

India Biodiversity Meet 2019

List of selected participants for oral presentation

A. Theme: **Biodiversity and ecosystem functioning**

Name	Affiliation	Paper title
Anjan Hazra	Indian Statistical Institute, Kolkata	Insight to the origin trajectory and wild relations of Indian tea through coding and non-coding markers
Anumitra Phukon	Wildlife Institute of India	Current Status of Endangered River Dolphin <i>Platanista gangetica gangetica</i> in Subansiri, the Largest Tributary of Upper Brahmaputra Basin
Arnab Banerjee	Jadavpur University	Predicting Community Distribution Patterns – A Case Study from Bakreswar Reservoir, India
Barnini Bhattacharya	Indian Statistical Institute, Kolkata and University of Calcutta	Zebrafish as a Promising Bioindicator of Water Quality: A Review Study
Bungdon Shangningam	Zoological Survey of India	First report of <i>Psilorhynchus brachyrhynchus</i> Conway & Britz, 2010 from India with a note on fish diversity of the Bulledam stream, Manipur, India
Dailiah Roopha	The American College	Avifaunal Diversity in Kiluvamalai, Madurai, Tamil Nadu
Divya Soman	Kerala Forest Research Institute	Economic valuation of biodiversity conservation in a protected area: the case study of parambikulam tiger reserve, India
Harshini Yadvendradev Jhala	Wildlife Institute of India	Assessing the potential and feasibility of reintroducing two Grassland Megaherbivores, the Greater One-horned Rhinoceros and the Swamp Buffalo in their historic Global range.
Joseph Thatheyus	The American College	Diversity of butterflies in Kiluvamalai, Madurai, Tamil Nadu
Madhumita Roy	BKC College	Is Detritus Based Ecosystems are More Resilient? A Case Study.
Martin Babu	St Berchmans College	Pollination in <i>Couroupita guianensis</i> (Aublet, 1775); A Curious case of Buzzing
Moitreyee Chakrabarty	Durgapur Government College	Assessing Spatio-Temporal Variations in Butterfly-Plant Associations in the Semi-Urban Landscape of Chittaranjan, Paschim Bardhaman, West Bengal
Nabyendu Rakshit	Visva-Bharati University	Clustering species-groups based on keystone indices – a possible framework for prioritizing species' relative importance in trophic networks
Neera Sen Sarkar	University of Kalyani	A Comparative Study of Epiphytic Algal Associations in Sub-tropical Forest and Estuarine Mangrove Forest
Parul Gurjar	Barkatullah University	Study on the Bioassessment protocol and metrics by using physical habitat condition and fish assemblage of Central Indian River Sip
Pinaki Acharyya	University of Calcutta	Diversity analysis in teale gourd (<i>Momordica subangulata</i> ssp. <i>Renigera</i> (G.Don) W.J. De Wilde) assessments from West Bengal
Rajesh Kumar Singh	Banaras Hindu University	Dynamics of mitigation of algae through budget allocation and effect of time delay
Rajesh M	The American college	A Study on Diversity of Birds in Puthuthamaraipatty, Madurai

Rajesh Shan	Barkatullah University	A study on Breeding Success of Indian Sarus crane in Central India.
Rana Datta	Department of Forest, Government of West Bengal	A Comparative Study of Epiphytic Algal Associations in Sub-tropical Forest and Estuarine Mangrove Forest
Rumeet Kour Raina	Barkatullah University	Analysis of Macroinvertebrate Functional feeding groups of River Sip, in Central India
Sagar Adhurya	Visva-Bharati University	Simulating guano-trophy by aquatic avifauna on phosphorous dynamics of a shallow freshwater lake
Sayani Kundu	Visva-Bharati University	Rationale of the most favourable level of salinity for <i>Artemia</i> sp. Culture, revisited: A simple, ex-situ experiment and a model based study
Shamik Dey	Bidhan Chandra Krishi Viswavidyalaya	Impact of tillage on soil mesofauna in two cropping systems under gangetic basin of West Bengal
Sipu Kumar	Wildlife Institute of India	Assessing bird community structure and composition in natural and managed forest of forest research institute, Dehradun
Somenath Dey	Government General Degree College, Purulia	Insect pest control with the biological agents
Sunanda Sahoo	Sambalpur University	Fish diversity and water quality of major wetlands in Attabira block of Bargarh district, Odisha, India
Swagata Sinha	Visva-Bharati University	Importance of Microphytobenthos in Regulation of Benthic and Pelagic Food Chain Threshold Dynamics of Shallow Marine System
Tapajit Bhattacharya	Durgapur Government College	Occupancy Based Resource Utilization at Coarse Scale: A Case Study on Mountain Ungulates in Khangchendzonga Biosphere Reserve, Sikkim
Utpal Singha Roy	P. R. Thakur Government College	Colonization Dynamics of Rotifers on Artificial Substratum (Polyurethane Foam Units) from a Large Perennial Opencast Pit Lake
Vipin Vyas	Barkatullah University	Conservation of riverine ecosystems with special reference to central Narmada riverscape
Wrick Chakraborty	Sister Nibedita Government General Degree College for Girls	Insights into the rhizosphere associated microbial community of <i>Heritiera fomes</i> buch. Ham. From the Indian Sunderbans using metagenomics

B. Theme: **Biodiversity and ecosystem functioning**

Name	Affiliation	Paper title
Ipsita Saha	Jadavpur University	Critical Success Factors in ERP Implementation in Financial Service Sector of India: an integrative model
Sankar Karan	Institute of Radiophysics and Electronics, C.U.	A New Look To India's Import-Export Structure And Opportunity For Collaborative Research
Sarlongjon Teron	Aaranyak	Community driven "Biodiversity business" Concept of ' PIRBI Initiatives ' and experiential learning from Kohora river basin, Karbi Anglong, Assam

C. Theme: **Climate change impact assessment**

Name	Affiliation	Paper title
Abinash Mansingh	Sambalpur University	Land Use and Land Cover Changes in Jharsuguda: A Highly Industrial District of Odisha
Ajishnu Roy	Presidency University	Analysis Of Land And Water Gap In Agriculture From Consumption In India: Past, Present And Future
Anjali Jha	Banaras Hindu University, Varanasi	Modelling the effect of population pressure on the dynamics of carbon dioxide gas
Arunodaya Gautam	University of Calcutta	Metal induced cellular stress in earthworm of contaminated soil of Kolkata leather complex
Athul S	Kerala University of Fisheries and Ocean Studies	Studies on the genetic diversity assessment of <i>Sardinella longiceps valenciennes</i> , 1847 of Tamil Nadu and Kerala coast employing rapid technique
Gour Gopal Satpati	Bangabasi Evening College, University of Calcutta	Sustainable development of green algae for biodiesel production and CO ₂ mitigation
Jyoti Maurya	Banaras Hindu University, Varanasi	Modeling the role of health facilities to control the infectious diseases
Nayan Kishor Adhikary	University Of Calcutta	Influence of Climate Change on Foliar Diseases of Sesame (<i>Sesamum indicum</i> L.) in Coastal Bengal
Purba Goswami	BCKV	Centennial scale rainfall change along with associated with low and high frequencies extreme rainfall events over 23 districts of West Bengal
Tanmoy Nandy	Presidency University, Kolkata	Does Elevated Temperature Disrupt the Physiological Performances of Post Larvae of <i>Penaeus monodon</i> ? An Implication to Climate Change

D. Theme: **Mathematical and statistical ecology**

Name	Affiliation	Paper title
Amita Tripathi	Banaras Hindu University Varanasi	An optimal control model for cloud seeding in deterministic and stochastic environment
Anal Chatterjee	Barrackpore Rastraguru Surendranath College	Interspecies competition between phytoplankton and zooplankton in marine ecosystem
Deepak K. Routray	Ispat Autonomous College, Rourkela	Understanding demography and population of Odisha tribes
Farhana Yeasmin	University of Burdwan	A Goodness-of-Fit Test of Growth Curve based on an Extended Relative Growth
Joydeb Bhattacharyya	Karimpur Pannadevi College	A multi-species, multi-nutrient plankton modeling tool for the prediction of algal biomass and dissolved oxygen
Md Reduanur Mandal	Siliguri College	Study of a predator-prey harvesting model system with Monod-Haldane functional response
Pankaj Kumar Tiwari	University of Kalyani	The time delays influence on the dynamical complexity of algal blooms in the presence of bacteria
Saumen Karan	Jadavpur University, Kolkata	Modelling of Effusion Parameter in Controlled Release Transport System- A New Paradigm to Targeted Drug Delivery System
Sayak Banerjee	International Institute for Population Sciences	Analysis on overfishing of tuna fish (<i>Thunnini</i>) and its future effects

Selim Reja	Indian Statistical Institute, Kolkata	Understanding the dynamics of Canine distemper virus through a simple SIR model
Sk Golam Mortoja	Vidyasagar University	Does intermediate predator is a key regulator of a tri-trophic food chain model? : An illustration through a new functional response
Sk Shahid Nadim	Indian Statistical Institute, Kolkata, India	Impact of venereal transmission on the dynamics of vertically transmitted viral diseases among mosquitoes
Soham Pattekar	WWF India, University of Kent	Fine-Scale Habitat Use and Detection of Dholes (<i>Cuon alpinus</i>) in Two Protected Areas of Western Ghats, India.
Soumitra Pal	Banaras Hindu University	Dynamical behaviour of constant prey refuge ratio-dependent prey-predator model with allee and fear effects
Tanoy Mukherjee	Zoological Survey of India	Changing Landscape and Habitat Requires Fine Scale Approach for Long Term Viability of Rhino in North Bengal: A Future Road Map

E. Theme: Remote sensing and GIS applications in biodiversity assessment

Name	Affiliation	Paper title
Bankim Baruah	Aaranyak	Application of Remote Sensing and Geographical Information System in Biodiversity Conservation

F. Theme: Sustainable agriculture and natural resource management

Name	Affiliation	Paper title
Anwasha Sarkar	Bidhan Chandra Krishi Viswavidyalaya	Response of Gram (<i>Cicer arietinum</i>) to Jute Agro Textile Mulch for Improving Productivity and Moisture Use Efficiency
Argha Ghosh	Bidhan Chandra Krishi Viswavidyalaya	Assessing the crop scenario in four blocks of Gangetic Alluvial Zone of West Bengal using multi-dated Sentinel-2 data
Chiranjit Singha	Visva-Bharati University	Yield Prediction with NDVI in Geostatistical Environment for Rice and Potato Crops
Debangana Banik	Bidhan Chandra Krishi Viswavidyalaya	Assessing The Effect Of Abiotic Stress On Crop Productivity And Its Management Towards Sustainable Agriculture
Debmalya Banerjee	Jadavpur University, Kolkata, India	Prospective Applications Of Cold Plasma Technology In Sustainable Agriculture
Debolina Sarkar	Bidhan Chandra Krishi Viswavidyalaya	Study on Boro Rice and Wheat Production Scenario of Nadia District of West Bengal Using MODIS Derived NDVI Data
Mousumi Malo	Bidhan Chandra Krishi Viswavidyalaya	Effect of irrigation and nutrient management on yield, quality, nutrient use efficiency and economics of Quality protein maize (<i>Zea mays</i> L.) in new alluvial zone of West Bengal
Rahul Patel	Banaras Hindu University-Varanasi	Modeling the effects of insects and insecticides on agricultural crops with NSFD method
Sanjeev Pandey	Banwarilal Bhalotia College, Asansol	Fungal Decomposers With Complex Dye Degrading And Laccase Activities
Sarathi Saha	Bidhan Chandra Krishi Viswavidyalaya	Assessing the Impact of Meteorological Conditions Governing the Performance of Wheat Grown In Nadia District, West Bengal
Supriya Roy	University of Kalyani	Drying flowers and foliage- a venture towards natural resource management