexts. *Ecology and Society* 23(3):8. <https://doi.org/10.5751/ES-10249-230308>
11. Baru, R (2019) The Bhore Committee and Recent Debates. Seminar, February.
12. Z. Begna, R. Bisht (2018), Exploring Barriers in Health Care Delivery System for Cancer Care in Ethiopia. *International Journal of Health Sciences & Research* (www.ijhsr.org) Vol.8; Issue: 12; pp. 132-142.
13. Dasgupta R, Sharma S, Sharma N, Banerjee K, Haran EGP, Muliye J, Salunke S, Masoodi MA, Haldar P, Bahl S, Bhatnagar P, Joshi S, Arora NK. Successful switch (tOPV to bOPV) in India: Tribute to a resilient health system. *Vaccine* 37 (2019) 2394–2400.
14. Chugh Sachdeva R, Mondkar J, Shanbhag S, Manuhar Sinha M, Khan A, Dasgupta R, Israel-Ballard K (2019). Understanding Barriers and Facilitators for Human Milk Banking Among Service Providers, Mothers, and Influencers of Neonates Admitted at Two Health Facilities in a Metropolitan City in India. *Breastfeeding Medicine*, 14(2):694-701. doi: 10.1089/bfm.2018.0177.
15. Bandyopadhyay T, Maria A, Dasgupta R. (2019). Ethical Dilemmas in Perinatal and Neonatal

- Care: Tough Questions, Fuzzy Answers. *EC Paediatrics* 8.1: 38-41.
16. Mondkar J, Chugh Sachdeva R, Shanbhag S, Khan A, Manuvar Sinha M, Dasgupta R, Israel-Ballard K, Sabharwal V (2018). Understanding Barriers and Facilitators for Human Milk Banking Among Service Providers, Mothers, and Influencers of Preterm and Sick Neonates Admitted at Two Health Facilities in a Metropolitan City in India. *Breastfeeding Medicine*, Dec;13(10):694-701. doi: 10.1089/bfm.2018.0103. Epub 2018 Oct 31.
 17. Dixit S, Arora NK, Rahman A, Howard NJ, Singh RK, Vaswani M, Das MK, Ahmed F, Mathur P, Tandon N, Dasgupta R, Chaturvedi S, Jethwaney J, Dalpath S, Prashad R, Kumar R, Gupta R, Dube L, Daniel M. Establishing a Demographic, Development and Environmental Geospatial Surveillance Platform in India: Planning and Implementation (2018). *JMIR Public Health Surveillance* 4(4):e66, DOI: 10.2196/publichealth.9749, PMID: 30291101.
 18. Dasgupta R, Chaand I (2018). Programmatic Approaches for Nutritional Care in India: Addressing the Continuum of Care Perspectives. *Indian Paediatrics*, 55(8):653-6.
 19. Arora NK, Nair MKC, Gulati S, Deshmukh V, Mohapatra A, Mishra D, Murthy GVS, Sharma TD, Sapra S, Aneja S, Junena M, Reddy SK, Suman P, Mukherjee SB, **Dasgupta R et al** (2018). Neurodevelopmental disorders in children aged 2-9 years: Population-based burden estimates across five regions in India. *PLoS Med* 15(7): e1002615. <https://doi.org/10.1371/journal.pmed.1002615>.
 20. Dasgupta R, Chaand I, Barla KB (2018). The Slippery Slope of Child Feeding Practices in India. *Indian Paediatrics*, 55(4):284-6.
 21. Acharya, Sanghmitra S., 'Morbidity and Treatment- seeking Behaviour Among Scheduled Tribe in India: A Cross-sectional Study' *Journal of Social Inclusion Studies* 4(2) 1–16, 2019. Indian Institute of Dalit Studies. SAGE Publications. sagepub.in/home.nav DOI: 10.1177/2394481118818594 <http://journals.sagepub.com/home/sis> (co-authored with Rajesh Raushan)
 22. Acharya, Sanghmitra S., 'Health Equity in India: An Examination Through the Lens of Social Exclusion'. *Journal of Social Inclusion Studies*. 4(1) 104–130 2018 Indian Institute of Dalit Studies SAGE Publications. sagepub.in/home.nav DOI: 10.1177/2394481118774489 <http://journals.sagepub.com/home/sis>
 23. Acharya, Sanghmitra S., "Socioeconomic correlates of Bereavement and Sorrow among Women- Examining Differentials on Social Axes" *Review Article Indian J Med Res* 148 (Supplement), December 2018, pp: S27-S-37.
 24. Guite. N., "Tribal Local Self-Governance: A Study of Kuki Village Council in Churachandpur, Manipur", *Journal of Rural Development*, National Institute of Rural Development and Panchayati Raj, Hyderabad, India (in Archives for 2019 Issue).
 25. Reddy, Sunita, *Defining Disasters -A Social Science Perspective- Geography and You* 16 Sep. 2018.
 26. Reddy, Sunita, *Importance of Folk Healers in Primary Health Care: Need for recognition and Support*. *Sikkim Express* 4th March 2019.
 27. Reddy, Sunita, *Importance of Folk Healers in Sikkim Times* 5th March 2019.
 28. Priya R, Gaitonde R, Gandhi M P, Sarkar A, Das S, Ghodajkar P. The Alma-Ata Declaration and its Elements for a PHC 2.0. *Medico Friend Circle Bulletin*, 2019, 380: 1-8
 29. Gaitonde R, Priya R, Sarkar A, Das S, Ghodajkar P, Gandhi M P. Some Thoughts on Health for All: The Rationale for Engaging with the Politics of Knowledge. *Medico Friend Circle Bulletin*, 2019, 380: 9-15.
 30. Ghodajkar P, Das S, Sarkar A, Gandhi M P, Gaitonde R, Priya R. Towards Re-Framing Operation Design for HFA 2.0: Factoring in Politics of Knowledge in Health Systems. *Medico Friend Circle Bulletin*, 2019, 380: 16-25.
 31. Vikas Bajpai, 'National Health Policy, 2017: Revealing Public Health Chicanery.' *Economic and Political Weekly*, 2018; Vol. 53 (28): 31-35.
- Vikas Bajpai: 'Puran Cheros of India and the Meaning of Activism.' Accepted for publication in *Economic and Political Weekly*. 37. DOI: 10.4103/ijmr.IJMR_779_18.

SCIS:

Ahmad Shandar, ECG anomaly class identification using LSTM and error profile modeling, Sucheta Chauhan and LovekeshVig, *Computers in biology and medicine*, 109,14-21, 2019.

Ahmad Shandar, Enabling full-length evolutionary profiles based Deep Convolutional Neural Network for predicting DNA-binding proteins from sequence, Sucheta Chauhan, *Proteins: Structure, Function, and Bioinformatics*, (2019) (<https://doi.org/10.1002/prot.25763>).

Ahmad Shandar, A comparison of shallow and deep learning methods for predicting cognitive performance of stroke patients from MRI lesion images, Sucheta Chauhan, and Lovekesh Vig, Michele De Filippo De Grazia, Corbetta, Maurizio and Marco Zorzi*, *Frontiers in Neuroinformatics* (2019)13, 53.

Ahmad Shandar, Deciphering RNA-recognition patterns of intrinsically disordered proteins, Ambuj Srivastava, Michael Gromiha*, *International Journal of Molecular Sciences* (2018) 19(6), 1595.

Ahmad Shandar, Integrating sequence and gene expression information predicts human genome-wide DNA-binding proteins and suggests a cooperative mechanism, Philip Prathipati, Lokesh Tripathi, Yi-An Chen, Ajay Arya, Yoichi Murakami, Kenji Mizuguchi, *Nucleic Acids Res* (2018), 46(1), 54–70. doi: <http://dx.doi.org/10.1093/nar/gkx1166>

Bandyopadhyay Pradipta, Microscopic picture of water-ethylene glycol interaction near a model DNA by computer simulation: Concentration dependence, structure, and localized thermodynamics Atul Kumar Jaiswal, Rakesh Srivastava, Preeti Pandey, *PLoS one*, 13 (11), e0206359 (2018).

Bandyopadhyay Pradipta, A memory-based random walk model to understand diffusion in crowded heterogeneous environment Sabeeha Hasnain, Upendra Harbola Vol 32, 1850193, 2018

Jain M., Rajkumar MS, Garg R, (2018) Genome-wide discovery of DNA polymorphisms among chickpea cultivars with contrasting seed size/weight and their functional relevance. *Scientific Reports* 8, 16795. DOI:10.1038/s41598-018-35140-w.

Jain M., Chai C, Shankar R, Subudhi P[†]. (2018) Genome-wide discovery of DNA polymorphisms by whole genome sequencing differentiates weedy and cultivated rice. *Scientific Reports* 8, 14218, DOI:10.1038/s41598-018-32513-z. [†]Joint corresponding author

Bhatia H, Khemka N, Jain M, Garg R. (2018) Genome-wide bisulphite-sequencing reveals organ-specific methylation patterns in chickpea. *Scientific Reports* 8, 9704. doi: 10.1038/s41598-018-27979-w.

Jain M. Sharma C, Saripalli G, Kumar S, Gautam T, Kumar A, Rani S, Jain N, Prasad P, Raghuvanshi S, Sharma JB, Prabhu KV, Sharma PK, Balyan HS, Gupta PK. (2018) A study of transcriptome in leaf rust infected bread wheat involving seedling resistance gene Lr28. *Functional Plant Biology*. Doi: 10.1071/FP17326.

Chakraborti Anirban, HK Pharasi, K Sharma, R Chatterjee, F Leyvraz and TH Seligman, "Identifying long-term precursors of financial market crashes using correlation patterns", *New Journal of Physics* 20, 103041 (2018).

Chakraborti Anirban, AS Patel, S Juneja, PK Kanaujia, V Maurya, GV Prakash and J Bhattacharya, "Gold nanoflowers as efficient hosts for SERS based sensing and bio-imaging", *Nano-Structures & Nano-Objects* 16, 329-336 (2018).

Bhattacharjee, Arnab and Pinki Dey, "Disparity in anomalous diffusion of proteins searching for their target DNA sites in a crowded medium is controlled by the size, shape and mobility of macromolecular crowders", *Soft Matter*, 15:1960-1969,2019.

Kanaujia Binod Kumar, Ekta Thakur, Naveen Jaglan, Hemraj Saini, S D Gupta, "A Compact Notched UWB MIMO Antenna with Enhanced Performance," *Progress in Electromagnetics Research*, (USA)vol. 91, no. , pp. 39-53, 2019.

Kanaujia Binod Kumar, Amit Kumar, Abdul Quaiyum Ansari and Jugalkishor, "A Novel ITI-Shaped Isolation Structure Placed Between Two-Port CPW-Fed Dual-Band MIMO Antenna for High Isolation," *International Journal of Electronics and Communication AEU Elsevier*, (Germany) vol.104 , pp. 35-43, 2019.

Kanaujia Binod Kumar, Rakesh Nath Tiwari and Prabhakar Singh, "A Modified Microstrip Line Fed Compact UWB Antenna for WiMAX/ISM/WLAN and Wireless Communications," *International Journal of Electronics and Communication AEU Elsevier*, (Germany) vol.104 , pp. 58-65, 2019.

Kanaujia Binod Kumar, Sumer Singh and Jugalkishor, "Novel Circularly Polarized Dielectric Resonator Antenna for Microwave Image Sensing Application," *Microwave and Optical Technology Letters*, (USA)vol. 61, no.07, pp. 1821-1827, 2019.

Kanaujia Binod Kumar, Ankit Sharma, Deepak Gangwar and S Dwari, "Analysis and design of an ultra-thin metamaterial absorber and its application for in-band RCS reduction of antenna" *Journal of Electromagnetic Waves and Applications* Taylor and Francis vol.33, no.05, pp.654-667, 2019.

Kanaujia Binod Kumar, Praveen chaurasia, Santanu Dwari and Mukesh k. khandelwal, "Design and Analysis of Seven-Bands-Slot-Antenna with Small Frequency Ratio for different Wireless Applications," *International Journal of Electronics and Communication* Elsevier, (Germany) vol. 99, pp. 100-109, 2019.

Kanaujia Binod Kumar, Neetu Sehrawat and Anshul Agrawal, "Calculation of the resonant frequency of a rectangular dielectric resonator antenna using perturbation theory," *Journal of Computational Electronics* Springer vol.18, No. 01, pp. 211-221, 2019.

Kanaujia Binod Kumar, A. M. Zaidi, S. A. Imam, K. Rambabu, Kunal Srivastava and M. T. Beg, "A New Dual Band 4 x 4 Butler Matrix with Dual Band 3dB Quadrature Branch Line Coupler and Dual Band 45° Phase Shifter," *International Journal of Electronics and Communication* Elsevier, (Germany) vol. 99, pp. 215-225, 2019.

Kanaujia Binod Kumar, Ekta Thakur, Naveen Jaglan, Hemraj Saini and S D Gupta, "Probabilistic Verification Scenarios with Reduced Authentication Delay for Handoff Clients in Mesh Networks," *Wireless Personal Communication* Springer vol. 104, No. 04, pp. 1553-1573, 2019.

Kanaujia Binod Kumar, Rakesh Nath Tiwari and Prabhakar Singh, "Wideband Monopole Planar Antenna with Stepped Ground Plane for WLAN/WiMAX Applications," *Communications in Computer and Information Science* vol.958, pp.,953-964, 2019.

Kanaujia Binod Kumar, Rohit Gurjar and Dharmendra Upadhyay, Karishma Sharma, "A Novel Compact Self-Similar Fractal UWB MIMO Antenna," *International Journal of RF and Microwave Computer-Aided Engineering*, (USA) vol.29, no.03, pp.,21632, 2019.

Kanaujia Binod Kumar, Kunal Srivastava, Ashwani Kumar and S Dwari, Karu Esselle, Raj Mitra, "Wideband and High-Gain Circularly Polarized Microstrip Antenna Design Using Sandwiched Metasurfaces and Partially Reflecting Surface" *ET Microwaves, Antenna & Propagation*, (UK) vol. 13, no. 03, pp. 305-312, 2019.

Kanaujia Binod Kumar, Praveen chaurasia, Santanu Dwari and Mukesh k. khandelwal, "Metamaterial Based Circularly Polarized Hexa-Band Patch Antenna with Small Frequency Ratios for Multiple Wireless Applications" *Journal of Electromagnetic Waves and Applications* Taylor and Francis vol.33, no.04, pp.520-540, 2019.

Kanaujia Binod Kumar, Kunal Srivastava, Ashwani Kumar and S Dwari, Sachin Kumar, "Low profile coupling feed circularly polarized antennas for WLAN applications," *International Journal of RF and Microwave Computer-Aided Engineering*, (USA) vol.29, no.02, pp.,21525, 2019.

Kanaujia Binod Kumar, Rajesh Kumar, Shantanu Dwari, Sandeep Kumar and Hanjung song, "An Integrated Cascade DE Power Amplifier for RF Calibration System Towards Measurement of Bio-Sensor Applications," *Microwave and Optical Technology Letters*, (USA) vol. 61, no.01, pp. 31-36, 2019.

Kanaujia Binod Kumar, Sandeep Sharma, Maiuddin, and Mukesh Kumar Khandelwal, Sachin Kumar, "Design of 4-Element Microstrip Array of Wideband Reflector Antenna with Stable High Gain Characteristics," *Microsystem Technologies* Springer vol.98, No. 03, pp.2553-2568, 2018.

Kanaujia Binod Kumar, A. M. Zaidi, S. A. Imam, K. Rambabu and Jugalkishor, "Multi-section Branch Line Couplers as Dual Band Crossovers using Coupled Lines for Wideband Applications," *International Journal of RF and Microwave Computer-Aided Engineering*, (USA) vol.29, no.02, pp.,21523, 2019.

Kanaujia Binod Kumar, Kunal Srivastava, Ashwani Kumar and S Dwari, Sachin Kumar, "Low Profile Single Feed Monopole Antenna for Quad-Band Circularly Polarized Applications" *International Journal of Electronics* (UK) vol. 106, No.02, pp. 318-331, 2019.

Kanaujia Binod Kumar, Neeta Singh, Mirza Beg, Mainuddin, Sachin Kumar and Mukesh Khandelwal, "A Dual Band Rectifying antenna for RF Energy Harvesting," *Journal of Computational Electronics* Springer vol.17, No.04, pp.1748-1755, 2018.

Kanaujia Binod Kumar, Amit Kumar, Abdul Quaiyum Ansari and Jugalkishor, Nidhi Tewari, "Design of Triple-Band MIMO Antenna with One Band-Notched Characteristic," *Progress in Electromagnetics Research C*, (USA) vol. 86, no. , pp. 41-53, 2018.

Kanaujia Binod Kumar, Alaknanda Kunwar, A.K.Gautam and K Rambabu, "Circularly Polarized D-Shaped Slot Antenna For Wireless Applications," *International Journal of RF and Microwave Computer-Aided Engineering*, (USA) vol.29, no.01, pp.,21498, 2019.

Kanaujia Binod Kumar, Dinesh Kumar Singh, Shantanu Dwari and Ganga Prasad Pandey, "Multi band Multi Polarized Reconfigurable Circularly Polarized Monopole Antenna with Simple Biasing Network," *International Journal of Electronics and Communication* Elsevier, (Germany) vol. 95, pp. 177-188, 2018.

Kanaujia Binod Kumar, Sachin Kumar, Kang Wook Kim, Hyun Chul Choi, Shobhit Saxena, Rahul Tiwari, Mukesh k. khandelwal, Sandeep Kumar Palaniswamy, "A Low Profile Circularly Polarized UWB Antenna with Integrated GSM Band for Wireless Communication," *International Journal of Electronics and Communication AEU Elsevier, (Germany)* vol. 93, pp. 224-232, 2018.

Kanaujia Binod Kumar, Tanvi Dabas, Deepak Gangwar and A K Gautam, "[Mutual Coupling Reduction between Elements of UWB MIMO Antenna Using Small Size Uniplanar EBG exhibiting Multiple Stop Bands](#)," *International Journal of Electronics and Communication AEU Elsevier, (Germany)* vol. 93, pp. 32-38, 2018.

Kanaujia Binod Kumar, Ankit Sharma, Deepak Gangwar and S Dwari, "RCS reduction and gain enhancement of SRR inspired circularly polarized slot antenna using metasurface," *International Journal of Electronics and Communication AEU Elsevier, (Germany)* vol. 91, pp. 232-242, 2018.

Kanaujia Binod Kumar, M. K. Verma, J. P. Saini, P.S. Saini and Rakeshroshan, "Design of Fan-Shaped stacked Triple Band Antenna for WLAN/WiMAX applications," *Electromagnetic, Taylor and Francis (UK)* vol. 38, no.07, pp. 469-477, April, 2018.

Kanaujia Binod Kumar, Neeta Singh, Mirza Beg, Mainuddin, Sachin Kumar and Taimoor Khan, "A Dual Polarized Multiband Rectenna for RF Energy Harvesting," *International Journal of Electronics and Communication AEU Elsevier, (Germany)* vol. 93, pp. 123-131, 2018.

Kanaujia Binod Kumar, Rajesh Kumar, Shantanu Dwari, Sandeep Kumar and Hanjung song, "A High Efficiency On-Chip Reconfigurable Doherty Power Amplifier for LTE Communication Cells," *Microwave and Optical Technology Letters, (USA)* vol. 60, no. 10, pp. 2569-2577, 2018.

Kanaujia Binod Kumar, Kunal Srivastava, Ashwani Kumar and S Dwari, Sachin Kumar, "A CPW-Fed UWB MIMO Antenna with Integrated GSM Band and Dual Band Notches," *International Journal of RF and Microwave Computer-Aided Engineering, (USA)* vol.29, no.01, pp.,21433 2019.

Kanaujia Binod Kumar, Gunjan Mittal, Shantanu Dwari, Sandeep Kumar and Hanjung song, "2-18GHz Wide band Co-design Integrated LNA with Active Antenna for Mobile Communication technologies," *Analog Integrated Circuits and Signal Processing, Springer* vol. 96, No. 01, pp. 39-52, July 2018.

Kanaujia Binod Kumar, Rakesh Nath Tiwari, Prabhakar Singh, "Small Size Scarecrow Shaped CPW and Microstrip Line Fed UWB Antennas," *Journal of Computational Electronics Springer* vol. 17, No. 03, pp. 1047-1055, 2018.

Kanaujia Binod Kumar, Ankit Sharma, Deepak Gangwar and S Dwari, "Gain Enhancement and Broadband RCS Reduction of a Circularly Polarized Aperture Coupled Annular Slot Antenna using Metasurface," *Journal of Computational Electronics Springer* vol.17, No. 03, pp. 1037-1046, 2018.

Kanaujia Binod Kumar, Mukesh k. khandelwal, Sachin Kumar, "Design, Modeling and Analysis of Dual Feed Defected Ground Microstrip Patch Antenna with Wide Axial Ratio Bandwidth," *Journal of Computational Electronics Springer* vol.73, No. 03, pp. 2019-2028, 2018.

Kanaujia Binod Kumar, Amit Kumar, Abdul Quaiyum Ansari and Jugalkishor, "High Isolation Compact Four-Port MIMO Antenna Loaded with CSRR for Multiband Applications," *Electromagnetic, Taylor and Francis (UK)* vol.72, no.9-10, pp.415-427, April, 2018.

Kanaujia Binod Kumar, Dinesh Raheja and Sachin Kumar, "A Dual Polarized Triple Band Stacked Elliptical Microstrip Patch Antenna for WLAN Applications," *Wireless Personal Communication Springer* vol. 100, No. 04, pp. 1585-1599, 2018.

Kanaujia Binod Kumar, Praveen chaurasia, Santanu Dwari and Mukesh k. khandelwal, "Penta-Band Microstrip Patch Antenna with Small Frequency Ratios using Metamaterial for Wireless Applications," *International Journal of Microwave and Wireless Technologies Cambridge University Press, (UK)* vol. 10, No. 08, pp. 965-977, 2018.

Kanaujia Binod Kumar, Praveen chaurasia, Santanu Dwari and Mukesh k. khandelwal, "Antenna With Hexa-Band Capabilities For Multiple Wireless Applications," *Progress in Electromagnetics Research C, (USA)* vol. 82, pp.109-122, 2018.

Kanaujia Binod Kumar, Kunal Srivastava, Ashwani Kumar and S Dwari, Karu Esselle, Raj Mitra, "Integrated GSM-UWB Fibonacci-type Antennas with Single, Dual and Triple Notched Bands," *IET Microwaves, Antenna & Propagation, (UK)* vol. 12, no. 06, pp. 1004-1012, May, 2018.

Kanaujia Binod Kumar, Shilpee Patil, A. K. Singh and R L Yadav, "Design of Dual Band Dual Sense Circularly Polarized Wide Slot Antenna with C-shaped Radiator for Wireless Applications," *Frequenz (Germany)* vol. 72, no.7-8, pp. 343-351, 2018.

Kanaujia Binod Kumar, Tanvi, Deepak Gangwar and K. Rambabu, "Design of Multi-band Multi-polarized Single Feed Patch Antenna," *IET Microwaves, Antenna & Propagation, (UK)* vol.12, no. 15, pp. 2372-

2378, 2018.

Krishnamachari Annangarachari, Vinod Kumar Singh, Vipin Kumar, "Prediction of replication sites in *Saccharomyces cerevisiae* genome using DNA segment properties: multi-view ensemble learning (MEL) approach, *Biosystems* 163, p59-69, 2018

Krishnamachari Annangarachari, A K Jaiswal, Physicochemical property based computational scheme for classifying DNA sequence elements of *Saccharomyces cerevisiae* *Computational biology and chemistry* 79, 193-201, 2019

Lynn Andrew M., Vijay Kumar, Amresh Prakash, Anil Kumar Tomar, Ankit Srivastava, Bishwajit Kundu, Md Imtaiyaz Hassan; "Exploring the aggregation-prone regions from structural domains of human TDP-43" *Biochimica et Biophysica Acta (BBA)- Proteins and Proteomics*, (2019) 1867,3,286-296.

Lynn Andrew M., Deepak R Bharti, Anmol J Hemrom; "GCAC: galaxy workflow system for predictive model building for virtual screening"; *BMC Bioinformatics* (2019) 19 (Suppl 13) :550

Lynn Andrew M., Sabab Hasan Khan, Amresh Prakash, Preeti Pandey, Asimul Islam, Md Imtaiyaz Hassan, Faizan Ahmad; "Protein folding: Molecular dynamics simulations and in vitro studies for probing mechanism of urea-and guanidinium chloride-induced unfolding of horse cytochrome-c" *International Journal of Biological Macromolecules*, 2019, 122 695-704.

Lynn Andrew M., Atanu Banerjee, Poonam Vishwakarma, Antresh Kumar, Rajendra Prasad; "Information theoretic measures and mutagenesis identify a novel linchpin residue involved in substrate selection within the nucleotide-binding domain of an ABCG family exporter Cdr1p", *Archives of Biochemistry and Biophysics* 663, (2019), Pages 143-150.

Lynn Andrew M., Sunita Gupta, Vibha Gupta; "Standardization of virtual-screening and post-processing protocols relevant to in-silico drug discovery", *Biotech* (2018) 8: 504

Lynn Andrew M., Mohd Wasi, Nitesh Kumar Khandelwal, Poonam Vishwakarma, Alok K Mondal, Rajendra Prasad; "Inventory of ABC proteins and their putative role in salt and drug tolerance in *Debaryomyces hansenii*" , *Gene*, 676, 227-242, 2018

Lynn Andrew M., Poonam Vishwakarma, Atanu Banerjee, Ritu Pasrija, Rajendra Prasad, "Phylogenetic and conservation analyses of MFS transporters", *3 Biotech* (2018) 8: 462. <https://doi.org/10.1007/s13205-018-1476-8>

Lynn Andrew M., Kumari, Sonam; Kumar, Mohit; Khandelwal, Nitesh Kumar; Kumari, Priya; Varma, Mahendra; Vishwakarma, Poonam; Shahi, Garima; Sharma, Suman; Prasad, Rajendra; "ABC transportome inventory of human pathogenic yeast *Candida glabrata*: Phylogenetic and expression analysis", *Plos one*, 13 8 e0202993, 2018, Public Library of Science.

Lynn Andrew M., Khurana, Gagandeep K; Vishwakarma, Poonam; Puri, Niti; "Phylogenetic Analysis of the vesicular fusion SNARE machinery revealing its functional divergence across Eukaryotes", *Bioinformation*, 14 7 361-368 2018.

Lynn Andrew M., Prakash, Amresh; Kumar, Vijay; Haque, Rizwanul; "Insights into the DNA binding induced thermal stabilization of transcription factor FOXp3", *Journal of Biomolecular Structure and Dynamics*, 1-27, 2018 Taylor and Francis.

Lynn Andrew M., Wasi, Mohd; Khandelwal, Nitesh Kumar; Vishwakarma, Poonam; Mondal, Alok K; Prasad, Rajendra; "Inventory of ABC proteins and their putative role in salt and drug tolerance in *Debaryomyces hansenii*", *Gene*, 676 2227-242 2018, Elsevier.

Lynn Andrew M., Prakash, Amresh; Kumar, Vijay; Meena, Naveen Kumar; "Elucidation of the structural stability and dynamics of heterogeneous intermediate ensembles in unfolding pathway of the N-terminal domain of TDP-43", *RSC Advances*, 8 35 19835-19845, 2018 Royal Society of Chemistry.

Lynn Andrew M., Kumar, Vijay; Prakash, Amresh; Pandey, Preeti; Hassan, Md Imtaiyaz; ; "TFE-induced local unfolding and fibrillation of SOD1: bridging the experiment and simulation studies", *Biochemical Journal*, BCJ20180085, 2018, Portland Press Limited.

Lynn Andrew M., Kumar, Vijay; Prakash, Amresh; "Alterations in local stability and dynamics of A4V SOD1 in the presence of trifluoroethanol", *Biopolymers*, 109 3 e23102, 2018.

Lynn Andrew M., Prakash, Amresh; Kumar, Vijay; Meena, Naveen Kumar; Hassan, Md Imtaiyaz : "Comparative analysis of thermal unfolding simulations of RNA recognition motifs (RRMs) of TAR DNA-binding protein 43 (TDP-43)", *Journal of Biomolecular Structure and Dynamics*, 1-17, 2018 Taylor and Francis

Shah Sapna Ratan, Rohit Kumar "Performance of blood flow with suspension of nanoparticles through tapered stenosed artery for jeffrey fluid model" *International Journal of Nanoscience*, (2018) 17, 1850004 (1-7).

Sharma Rita, Kundu S*, (2018) Origin, evolution, and divergence of plant class C GH9 endoglucanases. *BMC Evolutionary Biology* 18 (1), 79.

Subbarao Naidu, Roshan Tumdam, Amarjeet Kumar, B.S.Balaji, In Silico Study Directed Towards Identification of Novel High Affinity Inhibitors Targeting An Oncogenic Protein: BRD4-BD1, SAR and QSAR in Environmental Research(2018), 29(12), 975-996

Subbarao Naidu, Shashi S. Singh, Sarah Naiyer, Ravi Bharadwaj, Amarjeet Kumar, Yatendra P. Singh, Ashwini K. Ray, Alok Bhattacharya and Sudha Bhattacharya “stress-induced nuclear depletion of *Entamoeba histolytica* 3’-5’exoribonuclease EhRrp6, its role in growth and erythrophagocytosis”, *Journal of Biological Chemistry*(2018),293(42), 16242-16260

Subbarao Naidu, Mohd. Babu Khan, Bhagath Kumar Palaka, Tuleshwori Devi Sapam, and Dinakara Rao Ampasala Screening and analysis of acetyl-cholinesterase (AChE) inhibitors in the context of Alzheimer’s disease, *Bioinformation* (2018), 14(8), 414-428

Subbarao Naidu, Mohammad K. Parvez, Molecular analysis and modeling of hepatitis E virus helicase, and identification of novel inhibitors by virtual screening, *Biomed Research International*(2018)

Subbarao Naidu, Danishuddin, Mohammad Faheem, Shahper Nazir Khan, Polycomb repressive complex 2 inhibitors: emerging epigenetic modulators, Accepted for publication in *Drug Discovery Today*(2018)

Subbarao Naidu, Amarjeet Kumar, Suman Dhar, In-silico identification of Inhibitors against *Plasmodium falciparum* Histone deacetylase 1, *Journal of Molecular Modeling*(2018), 24,232.

Subbarao Naidu, Atul Kumar Jaiswal, Syed Hussain Abbas Husaini, Amarjeet Kumar, Designing novel inhibitors against *Mycobacterium tuberculosis* FadA5 (acetyl-CoA acetyltransferase) by virtual screening of known anti-tuberculosis (bioactive) compounds, *Bioinformation*(2018), 14(6),327-336.

Subbarao Naidu, Amarjeet Kumar and Naidu Subbarao Samina khatun, Riyaz Uddeen, shama yasmeen, calorimetric, spectroscopic and molecular modelling insights into the interaction of gallic acid with bovine serum albumin(2018) ,12(2)-85-94

Singh Brojen R.K., Soibam Shyamchand Singh, Dineshchandra Haobijam, Md Zubair Malik, Romana Ishrat, Fractal rules in brain networks: Signatures of self-organization. *Journal of theoretical biology.* 437, 58-66 (2018).

Singh Brojen R.K., Shahnawaz Ali, Md. Zubair Malik, Soibam Shyamchand Singh, Keilash Chirom, Romana Ishrat. Exploring novel key regulators in breast cancer network, *PlosOne*, 13(6), e0198525 (2018).

Singh Brojen R.K., Sharma, Saurabh Kumar, Md Zubair Malik, and Stochastic synchronization of neurons: the topological impacts. *Bioinformation* 14 (9), 504 (2018).

Singh Brojen R.K., Sharma, Saurabh Kumar, Dineshchandra Haobijam, Soibam Shyamchand Singh, Md Zubair Malik, Neuronal communication: Stochastic neuron dynamics and multi-synchrony states. *AEU-International Journal of Electronics and Communications*, 100, 75-85 (2019).

Singh Brojen R.K., Bhadana, Jyoti, Md Zubair Malik, Universality in stochastic enzymatic futile cycle. *Applied Mathematical Modelling*,74, 658-667 (2019).

Singh Brojen R.K., Sanjeet Maisnam, Generalization of neuron network model with delay feedback, *Heliyon*, 5(5): e01643 (2019).

Singh Brojen R.K., Sharma, Saurabh Kumar, Soibam Shyamchand Singh, Dineshchandra Haobijam, Md Zubair Malik, Organization in complex brain networks: energy distributions and phase shift. *J Theor Biol*, 476, 30-35 (2019).

Singh Brojen R.K., KABITA KHOIROM, INDRAJIT SHARMA, RAMKUMAR THAPA. Pressure-induced structural phase transition and electronic structure of In_{1-x}Ga_xP alloys: a DFT study. *Turkish J. Phys.* (2019) 43: 127 – 137.

Singh Brojen R.K., L. Herojit Singh, P Sapra, Development of Algorithm of Traditional Kei-Yen Game. *J. Comp. Comm.* 6, 45-56 (2018).

SBT-

1. Kumar N, Aditi Singh, Sonam Grover, Anchala Kumari, PK Dhar, (2018) Ramesh Chandra, Abhinav Grover. HHV-5 epitope: a potential vaccine candidate with high antigenicity and large coverage. *Journal of Biomolecular Structure and Dynamics* 37 (8), 2098-2109.
2. HYPO: A Database of Human Hypothetical Proteins. Sundararajan VS, Malik G, Ijaq J, Kumar A, Das PS, P R S, Nair AS, Dhar PK, Suravajhala P. *Protein Pept Lett.* 2018;25(8):799-803.

3. Garhyan, J, Das, B. and Bhatnagar, R. (2019). Mesenchymal stem cells: A hidden arsenal for Mtb persistence, resuscitation and reactivation. In: *Mycobacterium tuberculosis: Molecular Infection Biology, Pathogenesis, Diagnostics and new Interventions*. Springer Nature Singapore Pte Ltd. (In Press)
4. Garg, R., Mani, R., Gupta, M., Tripathi, D., Chandra, H., Bhatnagar, R. and Banerjee, N. (2019). Importance of cell wall-associated Poly- α -L-glutamine in the biology of pathogenic mycobacteria. In: *Mycobacterium tuberculosis: Molecular Infection Biology, Pathogenesis, Diagnostics and new Interventions*. Springer Nature Singapore Pte Ltd. (In Press)
5. Mohan, S., Rangappa, S., Fuchs, J.E., Bender, A. and Bhatnagar, R. (2019). Sulfated ceria catalyzed synthesis of imidazopyridines and their implementation as DNA minor groove binders. *Chem.biodivers*. doi:10.1002/cbdv.201800435
6. Malik, A., Gupta, M., Mani, R. and Bhatnagar, R. (2019) Single dose Ag85B-ESAT-6 loaded PLGA nanoparticles confer protective immunity against tuberculosis. *Int. J. Nanomedicine* 14: 3129—3143
7. Majumder, S., Das, S., Somani, V., Makam, S.S., Kingston, J.J. and Bhatnagar, R.(2019). A bivalent protein r-PABxpB comprising PA domain IV and exosporium protein BxpB confers protection against *B. anthracis* spores and toxin *Front. Immunol.* DOI:10.3389/fimmu.2019.00498
8. Aggarwal, S., Somani, V., Gupta, S., Garg, R. and Bhatnagar, R., (2019) Development of a novel multiepitope chimeric vaccine against anthrax. *Med. Micro. Immunology*. DOI: 10.1007/s00430-019-00577-x
9. Kandari, D., Gopalani, M., Gupta, M., Joshi, H. and Bhatnagar, R. (2019) Identification, Functional Characterization, and Regulon Prediction of the Zinc Uptake Regulator (zur) of *Bacillus anthracis* – An Insight Into the Zinc Homeostasis of the Pathogen. *Front. Microbiol.* DOI: [10.3389/fmicb.2018.03314](https://doi.org/10.3389/fmicb.2018.03314)
10. Nayak, P.S., Boorah, S.M., Gogoi, H., Asthana, S., Bhatnagar, R., Jha, A.N. and Jha, S. (2019) Lactoferrin adsorption onto silver nanoparticle interface: Implications of corona on protein conformation, nanoparticle cytotoxicity and the formulation adjuvanticity. *J. Chem. Engg.* DOI: [10.1016/j.cej.2018.12.084](https://doi.org/10.1016/j.cej.2018.12.084)
11. Singh, D., Rahi, A., Kumari, R., Gupta, V., Gautam, G., Aggarwal, S., Rehan, M. and Bhatnagar, R. (2019). Computational and mutational analysis of TatDDNase of *Bacillus anthracis*. *J. Cell Biochem.* DOI: [10.1002/jcb.28408](https://doi.org/10.1002/jcb.28408).
12. Mani R, Gupta M, Malik A, Tandon R, Prasad R, Bhatnagar R, Banerjee N.(2018) Adjuvant Potential of Poly- α -L- glutamine from Cell Wall of *Mycobacterium tuberculosis*. *Infect Immun.* Doi: [10.1128/IAI.00537-18](https://doi.org/10.1128/IAI.00537-18).
13. Kant, N., Kulshreshtha, P., Singh, R., Mal, A., Dwivedi, A., Ahuja, R., Mehra, R., Tehlan, M., Ahmed, P., Kaushik, S., Shipra, Kumar, S., Mohammed, A., Shukla, S., Singh, D. and Bhatnagar, R. (2018). A study to identify the practices of the buffalo keepers which inadvertently lead to the spread of brucellosis in Delhi. *BMC Veterinary Research* 14(1) DOI: [10.1186/s12917-018-1670-2](https://doi.org/10.1186/s12917-018-1670-2)
14. Malik A. and Bhatnagar, R. (2018). Novel application of Trimethyl chitosan as an adjuvant in vaccine delivery. *Int. J. Nanomedicine* 13 : 7959—7970.
15. Majumder, S., Das, S., Somani, V., Makam, S.S., Kingston J. J., Bhatnagar, R. (2018) A bivalent protein r-PB, comprising PA and Bcl Aimmunodominant regions for comprehensive protection against *Bacillus anthracis*. *Scientific Reports*. 8:7242.
16. Alka Jadaun, Sapna Sharma, Radha Verma, Aparna Dixit (2019) Pinostrobin inhibits proliferation and induces apoptosis in cancer stem like cells through reactive oxygen species-dependent mechanism. *RSC Advances* (accepted, *in press*).
17. Jasvir Kaur, Neetu Yadav, Moirangthem Singh, Mohd Jahir Khan, Sobhan Sen, Aparna Dixit, Devapriya Choudhury (2019) Role of Ser65, His148 and Thr203 in the organic solvent dependent spectral shift in Green fluorescent protein. *J. Photochem. Photobiol. B*. 95:543-555. doi: 10.1111/php.13018. Epub 2018 Oct 25.
18. R. Verma, B. S. Balaji, Aparna Dixit (2018) Phytochemical analysis and broad spectrum antimicrobial activity of ethanolic extract of *Jasminum mesnyi* Hance leaves and its solvent - partitioned fractions. *Bioinformation* 14: 430-439.
19. S. K. Yadav, P. Dash, P. K. Sahoo, L. C. Garg, Aparna Dixit (2018) Modulation of immune response and protective efficacy of recombinant outer-membrane protein F (rOmpF) of *Aeromonas hydrophila* in *Labeo rohita*. *Fish Shellfish Immunol.* 80,563-572.

20. H. Kaushik, Aparna Dixit, L. C. Garg (2018) Synthesis of peptide based epsilon toxin vaccine by covalent anchoring to tetanus toxoid. *Anaerobe* 53:50-55. doi: 10.1016/j.anaerobe.2018.06.008.
21. Suppression, Disaggregation, and Modulation of γ -Synuclein Fibrillation Pathway by Green Tea Polyphenol EGCG, S. Roy and R. Bhat, *Protein Sci.*, 2019, 28(2): 382-402.
22. Effect of polyols on the structure and aggregation of recombinant human γ -Synuclein, an intrinsically disordered protein, S. Roy and R. Bhat, *Biochim. Biophys. Acta, Proteins Proteomics*, 2018, 1866(10): 1029-1042.
23. Comparative analysis of the conformation, aggregation, interaction, and fibril morphologies of human α , β , and γ synuclein proteins, M. K. Jain, P. Singh, S. Roy, and R. Bhat, *Biochemistry*, 2018, 57(26): 3830–3848.
24. Khushdeep Bandesh, Gauri Prasad, Anil K Giri, Yasmin Kauser, Medha Upadhyay, INDICO, Analabha Basu, Nikhil Tandon & Dwaipayan Bharadwaj (2019) Genome-Wide Association Study of blood lipids in Indians confirms universality of established variants. *J. Hum. Gen.* 64(6): 573-587 PMID: 30911093
25. Khushdeep Bandesh, Punam Jha, Anil K. Giri, Raman K. Marwaha, INDICO, Vinod Scaria, Nikhil Tandon & Dwaipayan Bharadwaj (2019) "Normative range of blood biochemical parameters in urban Indian school - going adolescents". *PLOS ONE* 14(3):e0213255. doi: 10.1371/journal.pone.0213255. eCollection 2019. PMID: 30845211
26. Gauri Prasad, Anil K Giri, , INDICO, Analabha Basu, Nikhil Tandon & Dwaipayan Bharadwaj (2019) Genome-wide association study for C-reactive protein in Indians replicates known associations of common variants. *J. Genetics* 98(1). pii: 10
27. Khushdeep Bandesh, Gauri Prasad, Anil Kumar Giri, V. Saroja Voruganti, Nancy F. Butte, Shelley A. Cole, Anthony G. Comuzzie, INDICO Consortium, Nikhil Tandon & Dwaipayan Bharadwaj (2019) Genome-wide association study of C-peptide surfaces key regulatory genes in Indians. *J. Genetics* 98(1). pii: 2
28. Carlota Dobaño, Rebeca Santano, Marta Vidal, Alfons Jiménez, Chenjerai Jairoce, Itziar Ubillos, David Dosoo, Ruth Aguilar, Nana Aba Williams, Núria Díez-Padrisa, Aintzane Ayestaran, Clarissa Valim, Kwaku Poku Asante, Seth Owusu-Agyei, David Lanar, Virander Chauhan, Chetan Chitnis, Sheetij Dutta, Evelina Angov, Benoit Gamain, Ross L. Coppel, James G. Beeson, Linda Reiling, Deepak Gaur, David Cavanagh, Ben Gyan, Augusto J. Nhabomba, Joseph J. Campo and Gemma Moncunill (2019) Differential Patterns of IgG Subclass Responses to *Plasmodium falciparum* Antigens in Relation to Malaria Protection and RTS,S Vaccination. *Frontiers in Immunology* published: 15 March 2019 Volume 10 | Article 439 doi: 10.3389/fimmu.2019.00439
29. Ubillos I, Aguilar R, Sanz H, Jiménez A, Vidal M, Valmaseda A, Dong Y, Gaur D, Chitnis CE, Dutta S, Angov E, Aponte JJ, Campo JJ, Valim C, Harezlak J, Dobaño C. (2018) Analysis of factors affecting the variability of a quantitative suspension bead array assay measuring IgG to multiple Plasmodium antigens. *PLoS One*. Jul 2; 13(7): e0199278.
30. Ubillos I, Jiménez A, Vidal M, Bowyer PW, Gaur D, Dutta S, Gamain B, Coppel R, Chauhan V, Lanar D, Chitnis C, Angov E, Beeson J, Cavanagh D, Campo JJ, Aguilar R, Dobaño C. (2018) Optimization of incubation conditions of Plasmodium falciparum antibody multiplex assays to measure IgG, IgG₁₋₄, IgM and IgE using standard and customized reference pools for sero-epidemiological and vaccine studies. *Malaria Journal*. 2018 Jun 1; 17(1):219.
31. Mishra N, Reddy KS, Timilsina U, Gaur D, Gaur R (2018) Human APOBEC3B interacts with the heterogenous nuclear ribonucleoprotein A3 in cancer cells. *Journal of Cellular Biochemistry* Aug; 119(8):6695-6703.
32. Valmaseda A, Macete E, Nhabomba A, Guinovart C, Aide P, Bardají A, Bassat Q, Nhampossa T, Maculve S, Casellas A, Quintó L, Sanz S, Jiménez A, Feng G, Langer C, Chitnis CE, Chauhan VS, Aguilar R, Aponte J, Dobaño C, Beeson J, Gaur D, Menéndez C, Alonso PL, Mayor AG (2018) Identifying immune correlates of protection against Plasmodium falciparum through a novel approach to account for heterogeneity in malaria exposure. *Clinical Infectious Diseases* Feb 1; 66(4):586-593.
33. Gupta MK, Agarawal M, Banu K, Reddy KS, Gaur D, Dhar SK. (2018) Role of Chromatin assembly factor 1 in DNA replication of *P. falciparum*. *Biochemical Biophysical Research Communications* Jan 1; 495 (1):1285-1291.

34. Shailendra Yadav, Arvind Kumar, Manish Gupta and S. S. Maitra, "Cross-reactivity of Prokaryotic 16S DNA-Specific Primers to Eukaryotic DNA : Mistaken microbial community profiling in environmental samples" *Current Microbiology* Vol.75: page1038–104, online 2 April 2018 doi.org/10.1007/s00284-018-1482-4
35. R. Tumdam, A. Kumar, N. Subbarao, B.S. Balaji, In Silico Study Directed Towards Identification of Novel High Affinity Inhibitors Targeting An Oncogenic Protein: BRD4-BD1, SAR and QSAR in Environmental Research, 2018, 29, 975-996.
36. B. S. Balaji and Neha Dalal, An Expedient and Rapid Green Chemical Synthesis of N-Chloroacetanilides and Amides Using Acid Chlorides Under Metal free Neutral Conditions, *Green Chemistry Letters and Reviews*, 2018, 11, 552-558.
37. B. S. Balaji and Neha Dalal, An Expedient, Chemoselective N-chloroacetylation of Aminoalcohols Under Metal Free Bio-compatible Conditions, *Green Chemistry Letters and Reviews*, 2018, 11, 534-543.
38. Rajesh Mishra, Mathias Elglanda, Afshan Beguma, Timmy Fyrnera, Peter Konradssona, Sofie Nyströma and Per Hammarströma. Impact of N-glycosylation site variants during human PrP aggregation and fibril nucleation. *BBA Proteins and Proteomics*, 2019, Accepted 25 March, <https://doi.org/10.1016/j.bbapap.2019.03.010>
39. Ramanujan A., Guha M., Tiwari S. LxCxE based FZR1-Retinoblastoma interaction in regulation of G1-S transition and maintenance of genomic stability. (Under review)
40. Devi, S, Yadav, R, Chanana, P and Arya, R. Fighting the cause of Alzheimer's and GNE Myopathy. *Frontiers in Neuroscience, Section: Neurodegeneration* DOI: 10.3389/fnins.2018.00669, 2018
41. Singh, R. , Choudhary, P and Arya, R*. *Role of IGF-1 in ameliorating apoptosis of GNE deficient cells*, 2018, *Sci. Rep.* doi.10.1038/s41598-018-25510-9
42. Lal G, Rajala MS. Combination of oncolytic measles virus armed with BNiP3, a pro-apoptotic gene and paclitaxel induces breast cancer cell death. 2018. *Front. Oncol.* 8:676, doi: 10.3389/fonc.2018.00676.
43. Singh P, Kumar N, Jethva M, Yadav S, Thakur A, Kushwaha HR Riboswitch Regulation in Cyanobacteria is Independent of their Niche Adaptations *Physiology and Molecular biology of Plants (PMBP)*, 2018, 24(2); 315-324
44. Das M and Grover A* (2018) Fermentation optimization and mathematical modeling of glycerol-based microbial poly (3-hydroxybutyrate) production. *Process Biochemistry* 71(2018):1-11
45. Goyal S, Jamal S, Shanker A and Grover A* (2019) Structural basis for drug resistance mechanisms against anaplastic lymphoma kinase. *Journal of Cellular Biochemistry* 120(1):768-777
46. Singh A, Somvanshi P* and Grover A* (2019) Drug repurposing against arabinosyl transferase (EmbC) of *Mycobacterium tuberculosis*: essential dynamics and free energy minima based binding mechanics analysis. *Gene* 693:114-126
47. Rabha A, Singh A, Grover S, Kumari A, Pandey B and Grover A* (2019) Structural basis for Isoniazid resistance in KatG double mutants of *Mycobacterium tuberculosis*. *Microbial Pathogenesis* 129:152-160
48. Singh A, Das M and Grover A* (2019) Molecular mechanism of Acetoacetyl-CoA enhanced kinetics for increased bioplastic production from *Cupriavidus necator* 428. *Journal of Biomolecular Structure and Dynamics* (In Press) DOI <https://doi.org/10.1080/07391102.2019.1590239>
49. Soni D and Grover A* (2019) "Picrosides" from *Picrorhizakurroa* as Potential Anti-carcinogenic Agents. *Biomedicine & Pharmacotherapy* 109(2019):1680-87
50. Kaur G, Pandey B, Kumar A, Garewal N, Grover A and Kaur J* (2019) Drug targeted virtual screening and molecular dynamics of LipU protein of *Mycobacterium tuberculosis* and *Mycobacterium leprae*. *Journal of Biomolecular Structure and Dynamics* 37 (5), 1254-1269
51. Singh A, Somvanshi P* and Grover A* (2018) Pyrazinamide drug resistance in RpsA mutant (Δ 438A) of *Mycobacterium tuberculosis*: Dynamics of essential motions and free energy landscape analysis. *Journal of Cellular Biochemistry* (In Press) DOI: 10.1002/jcb.28013
52. Li G, Jones KC, Eudes A, Pidatala VR, Sun J, Xu F, Zhang C, Wei T, Jain R, Birdseye D, Canlas P, Baidoo EK, Duong PQ, Sharma MK, Singh S, Raun D, Keasling JD, Mortimer JC, Lorque D, Bartley LE, Scheller HV and Ronald PC (2018) Overexpression of a rice BADH acyltransferase gene in switchgrass (*Panicum virgatum* L.) enhances saccharification. *BMC Biotechnology*, 18:54

doi.org/10.1186/s12896-018-0464-8.

53. Kaur US, Shet A, Rajnala N, Gopalan BP, Moar P, D H, Singh BP, Chaturvedi R, Ravi Tandon*, "High Abundance of genus Prevotella in the gut of perinatally HIV-infected children is associated with IP-10 levels despite therapy" Sci Rep. 2018 Dec 5;8(1):17679. doi: 10.1038/s41598-018-35877-4. (*Corresponding author)
54. Rajesh Mani, Manish Gupta, Anshu Malik, Ravi Tandon, Rajendra Prasad, Rakesh Bhatnagar, Nirupama Banerjee, "Adjuvant Potential of Poly- α -L-glutamine from Cell Wall of Mycobacterium tuberculosis" Infection and Immunity. 2018. doi:10.1128/IAI.00537-18
55. Juneja, S., Madhavan, A. A., Ghosal, A., Moulick, R. G., & Bhattacharya, J.*; Synthesis of Graphenized Au/ZnO Plasmonic Nanocomposites for Simultaneous Sunlight mediated Photocatalysis and Anti-microbial Activity. *Journal of Hazardous Materials*. 2018, 347, 378-389
56. Arun Singh Patel[#], Subhavna Juneja[#], Pawan K. Kanaujia, G. Vijaya Prakash, Vikas Maurya, Anirban Chakraborti, Jaydeep Bhattacharya* Gold nanoflowers as efficient hosts for Surface Enhanced Raman Scattering and Bioimaging. *Nano-structures and Nano-objects*, 2018, 16, 329-336. ([#]Equal Authorship)
57. Ajita Jindal, Subhavna Juneja, Madhurima Bakshi, Punarbasu Chaudhuri, Jaydeep Bhattacharya*; Mesoporous zinc silicate bio-composite: Preparation, characterization and in vitro evaluation; *Microporous and Mesoporous Materials*, 2019, 277, 124–131.
58. A. Asha Madhavan, S. Juneja, P. Sen, R. Ghosh Moulick* and J. Bhattacharya* Gold Nanoparticle-Based Detection of Low Molecular Weight AGEs from In Vitro Glycated Haemoglobin A0 Samples; *Nanoscale Research Letters*, 2018, 13:390.
59. Ajita Jindal, Neha Yadav, Kollori Dhar, Ranjita Ghosh Moulick* and Jaydeep Bhattacharya*; Bi-functionalization of glass surfaces with poly-L-lysine conjugated silica particles and polyethylene glycol for selective cellular attachment and proliferation; *Journal of Materials Science* 54.3 (2019): 2501-2513.

SPS-

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
On the Selmer group of certain p-adic Lie extension	Bhave, A. , Bora, L.	Bulletin of Australian Mathematical Society	2019		JNU	
Universal validity of Einstein relation and size-dependent viscosity and surface-active characteristics of nanofluids	Sukumaran, A., Das, K., Rawat, K., Bohidar, H. B.	International Journal of Nanoscience	2018		JNU	
In-situ Observation of Hierarchical Self-Assembly Driven by Bicontinuous Gelation in Mixed Nanodisc Dispersions	Pujala, R.K., Schneijdenberg, C. T. W. M., Van Blaaderen, A., Bohidar, H. B.	Scientific Reports	2018		JNU	
Bandgap tunable AgInS based quantum dots for high	Mir, I. A., Radhakrishnan, V. S.,	Scientific Reports	2018		JNU	

contrast cell imaging with enhanced photodynamic and antifungal applications	Rawat, K., Prasad, T., Bohidar, H. B.					
Zener diode behavior of nitrogen-doped graphene quantum dots	Nag, J., Rawat, K., Asokan, K., Kanjilal, D., Bohidar, H. B.	Physica E: Low-Dimensional Systems and Nanostructures	2018		JNU	
Antimicrobial and biocompatibility of highly fluorescent ZnSe core and ZnSe@ZnS core-shell quantum dots	Mir, I. A., Alam, H., Priyadarshini, E., Meena, R., Rawat, K., Rajamani, P., Rizvi, M.S., Bohidar, H. B.	Journal of Nanoparticle Research	2018		JNU	
Size-dependent magnetic properties of cubic-phase MnSenanospheres emitting blue-violet fluorescence	Das, K., Ahmedmir, I., Ranjan, R., Bohidar, H. B.	Materials Research Express	2018		JNU	
Carbon dots-modified chitosan based electrochemical biosensing platform for detection of vitamin D	Sarkar, T., Bohidar, H. B. , Solanki, P. R.	International Journal of Biological Macromolecules	2018		JNU	
Antifungal efficacy of Au@ carbon dots nanoconjugates against opportunistic fungal pathogen, Candida albicans	Priyadarshini, E., Rawat, K., Prasad, T., Bohidar, H. B.	Colloids and Surfaces B: Biointerfaces	2018		JNU	
Imidazolium based ionic liquid induced DNA gelation at remarkably low concentration	Pandey, P.K., Rawat, K., Aswal, V. K., Kohlbrecher, J., Bohidar, H. B.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018		JNU	
Mechanism and Dynamics of Long-Term Stability of Cytochrome-c Conferred by Long-Chain Imidazolium Ionic Liquids at Low Concentration	Singh, U. K., Kumari, M., Khan, S. H., Bohidar, H. B.	ACS Sustainable Chemistry and Engineering	2018		JNU	
pH and ionic strength induced complex coacervation of Pectin and Gelatin A	Joshi, N., Rawat, K., Bohidar, H. B.	Food Hydrocolloids	2018		JNU	

Mixing ratio dependent complex coacervation: Versus bicontinuous gelation of pectin with in situ formed zein nanoparticles	Kaushik, P., Rawat, K., Aswal, V. K., Kohlbrecher, J., Bohidar, H. B.	Soft Matter	2018		JNU	
Eco-friendly synthesis of CuInS and CuInS@ZnS quantum dots and their effect on enzyme activity of lysozyme	Mir, I. A., Das, K., Akhter, T., Ranjan, R., Patel, R., Bohidar, H. B.	RSC Advances	2018		JNU	
Area negative thermal expansion in a mixed metal mixed organic MOF: "elevator-platform" mechanism induced by O–H···O hydrogen bonding	Shrivastava, A., Negi, L., Das, D.	CrystEng Comm.	2018		JNU	
Switching from positive to negative axial thermal expansion in two organic crystalline compounds with similar packing	Negi, L., Shrivastava, A., Das, D.	Chem. Commun.	2018		JNU	
Uniaxial negative thermal expansion induced by moiety twisting in an organic crystal	Das, D. , Barbour, L. J.	CrystEng Comm.	2018		JNU	
Colossal Positive and Negative Axial Thermal Expansion Induced by Scissor-like Motion of 2D Hydrogen Bonded Network in an Organic Salt	Dwivedi, B., Shrivastava, A., Negi, L., Das, D.	Cryst. Growth Des.	2018		JNU	
Polymorphism in some new bis-hydrazone compounds	Dwivedi, B., Das, D.	Acta Cryst.	2018		JNU	
Lewis Acid Catalyzed Nucleophilic Ring Opening and 1,3-Bisfunctionalization of Donor–Acceptor Cyclopropanes with Hydroperoxides: Access to Highly Functionalized Peroxy/ α -	Singh, K., Bera, T., Jaiswal, V., Biswas, S., Mondal, B., Das, D. , Saha, J.	J. Org. Chem.	2019		JNU	

Heteroatom Substituted) Peroxy Compounds						
Lewis acid catalyzed annulation of spirocyclic donor–acceptor cyclopropanes with exoheterocyclic olefins: access to highly functionalized bis-spirocyclopentane oxindole frameworks	Singh K, Pramanik, S, Hamlin, T. A, Mondal, B, Das D , Saha J.	Chem. Commun.	2019		JNU	
Scaling behavior of the self-diffusion coefficients: dependence on the mass ratio of a binary mixture	Bidhoodi, N., Das, S. P.	Phys. Rev. E	2018		JNU	
Effective utilization of waste red mud for high performance supercapacitor electrodes	Ghosh, S. , Bhattacharya, G., Roy, J., Pritam, A., Banerjee, D., Deshmukh, S., Roy, S.	Global Challenges	2018		JNU	
Current transport mechanism in ZnO and metal phthalocyanine based inorganic/organic hybrid p–n junction diodes	Ghosh, S. , Singh, B., Sharma, A.	J. Electron. Mater.	2018		JNU	
<u>Origin of ferromagnetism in Cu-doped ZnO</u>	Ghosh, S. , Ali, N., Singh, B., Khan, Z. A., Vijaya, A. R., Tarafder, K.	Scientific Reports	2019		JNU	
Bi-enzyme functionalized electrochemically reduced transparent graphene oxide platform for triglyceride detection	Ghosh, S. , Bhardwaj, S. K., Chauhan, R., Yadav, P., Mahapatro, A. K., Singh, J., Basu, T.	Biomaterials Science	2019		JNU	
Enhanced symmetry of the p-adic wavelets	Ghoshal, D. , Dutta, P., Lala, A.	Phys. Lett. B	2018		JNU	
On the topology of certain matrix groups	Gupta, V. P. , Mishra, M. M.	The Mathematics Student	2018		JNU	
Phase diagram of the Hubbard-Kondo lattice model from the variational cluster	Faye, J. P. L., Kiselev, M. N., Ram, P., Kumar, B. ,	Phys. Rev. B	2018		JNU	

approximation	Sénéchal, D.					
Impact of crystal stacking sequence on electrical transport and dielectric properties of the nanocrystalline $BaCo_{0.9}Mn_{0.1}O_{3-\delta}$	Kumar, A., Chaudhary, S., Meher, E. Abhinav, Mahato, R. N.	J. Alloys Compd.	2019		JNU	
Impact of the Sr doping on structural and magnetic properties of nanocrystalline $Ba_{1-x}Sr_xCo_{0.9}Mn_{0.1}O_{3-\delta}$ ($0 \leq x \leq 0.5$)	Kumar, A., Mahato, R. N.	J. Magn. Magn. Mater.	2019		JNU	
Critical behavior and magnetocaloric effect in ferromagnetic nanocrystalline Pr_2CoMnO_6	Bhatti, I. N., Mahato, R. N. , Bhatti, I. N., Ahsan, M. A. H.	Physica B: Condensed Matter	2019		JNU	
Structural, magnetic and electrical transport properties of nanocrystalline $SrCo_{0.5}Mn_{0.5}O_{3-\delta}$	Kumar, A., Meenakshi, Mahato, R. N.	IEEE Trans. Magn.	2018		JNU	
Effect of structural stacking on magnetocaloric and magnetodielectric properties of nanocrystalline $Ba_{1-x}Sr_xCo_{0.9}Mn_{0.1}O_{3-\delta}$ ($0.0 \leq x \leq 0.5$)	Kumar, A., Chaudhary, S., Mahato, R. N.	Physica B: Condensed Matter	2019		JNU	
Ferromagnetism in Nanocrystalline $SrCo_{0.9}Mn_{0.1}O_{3-\delta}$: A Structural, Magnetic and Electrical Transport Study	Kumar, A., Meenakshi, Mahato, R. N.	Journal of Superconductivity and Novel Magnetism	2019		JNU	
Magnetic behavior, Griffiths phase and magneto-transport study in 3d based nano-crystalline double perovskite Pr_2CoMnO_6	Bhatti, I., N., Bhatti, I., N., Mahato, R., N. , Ahsan, M., A., H.	Physics Letters A	2019		JNU	
Extricating new physics scenarios at DUNE with higher energy beams	Masud, M., Bishai, M., Mehta, P.	Scientific Reports	2019		JNU	
Impact of new physics on CP-Asymmetries at Long Baselines	Rout, J., Masud, M., Mehta, P.	Springer Proc. Phys.	2018		JNU	

Multielectron geometric phase in intensity interferometry	Wadhawan, D., Roychowdhury, K., Mehta, P. , Das, S.	Phys. Rev. B	2018		JNU	
Correlations and degeneracies among the NSI parameters with tunable beams at DUNE	Masud, M., Roy, S., Mehta, P.	Phys. Rev. D	2019		JNU	
The role of oxygen adsorption in modification of optical and surface electronic properties of MoS ₂	Mohanty, T. , Shakya, J., Kumar, S.	Journal of Applied Physics	2018		JNU	
The effect of low energy nitrogen ion implantation on graphene nanosheets	Mohanty, T. , Mishra, M., Alwarappan, S., Kanjilal, D.	Electronic Materials Letters	2018		JNU	
Analysis of Surface Potential of Copper-Modified Reduced Graphene Oxide Using Scanning Kelvin Probe Microscopy	Mohanty, T. , Shakya, J.	Advanced Science, Engineering and Medicine	2018		JNU	
Tunable optical nonlinearity of Au-TiO ₂ nanocomposites	Mohanty, T. , Kumar, A., Singh, R. P., Taneja, A.	Photonics and Nanostructures-Fundamentals and Applications	2019		JNU	
Interaction of Laser Beam with Plasmonic Nanoparticles	Mohanty, T. , Kumar, A., Singh, R. P., Taneja, A.	Frontiers in Optics	2018		JNU	
Synthesis and Isolation of a Stable Perylenediimide Radical Anion and Its Exceptionally Electron-Deficient Precursor	Kumar, Y., Kumar, S., Bansal, D., Mukhopadhyay, P.	Org. Lett.	2019		JNU	
Ionic Assembly, Anion- π , Magnetic and Electronic Attributes of Ambient Stable, Naphthalenediimide Radical Ions	Kumar, S., Malik, V., Shukla, J., Kumar, Y., Bansal, D., Chatterjee, R., Mukhopadhyay, P.	Chem. Eur. J.	2019		JNU	
Core-insertion of palladium in naphthalenediimides: Opto-electronic	Bansal, D., Kumar, Y., Kumar, S., Mandal, K.,	Inorg. Chim. Acta	2019		JNU	

properties, structural insights and coupling studies	Hundal, G., Mukhopadhyay, P.					
Downregulation of c-Myc and p21 expression and induction of S phase arrest by naphthalene diimide derivative in gastric adenocarcinoma cells	Gurung, S., Dana, S., Mandal, K., Mukhopadhyay, P. , Mondal, N.	Chemico-biological interactions	2019		JNU	
Isolation of Tetracyano-Naphthalenediimide and Its Stable Planar Radical Anion	Kumar, Y., Kumar, S., Mandal, K., Mukhopadhyay, P.	Angew. Chem. Int. Ed.	2018		JNU	
Buchwald-Hartwig Coupling at the Naphthalenediimide Core: Access to Dendritic, Panchromatic NIR Absorbers with Exceptionally Low Band Gap	Shukla, J., Ajayakumar, M. R., Mukhopadhyay, P.	Org. Lett.	2018		JNU	
Electron-poor arylenediimides	Kumar, S., Shukla, J., Kumar, Y., Mukhopadhyay, P.	Org. Chem. Front.	2018		JNU	
Role Reversal of the Carboxylate Group from Coordination to Hydrogen Bonding Only, in Structurally Diverse Metal-2-amino, 5-Nitrobenzoates: A First Report	Jassal, A. K., Sran, B. S., Mandal, K., Mukhopadhyay, P. , Hundal, G.	Cryst. Growth Des.	2018		JNU	
Doubly-Zwitterionic, Di-reduced, Highly Electron-Rich, Air-Stable Naphthalenediimides: Redox-Switchable Islands of Aromatic-Antiaromatic States	Kumar, S., Shukla, J., Mandal, K., Kumar, Y., Prakash, R., Ram, P., Mukhopadhyay, P.	Chemical Science	2019		JNU	
Ambient stable naphthalenediimide radical ions: synthesis by solvent-free, sonication, mechanical grinding or milling protocols	S. Kumar, P. Mukhopadhyay	Green Chemistry	2018		JNU	
Electron sponge from naphthalenediimide–	J. Shukla, M. R.	Chemical Communication	2018		JNU	

viologen conjugates: water-stable, highly electron-deficient polyions with 1 V potential window	Ajayakumar, Y. Kumar, P. Mukhopadhyay	s				
50. Appending Diverse π -Extended Acceptors with Appending Diverse π -Extended Acceptors with Tetrathiafulvalene/Dithiafulvalene Donors: Multistate Redox Properties, Radical Ion Generation, and Mid-IR-Absorbing Mixed Valence States	S. K. Keshri, D. Asthana, S. Chorol, Y. Kumar, P. Mukhopadhyay	Chem. Eur. J.	2018		JNU	
A Comprehensive Biophysical Analysis of the Effect of DNA binding Drugs on Protamine-induced DNA Condensation	Gupta, S, Tiwari N., Munde, M.	Scientific Reports	2019		JNU	
Leishmania parasites are inhibited by the benzoxaborole AN2690 targeting leucyl-tRNA synthetase	Manhas, R., Tandon, S, Sen, S., Tiwari, N., Munde, M. , Madhubala R.	Antimicrobial Agents and Chemotherapy	2018		JNU	
Genetic Manipulation of Leishmania donovani Threonyl tRNA Synthetase Facilitates its Exploration as a Potential Therapeutic Target	Chadha, S., Vijayan, R., Gupta, S., Munde, M. , Gourinath, S., Madhubala, R.	PLOS Neglected Tropical Diseases	2018		JNU	
Molecular insights into trypanothione reductase-inhibitor interaction: A structure-based review	Tiwari, N., Tanwar, N., Munde, M.	Arch Pharm.	2018		JNU	
Thermodynamic and conformational analysis of the interaction between antibody binding proteins and IgG	Tanwar, N., Munde, M.	Int J Biol Macromol	2018		JNU	
Dielectric and thermodynamic study of camphor and borneol enantiomers and their binary systems	Chandra, G., Murty, S. S. N.	Thermochimica Acta	2018		JNU	

Nature of magnetoelectric coupling in corundum antiferromagnet Co ₄ Ta ₂ O ₉	Chaudhary, S., Srivastava, P., Kaushik, S. D., Siruguri, V., Patnaik, S.	Journal of Magnetism and Magnetic Materials	2019		JNU	
Multiband superconductivity in Mo ₈ Ga ₄₁ driven by a site-selective mechanism	Sirohi, A., Saha, S., Neha, P., Das, S., Patnaik, S. , Das, T., Sheet, G.	Physical Review B	2019		JNU	
Characterization and High-Field Magneto-Conductivity of Co _{0.1} Bi ₂ Se ₃ Topological Insulator	Sultana, R., Gurjar, G., Patnaik, S. , Awana, V. P. S.	Journal of Superconductivity and Novel Magnetism	2019		JNU	
Nuanced superconductivity in endohedral gallide Mo ₈ Ga ₄₁	Neha, P., Sivaprakash, P., Ishigaki, K., Kalaiselvan, G., Manikandan, K., Dhaka, R.S., Uwatoko, Y., Arumugam, S., Patnaik, S.	Material Research Express	2019		JNU	
Erratum to: Evidence for trivial Berry phase and absence of chiral anomaly in semimetal NbP (Scientific Reports, (2017), 7, 1, (46062), 10.1038/srep46062)	Sudesh, Kumar, P., Neha, P., Das, T., Patnaik, S.	Scientific Reports	2018		JNU	
Facile synthesis of potassium intercalated p-terphenyl and signatures of a possible high T _c phase	Neha, P., Bhardwaj, A., Sahu, V., Patnaik, S.	Physica C: Superconductivity and its Applications	2018		JNU	
High-Field Magneto-Conductivity Analysis of Bi ₂ Se ₃ Single Crystal	Sultana, R., Gurjar, G., Patnaik, S. , Awana, V. P. S.	Journal of Superconductivity and Novel Magnetism	2018		JNU	
Low-energy excitations and non-BCS superconductivity in	Sirohi, A., Das, S., Neha, P., Jat, K. S.,	Physical Review B	2018		JNU	

Nbx-Bi2Se3	Patnaik, S., Sheet, G.					
Suppression of transport spin-polarization of surface states with emergence of ferromagnetism in Mn-doped Bi2Se3	Kamboj, S., Das, S., Sirohi, A., Roy Chowdhury, R., Gayen, S., Maurya, V.K., Patnaik, S., Sheet, G.	Journal of Physics Condensed Matter	2018		JNU	
Hikami-Larkin-Nagaoka (HLN) Treatment of the Magneto-Conductivity of Bi2Te3 Topological Insulator	Sultana, R., Gurjar, G., Neha, P., Patnaik, S., Awana, V. P. S.	Journal of Superconductivity and Novel Magnetism	2018		JNU	
High spin state driven magnetism and thermoelectricity in Mn doped topological insulator Bi2Se3	Maurya, V. K., Dong, C. L., Chen, C. L., Asokan, K., Patnaik, S.	Journal of Magnetism and Magnetic Materials	2018		JNU	
Critical behavior in itinerant ferromagnet SrRu _{1-x} Ti _x O ₃	Gupta, R., Bhatti, I. N., Pramanik, A. K.	J. Magn. Magn. Mater	2018			
Unusual exchange bias in Sr ₂ FelrO ₆ /La _{0.67} Sr _{0.33} MnO ₃ multilayer	Kharkwal, K. C., Chaurasia, R., Pramanik, A. K.	J. Phys. Condensed Matter	2018		JNU	
Interface induced Exchange bias effect in La _{0.67} Sr _{0.33} MnO ₃ /SrIrO ₃ multilayer	Chaurasia, R., Kharkwal, K. C., Pramanik, A. K.	Phys. Lett. A	2018		JNU	
Insight into the magnetic behavior of Sr ₂ IrO ₄ : A spontaneous Magnetization study	Bhatti, I. N, Pramanik, A. K.	Phys. Lett. A	2019		JNU	
Spin Phonon coupling in hole doped Pyrochlore iridates Y ₂ (Ir _{1-x} Ru _x) ₂ O ₇ : A Raman Scattering study	Kumar, H., Pramanik, A. K.	J. Magn. Magn. Mater	2019		JNU	
Ordering Dynamics of Self-Propelled Particles in an Inhomogeneous Medium	Das, R., Mishra, S., Puri, S.	Europhys Lett.	2018		JNU	
Approximate Ground States of the Random-field Potts	Kumar, M., Kumar, R., Weigel, M.,	Phys. Rev. E	2018		JNU	

Model from Graph Cuts	Banerjee, V., Janke, W., Puri, S.					
Disordered Dipolar Solids: Anisotropic Growth Laws and their Slowing Down	Bupathy, A., Banerjee, V., Puri, S.	Europhys. Lett.	2018		JNU	
Kinetic Spinodal Instabilities in the Mott Transition in V_2O_3 : Evidence from Hysteresis Scaling and Dissipative Phase Ordering	Bar, T., Choudhary, S. K., Ashraf, M. A., Sujith, K. S., Puri, S. , Raj, S., Bansal, B.	Phys. Rev. E	2018		JNU	
Ordering Kinetics in the q-state Clock Model: Scaling Properties and Growth Laws	Chatterjee, S., Puri, S. , Paul, R.	Phys. Rev. E	2018		JNU	
Effects of Frustration on Fluctuation-dissipation Relations	Corberi, F., Kumar, M., Lippiello, E., Puri, S.	Phys. Rev. E	2019		JNU	
Coarsening Dynamics in the Swift-Hohenberg Equation with an External Field	Tripathi, A., Kumar, D., Puri, S.	Phys. Rev. E	2018		JNU	
Visible light driven regioselective synthesis of 1H-tetrazoles from aldehydes through isocyanide-based [3+2] cycloaddition	Verma, F.; Sahu, A.; Singh, P. K.; Rai, A. ; Singh, M.; Rai, V. K.	Green Chem.	2018		JNU	
The novel and efficient reduction of graphene oxide using Ocimum Sanctum L. Leaf extract as an alternative renewable bio resource.	Mahata, S.; Sahu, A.; Shukla, P.; Rai, A. ; Singh, M.; Rai, V. K.	New J. Chem.	2018		JNU	
A novel carbocatalytic hydride transfer strategy for efficient reduction of structurally different aldehydes and ketones in water	Rai, V. K.; Mahata, S.; Bhardiya, S. R.; Shukla, P.; Rai, A. ; Singh, M.	Tetrahedron Lett.	2019		JNU	
AuNPs/Neutral red-biofunctionalized graphene nanocomposite for non-enzymatic electrochemical	Singh, M.; Kashyap, H.; Singh, P. K.; Mahata, S.; Rai, V. K.; Rai, A.	Sensors & Actuators B: Chemical	2019		JNU	

detection of organophosphate via NO ₂ reduction						
Efficient electrolytic oxidation of p-phenylenediamine using a novel PANI/ZnO anchored bio-reduced, graphene oxide nanocomposite	Singh, M.; Sahu, A.; Mahata, S.; Shukla, P.; Rai, A. ; Rai, V. K.	New J. Chem	2019		JNU	
A facile and efficient carbocatalytic route to quaternary C-bearing <i>N</i> -tosylation from Morita-Baylis Hillman adduct in water	Shukla, P.; Mahata, S.; Kashyap, H.; Singh, M.; Rai, V. K.; Rai, A.	Tetrahedron Lett.	2019		JNU	
A facile Iodine Promoted Enals-based cis-selective construction of aziridine-2-aldehyde in water	Singh, P. K., Verma, F., Bhardiya, S. R., Singh M., Rai V. K., Rai, A.	Chemistry Select.	2019		JNU	
Visible light induced direct conversion of aldehydes into nitriles in aqueous medium using Co@C ₃ N ₄ as photocatalyst	Verma F., Shukla, P., Bhardiya, S. R., Singh M., Rai, A. , Rai V. K.	Cat. Commun.	2019		JNU	
First bio-covalent functionalization of Graphene with threonine towards dry sensing via electrocatalytic transfer hydrogenation	Sahu, A., Shukla, P., Mahata, S., Rai, V. K., Rai, A.	New J. Chem.	2019		JNU	
Photocatalytic C (sp ³)-H activation towards α -methylation of ketones using MeOH as 1C-source steering reagent	Verma, F., Shukla, P., Bhardiya, S. R., Singh M., Rai, A. , Rai, V. K.	Adv. Synth Catal.	2019		JNU	
A Reversible Redox Reaction in a Keggin Polyoxometalate Crystal Driven by Visible Light: A Programmable Solid-State Photochromic Switch	Tandekar, K., Garai, S., Sabbani, S.	Chem. Eur. J	2018		JNU	
Gold Nanoparticle-Based Detection of Low Molecular	Asha Madhavan, A., Juneja,	Nanoscale Research Letters	2018		JNU	

Weight AGEs from In Vitro Glycated Haemoglobin A0 Samples	S., Sen, P. , Ghosh Moulick, R., Bhattacharya, J.					
Dynamics of Water and Ions around DNA: What's So Special About Them?	Shweta, H., Sen, S.	J. Biosciences	2018		JNU	
<i>Role of Ser65, His148 and Thr203 in the Organic Solvent-dependent Spectral Shift in Green Fluorescent Protein</i>	Kaur, J., Yadav, N. S., Singh, M. K., Khan, M. J., Sen, S.	Photochem. Photobiol	2018		JNU	
Relative property (T) for nilpotent subgroups	Chatterji, I., Morris, D. W., Shah, R.	Documenta Math.	2018		JNU	
Synthesis of MoS ₂ -reduced graphene oxide/Fe ₃ O ₄ nanocomposite for enhanced electromagnetic interference shielding effectiveness	Prasad, J., Singh, A. K., Shah, J., Kotnala, R. K., Singh, K.	Materials Research Express	2018		JNU	
Glass-forming ability and thermal stability of Se _{1002x} (Ge ₂ Sb ₂ Te ₅) _x glassy alloys	Kumar, A., Ram, I. S., Kumar, S., Ram, J., Upadhyay, A. N., Singh, K.	J of Thermal Analysis & Calorimetry	2018		JNU	
Optical properties of Highly Luminescent, Monodisperse, and Ultrastable CdSe/V ₂ O ₅ Core/Shell Quantum Dots for In-Vitro imaging	Yadav, A., Singh, A. K., Sharma, P. P., Solanki, P. R., Singh, K.	J of of Material Science: Materials in Electronics	2018		JNU	
Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots	Bindra, J. K., Kurian, G., Christian, J. H., Tol, J. V., Singh, K. , Dalal, N. S., Mochena, M. D., Stoian, S. A., Strouse, G. F.	Chemistry of Materials	2018		JNU	
Surface modification of CdS quantum dots: an effective approach for improving biocompatibility	Yadav, A. N., Kumar, R., Jaiswal, R. K., Singh, A. K., Kumar, P., Singh, K.	Materials Research Express	2019		JNU	

Enhanced Electrocaloric Effect and Energy Storage Density in Lead-Free $0.8\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_{3-0.2}\text{SrTiO}_3$ Ceramics	Kumar, A., Kumar, R., Singh, K. , Singh, S.	Phys. Status Solidi A	2019		JNU	
Electromagnetic interference shielding effectiveness in 3D flower-like MoS ₂ -rGO/gadolinium-doped nanocomposites	Prasad, J., Singh, A. K., Haldar, K. K., Gupta, V., Singh, K.	Journal of Alloys and Compounds	2019		JNU	
Ultrafast Charge Carrier dynamics in CdSe/V ₂ O ₅ core/shell Quantum Dots	Yadav, A. N., Singh, A. K., Srivastava, S., Kumar, M., Gupta, B. K., Singh, K.	Physical Chemistry Chemical Physics	2019		JNU	
CHS, SSS Changing Trajectories of Philosophy of History	Pius Malekandathil	Homo Sapiens; A Travancore Journal of Philosophy	Vol.I, Issue 1, January 2018, pp.7-24			
“Contextualizing the Encounters between Portugese Missionaries and the St. Thomas Christians”	Pius Malekandathil	Thomas Christian Heritage: Journal of the Syro-Malabar Liturgical Centre	Vol.X, No.18, 2018, pp.61-109			
CCUS&LAS, SIS	Government Is the problem: The struggle against the welfare state in America	Dr. Saumyajit Ray	Ayan, Vol. 7 No.1, Issue 3, January – March 2019, pp.265-74	January-March 2019		

Annexure 3

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
<u>SCSNEI-</u>						
“Indentures/ Adivasi Labour of Assam Valley Tea Plantations”	Rana P. Bheal	Lecture Booklet of Sixth jayashree Memorial Lecture	2018			Rana P. Behal is a noted historian and taught in department of History, Deshbandhu College, University of Delhi.
<u>SCMM</u>						
Phosphoinositide-3-kinase inhibition elevates ferritin level resulting depletion of labile iron pool and blocking of glioma cell proliferation	C.K Mukhopadhyay	BBA - General Subjects, 1863 (3): 547-564, 2019 doi: 10.1016/j.bbagen.2018.12.013.	2019	N/A	1	Special Centre for Molecular Medicine, JNU
Microvesicles in hepatic and peripheral vein can predict nonresponse to corticosteroid therapy in severe alcoholic hepatitis.	C.K Mukhopadhyay	Aliment Pharmacol Ther. 47(8):1151-1161. 2018, doi: 10.1111/apt.14564.	2018	N/A	4	Special Centre for Molecular Medicine, JNU
Leishmania donovani inhibits ferroportin translation by modulating FBXL5-IRP2 axis for its growth	C.K Mukhopadhyay	Cell Microbiol. 2018 Jul;20(7):e12834. doi:10.1111/cmi.12834. Epub 2018 Mar 30.	2018	N/A	1	Special Centre for Molecular Medicine, JNU

within host macrophages.						
Nuclear localization signal region in nuclear receptor PXR governs the receptor association with mitotic chromatin. Chromosome						

SCHOOLS/CENTRES CONSOLIDATED INFORMATION

S. No.	Schools	No. of Books Published	No. of Articles	No. of Chapters in Books	No. of National/International Seminar/Conference Participated			No. of National/International Seminar/Conference Organized	No. of National / International Awards/Honours/ Fellowships	Number of lectures delivered outside JNU by our faculty members and Research Staff		
					I	N	Total			I	N	Total
1.	SAA	04	21	06	24	59	83	27		06	51	57
2.	SBT	-	48	06	06	25	31	04	21	-	18	18
3.	SC&IS	02	89	04	16	32	48	07	04	05	21	26
4.	SC&SS	03	55	09	05	33	38	-	01	04	88	92
5.	SE*	-	-	-	-	-	-	10	-	-	-	-
6.	SES	02	153	20	19	87	106	04	08	03	51	54
7.	SIS	13	88	50	113	408	521	123	20	42	94	136
8.	SLL&CS	43	111	26	81	237	318	91	24	27	96	123
9.	SLS	02	98	17	14	85	99	05	09	08	31	39
10.	ABVSM&E*	-	-	-	-	-	-	-	-	-	-	-
11.	SPS	01	97	05	08	55	63	01	04	09	77	86
12.	SS&IS	01	07	13	03	44	47	07	-	01	36	37
13.	SSS	36	183	116	110	357	467	113	43	43	294	337
14.	SCSNEI*	03	04	03	-	13	13	12	-	-	03	03
15.	SCL&G	05	12	12	13	33	46	-	02	01	39	40
16.	SCDR*	-	-	-	-	-	-	-	-	-	-	-
17.	SCE-L*	-	-	-	-	-	-	-	-	-	-	-
18.	SCMM	-	26	-	05	44	49	03	06	01	12	13
19.	SCNS	--	32	02	-	08	08	-	-	02	10	12
	Total	115	1024	289	417	1520	1937	407	142	152	921	1073

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