



**Recent Advances in
Environmental Protection
(RAEP 2009)**



International Conference & Exhibition
Organized by **Chemistry Department, St. John's College, Agra**
Venue: Hotel Clarks Shiraz, Agra, India **December 17-19, 2009** www.raepsjc.org

PROGRAMME

DAY 1: THURSDAY, DECEMBER 17, 2009

REGISTRATION : 8:30-10:00 hrs

INAUGURATION : 10:00-11:30 hrs

10:00 hrs	Lighting of Lamp by chief guest Dr A.K. Balyan , Director (HR) ONGC , Delhi Welcome of guests
10:05 hrs	Blessings & Prayer Rt Rev. S. R. Cutting , Bishop of Agra Diocese, Chairman GB of St John's College, Agra
10:10 hrs	Welcome Address Prof. F.M. Prasad , Patron of RAEP, Principal, St John's College, Agra
10:15 hrs	Introductory Speech Dr R.P. Singh , RAEP Convener, Asso. Prof. of Chemistry, St John's College, Agra
10:20 hrs	Keynote Address Dr A.K. Balyan , Director (HR) ONGC, Delhi
10:50 hrs	Guest of Honour Address Er Guharay , ED, Mathura Refinery, Mathura, UP, India
11:00 hrs	Address by VC Prof. K N Tripathi , Cheif Patron of RAEP , VC of DBRA Univ., Agra
11:10 hrs	Release of Souvenir
11:25 hrs	Vote of Thanks Dr Ashok Kumar , Chairman of RAEP, Head of Chemistry Department, St John's College, Agra

Tea Break: 11:30-12:00 hrs

SPECIAL TALKS

12:00-13: 30 hrs

Chairperson: Prof. Manju Mohan, Centre for Atmospheric Sciences, IIT, Delhi, India

Are there acid rain problems in Asia? Prof. Henning Rodhe , Department of Meteorology, Stockholm University, Sweden
Environmental protection strategies for sustainable development Dr R.K. Khandal , Director, SRI, Delhi, India
Public Rights to Access Environmental Information and Participate in Decision Making in Local, National and Transboundary Environmental Matters: Human Rights, Environmental Rights Prof. Christine Eleanor Anderson , Department of Law, American University, Cairo
India, energy and the world: New challenges, new opportunities Mr Narendra Taneja , energy commentator, journalist, writer, Convener and CEO of World Oil & Gas Assembly and India Shipping Summit, Chairman and Managing Director of NHST Monde Communications, Executive Chairman of India-Norway Business Council, Delhi, India

Lunch Break :13: 30-14:30 hrs (*Poster Presentation during Lunch*)**TECHNICAL SESSION 1****HALL A**

14:30-16: 30 hrs

Pollution control: Control measures for air/carbon emission, water, soil, noise, radiation and nuclear pollutions**Cochairs: Prof. Christine Eleanor Anderson**, Department of Law, American University, Cairo and **Mr Narendra Taneja**, energy commentator, journalist, writer, CEO, Chairman, DM of NHST Monde Communications, Executive Chairman of India-Norway Business Council, Delhi, India**Technical incharge: Dr Ajay Taneja**, RAEP Coconvener, Chem. Head, DBRA Univ., Agra

Talk: Global water challenges and drinking water technologies Prof. Ram Gopal , Director of Mandsaur Institute of Technology & Chairman of BRNSS Research Council, Mandsaur, MP, India
In-situ measurement of ¹³⁷ Cs from large volume sea water using impregnated cartridge Dr Usha Narayanan , Environmental Studies Section, HPD, BARC, Trombay, Mumbai, India
Impact of particle size on concentration factor of water and acid soluble components in respirable dust Dr Ajay Kumar , Environmental Studies Section, HPD, BARC, India
Natural radiation and dose rate around Thorium Mining Facility at Orissa, India Dr Sunil Kumar Sahoo , Scientific Officer (C), EAD, BARC, Trombay, Mumbai, India
Measurement of ⁶⁰ Co in steel samples by gamma spectrometry Smt. Devika. K. , Scientific Officer, Radioanalytical Laboratory, Board of Radiation & Isotope Technology, BARC, Navi Mumbai, India
Polytetrafluoroethylene based anodized cookwares: suitability assessment with particular relevance to migration of metals Ms. Vartika Agarwal , ITRC (CSIR), Lucknow, India
Time series modelling of SPM concentration in Delhi Dr Krishan Kumar , Associate Professor, School of Environmental Sciences, JNU, New Delhi
Residual analysis of pesticides in surface water of Nagpur, India: An approach to water pollution control Dr Binota Thokchom , Analytical Instruments Division, National Environmental Engineering Research Institute, Nagpur
Metal pollution studies on industrial waste waters by voltammetry Prof. P. K. Sharma , Head, Chem. Dept., JNV University, Jodhpur, Rajasthan, India
Dust and NOx reduction in heavy fuel oil – fired boilers by a new fuel additive

Tea Break : 16:30-17:00 hrs (*Judgement of Poster Presentation*)

TECHNICAL SESSION 3

HALL A

17:00-19:00 hrs

Pollution control: Control measures for air/carbon emission, water, soil, noise, radiation and nuclear pollutions

Cochairs: **Prof. Madan M. Sharma**, Physics Department, Kuwait University, Kuwait & **Dr Krishan Kumar**, Associate Professor, School of Environmental Sciences, JNU, New Delhi

Technical incharge: **Dr Hemant Kulshrestha**, RAEP Cochairman, Asso. Prof. of Chem., St. John's College, Agra

Talk: Environmental pollution control using catalytic kinetic methods of analysis as an analytical tool Prof. Surendra Prasad , Technology & Env't., The University of the South Pacific, Suva, Fiji
Environmental pollution by radioactive waste disposal from medical institutions and other nuclear research centres along with suggestive remedies. Mr Vijay K Anand , Dept.of Physics, St John's college, Agra
Evaluation of control strategies for reduction of air pollutants from non-vehicular sources in Delhi city Ms Bhargavi S. Rajaram , Project Fellow, Air Polln Control Division, NEERI, Nagpur, India
Impact of effluents from dyeing & printing industries on the chemical character of Bandi River, Pali in Western Rajasthan Dr Shobha Sharma , Assistant Professor, Department of Chemistry, JNV University, Jodhpur, India
Artificial neural network modeling for sorption of trivalent and hexavalent chromium from aqueous system using shelled <i>Moringa oleifera</i> seeds as an agricultural waste Dr J. K. Arora , Dayalbagh Educational Institute, Agra, India
Modeling of catalytic converter to reduce environmental pollution Dr S. Sendilvelan , Mechanical Department, Bharathiyar College of Engineering and Technology, Karaikal, India
Efficiency of granular ferric hydroxide (GFH) in fluoride removal from water Prof. Amir Hossein Mahvi , Chemical Engineering Department, Babol Noshirvani University of Technology, Babol, Iran
Microwave-assisted synthesis of copper nanostructures: Environmental impacts Dr Mithlesh Shukla , Department of Chemistry, Agra College, Agra, India
Air pollution dispersion modeling for mining complex and model performance evaluation Mr Jaiprakash , M. Tech Student, Indian School of Mines university, Dhanbad, India
Gis & remote sensing applications in environmental planning & management Dr Surendra Kumar Yadav , Associate Professor (Environment Management), School of Studies in Environment Management, Vikram University, Ujjain, India
Analysis & monitoring of air pollution by using wireless sensor network Ms K.M.Tajne , Lecturer, Deptt. of Civil Engg, GH Rasoni Polytechnic, Nagpur, India
Total carbon sequestered in selective tree species grown on university campus in Aurangabad, Maharashtra, India Dr B. L. Chavan , Department of Environmental Science, DBAM University, Aurangabad, India
Effect of humic acid on sorption of toxic metal ions by sodium aluminosilicate Dr B. K. Singh , School of Studies in Chemistry, Jiwaji University, Gwalior, India
Constructed wetland system for wastewater treatment Mr Kulkarni Harshad Vijay , Colorado State University, Fort Collins, Colorado, USA
Hydraulic performance of inland ponds circulation systems Prof. Ashraf M. El-Moustafa , Faculty of Engineering Ain Shams University, Cairo, Egypt

TECHNICAL SESSION 4**HALL B**

17:00-19: 00 hrs

Energy conservation: Use bio-mass, solar, wind, ocean, hydel, geothermal, nuclear power, hydrogen, alcohol and fuel cells

Cochairs: **Dr Venu Kalavacharla**, Director, Center for Integrated Biological & Environmental Research (CIBER), Delaware State University, DE, USA
& Prof. Rajeev Jain, Chem. Dept., Jiwaji Univ., Gwalior, MP, India

Technical incharge: **Dr D.S. Seth**, RAEP Coordinator, Asso. Prof. of Chem., St. John's College, Agra

Biofuels from distilled grain via steam gasification using plasmatron Prof. Je-Lueng Shie , Dept. of Environmental Engineering, National I-Lan University, Taiwan
Sweetening processes for fuel gases by using various chemical solvents Prof. Dr. Ala'a Abdulrazaq Jassim , Basrah University, Engineering College, Basrah, Iraq
India's future sources of energy Ms Manjusha Ugale , Sr. Lecturer in Chemistry, GH Raisoni Polytechnic, Nagpur, India
Solar energy induced hydrogen production using multilayered thin films Mr Aadesh P. Singh , Department of Physics & Computer Science, DEI, Dayalbagh, Agra
Enhanced parameter implementation on performance analysis of solar still Dr Hitesh N Panchal , Lecturer, L J Institute of Engineering & Technology, Ahmedabad, India
Effect of co-solvent on neem oil methyl esters Dr P. Selva Ilavarasi , Chemical Engineering Department., Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur, Tamilnadu, India
Uranium contamination of ground water in Punjab region Dr Muhanad Alrakabi , Department of Physics, Panjab University, Chandigarh, India
Solar photovoltaic power conversion using environment friendly power electronics converters Dr Rajesh Gupta , Department of Electrical Engineering, MNNIT, Allahabad, India Purnima Gupta from APS Rewa together as couple
Photogalvanic solar energy conversion Dr K.R. Genwa , Department of Chemistry, Jai Naraiyan Vyas University, Jodhpur, Rajasthan
Ultrasonic method for the diagnosis of adulteration of liquid fuels in environment Mr S.K. Singh , S.O.S. in Chemistry, Jiwaji University, Gwalior, MP, India
Harvesting of bio-energy through textile & sewage waste water treatment Dr V. K. Srivastava , Lecturer, Dept. of Biotechnology, FET, RBS College, Bichpuri, Agra
Treatment of mixture of spent wash from distillery waste and black liquor from paper industry Dr Vishal Pathak , Chem. Dept., Paliwal (PG) College, Shikohabad, UP, India

DAY 2: FRIDAY, DECEMBER 18, 2009

SPECIAL TALKS

10:00-11:30 hrs

Chairperson: Dr C.S. Jain, ED, R&D, ONGC, New Delhi

Nuclear radiation, nuclear terrorism and protection: policy decisions Prof. Madan M. Sharma , Physics Department, Kuwait University, Kuwait and Centre for Research in Environmental Radiation, Kuwait
Characteristics of dicarboxylic acids in Pearl river delta region Prof. Frank S. C. Lee , Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hong Kong
Mathura Refinery - nurturing ecology with novel technology Dr R.K. Gupta , Chief Manager (S&EP), Mathura Refinery, Mathura, UP, India
Climate change mitigation and environmental protection Mr Churchill Dass Prince , Senior Business Analyst, Technosoft Corporation, Michigan, USA

Tea Break : 11:30-12:00 hrs (*Poster Presentation during Tea*)

TECHNICAL SESSION 5 :

HALL A

12:00-13:30 hrs

Pollution control: Control measures for air/carbon emission, water, soil, noise, radiation and nuclear pollutions

Cochairs: Prof. Christine Eleanor Anderson, Department of Law, American University, Cairo & **Prof. Ram Gopal**, Director, Mandsaur Institute of Technology & Chairman BRNSS Research Counseling, Mandsaur, MP, India

Technical incharge: Dr H.B Singh, RAEP Coordinator, Asso. Prof. of Chem., St. John's College, Agra

Talk: Environmental friendly synthesis of functionalized supramolecules derived from calixarenes and their application to separate toxic and trace metals from natural and synthetic samples. Dr. V. K. Jain , Chemistry Department, Gujarat University, Ahmedabad, India
Talk: Indian capabilities for monitoring air qualities Dr S.K. Gupta , Director, Envirotech, New Delhi
Measurement of air quality around two anaerobic lagoons in North Carolina, USA Dr Alfred J. Lawrence , Dep. of Agronomy, Purdue University, West Lafayette, IN, USA
Liquid chromatography mass spectrometry: sophisticated tool for modern analytical research Dr Anoop Kumar , Dept. of Env. Health Sciences, Tulane University, New Orleans, LA, USA
Clean and sustainable recent invention: survismeter, a boon to science and industry Mr Brajesh Kumar Agrawal , Chemistry Research Lab., Deshbandhu College, University of Delhi, New Delhi
Treatment of mine water for removal of total hardness using low cost material Dr Bably Prasad , Scientist, CIMFR, Dhanbad, Jharkhand, India
Emissions of particulate polycyclic aromatic hydrocarbons from biomass fuels used in Delhi, India Dr Dharampal Singh , Indira Gandhi Institute of Technology, GGS Indraprastha Univ., Delhi
An imperative scenario of common effluent treatment plants (CETPs) and pollution control in small scale industry-ill India with special reference of CETP at Jajmau, Kanpur, UP Dr Jitendra Kumar , Department of Agricultural Extension, CS Azad Univ. Ag. & Tech., Kanpur, India
Application of zero valent iron in remediation of chromium in groundwater

Mr Rajneesh Kumar Srivastava , Department of Environmental Science and Engineering, Indian School of Mines University, Dhanbad, India
Hybridization of solar energy and wind energy Mr Varun Baxi , Dept. of ECE, National Institute of Technology, Trichy, India
Catalytic converters for reduction of propane Dr Sanchita Chauhan , University Institute of Chemical Engg. and Technology, Panjab University, Chandigarh, India
Adsorptive and desorptive studies on toxic dye congored from wastewater using deoiled mustard, a low-cost adsorbent Dr Shalini Sikarwar , Dept. of Environmental Chemistry, Jiwaji University, Gwalior, India
Removal of chromium from tannery effluent using high gradient magnetic separation technology (HGMST) by nano particle (magnetite) Dr Settu Saravanan , Chemical Engineering Dept, NIT, Tiruchirappalli (Trichy), India
Trace determination of fourth generation cephalosporin antibiotic cefpirome in pharmaceuticals and wastewater using multiwalled carbon nanotube modified glassy carbon electrode Dr Keisham Radhapyari , Chem. Dept., Jiwaji University, Gwalior, MP, India
A note on the safe disposal of fly ash and its impact on the surrounding area Mr Arvind Kumar Rai , Research Scholar, Dept of Envntl Sci and Engg, ISMU, Dhanbad, India
Sorption of chromate and arsenate by surfactant modified zeolite Dr Vandana Swarnkar , School of Studies in Chemistry , Jiwaji Univ., Gwalior, MP, India

TECHNICAL SESSION 6 :

HALL B

12: 00-13:30 hrs

Disease prevention: Pollution borne diseases

Cochairs: **Dr Venu Kalavacharla**, Director, Center for Integrated Biological & Environmental Research (CIBER), Delaware State University, DE, USA & **Prof. Manju Mohan**, IIT, Delhi

Technical incharge: **Dr Raju V. John**, RAEP Coordinator, Assist. Prof. of Chem., St. John's College, Agra

Talk: Development of moxibustion based novel technique using himalayan herbs for fast relief as well as prevention of certain human ailments

Dr Debasis Bakshi, Director, HOD, Acupuncture & Integrated Medicine, IRIIM, Howrah, India

Air quality standards in mitigating air pollution related health risks in India

Dr Rajendra Prasad, Chief Excecutive, Ecotech Instruments, Greater Noida, NCR, India

Water crisis & dental fluorosis senario in Rajasthan

Dr Anup N., Prof. & Head, Dept. of Public Health Dentistry, , Jaipur Dental College, Jaipur, India

Role of pharmaceutical care practices in health promotion and disease prevention

Dr Priyanka Singh, Lecturer, College of Pharmaceutical sciences, RKGIT, Ghaziabad

Dental fluorosis and water defluoridation

Dr Rukma Parthvi, SN Medical College, Agra

Green pharmacy: a novel approach to prevent pharmaceutical pollution

Ms Sonal Setya, Asst. Prof., RKGIT, Ghaziabad

Dioxin pollution – a study on levels of dioxin residues in human milk samples from Gujarat, India

Dr Rekha Kashyap, Scientist, Nat. Inst. of Occupational Health, Ahmedabad, India

Contribution of environment to cancer and it's prevention strategies -a review

Prof. Ali Mohammad, Chairman, Department of Applied Chemistry, Faculty of Engineering and Technology, AMU, Aligarh, India

Fluoride exposure to human health, consequences and remedial measures

Dr Neeraj Agnihotri, SRS, Integral University, Lucknow, India

Effect of vitamin C on the growth and immune response of <i>Catla catla</i> Ms Trapti Tiwari , Dept. of Applied Aquaculture and Zoology, Barkatullah University, Bhopal
Essential trace metal content in some plants of medicinal importance Dr Bijoy S Gowami , Chem. Dept., B. Borooah College, Guwahati, Assam, India
Microwave extraction, isolation, chemical characterization of medicinal plants Dr Mahesh Srivastava , Department of Chemistry, Lajpat Rai College, Sahibabad, Ghaziabad, UP, India
Beneficial effects of <i>Andrographis paniculata</i> (Kalmegh) on acute renal failure in albino rats Ms Pratibha Singh , Department of Chemistry, DEI, Dayalbagh, Agra, India
Role of vitamin E and C on sulphur dioxide induced hepatotoxicity in albino rats Dr Asha Agarwal , Zool. Dept., School of Life Sciences, DBRA University, Agra, India
Health, hygiene and nitrates Mr Rubal Arora , JNV Univ., Jodhpur, India
Phytoprotective effect of <i>Brassica oleracea</i> on human breast cancer cell line MCF-7 and MDA-MB-468 Ms B.K Ojeswi , Chem. Dept., Dayalbagh Educational Institute, Agra
Evaluation of antioxidant and anticancer activity of <i>Chenopodium album</i> plant: against melanoma cancer Ms Menka Khoobchandani , Chem. Dept., DEI, Dayalbagh, Agra
Nutritive value of <i>Labeo pungusia</i> of the river Kosi of Kumaun, Uttarakhand Dr Tripti Tiwari , DCFR (ICAR), Bhimtal, Nainital, Uttarakhand, India

Lunch Break : 13: 30-14:30 hrs (*Poster Presentation during Lunch*)

TECHNICAL SESSION 7

HALL A

14:30-16: 30 hrs

Environmental biotechnology: Application of biotechnology in ecoconservation, pollutant remediation, eco-agriculture and waste management

Cochairs: **Mr Churchill Dass Prince**, Senior Business Analyst, Technosoft Corporation, Michigan, USA & **Dr Debasis Bakshi**, Director, HOD, Acupuncture & Integrated Medicine, IRIIM, Howrah, India

Technical incharge: **Dr Mohd. Anis**, RAEP Coordinator, Asso. Prof. of Chem., St. John's College, Agra

Role of biotechnology in the conservation of plant biodiversity Sant S. Bhojwani , Emeritus Professor of Botany, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra, India
Building correlations based on fermentation acids and reducing power from cellulose substrate for the performance of rumen microbial fuel cells Dr C-T Wang , Department of Mechanical and Electro-Mechanical Engineering, National I-Lan University, I Lan, Taiwan
Removal of dyes from textile wastewater in the activated sludge system by addition of bentonite and organo-bentonite Prof. Ramazan ali Dianati Tilaki , Assistant Professor, Mazandaran University of Medical Sciences, Faculty of Health, Department of Environmental Health, Sari, Iran
In vitro propagation of <i>Nymphoides cristatum</i> (Roxb) <i>O. Kuntze</i> from nodal explant Dr M.H. Niranjana , Botany Dept., Mysore Univ., Manasagangothri, Mysore, Karnataka, India
Cytogenetics of microcephaly & mental retardation Mr Vara Lakshmi.Pilli , Department of Biosciences, Veer Narmad South Gujarat University, Surat, India
Food plant spectrum of <i>Agrotis ypsilon</i> (Noctuidae: Lepidoptera) related to its growth potential Dr Gunjan Verma , Department of Zoology, Swami Shraddhanand College, Alipur, Delhi
Hair as bioindicator of metal pollution due to occupational exposure to metals Dr Amit Singh Thakur , Environmental and Acoustic Laboratory, Department of Pure and

Applied Chemistry, Maharshi Dayanand Saraswati University, Ajmer, Rajasthan, India
Biotechnological endeavors for sustainable management of pulp & paper industrial waste waters Dr Anil Kumar , Research Scientist, Environmental Biotechnology Division, Institute of Genomics and Integrative Biology, Delhi Univ. North Campus, Delhi
Saving environment: Study on physical properties of biomass briquettes for efficient use in rural India Dr Goraksha C. Wakchaure , Scientist (AS&PE), Directorate of Mushroom Research (ICAR), Chambagaht, Solan, Himachal Pradesh, India
Production of chitinase by solid state fermentation from rice bran Mr Sudhakar. P , Department of Chemical Engineering, DDE, Annamalai University Annamalai Nagar, Tamilnadu, India
Parasites of uzi – fly, <i>Exorista sorbillans</i> wiedemann (Diptera : Tachinidae) x. effect of temperature on developmental period, progeny production and longevity of <i>Nesolynx thymus</i> (girault) (Hymenoptera : Eulophidae) Dr Anand Kumar , Deptt. of Zoology, Agra College, Agra, India
Kinetics and equilibrium studies of methylene blue dye adsorption on some seaweeds Mr S.Thillai Natarajan , PG and Res. Dept of Chem., TBML College, Porayar, Tamilnadu
Impact of air pollution on photosynthetic pigments (chlorophyll) of some selected trees grown in and around Aurangabad city Mr Nandkishor Sonwane , Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India
Dr degradation of ONGC effluent containing hydrocarbons by application of biotechnology Dr Monika Chandel , Department of Biosciences, Veer Narmad South Gujarat University, Surat, India
Equilibrium and kinetics of biosorption of copper(II) and cadmium(II) ions by dried activated sludge Dr Ahmad Ashfaq , Asstt. Professor, F/O Engineering & Technology, AMU, Aligarh, India
Biotransformation of food dye amaranth by <i>Bacillus badius</i> Dr Ravindra M. Shinde , Chem. Dept., Biochemistry Division, University of Pune, Pune, India
Time-constant method of modeling biosorption kinetics for removal of heavy metals from waste-water Dr Purnima Gupta , School of Environmental Biology, APS University, Rewa, MP, India
Studies on predatory and parasitic species of insects, the biological control agents at Rewa (M.P) India Dr Arti saxena , Department of Zoology, Government Science College, Rewa, MP, India

TECHNICAL SESSION 8

HALL B

14:30-16: 30 hrs

Waste management: Reduce, reuse and recycle waste. Nuclear waste disposal

Cochairs: Prof. Frank S. C. Lee, **Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hong Kong** & Dr J.S. Sharma, **Dr J.S. Sharma, Deputy GM (Chem), CHSE, ONGC, Delhi**

Technical incharge: Dr Shalini Nelson, **RAEP Coordinator, Assist. Prof. of Chem., St. John's College, Agra**

Talk: Value added building materials from waste gypsum

Dr Manjit Singh, Ex. Scientist 'G', CBRI, Roorkee, India

Health hazards of e-waste recycling and hospitals' role play in India

Dr. Saba Hilal, Director, RICAAT- Rawal Institutions, Faridabad, HR, India

Innovative environmental management strategies of solid waste for sustainable development

Dr Upma Singh, Lecturer, Department of Life Sciences, RKGIT, Ghaziabad

Utility of egg shell waste in environmentally important *Neurospora crassa* growth system

Mr Nitin Verma, Dept of Paper Technology, IIT, Roorkee, India

Comparative studies on solid state production of lactic acid through pure cultures and coculture of lactobacilli utilizing sugarcane bagasse bed material

Mr Manoj Kumar Ghosh, Dept of Paper Technology, IIT, Roorkee, India

Eco-friendly disposal of feather and hair waste by <i>Chrysosporium tropicum</i> – a potent keratinophilic fungus Dr Y. Avasn Maruthi , Department of Environmental Studies, GITAM Institute of Science, GITAM University, Visakhapatnam, Andhra Pradesh, India
Aquatic weeds can be utilized as feed supplement for fishes Mr Vipin Kumar Sharma , Department of Zoology and Aquaculture, Barkatullah University, Bhopal, MP, India
Degradation of dichlorophenol by aqueous ferrate solution – a benign method Ms R. Praveena Juliya Dorathi , Research Scholar, Centre for Environmental Studies, Anna University Chennai, Chennai, Tamilnadu, India
Solid waste management : A challenge of 21 st century Dr Manoj Kumar Panda , Lecturer in Zoology, Udaya Pratap Science College, Berhampur University, Sheragada Ganjam, Orissa
Removal of dyes from textile wastewater by adsorption using TiO ₂ , ZnO (semiconductors) and commercial activated carbon as photocatalyst Dr Kamlesh Joshi , Centre for PG Studies and Res. in Chemistry, GTP College, Nandurbar, Maharashtra, India
Eco-logical waste management with vermiculture ecotechnology Dr Uday S. Bhawalkar , Director, Bhawalkar Ecological Research Institute (BERI), Pune, India
Removal of hazardous wastes in chemical industries: A review Dr Pankaj K. Pandey , Department of Chemical Engg., Faculty of Engg. & Tech., RBS College-Bichpuri,

Tea Break : 16:30-17:00 hrs (*Judgement of Poster Presentation*)

TECHNICAL SESSION 9

HALL A

17:00-19:00 hrs

Environmental biotechnology: Application of biotechnology in ecoconservation, pollutant remediation, eco-agriculture and waste management

Cochairs: **Dr R. K. Suri**, Additional Director, Ministry of Environment & Forests, Govt. of India, New Delhi & **Dr Neeraj Saxena**, Mission REACH, Technology Information, Forecasting & Assessment Council – TIFAC, Department of Science & Technology, Govt. of India, New Delhi

Technical incharge: **Dr Anita V. K. Anand**, RAEP Coordr, Assist. Prof., St. John's College, Agra

Absorption and degradation of chemical compounds with the help of biotechnological process
Mr Hiren K. Patel, Department of Biosciences, Veer Narmad South Gujarat University, Surat, India

Biosorption of Cr (VI) from aqueous solution using *Odina wodier*

Mr R. Benjamin, Department of Chemistry, TBML College, Porayar, Tamilnadu, India

AMOUNT RECEIVED Growth, survival and dietary utilization of gold fish (*Carassius auratus*) fed on formulated feeds with different protein levels

Mr Ghanshyam Nath Jha, Department of Applied Aquaculture and Zoology, Barkatullah University, Bhopal, MP, India

Bioremediation of heavy metal ions and organic pollutants present in municipality and canteen waste
Dr I. P. Pandey, Department of Chemistry, DAV (PG) College, Dehradun, UK, India

Parasites of uzi – fly, *Exorista sorbillans* wiedemann (Diptera : Tachinidae) x. effect of temperature on developmental period, progeny production and longevity of *Nesolynx thymus* (girault) (Hymenoptera : Eulophidae)

Dr Anand Kumar, Deptt. of Zoology, Agra College, Agra, India

Enzymatic sacchrification of H₂O₂ (alkaline) pretreated rice hulls for fermentable sugar production
Dr Anita Singh, Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana, India

Consequences of ozone layer depletion on some cosmetic plants Mr D. Muthuselvam , Botany Dept, St. John's College, Agra
<i>Trichoderma</i> spp. as biocontrol agent against <i>Colletotrichum gloeosporioides</i> causing mango anthracnose Dr A. Pandey , Plant pathology Laboratory, Central Institute for Subtropical Horticulture, Lucknow, India
Biosorption of nickel(II) by free and immobilized biomass of <i>Aspergillus heteromorphus</i> Dr Asha Gupta , Deptt. of Env. Sc. & Engg., Guru Jambheshwar University of science & Technology, Hisar, Haryana, India
Bioconversion of lignocellulosic substances into biofuels precursors using biocatalysts Dr Rajesh Singh , Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar, HP, India
Biosorption of copper(II) heavy metal in industrial wastewaters of Agra by fungus isolated from soil Ms Ratnika Varshney , Microbiology Research Lab, Department of Botany, RBS College, Khandari, Agra, India
Novel biopolymeric material: a green approach for the decontamination of cadmium from waste water Dr Abhishek Kardam , Department of Chemistry, DEI, Dayalbagh, Agra, India
Biochemical changes due to various environmental pollutants affecting the therapeutic potentialities of certain medicinal plants Mr Javid Iqbal Pandith , Department of Botany, St. John's College, Agra, UP, India
Water pollution management through applied environmental biotechnology Dr Surendra Kumar Yadav , Associate Professor, School of Studies in Environment Management, Vikram University, Ujjain, MP, India

TECHNICAL SESSION 10

HALL B

17:00-19: 00 hrs

Eco-agriculture: Soil, irrigation systems, manures, fertilizers, management of agricultural produce, crop biotech and bio-pesticides

Cochairs: **Prof. Surendra Prasad**, Technology & Env't., The University of the South Pacific, Suva, Fiji & **Dr Manjit Singh**, Ex. Scientist 'G', CBRI, Roorkee, India

Technical incharge: **Dr P. E. Joseph**, RAEP Coconvener, Asso. Prof. of Chem., St. John's College, Agra

Talk: Recent developemnets in chemistry, production and use of botanical pesticides Dr Suresh Walia , Principal Scientist and Consortium Principal investigator, NAIP sub-project, Division of Agricultural Chemicals, IARI, New Delhi
Industrial and sewage waste water use in Agriculture in relation to soil-plant-animal-human health Dr Sanjay Arora , Senior Scientist (Soils), Central Soil Salinity Research Institute Regional Research Station, Bharuch, Gujarat , India
Study of soil quality in the pipeline route from Salaya to Bhogat in Gujrat, India Dr Sharda Dhadse , NEERI, Nagpur, India
Pesticide residue problem in food and ways to minimize it Dr Soudamini Mohapatra , Pesticide Residue Laboratory, Division of Soil Science and Agriculture Chemistry, Indian Institute of Horticultural Research, Hessaraghatta Lake,. Bangalore, India
Monitoring of herbicide (MH) toxicity by using pollen as indicators pollen of mung - a critical review Dr S.A. Salgare , Salgare Research Foundation Pvt. Ltd., Karjat, Maharashtra, India
Comparative assessment of soxhlet method and modified quechers method for the multiresidue pesticides extraction from the soil Dr Swatantra Pratap Singh , Environmental Engineering and Management Program, Department of Civil Engineering, Indian Institute of Technology, Kanpur, UP, India
Land degaradation due to float ore mining in Sandur area of Bellary District, Karnataka, India

Prof. K.H. Shivaprasad , Dept. of Applied Geology, Sandur, Bellary Dist, Karnataka, India
Climatic change and yield of crop plant Mr Hatam Maaruoof , Ph.D. student of plant physiology and faculty member in Islamic Azad University of Miandoab Branch, Tehran, Iran
Fungicidal properties of secondary metabolites produced by entomopathogenic nematode (EPN) symbiotic bacterium <i>Xenorhabdus</i> sp. Assam-isolate Ms Khushbu Sharma , Division of Agricultural Chemicals, Division of Nematology, Indian Agricultural Research Institute, New Delhi
Determination of organochlorine pesticide residues in freshwater fish species in Agra, India Ms Geeta Singh , School of Chemical Sciences, Chem. Dept. St. John's College Agra
Rice-wheat cropping system and environmental issues Dr. Gulshan Mahajan , Agronomist (Rice), Punjab Agricultural University, Ludhiana, India
Effect of various weed management practices on weed dynamics and performance of seed yield of soybean under agro-climatic situation of Chhattisgarh Dr Sandeep Sharma , Indira Gandhi Agricultural University, Raipur, CG, India
Use of surfactants as mobile phase on the adsorption and migration of Zn(II) and Cd(II) in soil-systems Dr Abdul Moheman , Analytical Research Laboratory, Department of Applied Chemistry, Faculty of Engineering & Technology, Aligarh Muslim University, Aligarh, India
Assessment of micronutrient status at Vedaranyam Taluk of Tamil Nadu, India Mr R. Vijayakumar , Department of Engineering, Manipal University, Dubai, UAE
Physico-chemical parameters of groundwater from different regions of Surat Ms Jigna Desai , Department of Biosciences, Veer Narmad South Gujarat University, Surat, India
Histological variations in the gut of certain upland fishes of Kumaun (Uttarakhand) Ms Shabnam Kumari , Department of Zoology and Aquaculture, Barkatullah University, Bhopal, MP, India
“Pesticides” potential hazard to the environment: study on their migration through soil open bed soil planar chromatography Ms Sameen Laeeq , Applied Chemistry Dept, Aligarh Muslim University, Aligarh, India
Precision farming: The most scientific and modern approach to sustainable agriculture Dr Tushar S. Kelkar , Environmental Sciences Research Laboratory, Head, Department of Botany, Wilson College, Mumbai, India
Application of cyanobacteria as a substitute of nitrogen for cultivation of paddy (<i>Oryza sativa</i> L.) Dr Sanjay Yadav , Botany Dept., Dayalbagh Educational Institute, Dayalbagh, Agra
Silvipasture: A potential agroforestry system for reclamation of red lateritic soil in Chhattisgarh plains, India Dr Rajiv Umrao , Senior Research Fellow & Ph.D. Scholar, Centre for Social Forestry & Eco-rehabilitation, New Katra, Allahabad, India
Influence of Aachal dairy mill effluent on biomass production and yield of different agricultural crops Dr Sangeeta Arora , Environmental Science Dept, Kanya Gurukul Mahavidyalaya, Haridwar, India

Cultural Evening at St. John's College: 19: 30-21:00 hrs

Dinner: 21:00-22:00

DAY 3: SATURDAY, DECEMBER 19, 2009

Visit to Taj : 8:00-10:00 hrs

SPECIAL TALKS

10:00-11: 30 hrs

Chairperson: Mr Sunder Lal, Group GM, ONGC, Dehradun, India

Classical genetics to genomics: Approaches to understanding bean disease resistance and genome organization Prof. Venu Kalavacharla , Director, Center for Integrated Biological & Environmental Research (CIBER), Delaware State University, Dover, DE, USA
IAQ investigation in Terra Cotta Musium in Xian Prof. Frank S. C. Lee , Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hong Kong
Regulatory framework for industrial waste management Dr R. K. Suri , Additional Director, Ministry of Environment & Forests, Govt. of India, New Delhi
Recent advances in waste management Dr A.M. Sherry , Director, IMT, Gaziabad, India
Integrated multi product processing of municipal solid waste Maj. Narendra Pal , AKC Developers Ltd., Faridabad, India

Tea Break: 11:30-12:00 hrs

TECHNICAL SESSION 11 :

HALL A

12: 00-13:30 hrs

Eco-conservation and sustainable development: Proper use, conservation and management of air, water, soil and wild life. Agriculture and industry as major sectors of development

Cochairs: Prof. Christine Eleanor Anderson, Department of Law, American University, Cairo & **Dr Dinesh Jain**, Jt. President, Uflex Ltd., Noida, NCR, India

Technical incharge: Dr Ajay Taneja, RAEP Coconvener, Chem. Head, DBRA Univ., Agra

Talk: Planning and criteria for setting up of oil spill response facilities to protect marine environment, current practices in india vis-à-vis global scenario Dr J. S. Sharma , Deputy General Manager (HSE), Department of Health, Safety & Environment, Oil & Natural Gas Corporation Limited, New Delhi, India
Talk: Advances in hazardous biomedical wastes treatment technology for environmental protection – a case study Prof. Mrinal K. Ghose , Department of Environmental Science and Engineering, Indian School of Mines University, Dhanbad, Jharkhand, India
Natural resource conservation for sustainable hill agriculture: challenges ahead Dr Sanjay Arora , Senior Scientist (Soils), Central Soil Salinity Research Institute Regional Research Station, Bharuch, Gujarat, India
Current issues for sustainable developments: with special reference to pollution & population Dr. Pradeep K. Sharma , Associate Professor, Department of Chemistry, JNV University, Jodhpur, Rajasthan, India
Climate change & sustainable management of natural resources Dr Manish Mishra , Faculty of Forestry & Ecosystem Management, IIFM, Bhopal, India
Eco-conservation of Orissa coast in India: An analysis. Ms Sahana Bose , Research Scholar, Political Geography Division, School of International Studies. JNU, New Delhi

Neat reaction technology: as a sustainable development Synthesis of some new n-alkyl and n-alkyloxy phthalimides by microwave irradiation method Dr Prakash B. Patil , Synthetic Organic Research Laboratory, Department of Chemistry, Pratap College, Amalner, Dist. Jalgaon, Maharashtra, India
Eco-conservation of sea turtle along Rushikulya beach, Orissa, east coast of India. Dr Lakshman Nayak , Marine Science Dept., Berhampur University, Berhampur, Orissa, India
Preventive conservation of heritage structure at Aligarh university: a case study Dr Mohammad Farhan Fazli , Asst. Professor, F/O Engineering & Technology, AMU, Aligarh
Conservation of the Ganges river dolphin using crittercam technology Mr Amogh Anand Vaishampayan , Student, Dept of Mechanical Engineering, National Institute of Technology, Trichy, India
Sustainable development, environmental crisis and the sociological consciousness Dr (Ms) Archana Srivastva , Lecturer, Department of Sociology, Institute of Social Sciences, Dr. B.R. Ambedkar University, Agra, India
Physico-chemical analysis of water from Chamba District, Himachal Pradesh Mr Vikas Jasrotia , Chem. Dept, Lovely Professional University, Jalandhar, India
Tobacco plant and ozone Mr Rushi M. Desai , M.Sc. II, Environmental Science, Gujrat University, Ahmedabad, India
Physicochemical studies of pollutants in waste water of Berhampur city, Ganjam, Orissa Mr Simanchala Das , PG Dept of Marine Sciences, Berhampur Univ., Berhampur, Orissa, India
Screening of super strain of <i>Spirulina platensis</i> against microbial growth Mr Vinay kumar , Microbiology Laboratory, Botany Dept, DEI, Dayalbagh, Agra
Sustainable lemon grass productivity by an integrated mathematical approach for proper land use Dr Brajesh Kumar Singh , Department of Computer Science & Engineering, Department of Chemistry, FET, RBS College, Agra, UP, India
Safe drinking water management strategies for Bharatpur city, Rajasthan Dr Laxmi Kant Gupta , Chem. Dept, MSJ College, Bharatpur, Rajasthan, India
Conservation and management of water through rejuvenating tanks Ms Anuradha Baskaran , Research scholar, Centre for Water Resources, Anna University, Chennai, Tamilnadu, India
Participation of people's in sustainable rural development Ms Varsha , Ph.D. Scholar, CSAU&T, Kanpur, India

TECHNICAL SESSION 12 :

HALL B

12: 00-13:30 hrs

Environmental awareness, disaster management & forecasting: Earthquakes, droughts, floods, cyclones, landslides and man-made (technological and industrial) disasters

Cochairs: **Dr Umesh Kulshrestha**, Professor, School of Environmental Sciences, JNU, India &

Dr A.M. Sherry, Director, IMT, Gaziabad, India

Technical incharge: **Dr P. E. Joseph**, RAEP Coconvener, Asso. Prof. of Chem., St. John's College, Agra

Talk: Kuwait muon telescope and space weather prediction

Prof. M.M. Sharma, Physics Department, Kuwait University, Kuwait

Talk: Atmospheric dust in India- A natural geo-engineering tool to combat climate change

Dr Umesh Kulshrestha, Professor, School of Environmental Sciences, JNU, India

Importance and characterization of carbonaceous aerosols: Indian scenario

Dr Monika J Kulshrestha , Radio & Atmospheric Sciences Division, NPL, New Delhi
Nanobiosensors for pesticide monitoring Dr M. S. Gaur , Department of Physics, Hindustan College of Science & Technology, Farah, Mathura, India
The crisis management of flood in Isfahan using atmospheric system Dr Amir Gandomkar , Islamic Azad University - Najafabad Branch, Iran
Fast depleting water resources associated with enhanced consumer need in urban India: a big environmental challenge of major cities Dr Vinod Kumar Khandelwal , KR (PG) College, Mathura, India
Levels of toxic metals and their transfer in the soil-plant system under actual field conditions Dr Uma Harikishan , School of Chemical Sciences, Chemistry Department, St. John's College, Agra
Drawbacks of environmental impact assessment in India Mr Ratan Kumar Mishra , Environmental chemistry, Jiwaji University, Gwalior, MP, India
An anthropogenic approach of environmental protection strategy for sustainable development in Southern Rajasthan-a case study of Umarjhala clusters of Banswara district Dr Seema Bharadwaj , Head of Zoology Department, Sh. Govind Guru Govt. PG College, Banswara, Rajasthan, India
Growth response of two important differentially drought tolerant species during early stage of growth Dr Renu Dhupper , Lecturer in Amity University, Lucknow
Corrosion inhibition of mild steel by alkaloid extract of <i>Ocimum sanctum</i> in HCl and HNO ₃ solution Dr Nutan Kumpawat , Department of Chemistry, Government College, Ajmer, India
Polychaetes play as biomonitor in the coastal environment Dr Partha Das , Directorate of Coldwater Fisheries Research (ICAR), Bhimtal, Uttarakhand, India
Build green: stay green and stay healthy Dr Sagarika Bhattacharya , College of Engg Sciences and Technology, Lucknow, India
Potential of underground water quality with reference to urbanization and industrialization of city in the year 2009 Ms Priti Patel , TIFAC-CORE in Environmental Engineering, Surat, Gujarat, India
Hydro geochemistry of Lucknow in relation to arsenic concentration and its correlation with hydro geochemistry of arsenic affected areas Mr Vinay Kumar Pathak , SRF, Industrial Chemistry Dept, Integral University, Kursi Road, Lucknow, UP, India
Mycotoxic effect of <i>Calotropis procera</i> (Ait.) leaf extracts against some dermatophytes Ms Raginee Verma , Microbiology Lab., Department of Botany, DEI, Dayalbagh, Agra
Management practices for storm and surface water management and rain water harvesting Dr Jitendra Ambwani , Chem. Dept., SMS Govt. Model Science College, Gwalior, MP, India
Relevance of ayurvedic drugs in checking mycelial growth of <i>M. gypseum</i> in vitro Ms Nidhi Varshney , Department of Botany, St. John's College, Agra
Evaluation of marketed raw drugs of herbal origin for their antidermatophytic nature Ms Sarita Kaushik , Department of Botany, St. John's College, Agra

Lunch Break :

13: 30-14:30 hrs

TECHNICAL SESSION 13

HALL A

14:30-16: 30 hrs

Social issues, awareness and legislation: Eco-clubs, campaigns, carbon credit, success stories & legal provisions

Cochairs: Prof. Christine Eleanor Anderson, Department of Law, American University, Cairo & **Prof. Padma S. Vankar,** FEAT laboratory, IIT, Kanpur, India

Technical incharge: Dr P. E. Joseph, RAEP Coconvener, Asso. Prof. of Chem., St. John's College, Agra

The socio economic impact of mining in Sandur area of Bellary district, Karnataka, India Dr C.Venkataiah, Dept of Applied Geology, P.G.Centre, Sandur, Bellary, Karnataka, India
Environment governance – the need of the gender dimension Dr Shobha Sharma, Department of Physics, St John's College, Agra
Intellectual property & human environment: towards a sustainable future Mr Vikas Saraswat, Patent Attorney, Saraswat & Associates, A Full Service Law Firm, Sector 4, Dwarka, New Delhi
Impact of natural values on human existence and its role in the global environmental protection Pastor Samuel Richmond, Assistant Chaplain, Allahabad Agricultural Institute – Deemed University (AAI-DU), Allahabad, India
Legislation for emission norms Dr Aradhana and Dr Rekha Nigam, Sachdeva Institute of Education, Farah, Mathura, India
Legal provisions & drawbacks for handling and management of computer waste in India Ms Chitrlekha V Vaidya, ME student, SPCE, Mumbai, India
Traditional wisdom of rural women's about flora kingdom and their use in various diseases Ms Uma Rashmi, Department of Agricultural Extension, CS Azad University of Agriculture and Technology, Kanpur, India
Hydropower project and human resettlement with social consensus: A study of Nepal Mr Deep Narayan Pandey, Research Scholar, JNU, New Delhi
Existence, design and influence of dayalbagh eco-village : a framework of sustainability for Agra city Prof. Rohit Shrivastav, Chem. Dept., DEI, Dayalbagh, Agra, India
Conflict of livelihood and ecology: Case of mangroves Ms Swati Pattanayak, Research Scholar, Department of Humanities and Social Sciences, Indian Institute of Technology, Kharagpur, West Bengal, India
A sustainable climate change protocol: challenges and solutions Dr Arpita Saha, National Law University, Jodhpur, Rajasthan, India
Going green has finally gone mainstream: from the dimension of energy law Ms Swati Kaushal, 7th semester, IVth yr, Dr. Ram Manohar Lohiya National Law University Lucknow, India
Participatory forest management and sustainable development: an analysis of community forest management in South India (Andhra Pradesh) Dr V.M. Ravi Kumar, Department of History, B B Ambdekar University, Lucknow, India
Environmental auditing and its countenance Dr Kapil Pathak, Deptt of Commerce, KR College, Mathura, Agra
Economic & social needs as basic consideration for development Dr Deepti Shukla, Lecturer, Physical Education, Prayag Mahila Vidyapeeth Degree Collge, Allahabad, India
Joint family system- A useful model for energy conservation and pollution Dr. Pankaj Bala Srivastava, Reader, English Dept, Mahila PG College, Aminabad, Lucknow
Implications of Indian supreme court's innovations for environmental jurisprudence Dr Anita Pachaura, Deptt. of Political Science, SV College Aligarh, India

TECHNICAL SESSION 14

HALL B

14:30-16:30 hrs

Miscellaneous topics

Cochairs: Dr Suresh Walia, Principal Scientist and Consortium Principal investigator, NAIP sub-project, Division of Agricultural Chemicals, IARI, New Delhi & **Prof R.D. Kaushik, Chem. Dept.**, Gurukul Kangri University, Haridwar, India

Technical incharge: Dr D.S. Seth, RAEP Coordinator, Asso. Prof. of Chem., St. John's College, Agra

Talk: Nanomaterials - as potential burning rate catalysts for solid propellants Prof. Gurdip Singh , Emeritus Scientist (CSIR), Chem. Dep., DDU Gorakhpur Univ., Gorakhpur, India
Characterization of Yamuna river at Agra Prof. Purnima Jain , Dept. of ACEEFO, D.E.I, Agra
Water management at Mathura Refinery Mr. V. S. Dakate , Mathura Refinery, Mathura
Fate and transport of engineered nanoparticles: a mini review Mr Tanush Wadhawan , Department of Civil Engineering, North Dakota State University, Fargo, USA
Power generation from whey in a microbial fuel cell Mr M. Rahimnejad , School of Chemical Engineering, Noshirvani University of Technology, Babol, Iran
Electronic and structural properties of alkaline earth tellurides Dr Seema Gupta , Department of Physics, Agra College, Agra
Energy saving having accurate pool boiling heat transfer coefficient Mr S.M. Peyghambarzadeh , Islamic Azad University, Mahshahr branch, Mahshahr, Iran
Investigation of type of monomer in characteristics of conductive polymer nanocomposites Prof. Hossein Eisazadehb , Babol Noshirvani University of Technology, Babol, Iran
Effect of syntheses conditions on the structure of polyaniline Dr Mahdi Aleahmad , Faculty of Chemical Engineering, Mazandaran University, Babolsar, Iran
Green chemical route towards synthesis of some heterocycles Dr Gunwanti Malhotra , Department of Chemistry, MP Govt. P.G. College, Chittorgarh, Rajasthan, India
Synthesis of conductive polymer nanocomposite with methanol as solution by chemical oxidative polymerization Prof. Hossein Eisazadehb , Babol Noshirvani University of Technology, Babol, Iran
SWOT analysis of carpet industry of Kashmir, India Dr Khursheed Ahmad Wani , Indira Gandhi Academy of Environmental Education Research and Ecoplanning, Jiwaji University, Gwalior, MP, India
Utilization suppression and elimination of <i>Parthenium hysterophorus</i> L. Mr Knox J , Department of Botany, St. John's College, Agra, India
Synthesis and electrochemical characterization of polystyrene base nickel phosphate membrane. Dr R.S. Kushwaha , Dept of Chemistry, Tilak PG College, Auraiya, UP, India
Study of effect of pollutants on the abiotic and biotic factors of Turkaulia Lake at Motihari, North Bihar, India Dr N. Kumar , University Deptt. of Chemistry, BR Ambedkar Bihar University, Muzaffarpur, Bihar, India
Characterization of particulate matter (PM _{2.5}) released from coke ovens using Indian coals Dr Puja Khare , Coal Chemistry Division, North-East Institute of Science & Technology (CSIR), Jorhat, Assam, India
Synthesis of 3-[2-(substituted benzylidene) hydrazino]-3-oxo-n-(4-sulfamoylphenyl) propanamide via environmentally benign and energy-efficient greener methodologies Ms Arshi Naqvi , Chemistry Department, St. John's College, Agra
Particles in indoor air environment Mr David. D. Massey , Department of Chemistry, St John's College, Agra
Food plant spectrum of <i>Agrotis ypsilon</i> (Noctuidae: Lepidoptera) related to its growth potential Mr Achint Verma , Department of Zoology, St. John's College, Agra
Monitoring of water quality of river Yamuna in the City of Taj Ms Mohini Bansal , Department of Zoology, Agra College, Agra

Tea Break :

16:30-16:45 hrs

VALEDICTORY SESSION:

16: 45-17:45 hrs

Chief Guest: Dr B.P. Nilratna

Joint Secretary
Ministry of Environment & Forests
New Delhi

Award ceremony

Young scientist award, age 30 y and below

**Vote of thanks: Dr Hemant Kulshreshtha, Cochairman of RAEP, Asso. Prof. of Chemistry,
St John's College, Agra**
