

## School of Physical Sciences

### Journals/Research Articles (78)

- **Bhattacherjee, A. B.**, “*Optomechanical Entanglement between an Ion and an Optical Cavity Field*”, *Int. J. Theor. Phys.*, 2016, 55, 1944 (DOI 10.1007/s10773-015-2834-5)
- **Bhattacherjee, A. B.**, “*Influence of virtual photon process on the generation of squeezed light from atoms in an optical cavity*”, *Atoms*, 2015, 3, 339
- Debnath, K., and **Bhattacherjee, A. B.**, “*Non-equilibrium dynamics of an optomechanical Dicke model*”, *Commun. Theor. Phys.*, 2015, 64, 39
- Aggarwal, N., **Bhattacherjee, A.B.**, Banerjee, A. and Mohan, M., “*Influence of periodically modulated cavity field on the generation of atomic-squeezed states*”, *J. Phys. B: Atomic, Molecular and Optical Physics*, 2015, 48, 115501
- Rawat, K., and **Bohidar, H.B.**, “*Heparin-like Native Protein Aggregate Dissociation by 1-Alkyl-3-Methyl Imidazolium Chloride Ionic Liquids*”, *Int. J. Bio. Macromolecules*, 2015, 73, 23
- Pathak, J., and **Bohidar, H.B.**, “*Hierarchical Surface Charge Dependent Phase States of Gelatin-Bovine Serum Albumin Dispersions Close to Their Common pI*”, *RSC Adv.*, 2015, 5, 13579
- Joshi, N., Solanki, P.R. and **Bohidar, H.B.**, “*Enzyme-free and Biocompatible Nanocomposite Based Cholesterol Biosensor*”, *Biochem. Eng. Jour.*, 2015, 102, 69
- Pathak, J., Rawat, K., Sanwalani, S. and **Bohidar, H.B.**, “*Interaction of Globular Plasma Proteins with Water Soluble CdSe Quantum Dots*”, *Chem. Phys. Chem.*, 2015, 16, 1777
- Sharma, A., Baral, D., Rawat, K., Solanki, P.R. and **Bohidar, H.B.**, “*Biocompatible Capped Iron Oxide Nanoparticles for Vibrio cholera Detection*”, *Nanotechnology*, 2015, 26, 175302-1
- Sharma, A., Solanki, P.R. and **Bohidar, H.B.**, “*Gelatin-Ionic liquid Based Platform for Glucose Detection*”, *Current Topics in Med. Chem.*, 2015, 15 (13), 1257
- Joshi, N., Pujala, R.K. and **Bohidar, H.B.**, “*Ionic Liquid Induced Surface Exclusion and Anomalous First-order Phase Transition in Laponite Dispersions*”, *J. Molecular Liquids*, 2015, 207, 177
- Arfin, N., Aswal, V.K., Kohlbrecher, J. and **Bohidar, H.B.**, “*Relaxation Dynamics and structural changes in DNA soft gels*”, *Polymer*, 2015, 65, 175
- Rawat, K., Sharma, A., Solanki, P.R. and **Bohidar, H.B.**, “*Potential of Gelatin-Zinc Oxide Nanocomposite as Ascorbic acid Sensor*”, *Electroanalysis*, 2015, 27, 1
- Puram, S., Tyagi, A., Verma, A.K. and **Bohidar, H.B.**, “*Physical, Antimicrobial and Cytotoxic Characterization of LaF<sub>3</sub>:Eu<sup>3+</sup> ion doped Nanocrystals*”, *Int. J. Nanoparticles*, 2015, 8 (2), 184
- Sharma, A., Rawat, K., Solanki, P.R. and **Bohidar, H.B.**, “*Electrochemical Response of Agar Ionogels towards Glucose Detection*”, *Anal. Methods*, 2015, 7, 5876
- Sharma, A., Prakash, P., Solanki P.R., and **Bohidar, H.B.**, “*Antibacterial and antifungal activity of biopolymers modified with ionic liquid and laponite*”, *Appl. Biochem. Biotechnol.*, 2015, 177, 267
- Pathak, J., and **Bohidar, H.B.**, “*Charge Heterogeneity Induced Binding and Phase Stability in β-lacto-globulin-Gelatin B Gels and Coacervates at their Common pI*”, *RSC Adv.*, 2015, 5, 67066
- Sharma, A., Rawat, K., Solanki, P.R., Aswal, V.K., Kohlbrecher, J. and **Bohidar, H.B.**, “*Internal structure and thermo-viscoelastic properties of agar ionogels*”, *Carbohydrate Polymer*, 2015, 134, 617
- Joshi, N., Solanki, P.R. and **Bohidar, H.B.**, “*Biocompatible Laponite Ionogels based non-Enzymatic Oxalic Acid Sensor*”, *Sensing and Bio-Sensing Res.*, 2015, 5, 105
- Joshi, N. and **Bohidar, H.B.**, “*Characterization of Microstructure, Viscoelasticity, hetero-geneity and Ergodicity in Pectin-Laponite-CTAB-Calcium Nanocomposite hydrogels*”, *Carbohydrate Polymer*, 2015, 136, 242–249.
- Neeta, B. and **Das, S.P.**, “*Renormalized dynamics of the Dean-Kawasaki model*”, *Phys. Rev. E*, 2015, 92, 012325
- Madhu, P., Bidhoodi, N. and **Das, S.P.**, “*Qualitatively different collective and single Particle dynamics in a super-cooled liquid*”, *Phys. Rev. E*, 2015, 92, 062308
- Neeta, B. and **Das, S.P.**, “*Slow dynamics of a tagged particle in a super-cooled liquid*”, *Phys. Rev. E*, 2015, 92, 062309
- Neeta, B. and **Das, S.P.**, “*Ergodicity and slow diffusion in a supercooled liquid*”, *Physica A*, 2015, 449, 357
- Premkumar, L., Bidhoodi, N. and **Das, S.P.**, *Linking density functional and mode coupling models for supercooled liquids*, *J. Chem. Phys.*, 2016, 144, 124511
- Dhar, H. S. and Chatterjee, A. and **Ghosh, R.**, “*Generating continuous variable entangled states for quantum teleportation using a superposition of number-conserving operations*”, *J. Phys. B: Atomic, Molecular and Optical Physics*, 2015, 48, 185502

- Paul, B., Singh, B., **Ghosh, S.** and A. Roy, “A comparative study on electrical and optical properties of group III (*Al, Ga, In*) doped  $ZnO$ ”, *Thin Solid Films*, 2016, 603, 21
- Yadav, P., Srivastava, P.K. and **Ghosh, S.**, “Dielectric screening of excitons in monolayer graphene”, *Nanoscale*, 2015, 7, 18015–18019
- Srivastava, P.K., Yadav, P. and **Ghosh, S.**, “Dielectric environment as a factor to enhance the production yield of solvent exfoliated graphene”, *RSC Advances*, 2015, 5, 64395
- Asthana, D., Shukla, J., Dana, S., Rani, V., Ajayakumar, M.R., Rawat, K., Mandal, K., Yadav, P., **Ghosh, S.**, and **Mukhopadhyay, P.**, “Assorted morphosynthesis: access to multi-faceted nano-architectures from a super-responsive dual *p*-functional amphiphilic construct”, *Chem. Comm.*, 2015, 51, 15237
- Srivastava, P.K., and **Ghosh, S.**, “Defect engineering as a versatile route to estimate various scattering mechanisms in monolayer graphene on solid substrates”, *Nanoscale*, 2015, 7, 16079
- Das, P., Ghosh, S.K. and **Gupta, V.P.**, “Affine modules and the Drinfeld center”, *Math. Scand.*, 2016, 118 (1), 119
- Gautam, G., Santosh, Ghosh, S. and **Kumar, D.**, “A controllable single photon beam-splitter as a node of a quantum network”, *J. Phys. B*, 2016, 49, 065502
- Ghosh, P., Verma, A.K. and **Kumar, B.**, “Plaquette-triplon analysis of magnetic disorder and order in a trimerized spin-1 kagome Heisenberg antiferromagnet”, *Phys. Rev. B*, 2016, 93, 014427
- Wadhawan, D., **Mehta, P.**, and Das, S., “Geometric phase in *p-n* junctions of helical edge states”, *Phys. Rev. B*, 2016, 93, 085310
- Mishra, M., Meinerzhagen, F., Schleberger, M., Kanjilal, D. and **Mohanty, T.**, “Swift Heavy ion induced optical and electronic modifications of Graphene-TiO<sub>2</sub> nanocomposites”, *J. Phys. Chem. C*, 2015, 119, 21270
- Patel, S.A., Sahoo, H.K. and **Mohanty, T.**, “Understanding the interactions involved in the formation of fluorescent silver nanoclusters”, *J. Nanosci. Nanotech.*, 2015, 15, 1
- Shakya, J., Patel, S.A., Singh, F., and **Mohanty, T.**, “Composition dependent Fermi level shifting of Au decorated MoS<sub>2</sub> nanosheets”, *Appl. Phys. Lett.*, 2016, 108, 013103
- Kumar, Y., Kumar, S., Keshri, S.K., Shukla, J., Singh, S.S., Thakur, T.S., Denti, M., Facchetti, A. and **Mukhopadhyay, P.**, “Synthesis of Octabromoperylene Dianhydride and Diimides: Evidence of Halogen Bonding and Semiconducting Properties”, *Org. Lett.* 2016, 18, 472
- Saini, M.K. and **Murthy, S.S.N.**, “Glass formation in binary solutions of acetaminophen with guaifenesin and mephenesin”, *J. Solution Chem.*, 2015, 44, 1723
- Singh, A.K. and **Murthy, S.S.N.**, “Johari-Goldstein relation in orientationally disordered phase of hexa-substituted benzenes”, *Thermochimica Acta*, 2015, 604, 33
- Prakash, R. and **Pandey, A.**, “Universal spectral correlations in ensembles of random normal matrices”, *EPL*, 2015, 110, 30001
- Kumar, V.S. and **Pandey, A.**, “Parametric Number Covariance in Quantum Chaotic Spectra”, *Phys. Rev. E*, 2016, 93, 032217
- Kumar, H. and **Pramanik, A.K.**, “Nonequilibrium low temperature phase in pyrochlore iridate  $Y_2Ir_2O_7$ : Possibility of glass-like dynamics”, *J. Magn. Magn. Mater.*, 2016, 409, 20
- Sow, C., **Pramanik, A.K.** and Anil Kumar, P.S., “Evidence for 3D isotropic long range spin-spin interaction near the ferromagnetic transition in bulk and thin film  $SrRuO_3$ ”, *Mater. Res. Express*, 2015, 2: 056101
- Kulkarni, M., **Patankar, V.M.**, and Rajan, C.S., “Locally potentially equivalent two dimensional Galois representations and Frobenius fields of elliptic curves”, *J. Number Theory*, 2016, 164, 87
- Maurya, V.K., Jha, R., Shruti, Awana, V.P.S. and **Patnaik, S.**, “Effect of pressure on superconductivity in indium doped topological crystalline insulator SnTe”, *J. Phys. Cond. Matter*, 2015, 27, 242201
- Shruti, Maurya, V.K., Neha, P., Srivastava, P. and **Patnaik, S.**, “Superconductivity by Sr Intercalation in layered topological Insulator  $Bi_2Se_3$ ”, *Phys. Rev. B*, 2015, 92, 020506R
- Jha, R., Goyal, R., Neha, P., Maurya, V.K., Srivastava, A.K., Gupta, A., **Patnaik, S.**, and Awana, V.P.S., “Weak ferromagnetism in a noncentrosymmetric BiPd 4K superconductor”, *Superconduct. Sci. Tech.*, 2015, 29, 025008
- Saha, J., Sharma, G., Kaushik, S.D., Rani, V., Sudesh, Siruguri, V. and **Patnaik, S.**, “Magneto-electric coupling in  $Ca_3CoMnO_6$  thin films”, *J. Mag. Mag. Mat.*, 2016, 400, 282
- Singh, H., Ghosh, H., Rao, T.V.C., Sharma, G., Saha, J. and **Patnaik, S.**, “Short range ferromagnetic, magneto-electric, and magneto-dielectric effect in ceramic  $Co_3TeO_6$ ”, *J. Appl. Phys.*, 2016, 119, 044104
- Neha, P., Srivatsava, P., Jha, R., Shruti, Awana, V.P.S. and **Patnaik, S.**, “Improved superconducting properties of  $La_3Co_4Sn_{13}$  with indium substitution”, *J. Alloys. Comp.*, 2016, 665, 333
- Singh, A., Krishnan, R. and **Puri, S.**, “Kinetics of Microphase Separation in Block Copolymers: A Molecular Dynamics Study”, *Europhys. Lett.*, 2015, 109, 26006

- Singh, A. and **Puri, S.**, “*Phase Separation in Ternary Fluid Mixtures: A Molecular Dynamics Study*”, *Soft Matter*, 2015, 11, 2213
- Krishnan, R. and **Puri, S.**, “*Molecular Dynamics Study of Phase Separation in Fluids with Chemical Reactions*”, *Phys. Rev. E*, 2015, 92, 052316
- Bupathy, A., Banerjee, V. and **Puri, S.**, “*Random Field Ising Model on Isometric Lattices: Ground States and Non-Porod Scattering*”, *Phys. Rev. E*, 2016, 93, 012104
- Katyal, N., Botet, R. and **Puri, S.**, “*Robustness of the Fractal Regime for the Multiple-scattering Structure Factor*”, *J. Quantitative Spectroscopy and Radiative Transfer*, 2016, 179, 11
- Rai, V.K., Sahu, G. P. and **Rai, A.**, “*The first NHC-induced regioselective introduction of C- and N-nucleophiles in to Baylis-Hillman enals*”, *Tetrahedron Lett.*, 2015, 56, 2664
- **Rajaraman, R.**, “*India and the Nuclear Security Index, Invited Article*”, *Global Asia, J. of the East Asia Foundation*, 2016, 11 (1)
- Ujjwal, S.R., Punetha, N. and **Ramaswamy, R.**, “*Phase oscillators in modular networks: The effect of nonlocal coupling*”, *Phys. Rev. E*, 2016, 93, 012207
- Vedichi, M., **Sabbani, S.**, Ravada, K., Naika, I.K. and Das, S.K., “*Mechanical motion in the solid state and molecular recognition: reversible cis-trans transformation of an organic receptor in a solid-liquid crystalline state reaction triggered by anion exchange*”, *Cryst. Eng. Comm.*, 2015, 17, 3219
- **Sabbani, S.**, and Das, S.K., “*Reversible solid to solid transformation in a crystalline state gas-solid reaction under ambient conditions: Fe-N (pyridine) bond formation at the expense of Fe-OH<sub>2</sub> bond breaking and vice versa*”, *Cryst. Eng. Comm.*, 2015, 17, 8850
- Singh, P., **Sarkar, S.K.**, and Bandyopadhyay, P., “*Folding-unfolding transition in the mini-protein villin headpiece (HP35): An equilibrium study using the Wang-Landau algorithm*”, *Chem. Phys.*, 2016, 468, 1
- Khan, M.F., Singh, M.K. and **Sen, S.**, “*Measuring Size, Size Distribution and Poly-dispersity of Water-in-Oil Microemulsion Droplets using Fluorescence Correlation Spectroscopy: Comparison to Dynamic Light Scattering*”, *J. Phys. Chem. B*, 2016, 120, 1008
- Verma, S.D., Pal, N., Singh, M.K. and **Sen, S.**, “*Sequence-Dependent Solvation Dynamics of Minor-Groove Bound Ligand inside Duplex-DNA*”, *J. Phys. Chem. B*, 2015, 119, 11019
- Pal, N., Shweta, H., Singh, M.K., Verma, S.D. and **Sen, S.**, “*Power-Law Solvation Dynamics in G-Quadruplex DNA: Role of Hydration Dynamics on Ligand Solvation inside DNA*”, *J. Phys. Chem. Lett.*, 2015, 6, 1754
- Ram, I.S., Kumar, S., Singh, R.K., Singh, P. and **Singh, K.**, “*Electrical conduction mechanism in Se<sub>90-x</sub>Te<sub>5</sub>Sn<sub>5</sub>In<sub>x</sub> (x = 0, 3, 6 and 9) multi-component glassy alloys*”, *AIP Advances*, 2015, 5 (8), 087164
- Upadhyay, A.N., Tiwari, R.S. and **Singh, K.**, “*Microstructural and thermal investigations of carbon nanotube additive Se<sub>80</sub>Te<sub>16</sub>Cu<sub>4</sub> glassy composites*”, *Materials Letters*, 2016, 164, 449
- Kumar, S. and **Singh, K.**, “*Glass transition and crystallization kinetics of Se<sub>98-x</sub>Cd<sub>2</sub>In<sub>x</sub> (x = 0, 2, 6 and 10) glassy alloys*”, *J. of Thermal Anal. and Calorimetry*, 2016, 124, 675
- Upadhyay, A.N., Tiwari, R.S. and **Singh, K.**, “*Optical and electrical properties of carbon nanotube-containing Se<sub>8</sub>Te<sub>10</sub>Ag<sub>5</sub> glassy composites*”, *Philosophical Magazine*, 2016, 96 (6), 576
- Dani, S. G., Sharma, P. and **Shah, R.**, “*Affine Almost Automorphic Actions on Compact Nilmanifolds*”, *Ergodic Theory and Dynamical Systems*, 35 (2015), no. 6, pp. 1783–1794
- **Verma, A.K.**, Danodia, A.K., Saunthwal, R.K., Patel, M. and Choudhary, D., “*Palladium-Catalyzed Triple Successive C-H Functionalization: Direct Synthesis of Functionalized Carbazoles from Indoles*”, *Org. Lett.*, 2015, 17, 3658
- Saunthwal, R.K., Patel, M., Kumar, S., Danodia, A.K., and **Verma, A.K.**, “*Pd (II)-Catalyzed C-H activation of styrylindoles: short, efficient and regioselective synthesis of functionalized carbazoles*”, *Chem. Eur. J.*, 2015, 21, 18601
- Kumar, S., Cruz, C., Pal, S., Saunthwal, R.K., Tiwari, R.K., Juaristi, E., and **Verma, A.K.**, “*An Expedient Tandem Approach to Benzothieno, and Benzofuropyridines from o-Alkynyl Aldehydes via Silver-Catalyzed 6-endo-dig Ring Closure*”, *J. Org. Chem.*, 2015, 80, 10548
- Patel, M., Saunthwal, R.K., Dhaked, D.K., Bharatam, P.V., and **Verma, A.K.**, “*Nu-Addition vs S<sub>N</sub>Ar study: Chemo-, regio- and stereoselective preferential hydrothiolation of haloarylalkynes over S-arylation of aryl halides*”, *Asian J. Org. Chem.*, 2015, 4, 894
- Kotlaa, S.K.R., Choudhary, D., Tiwari, R. and **Verma, A.K.**, “*Rhodium (III)-catalyzed double C-H activation: A straightforward approach to fused imidazo[1,2-a]pyridines from internal alkynes*”, *Tetrahedron Lett.*, 2015, 56, 4706
- **Verma, M.**, “*On a form of degree d in 2d+1 variables (d≥4)*”, *J. Number Theory*, 2015, 148, 19

- **Verma, M.**, “*Representation of integers by a family of cubic forms II*”, *Ramanujan Journal*, 2015, 37 (3), 597

## Books (02)

- **Ramaswamy, R.**, Ed. Adventures into the Unknown: Essays by D.D. Kosambi, Three Essays Collective, Gurgaon, 2016
- **Gupta, V.P.**, Mandayam, P. and Sunder, V.S., The Functional Analysis of Quantum Information Theory, Lecture Notes in Physics, Springer, 2015

## Chapters in Books (03)

- Kumar, M., Jha, P.K. and **Bhattacherjee, A.B.**, Effect of spin-orbit interaction on optical properties of quantum dot and quantum wires, in Sustainable Nanosystems Development, Properties and Applications, Eds. Putz, M. and Mirica, M.C., IGI Global (USA), 2015
- **Rajaraman, R.**, The Indian National Perspective in Promoting Nuclear Security in International Cooperation for Enhancing Nuclear Safety, Security, Safeguards and Non-proliferation, Eds. Maiani, L., Abousahl, S. and Plastino, W., Springer International Publishing (Switzerland), 2016
- Godbole, R.M., and **Ramaswamy, R.**, Women Scientists in India, Country Report, in the Association of Academics and Societies of Sciences in Asia Report on Women in Science and Technology in Asia Na D.S. et el (Eds.), Pannum Education Co., Seoul, Korea, 2015

## In Conference Proceedings (13)

- Aggarwal, N., Joshi, B. and **Bhattacherjee, A.B.**, Effect of optomechanical coupling on squeezed-spin states, *J. Phys: Conference Series*, 2016, 672, 012006
- Suelzer, J.S., **Ghosh, R.**, Prasad, A., and Vemuri, G., Theoretical Study of the Effect of Quantum Noise on the Nonlinear Dynamics of a Semiconductor Laser Subject to Two Filter Optical Feedbacks, *Frontiers in Optics*, OSA Technical Digest (online) (Optical Society of America, 2015), paper JW2A.15.
- Neha, P., Srivastava, P., Shruti, Sudhesh and **Patnaik, S.**, Synthesis and characterization of Indium doped  $\text{La}_3\text{Co}_4\text{Sn}_{13}$  skutterudite superconductor, *AIP Conf. Proc.*, 2016, **1728**, 020485
- Kumar, R., Asokan, K., **Patnaik, S.** and Birajdar, B., Synthesis, Microstructure and Dielectric Properties of Zirconium Doped Barium Titanate, *AIP Conf. Proc.*, 2016, **1731**, 030025
- Maurya, V.K., Shruti, Jha, R., Awana, V.P.S. and **Patnaik, S.**, Pressure Effect On Topological Crystalline Insulator SnTe and Derived Superconductor  $\text{Sn}_{0.5}\text{In}_{0.5}\text{Te}_{..}$ , *AIP Conf. Proc.*, 2016, **1731**, 100011
- Shruti, Maurya, V.K., Srivastava, P. and **Patnaik, S.**, Emergence of Super-conductivity in Topological Insulator  $\text{Bi}_2\text{Se}_3$  by Sr intercalation, *AIP Conf. Proc.*, 2016, **1731**, 130046
- Neha, P., Srivastava, P., Kanojia, M.K., Jha, S.K. and **Patnaik, S.**, Synthesis and Characterization of  $\text{Bi}_3\text{Ni}$  Superconductor, *AIP Conf. Proc.*, 2016, **1731**, 130050
- Saha, J., Chaudhary, S., Majumdar, P., Kuanr, B.K. and **Patnaik, S.**, High Temperature Magneto-Electric Effect in Yttrium Iron Garnet (YIG), *AIP Conf. Proc.*, 2016, **1731**, 140056
- Kumar, P., Sudhesh and **Patnaik, S.**, Possible Superconductivity in Weyl Semimetal NbP, *AIP Conf. Proc.*, 2016, **1731**, 140063
- Bhatti, I.N. and **Pramanik, A.K.**, Investigation of Structural and Electrical Transport Properties in Ti Doped  $\text{Sr}_2\text{IrO}_4$ , *AIP Conf. Proc.*, 2016, **1731**, 130046
- Kumar, H. and **Pramanik, A.K.**, Glass-like behavior in Pyrochlore Iridate  $\text{Y}_2\text{Ir}_2\text{O}_7$ . *AIP Conf. Proc.*, 2016, **1731**, 130053
- Gupta, R. and **Pramanik, A.K.**, Electronic and Magnetic Properties in  $\text{Sr}_{1-x}\text{La}_x\text{RuO}_3$ . *AIP Conf. Proc.*, 2016, **1731**, 130055
- Shastri, P., Kurup, A., Resmi, L., **Ramaswamy, R.**, Ubale, S., Bagchi, S., Rao, S., and Narasimhan, S., Towards gender equity in physics in India: Initiatives, Investigations and Questions, *AIP Conf. Proc.*, 2015, **1697**, 060022

## Media Articles (07)

- **Rajaraman, R.**, India needs the nuclear energy option, in SciDevnet, online journal, <http://www.scidev.net/south-asia>, 21 April, 2015

- **Rajaraman, R.**, India's Military Nuclear doctrine, Key Highlights, Changes and Efficacy, in Policy Wonks, online journal, <http://policywonks.in/commentary/indias-military-nuclear-doctrine-key-highlights-changes-and-efficacy.html>, 9 June, 2015
- **Rajaraman, R.**, India's Civil Nuclear Cooperation: The Story So Far, in Policy Wonks, online journal, <http://policywonks.in/commentary/indias-civil-nuclear-cooperation-the-story-so-far.html>, 19 June, 2015
- **Rajaraman, R.**, Pakistan's Nasr Missile is the Most Dangerous Development in South Asia, interview in Rediff.com, <http://www.rediff.com/news/interview/20150727.html>, 27 July, 2015
- **Rajaraman, R.**, Cooling the Earth Down, The Hindu, 9 March, 2016
- **Ramaswamy, R.**, Plagiarism is not cool, The Next Step, The Hindu, 2015, 18--20
- **Ramaswamy, R.**, Academic Phantoms, Current Science, 2015, 109, 1007