

Selected abstracts of the 5th Regional Science and Technology Congress - 2022 to be held on 11th and 12th January 2023 at University of Gour Banga, Malda, W.B.

Presenting author's name	Address, affiliation, phone no. & email of the presenting author	Title of the abstract
Kaustav Chakraborty	Assistant Professor (W.B.E.S.), Department of Zoology, S.B.S. Government College, Hili, Dakshin Dinajpur – 733126, Email: kaustavc17@gmail.com	Pulmonary fibrosis is reduced by the ROS scavenger through Nrf2 activation and inhibition of TGF- β /Smad signaling
Arpita Gope	Laboratory of Parasitology, Vector biology & control and Nanotechnology, Department of Zoology, University of Gour Banga, Email: arpitagope92@gmail.com	Role of plant extract in the control of malarial parasites and vectors
Animesh Chowdhury	Molecular Immunology Laboratory, Department of Zoology, University of Gour Banga and Department of Zoology, Malda College, Malda, Email: joy.ani005@gmail.com	Association between CTLA-4 (+49A>G) polymorphism and recurrent spontaneous abortion: A Meta-analysis
Goutam Basak	Department of Zoology, Raiganj University, Raiganj, Uttar Dinajpur, West Bengal, India, 733134, Email: basakgoutam197@gmail.com	Observation on the incidence and abundance of mustard aphid <i>Lipaphis erysimi</i> (Kalt.) in relation to climatic parameters at Kaliyaganj, Uttar Dinajpur, West Bengal
Souren Dutta	Department of Zoology, Rabindra Mahavidyalaya, Champadanga, Hooghly, West Bengal, India, Email: srndutta@yahoo.com	Population dynamics and economic thresholds based ecological management of <i>Nilaparvata lugens</i> (Stal, 1854) (Hemiptera: Delphacidae)
Papi Nandi	Department of Zoology, Raiganj University, Raiganj, West Bengal	Present agricultural concern: The fall armyworm (<i>Spodoptera frugiperda</i>), a major invasive pest of maize crop
Mrinmoyee Sengupta	Department of Zoology, University of Gour Banga, Malda – 732103, West Bengal, Email:	In silico analysis of the regulatory elements of LRP5 gene, a genetic and metabolic switch for Osteoporosis, a bone related disease
Surajit Roy	Laboratory of Microbiology and Experimental Medicine, Department of Zoology, University of Gour Banga, Mokdumpur, Malda 732103, West Bengal, India, Email: surajitmalda@gmail.com	Natural honey mediated green synthesis of silver nanoparticles (SNPs) with broad antibacterial spectrum in the management of multidrug resistant pathogenic bacteria
Santanu Debnath	Dept. of Zoology, Brahmananda Keshab Chandra College, Bon-Hooghly, Kolkata-700108, Email:	Diversity of waterbird population and recent environmental threats in two Ox-bow lakes of southern West Bengal, India

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Pratyush Ghosh	Department of Zoology, Chandernagore College, Chandannagar, Hooghly-712136, West Bengal, India, and Fisheries, Ecotoxicology and Aquaculture Extension Laboratory, Department of Zoology, University of Kalyani, Kalyani-741235, West Bengal, India	Assemblage of freshwater gastropods in a tropical lotic system in West Bengal, India
Shubham Bhattacharyya	Immunopharmacology and Molecular Cell Biology Laboratory, Department of Zoology, University of Gour Banga, Malda – 732103, West Bengal, India. Email: shubham.bhattacharyya@gmail.com	Determination of Reducing Power Activity of Different Solvent Extracts of White Kanchan (<i>Bauhinia acuminata</i>)
Subhro Paul	Immunopharmacology & Molecular Cell Biology Laboratory, Department of Zoology, University of Gour Banga, West Bengal, India, Pin-732103, Email: spsubhro007@gmail.com	Evaluation of iron chelating activity of different solvent extracts of black rice, cultivated in Uttar Dinajpur district, West Bengal
Samir Barai	Immunopharmacology and Molecular Cell Biology Laboratory, Department of Zoology, University of Gour Banga, Malda – 732103, West Bengal, India. Email: samirbarai.jalpesh1987@gmail.com	In vitro anti-diabetic and anti-inflammatory activities of a traditional medicinal plant, <i>Paederia foetida</i> L.
Rajat Sarkar	Molecular Immunology Laboratory, Department of Zoology, University of Gour Banga, Malda-732103, West Bengal, India. Email: sarkar.rajat.xl@gmail.com	Association of rheumatoid factor & anti-CCP antibodies with demographic and clinical characteristics in Rheumatoid arthritis
Jiban Kumar Behera	Department of Zoology, Fakir Mohan University, Vyasa Vihar, Balasore-756089, Odisha, India, Email: beherajibankumar.jb@gmail.com	Regulatory involvement and molecular interaction of miRNAs in Wnt signaling pathway associated with cardiovascular disorders
Anjana Mandal	Laboratory of Microbiology and Experimental Medicine, Department of Zoology, University of Gour Banga, Malda, India, Email: anjanamandalnitu@gmail.com	Neem tree (<i>Azadirachta indica</i> ; Family: Meliaceae): An update on its medicinal values
Pabitra Mishra	Department of Zoology, Fakir Mohan University, Vyasa Vihar, Balasore-756089, Odisha, India, Email: pabitrामishra36@gmail.com	Role of miRNAs in regulation and molecular interaction associated with the biological disorders in exposed to microplastics

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Bhaskar Mahanayak	Associate Professor, Dept. of Zoology, Berhampore Girls' College, Berhampore, Murshidabad, Email: bhaskar.zoology@berhamporegirlscollege.ac.in	Analysis of water quality parameters of selected water bodies of Murshidabad district with respect to their aquacultural productivity
Soumik Agarwal	Department of Zoology, Gour Mahavidyalaya, Malda, West Bengal, Email: soumik.agarwal@gmail.com	Mahanine modulates cell-cycle and apoptosis in prostate cancer cells through hippo signaling pathway
Sayed Sakeb Ali	Immunopharmacology and Molecular Cell Biology Laboratory, Department of Zoology, University of Gour Banga, West Bengal, India, PIN-732103, Email:	Anticholinesterase and NADH Oxidase (NOX) inhibitory activities of multi-solvent extracts of locally cultivated red thumb potato variety
Megha Ghosal	Department of Biotechnology, Techno India University, West Bengal, EM-4, Sector-V, Salt Lake, Kolkata-700091, Email: Ghosalmegha22@gmail.com	The benefits of Non-Steroidal Anti-inflammatory drug (Etodolac) administration and its corresponding effects in epigenetic regulation
Rupjyoti Das	Department of Zoology, Raiganj University, Uttar Dinajpur, West Bengal 733134, Email: rupjyotid3@gmail.com	Regional variation in relative susceptibility of tea mosquito bug, <i>Helopeltis theivora</i> (Walker) (Hemiptera: Miridae) to commonly used insecticides in tea growing areas of North Bengal, India
Debrishi Modak	Department of Zoology, Raiganj University, Raiganj, Uttar Dinajpur, West Bengal, India, Email:	Perforated box trap: a promising tool for monitoring and management of live wood eating termite in tea plantation
Rittick Mondal	Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Raiganj-733134	Synthesis & Characterization of bio-compatible gold nanoparticles (AuNPs) and its impact on mulberry silkworm (<i>Bombyx mori</i> L.) as feed supplementation