



NATIONAL CONFERENCE ON ENVIRONMENTAL POLLUTANTS: IMPACT ASSESSMENT AND REMEDIATION (NCEPIAR-2016)

March 18-19, 2016

**Amrita Devi Bishnoi Hall, School of Environmental Sciences,
Jawaharlal Nehru University, New Delhi**

**Sponsored by
UGC-SAP-DSA-II and JNU-ENVIS, MoEFCC**



**Organized by
School of Environmental Sciences, Jawaharlal Nehru University,
New Delhi 110067**

School of Environmental Sciences (SES), JNU cordially invites and warmly welcomes you to the UGC-SAP-DSA-II and JNU-ENVIS, MoEFCC sponsored **National Conference on Environmental Pollutants: Impact Assessment and Remediation (NCEPIAR 2016)** to be held at Amrita Devi Bishnoi Hall, inside the SES premises on 18th and 19th March 2016.

About the Conference

Since last fifty years there is a gradual depletion of natural resources and addition of anthropogenic compounds (inorganic and organic) in the environment, some of which are highly toxic and recalcitrant. This has affected all dimensions of the Environment: Air, Water, Soil and Biosphere. Most of the compounds are transformed into persistent organic pollutants (POPs) and emerging contaminants (ECs). The pollutants that have a longer persistence in the environment are linked with the Global issues, for instance, Global Warming, Pollution of Water bodies, Emerging contaminants, Ozone column decline and upsurge in the virulent form of diseases across continents. Environmental pollutant monitoring is initiated to identify source, origin, quantity, dispersion, transformation, distribution, evaluation, concentrations, effects and actual trend of these inorganic and organic pollutants. Meteorological conditions and a variety of mathematical models can to an extent solve fate, effects and impact assessment related issues. Evaluation of origin, persistence, transformation, fate and effects of these pollutants on health can also be effectively done by Life Cycle Assessment (LCA). Both, *in vitro* models and biochemical assays have been well proven tools for rapid and accurate evaluation for toxicity at acute, chronic and sub chronic levels. Genomic analyses of microbial communities in the environment (metagenomics) have opened up new vistas to study and apply the tremendous potential of the natural microbial genetic diversity which was hitherto unknown or uncultivable. Moreover, enriched and genetically modified microorganisms can be applied to remove pollutants from contaminated sites (*in situ* bioremediation). In short, it is time to bring research findings closer to the market by delving on the development of remediation strategies for the natural and man-made chemical compounds in air, water and soil. While these strategies may be developed separately, they need to be integrated on socio-economic, environmental and technological platforms for holistic environmental management.

Conference Objectives

The main objective of the conference aims to bring together leading academic scientists and research scholars to exchange and share their study and research results about aspects of Environmental Pollution and Remediation. It also presents an interdisciplinary forum to address the contemporary status of Global Environment which has undergone significant changes in terms of accumulation of pollutants and to discuss recent innovations, concerns and practical challenges and the solutions adopted in the field of Environmental Pollution and Remediation.

Jawaharlal Nehru University (JNU), New Delhi, India (<http://www.jnu.ac.in>)

JNU was established in 1966 by an act of Indian parliament with the "Nehruvian" ideology. The University is a residential campus that spreads over an area of 1000 acres on the Aravali ranges embraced by the lush green forests sustaining a birdwatcher's paradise and some forms of wild life. The University primarily imparts Post-graduate and Doctoral degree

programmes integrating education and high level of training with values and social commitment. JNU ranks among the top universities of the country in terms of the academic standards and research outputs.

School of Environmental Sciences (SES) (<http://www.jnu.ac.in/SES>)

The School of Environmental Sciences (SES) was established in the lush green premises of JNU in 1974. The School offers Postgraduate and Doctoral degree programmes in Environmental Science through a strong interdisciplinary teaching curriculum supervised by a strong faculty. The School has diversified yet integrated interests in various research areas of physical, atmospheric, earth, chemical and biological aspects of the environment which holistically address problems in given environmental systems.

Conference Themes

- Theme 1** Air Pollution, Aerosol Physics, Noise Pollution, Meteorology, Environmental Modelling, Greenhouse effect and Global Warming
- Theme 2** Remote Sensing and Geoinformatics, Hydrogeology, Natural Hazards, Hydrogeochemistry, Climate Change implications on natural environment, Groundwater Hydrology, Environmental Geochemistry
- Theme 3** Air Pollution Chemistry, Water Pollution Chemistry, Soil Pollution Chemistry, Environmental Impact Assessment, Atmospheric Chemistry and Climate change, Bio-renewable Resources, Solid and Hazardous Waste Management, Aerosol Chemistry
- Theme 4** Natural Resource Management and Sustainable Development, Environmental Parasitology, Climate Change, Dynamics of Ozone and Bioaerosols, Environmental Microbiology and Bioremediation, Forest Ecology and Ecophysiology, Biodiversity and Conservation, Pollution Biology, Nanotoxicology and Cancer Biology, Environmental Toxicology and Human Health, Microbial Communities in Nature and their Interactions, Molecular analyses of microbes

Conference Committee

- Patron:** Prof. M. Jagadesh Kumar, Vice-Chancellor, JNU, New Delhi
- Chairperson:** Prof. Indu Shekhar Thakur, Dean, SES, JNU, New Delhi
- Convener:** Dr. Meenakshi Dua, SES, JNU, New Delhi

Advisory and Scientific Committee:

Prof. V.K. Jain	Prof. Dinesh Mohan
Prof. K.G. Saxena	Prof. S.C. Garkoti
Prof. Sudha Bhattacharya	Prof. N. Janardhana Raju
Prof. A.K. Attri	Prof. P.K. Joshi
Prof. I.S. Thakur	Dr. N.S. Siddaiah
Prof. S. Mukherjee	Dr. Paul Raj R.
Prof. P.S. Khillare	Dr. J.K. Tripathi
Prof. A.L. Ramanathan	Dr. Ilora Ghosh
Prof. U.C.Kulshrestha	Dr. Sudesh Yadav
Prof. Krishan Kumar	Dr. Meenakshi Dua
Prof. K. Mukhopadhyay	Dr. A.K. Srivastava
Prof. A.P. Dimri	Dr. Vijay Pal Yadav

Local Organising Committee:

Prof. AP Dimri, Prof. NJ Raju, Prof. PS Khillare and Prof. SC Garkoti
(Abstracts & Publication)
Prof. UC Kulshrestha (Technical sessions)
Dr. Paul Raj (Venue Management)
Dr. JK Tripathi (Accommodation and Catering)
Dr. Ilora Ghosh (Registration)
Prof. PK Joshi, Dr. Sudesh Yadav and Dr. Vijay Pal Yadav (Poster session)
Dr. Arun Srivastava (Travel)

Registration

Registration fee is payable in cash at on-the-spot registration desk at the venue. Registration benefits include access to technical sessions, the Conference material, tea and lunch break on both the days.

Registration fee for Students:	Rs. 500/-
Registration fee for Faculty/Postdoc and Others:	Rs. 1000/-

Abstract Submission

The Conference solicits contributions of abstracts that adhere to the Conference themes. Participants are invited to send e-abstracts not exceeding 500 words, in English and with a clear title. No charts or graphics should be included in the abstracts. Acceptance of abstracts opens from 23rd February 2016 and closes at 5pm on 5th March 2016. Please include the 'subject' line clearly stating the theme under which the abstract is being submitted and send it to ncepiar2016@gmail.com. All submitted abstracts will be reviewed and authors will be notified regarding selection of abstract for oral/poster presentation on or before 12th March 2016. All the selected abstracts will be published with an ISBN number.

Poster Presentation

The poster size is to be 3ft wide and 4ft high (36" x 48"). It should include title, authors, affiliation, abstract, introduction, materials and methods, results and discussion, conclusion and literature cited. The title, authors and affiliations of the poster should be exactly the same as in the submitted abstract for easy identification of the paper. Most data are best represented with figures rather than tables. The following minimum font sizes are recommended:

- Title 75 pt
- Authors and Affiliations including e-mail of the presenting author 40 pt
- Section Headings 28 pt
- Text 22 pt

The authors are responsible for:

- Mounting their poster in the marked area according to the registration number assigned at the registration desk
- Removing the poster immediately after their session

Fixing materials will be provided. Please do not affix posters on any place other than the board to which it has been allocated, and use only the fixing material supplied. One Best Poster Award under each theme area will be given during the valedictory program of the conference.

Accommodation

Participants will have to arrange their own accommodation.

Contact us

All queries may please be e-mailed to:

Dr. Meenakshi Dua

Convener NCEPIAR- 2016

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http://www.jnu.ac.in/Conference/SES_NCEPIAR.pdf