

7. ENVIRONMENTAL SCIENCES

January 04, 2020

Sectional President	Dr. Ranbeer Singh Rawal , Director, G.B. Pant National Institute of Himalayan Environment and Sustainable Development, Kosi-Katarmal, Almora
Sectional Secretary	Dr. K.T. Prasanna , Professor & University Head, Dept. of Forestry and Environmental Science, College of Agriculture, UAS, GKVK Bangalore
Sectional Recorder	Dr. Priyanka Priyadarshani , Assistant Professor, ICFAI University Jharkhand, Jharkhand
02:00 – 06:00 PM	
Venue	Cluster III – College of Agriculture, North Block : Hall 23
Presidential Address	Ranbeer Singh Rawal Director, G.B. Pant National Institute of Himalayan Environment and Sustainable Development, Kosi-Katarmal, Almora - 263643
Platinum Jubilee Lecture	Hitendra Padalia Head, Forestry and Ecology Department, Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun <i>New Generation Satellite Remote Sensing Techniques for Vegetation Science</i>
Keynote address	Rattan Lal Carbon Management and Sequestration Center, The Ohio State University, Columbus, OH 43210 USA <i>Advancing sustainable development goals by restoring soil health of India's agroecosystems</i>
Young Scientist Award Presentations	Writuparna Dutta Presidency University, Department of Life Sciences, 86/1, College Street, Kolkata – 700 073.
SECTIONAL COMMITTEE ELECTION	

January 05, 2020

Environmental Sciences-I	
Symposium I	
Balancing environmental conservation and sustainable development in India	
02:00-06:00 PM	
Venue	: Cluster III-College of Agriculture, North Block: Hall 23
Invited Lectures	: Amar P. Garg, SIE&T Meerut

		<i>Eco-friendly technology, the need of industry for sustainable development</i>
		P. M. Natarajan , EF&P Control Board Chennai <i>Climate change threat on Indian water resources</i>
		MD Behera , IIT Kharagpur <i>How potent satellite remote sensing in monitoring plant diversity?</i>
		Bhawana Pathak , CUG Gandhinagar <i>Bioremediation technology for agricultural contaminants: A sustainable approach for rural ecosystem</i>
		Swati Gupta Bhattacharya , Bose Institute Kolkata <i>Identification, purification and characterization of allergens for immunotherapeutic use</i>
		Amit Pande , ICAR-DCFR, Bhimtal, Nainital <i>Towards novel diagnostic tools for viral diagnosis</i>
		Jyotsna S. Meshram , RTM Nagpur University, Nagpur <i>Zeotype matrix composites</i>
		G.C.S. Negi , GBPNIHESD Kosi-Katarmal, Almora <i>Balancing forest conservation and sustainable development in the Western Himalayan Region</i>
		Srabanti Basu , HIT Anandapur, Kolkata <i>Technology development for removal of mercury (II) from industrial effluent</i>
Oral Presentation		Poonam Singh Jakhar , REEA Jodhpur, Rajasthan <i>Cassia angustifolia: an economic importance with special references to Thar desert</i>
		Ranjit Singh , Sri Shankar College, Sasaram, Rohtas, Bihar <i>New approaches to water projects in India</i>
		Ranjeet Singh , Pt. Chiranjilal Sharma Govt. College, Karnal <i>A Review of Plant Biodiversity in various regions of India</i>
		Stutee Gupta , NRSC Balanagar, Hyderabad <i>Assessing spatial relationships of VPs vis-à-vis forest fires using exploratory spatial data analysis</i>
		A. G. Matani , GCE Amravati <i>Methanol blending as a renewable fuel in automotive industries towards minimizing vehicular air pollution: Challenges and opportunities in Indian automobile industries</i>
		Ashok Kumar Jha , T. M. Bhagalpur University, Bhagalpur <i>Removal of Chromium from aqueous medium by Bentonites</i>
		Ashish Kumar , Agra College, Agra <i>An Assessment of water quality for drinking purpose in Agra city India</i>
		B. Santhaveerana Goud , Bangalore University, Bangalore <i>Adsorption of hexavalent chromium using calcinated eggshell</i>
BEST POSTER AWARD PRESENTATION Concurrent Poster Session –I (P01 – P85)		

January 05, 2020

Symposium II

Promoting Environmental Consciousness in developing India

02:00-06:00 PM

Venue	Cluster III-College of Agriculture, North Block: Hall 24
Invited Lectures	Kashinath Bhattacharya , Visva-Bharati Santiniketan, W. Bengal <i>Conservation of forest biodiversity in ancient Indian culture</i>
	R. Suseela Reddy , Jackson State University, USA <i>Studies in environmental sciences: variability of all India summer monsoon rainfall, climate change, global warming and environmental effects</i>
	B. P. Mishra , Mizoram University, Aizawl, Mizoram <i>Effects of anthropogenic disturbances on diversity-distribution of woody plants in Reiek forest, Mizoram, India</i>
	P. Nammalwar , Anna University, Tamil Nadu, India <i>Natural disasters and strategies for management in India - a review</i>
	J. C. Kuniyal , GBPNIHESD Kosi-Katarmal, Almora <i>Aerosols, radiative forcing and temperature rise in the northwestern Indian Himalaya</i>
	P. Raja , ICAR-IISWC Ooty <i>Carbon di oxide (CO₂) fluxes from the temperate mountainous ecosystem of Nilgiris and their implications on global warming</i>
	Subrat Sharma , GBPNIHESD Kosi-Katarmal, Almora <i>Forest fire in the Indian central Himalaya: indicators and citizen science</i>
Oral presentations	B. K. Das , ICAR-CIFRI Kolkata <i>Health assessment of river Ganga through estimation of oxygen saturation level in water</i>
	P.S. Chandrashekharaiiah , RK. University, Rajkot, Gujarat <i>Chlorophyll fluorescence measurement: a biological indicator of heavy metal toxicity in algae</i>
	D. Rama Rao , P.R. Govt college (A) Kakinada, AP, India <i>Assessment of hydro chemical changes and study of underground contamination of various locations of water sources in Kakinada old city east Godavari dt - AP, India</i>
	S.V. Dhanwate , Swami Muktanand College of Science Yeola <i>Manmad towns belonging in Maharashtra state during Normal days</i>
	Gajendra Singh , USAC Dehradun <i>Extent, abundance, threats and information gap on alpine medicinal and aromatic plants of western Himalaya, India: a review</i>
	G.B. Kale , G.S. Science, Arts and Commerce College, Khamgaon <i>Impact of highway development on tree cutting and biodiversity of Khamgaon area in Maharashtra</i>
	Hemanta Meher , Sambalpur University, Odisha <i>Physico-chemical characteristics of taladanda canal water in an around paradeep area, Odisha, India</i>
	Harshada Joshi , Mohanlal Sukhadia University, Rajasthan <i>Calcite solubilizing activity of exiguobacterium aquaticum cs6 isolated from marble slurry dumped in sukher, Udaipur, Rajasthan, India</i>
	Pankaj Tewari , Aarohi, Satoli, Nainital <i>Value chain promotion of chyura (Diploknema butyracea) for sustainable development in mountains: an opportunity for marginal farmers of Uttarakhand</i>

		<i>for sustaining livelihoods</i>
		Rajesh Joshi , GBPNIHESD, Sikkim Regional Centre, Pangthang <i>Integrated springshed management approach: linking science, policy, and practice for building environmental consciousness & water sustainability in Himalaya</i>
BEST POSTER AWARD PRESENTATION Concurrent Poster Session –I (P01 – P85)		

January 06, 2020

Invited Lectures/Oral Presentations

02:00 - 06:00 PM

Venue	Cluster III - College of Agriculture, North Block : Hall 23
Keynote Address	Yu Mingjian , College of Life Sciences, Zhejiang University <i>Community assembly of subtropical forests and its response to disturbances in eastern China</i>

TWO PARALLEL SESSIONS

Symposium I Balancing Environmental Conservation and Sustainable Development in India

Invited Lectures	M.G. Tewari , Deoghar <i>Loktak lake, a wetland of International importance - perspectives for conservation and management</i>
	R.C. Sundriyal , GBPNIHESD Kosi-Katarmal, Almora <i>Community forest management and livelihood in the Indian Himalaya: A case study from Uttarakhand</i>
	Asha Gupta , Manipur University, Imphal <i>Grasslands of national park, Manipur-threats and challenges of a floating wildlife habitat</i>
	Uma Melkania , GBPUA&T, Pantnagar <i>Regeneration status of protected and disturbed forests of Ranikhet, Uttarakhand (Kumaun Himalayas)</i>
	Sanjeev Kumar , RCCF Jharkhand <i>Sustainable forest management for biodiversity conservation and sustained livelihood option for rural people of Jharkhand</i>
	Y. Naidoo , University of KwaZulu-Natal, Durban, South Africa <i>Chemical composition of the essential oil from the leaves of <i>Endostemon obtusifolius</i> (E.Mey. ex Benth.) N.E.Br.</i>
	S. K. Uniyal , CSIR-IHBT Palampur <i>Communities for conservation: let the water flow</i>
	Sunil Nautiyal , ISEC Bangalore <i>Exploring prospect for delineation of field margin vegetation using RS and GIS</i>
	I.D. Bhatt , GBPNIHESD, Kosi-Katarmal Almora <i>Cultivation of medicinal plants in Chaudas valley: Linking with rural livelihood</i>
Oral presentation	Saroj Kumar , Babasaheb Bhimrao Ambedkar University, Lucknow <i>Seasonal variation among extracellular enzymatic activity (EEA) and their influence on the performance of Surface - flow Constructed Wetland Microcosm (CWM)</i>
	Karobi Bhuyan Saikia , Cotton University Assam <i>Conserving aquatic insects and its sustainable development: a perspective from its edible properties</i>
	Kaveri Shukla , CSJM University- Kanpur <i>Impact of copper sulphate on fresh water fish</i>
	Meghna Talukdar , St Xavier's College (Autonomous), Kolkata <i>Microbial load of ambient air vis-a-vis meteorological parameters in urban condition</i>
	Nabajyoti Doley , Mangaldai College Assam <i>Implementation of improved cultivation and advance retting exercise for jute -ICARE in Assam as pilot project: special reference to kharupetia D.P.C. in the year 2017-2018</i>

	Prasanjit Mukherjee , KKM College, Pakur <i>Study on conservation of Victoria lake and its aquatic biodiversity: A case study of Lohardaga, Jharkhand</i>
	Radhashyam Muduli , NTPC Ltd. Odisha <i>Global warming and climate change</i>
	Sampurna Nand , CSIR-NBRI Lucknow <i>Arsenic (As III & As V) removal from water using biochar derived from sewage sludge</i>

January 06, 2020

Symposium II Promoting Environmental Consciousness in developing India

02:00 – 06:00 PM

Venue	Cluster III - College of Agriculture, North Block : Hall 24
Invited Lectures	Anupam Dikshit , University of Allahabad, Prayagraj <i>Management of environment through recycling of waste paper and plant fibres in handmade paper creating employment for rural people</i>
	Surendra Singh Bargali , Kumaun University Nainital <i>Microbial biomass phosphorus under different land use systems of Central Himalaya</i>
	Harminder Singh , LPU Punjab <i>Removal of Lead (II) ions using biopolymer-magnetic spinel ferrite composite</i>
	Harendra K. Sharma , Jiwaji University, Gwalior <i>A study on photocatalytic degradation of some specific dyes by using nanometalchalcogenides</i>
	G. Panduranga Murthy , MIT Mysuru <i>Algae: a potential natural feedstock for sustainable, renewable, eco-friendly and techno-economical bio-fuel for future- a case study</i>
	S. Lalitha Nagesvari , Fulbright Commission in India <i>Fulbright-Nehru Fellowship Opportunities in the U.S.</i>
Oral presentation	Atul Kumar Agarwal , CSIR-CBRI Roorkee <i>Environment-friendly rural housing technologies by CSIR-CBRI, Roorkee for development of rural India</i>
	Md. Nazrul Islam , Jawahar Lal Nehru College, Chakradharpur <i>Physico-chemical advantages of pyridine based polybenzimidazole membrane for polymer electrolyte membrane fuel cell</i>
	Arup Mitra , St. Xavier's College, Kolkata <i>Suitability of industrial sugarcane bagasse waste on production of oyster mushrooms</i>
	Nimai Chandra Barui , Bethune College, Bidhan Sarani, Kolkata <i>Diversity of mangrove plants in relation to palaeoenvironment during Holocene Period in Bengal Basin, India</i>
	Ramasamy Venkitachalam , Kongunadu Arts and Science College (Autonomous), Coimbatore <i>Prey preference by critically endangered vulture species in Moyar Valley, Tamil Nadu</i>
	Ranjan Kumar Manna , ICAR-CIFRI Barrackpore, Kolkata <i>Planktonic bloom of Aulacoseria granulata in lower and estuarine stretch of river Ganga in relation to hydrological characteristics</i>

Concurrent Poster Session – II (P86 – P173)

January 07, 2020

02:00 – 03:00 PM

Symposium I Balancing Environmental Conservation and Sustainable Development in India

Venue	Cluster III – College of Agriculture, North Block : Hall 23
Oral Presentations	Prashant K Srivastava , Banaras Hindu University, Varanasi <i>Genetic algorithm combined with least trimmed square regression for estimation of leaf chlorophyll content using hyperspectral radiometer data</i>
	Kangkan Medhi , Mangaldai College, Darrang, Assam <i>Identification and characterization of natural dyes from <i>Jatropha curcas</i>, <i>terminalia chebula</i>, <i>camellia sinensis</i> and <i>musa paradisiacal</i> of Darrang district, Assam</i>
	Kavita Sharma , Shri Vaishnav Institute of Forensic Science Indore <i>Spectrophotometric analysis of poorly water soluble drugs: an eco-friendly pharmaceutical application of hydrotropic solubilization technique</i>
	Meenu Verma , Kolhan University Chaibasa <i>Impure aqua and environment</i>
	Rakesh Mohan , R N. College, Hajipur) <i>Study of the awareness about AIDS/HIV among the students of R. N. College Hajipur Bihar</i>
	U. Surendran , CWRDM Kozhikode <i>sustenance of healthy soil environment in humid tropical Kerala through nutrient budgeting using NUTMON –Model</i>
	Shyam. S. Salim , CMFRI Kochi <i>Coastal vulnerability assessment, adaptation and mitigation opportunities across climate hotspots in Kerala, India</i>
	Sneha Unnikrishnan , BSARCI ST Chennai <i>Efficacy of marine isolate acinetobacter baumannii in textile dye degradation</i>
	Parmesh Kumar , IIHS, Kurukshetra University, Kurukshetra <i>Diversity and seasonal variation of wetland birds in sacred wetlands of Kurukshetra, India</i>

January 07, 2020

02:00 – 03:00 PM

Symposium II Promoting Environmental Consciousness in developing Ind

Venue	Cluster III – College of Agriculture, North Block : Hall 24
Oral Presentations	S. Chhikara, Maharshi Dayanand University, Rohtak Bioadsorptive removal of Cr(VI) by immobilized fungal biosorbent in aqueous phase
	Manju Sundriyal, USERC Dehradun Livelihood Enhancement for Mountain Rural Women Farmers through Value Chain Promotion of Selected Crops (Basil, Rosemary and Chamomile) in Uttarakhand
	U. Surendran, CWRDM Kozhikode Sustenance of healthy soil environment in humid tropical Kerala through nutrient budgeting using NUTMON-model
	S. N. Pandey, University of Lucknow Lucknow Antioxidative responses of mustard grown in zinc- contaminated soil with the application of chelants
	Pragnya. S. Hangaragi, SSCAS&RH Bangalore Planning for devastating rivers flood control to maintain the environmental balance for sustainable development: a case study of Karnataka state
	S. R. Ratkalle, SGVPCCE Khiroda Environmental issues and challenges
	Shree Ganesh, Bundelkhand University Campus Jhansi Status of air quality in and around stone crusher at Jhansi Town, U.P. India
	Sachendra Kumar Tripathi, P. G. College, Kanpur Pinnacles of river Ganga and their implications in Ganga water pollution
	J. Sornapriya, Kongu Nadu Arts and Science College Coimbatore Bio diversity of insects and behavioral study in periyanaickenpalayam village, Coimbatore district, Tamilnadu, india
	M. Jaya Kumar Jacob, ASIST Paritala Agro-ecosystems sustainability in India by adopting the eco-consciousness of agricultural farming practices of Israeli irrigation
	Nimisha Jadon, SSEC, Jiwaji University, Gwalior Electrochemical Sensors for Trace Determination of Pollutants
General Discussion and Recommendations	