

SECTION	ENVIRONMENTAL SCIENCES
Sectional President	Dr. Indra D. Bhatt , G B Pant National institute of Himalayan Environment and Sustainable Development, Kosi-Katarmal, Almora
Sectional Recorder	Dr. Priyanka Priyadarshani , ICFAI University Jharkhand, Jharkhand
Sectional Secretary	Dr. Harminder Singh , Lovely Professional University, Jalandhar, Punjab
14:00 – 17:00	04 January 2019
Venue	Block 34, Room -111
Presidential Address	Indra D. Bhatt , G B Pant National Institute of Himalayan Environment and Sustainable Development, Almora, Uttarakhand <i>Biodiversity in India: status, trends and conservation priorities</i>
Platinum Jubilee Lecture	Sunil Nautiyal , Institute for Social and Economic Change, Bangalore, Karnataka <i>Conservation and Socio-ecological development under changing climate in the Anthropocene</i>
Young Scientist Award Presentations	Prasenjit Ray , ICAR – National Bureau of Soil Survey and Land Use Planning (NBSS&LUP), Rowriah, Borbheta, Jorhat, Assam. Suhana Datta , St. Xavier’s College, Kolkata Prasoon Soni , Juna Bilaspur, Kilaward, Bilaspur Chhattigarh Puneet Kumar Verma , Dayalbagh Educational Institute, Dayalbagh, Agra
17.00 – 17.30	SECTIONAL COMMITTEE ELECTION

05th January 2019

TWO PARALLEL SESSIONS

Invited Lectures/Oral Presentations

Venue

Block 34, Room -111

14.00–17.00

Symposium I : Biodiversity for the future India

Invited Lectures

Kashinath Bhattacharya, Visva-Bhrati (Central university), Santiniketan, West Bengal, Kolkata

Environmental factors triggered migration of plants from aquatic to land habitat

PP Dhyani, Shri Guru Ram Rai Institute of Technology & Science Dehra Dun, Uttarakhand

Medicinal plants of Indian Himalaya: Conservation priorities

R S Rawal, G B Pant National Institute of Himalayan Environment and Sustainable Development, Almora, Uttarakhand

Transboundary landscape approach for conservation and development in the Himalaya

Yougasphree Naidoo, University of KwaZulu-Natal, Durban, South Africa

Medicinal properties of an important Southern African plant, Kigelia africana (Lam.) Benth (Bignoniaceae)

Uma Melkania

G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand

Himalayan forests, biodiversity potential and human use

Subrat Sharma, G B Pant National Institute of Himalayan Environment and Sustainable Development, Almora, Uttarakhand

Climate change and Himalayan timberline

MD Behera,

Indian Institute of Technology Kharagpur, Orissa

The latitudinal and longitudinal pattern of plant richness of India - The maiden trend and early indications

BP Mishra, Mizoram University, Aizawl, Mizoram

How sandstone quarry impacting diversity-distribution of plants and natural regeneration in the sub-tropical forest of Mizoram, north east India: Formulation of management strategies for biodiversity

		<i>conservation on sustained basis</i>
		Sanjeev Kumar , Regional Chief Conservator of Forests, Hazaribagh, Jharkhand <i>A study on status of biodiversity, associated traditional knowledge for its conservation and role in sustainable livelihood in india</i>
Oral Presentations		Debapriya Roy , St. Xavier's College (Autonomous), Kolkata <i>In-vitro synergistic interaction between algae and bacteria collected from a biodiversity hotspot</i>
		GB Kale , G.S. Science, Arts and Commerce College, Khamgaon, Buldana, <i>Study of ant diversity in various ecosystems in Dnyanganga Wild Life Sanctuary in Maharashtra, India</i>
		Kamal Kant Joshi , Graphic Era Hill University, Dehradun, Uttarakhand <i>Avian species diversity and relationship with vegetation structure along the elevational zone in Doon valley of Uttarakhand, India</i>
		Md. Riyajuddin Khan , Lilong Haoreibi College, Lilong, Manipur <i>Species composition and nutritional status of some important plant species in the grassland vegetation of Khongjom, Thoubal District, Manipur, North East India</i>
		Mohammed Yaseen , Central Academy, Chittorgarh, Rajasthan <i>Population composition of Sarus Crane (<i>Grus antigone antigone</i>) in Chittorgarh district, South Rajasthan</i>
		Parmesh Kumar , Kurukshetra University, Haryana <i>Status and diversity of Avifauna in urban landscape of Panchkula at the Foothills of Shivalik Range of the Himalayas</i>
		Prasanjit Mukherjee , KKM College, Pakur, Jharkhand <i>Aquatic angiospermic biodiversity in Jharkhand with special references to their economic importance</i>
14.00 – 17:30		
Symposium II: Science and Technology for Improving Environmental Sustainability		
Venue		Block 34, Room -107
Invited Lectures		M.G Tiwari , A.S. College, Deoghar, Jharkhand <i>Comparative studies of some freshwater lakes of India with special reference to mirror lake and the great salt lake of Utah (U.S.A)</i>
		Swati Gupta Bhattacharya , Bose Institute, Kolkata, West Bengal

		<i>Pollen allergy and allergen biology in India</i>
		Smita Chaudhry , Kurukshetra University, Kurukshetra <i>Environmental sustainability of ecosystem services of soil carbon</i>
		Sudip Mitra , Indian Institute of Technology Guwahati, Assam <i>Environmental impact study of copper, manganese and zinc in landfill soils near Deepor Beel, a Ramsar wetland site in Guwahati, India</i>
		Arup Kumar Mitra , St. Xavier's College (Autonomous), Kolkata <i>Multifaceted role of PGPR in reducing pollution and augmenting plant productivity</i>
		Pankaj Tewari , Central Himalayan Environment Association, Nainital, Uttarakhand, <i>Livelihood promotion in nearby villages of timberline, applying science and technological interventions: an initiative for conservation and management through community participation in Uttarakhand</i>
		Harendra K. Sharma , Jiwaji University Gwalior, M.P. India <i>Relevance of nanocellulose as adsorbent in removal of heavy metals from aqueous medium</i>
		P Raja , ICAR-Indian Institute of Soil and Water Conservation, Research Centre, Udhamandalam (Ooty), Tamil Nadu <i>Biochar application for reduction of carbon dioxide emission in acid soils of temperate mountainous ecosystem of Western Ghats, India</i>
Oral Presentations		Akula Kishan , Andhra Pradesh Forest Department, Guntur, Andhra Pradesh <i>River management in India- Review of efforts</i>
		Amar Nath Chaudhary , R. M. College, Saharsa, Bihar <i>Caffeine distribution between selected water-organic solvent media</i>
		K. Sravan Kumar , Institute of Petroleum Safety, Health and Environment Management, ONGC, Goa <i>Determination of PHC contamination in marine sediments of exploratory block, KG-OSN-2009/2 in bay of Bengal</i>
		K. K. Kamani Government Science College, P.G. Center, Chitradurga, Karnataka <i>Global warming and emerging trends in climate change</i>

	<p>Mahua Das, The Bhawanipur Education Society College, West Bengal, Kolkata</p> <p><i>Bio-chemical degradation of the Bengal offshore environment by commercial trawl fishing</i></p>
	<p>Md. Nazrul Islam, Jamshedpur Workers' College, JSR</p> <p><i>Why Pyridine based PBI membrane is better than other PBI membranes for PEMFC?</i></p>
	<p>RN Deshmukh, Shri Shivaji Science College, Congress Nagar, Nagpur</p> <p><i>Studies on certain physico-chemical parameters of Nag river of Nagpur city, Maharashtra</i></p>
15.00 – 17.30	<p>Concurrent Poster Session –I (P01 – P75) Venue - Basement Block-34 BEST POSTER AWARD PRESENTATION</p>

06th January 2019

TWO PARALLEL SESSIONS

14.00–17.30

Invited Lectures/Oral Presentations

Venue

Block 34, Room -111

Symposium I :

Biodiversity for the future India

Invited Lectures

Asha Gupta, Manipur University, Canchipur, Imphal

Structural and functional aspects of Sacred groves of Manipur- In-situ centres of biodiversity conservation

Mousumi Poddar Sarkar, University of Calcutta, Kolkata

Chemical communication in Big Cats: An unattended domain of Wild Life research in India.

N. R. Bhat, Kuwait Institute for Scientific Research, Kuwait

Ecological significance of inter-population variability in germination behavior in seed -based restoration of desert ecosystems

Nimai Chandra Barui, Bethune College, Kolkata

Traditional knowledge in biodiversity- A source of natural resource management and bioprospecting

Rajasekaran Chandrasekaran, Vellore Institute of Technology, Tamilnadu

Scopes and challenges in conservation of biodiversity of medicinal and aromatic plants: A case study of Indian context

Sanjay Gairola, Sharjah Research Academy, Sharjah, UAE

Seed conservation through ex situ seed bank collection: saving the native gene pool for the future

Suresh Chand, Devi Ahilya Vishwavidyalaya, Indore

Biodiversity conservation through biotechnological approaches

Aijaz A. Wani, University of Kashmir, Srinagar, India.

*Creating germplasm resources for genetic improvement of apple (*Malus × domestica* borkh) in Jammu and Kashmir state – conservation and breeding approaches*

Oral Presentations

Shevita Pandita, University of Jammu, Jammu

Spatial classification and distribution of herbaceous species on forest-grassland ecotones in Bhaderwah forests, Jammu and Kashmir

		Anamika Sarkar , Mangaldai College, Assam <i>Growth of medicinal plants in self watering pot with different fibres by observing their capillary action</i>
		Sahabuddin Ahmed , Mangaldai College, Assam <i>Carbon sequestration by aquatic macrophytes in wetlands of lower Assam</i>
		Hemant K. Gupta , Himachal Pradesh Forest Department, Shimla, HP <i>Biodiversity conservation and management and access and benefit sharing (ABS) mechanism under the Indian Biological Diversity Act, 2002</i>
		Minakshi Patra , Moran College, Assam <i>Rearing performances of Muga Silkworm (<i>Antheraea assama</i>, Westwood) and sustainable development in Assam with special reference to Sivasagar district</i>
		Rajesh Joshi , G.B. Pant National Institute of Himalayan Environment and Sustainable Development, Almora, Uttarakhand <i>Sensitivity of coniferous tree species to climate change in Western Himalaya</i>
		Tarun Belwal , Zhejiang University, Hangzhou, China <i>Integrated use of advanced extraction technique and optimization strategy for extracting valuable bioactive compounds: an effective approach for biodiversity conservation and sustainable utilization of medicinal plants</i>
		P Das , Centre for Oceans, Rivers, Atmosphere and Land Sciences (CORAL), Indian Institute of Technology Kharagpur, India <i>Can Indian forest cover withstand large climatic alterations?</i>

14.00 – 17:30

**Symposium II:
Science and Technology for Improving Environmental Sustainability
Block 34, Room -107**

Invited Lecture		Paromita Chakraborty , SRM University, Tamil Nadu <i>Crude electronic waste recycling is a potential source for persistent toxicants in India: Atmospheric transport models and human health risk assessment</i>
		BH Shrikanth , Sciencia Industrial Project Consultants & Sciencia Renewable Energy Consultants, Pune

		<i>Ethanol: An eco-friendly green chemical industry for renewable sustainable auto fuel</i>
		Ram Chandra , School for Biomedical and Pharmaceutical Sciences, Lucknow <i>Heavy metals phytoextraction potential of native plants and their histological observation growing on stabilized distillery sludge: A prospective tool for in-situ phytoremediation of hazardous industrial waste</i>
		Ramakrishna A. , Defense Food Research Laboratory, DRDO, Siddarthanagar, Mysuru <i>Development of eco-friendly packaging material for agricultural produces</i>
		G. Panduranga Murthy , Maharaja Institute of Technology, Thandavapura, Mysuru <i>Switchgrass-An ideal biofuel foodstock accessible in Karnataka and Jharkhand states (India) for bio-ethanol production: A cleaner and eco-friendly technology for bioenergy promotion</i>
		Tanu Jindal , Amity University, Noida, Uttar Pradesh <i>Environment toxicological studies for sustainable development</i>
Oral Presentations		R. Dhankhar , Maharshi Dayanand University, Rohtak, Haryana <i>Performance evaluation and comparative study of dairy wastewater</i>
		D. Rama Rao , P.R. Govt. College (A) Kakinada, Andhra Pradesh <i>Assessment of physicochemical and microbial analysis of agro based industry effluent and evaluate ground waters to evaluate the impacts of effluent on ground waters</i>
		Rakesh Mohan R. N. College, Hajipur, Bihar <i>Analysis of the iron concentration in the Handpump (tubewell) water of the selected areas of district Ranchi at Jharkhand, India</i>
		Sunita Rani , Guru Kashi University, Bathinda, Punjab <i>Studies on the physico-chemical characteristics and heavy metal contents in drinking groundwater of Moga (Punjab)</i>
		Mamta Arora , A.S.B.A.S.J.S. Memorial College, Bela, Punjab <i>To assess water quality of Rupnagar district</i>
		Ratna Katiyar , University of Lucknow, Lucknow

		<i>Indoor air pollution: An environmental risk</i>
		Shweta Choubey , Government Engineering College Raipur, Chhattisgarh <i>The curative effects of an edible plant fruit biomass in biosorptive removal of Arsenic</i>
		Talluri Rameshwari K R , JSS Academy of Higher Education and Research, Mysuru, Karnataka <i>Estimating the Global & India burden of extra pulmonary tuberculosis incidence, using GIS-spatial auto correlation technique</i>
		Amita Shakya , National Institute of Food Technology Entrepreneurship and Management, Haryana <i>Adsorption of hexavalent Chromium onto poultry litter biochars</i>
15.00 – 17.30		
Concurrent Poster Session –II (P76 – P151)		
Venue – Basement, Block-34		
07th January 2019		
14:00 – 15:00		
Venue		Block 34, Room -111
Symposium II:		
Science and Technology for Improving Environmental Sustainability		
Oral Presentations		Arighnee Mitra , St. Xavier's College (Autonomous), Kolkata <i>Formulation of a bio-organic growth promoter and it's high yielding effectivity in agriculture</i>
		Asish Prasad Kundu , Dr. B.R. Ambedkar Institute of Panchayat and Rural Development, Nadia, UP <i>Essential of energy recovery from household organic waste: Necessity for green environment</i>
		Bhawana Pathak , School of Environment and Sustainable Development, Central University of Gujarat, Gandhinagar, 382030, Gujarat <i>Bioremediation for waste management: sustainable approach for technology transfer from lab to land</i>
		Kavita Sharma , Shri Vaishnav Institute of Science, SVVV Indore, MP

		<i>Removal of dyes from textile industrial waste water using Sugarcane Bagasse</i>
		M.S Dhanya , Central University of Punjab, Bathinda, Punjab <i>Bioplastics from organic wastes for sustainable environment</i>
		Rajesh Kumar Singh , Jagdam College, J P University, Chapra, Bihar <i>Corrosion of protection of automobile by composite barrier formed by Nanocoating and Electro spray substances in corrosive atmosphere</i>
		HP Shivaraju , JSS Academy of Higher Education and Research, Mysore, Karnataka, India <i>Carbon recovery potential and intensification of Methane yield under Biomethanation conditions using photocatalytic processes</i>
		Sumanta Kumar Roymohapatra , Anchalika Mahavidyalaya, Siminai, Dhenkanal, Odisha <i>Molecular response of Cyanobacterium to sustainable development</i>
		Sudipta Ramola , College of Chemical Engineering, Zhejiang University of Technology, China <i>Valorization and integrated use of different agro-waste for environmental and agronomic sustainability</i>
GENERAL DISCUSSION AND RECOMMENDATIONS		