

**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	Address & E-mail	Title of abstract
SOUHARDYA RAY	3rd Semester student, MSc Botany, Murshidabad University, West Bengal. souhardyaraymsd@gmail.com	Distribution of ABO Blood Group & Rh-Factor among Students in Berhampore Municipality, Murshidabad, West Bengal, India
SANTANU GUPTA	Department of Botany, Malda College, Malda, West Bengal, India. Email: santanubotanist@gmail.com;	Comparison between the leaf surface topology and micromorphometric characters of two duckweed species of Malda district using Scanning Electron Microscopy.
KIRAN SUNAR	Department of Botany, Balurghat Mahila Mahavidyalaya, Balurghat, D. Dinajpur, WB kiran.sunar@gmail.com	Indigenous Plant Growth Promoting Rhizobacteria of Darjeeling Hills Improve Soil Health and Ameliorate Biotic Stress through Multiple Modes of Action for Sustainable Crop Production
VIVEK ROY	Microbiology and Computational Biology Laboratory, Department of Botany, Raiganj University, Raiganj-733134, West Bengal vivekcoochbehar.roy@gmail.com	Study of arsenic resistance in <i>Serratia marcescens</i> strain isolated from Kulik River and its biosorption potential
GOURI DAS	Department of Botany, Balurghat College, Balurghat, Dakshin Dinajpur 733 101. West Bengal. gdofhld@gmail.com	Spatiotemporal Account of Agarics in Forest Ecosystem
KESHAB DAS	Department of Botany, Balurghat Mahila Mahavidyalaya, Balurghat, D. Dinajpur, West Bengal-733101 .daskeshab195@gmail.com	Altitudinal Variation and Colonization Patterns of Arbuscular Mycorrhizal Fungi Associated With Organically Grown Mandarin Oranges of Sikkim Himalayas

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.

VIVEKANANDA MANDAL	Research Scholar, Plant and Microbial Physiology and Biochemistry Laboratory, Department of Botany, University of Gour Banga, Malda, West Bengal, India. mandalvivek88@gmail.com	Production optimization and enhancement of AMC production in two fermentation conditions from <i>Aspergillus fumigatus</i> PPR-01.
RAJSEKHAR ADHIKARY	Research Scholar, Department of Botany, University of Gour Banga, P.O. – Mokdumpur, Malda – 732103, W.B. radhikary468@gmail.com	Shift of Endophytic Bacterial Community in Mango and Its Hemiparasite Plants during Seasonal Changes
ANAMIKA ROY	Microbiology and Microbial Biotechnology Laboratory, Department of Botany, University of GourBanga, Malda, Pin-732103, West Bengal. anamikaroy.mld@gmail.com	Chemical composition, Antioxidant and Antimicrobial Activities of Pimenta dioica (L.) Essential Oil
ASHUTOSH KUNDU	Research Scholar, Plant and Microbial Physiology and Biochemistry Laboratory, Department of Botany, University of Gour Banga, Malda – 732103, W.B. ashubot93.ak@gmail.com	Arbuscular mycorrhizal symbioses exhibit salt stress tolerance in Sorghum bicolor. (L.) Moench.
GANAPATI BASAK	Reproductive Ecology of Angiosperms Laboratory, Department of Botany, University of Gour Banga, Malda-732103, West Bengal. ganapatibasak@gmail.com	Promoting In-vitro Pollen Germination in Datura metel L. by Using BK Media, PEG and Polyamines (putrescine).

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.

NASRIN BANU KHAN	PhD Research Scholar, Reproductive Ecology of Angiosperm Laboratory Department of Botany, University of Gour Banga , Malda, W.B. nbkbotany2020@gmail.com	Comparative Study Explaining Selffertilization Promoted by Floral Movement of <i>Commelina benghalensis</i> and <i>Commelina diffusa</i>
RITWIK ACHARYA	Department of Sericulture, Raiganj University, Raiganj 733134, West Bengal. rittik.acharya@gmail.com	Analysis of phytochemical composition of leaves of five superior salt tolerant mulberry germplasm grown under coastal saline soils of South 24 Parganas district of West Bengal, India.
MAMUN MANDAL	Laboratory of Applied Stress Biology, Department of Botany, University of Gour Banga, Malda – 732 103, West Bengal. Email: mamun.mandal9933@gmail.com	Mitigation of Ozone Stress in <i>Abelmoschus esculentus</i> (L.) Moench by Plant Growth Promoting Bacteria
ATANU MANNA	Department of Microbiology, Raiganj University, Raiganj- 733134, W.B. Email: atanuaaa@gmail.com	Isolation of Bacteriocinogenic Lactic Acid Bacteria and their Role in Health Drink Preservation
MANISHA SARKAR	Laboratory of Applied Stress Biology, University of Gour Banga, Malda-732103, West Bengal. manisha7370@gmail.com	Cultivar specific response of maize plant against ambient ozone (O ₃) pollution under varying soil nutritional amendments