



BARASAT GOVERNMENT COLLEGE

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TEACHER'S PROFILE

DR SOHINI GUPTA, DEPARTMENT OF BOTANY

➤ DESIGNATION	: SACT-I
➤ QUALIFICATION	: M.Sc., Ph.D.
➤ DATE OF JOINING THE SERVICE	: Aug 1, 2008
➤ DATE OF JOINING THE INSTITUTION	: Aug 1, 2008
➤ ADDRESS FOR COMMUNICATION	: Post Graduate Department of Botany, Barasat Government College, Barasat.
➤ PHONE NO	: XX
➤ EMAIL ADDRESS	: sohini.ganguli.gupta@bgc.ac.in
➤ SPECIALIZATION	: Cell Biology, Molecular Genetics and Plant Biotechnology.
➤ TEACHING EXPERIENCE	: U.G & P.G teaching experience - 13 years; Teaching experience in Netaji Subhash Open University-12 Years.(U.G) Teaching experience in Department of Botany ,Mrinalini Dutta Mahavidyapith- 2 years (U.G)
➤ COLLEGE SERVED	: i) Barasat Government College - (2008-Till date) ii) Mrinalini Dutta Mahavidyapith - (2006-2008)

ACADEMIC AND ADMINISTRATIVE EXPERIENCE	: Examiner- Both U.G and P.G (West Bengal State University) 2008-Till date; Examiner - U.G (University of Calcutta) 2006-2009;
TOPICS TAUGHT	: i)Bio molecules and Cell Biology,ii)Archaeogoniate, iii)Genetics, iv)Molecular Biology,v)Plant breeding vi)Evolutionary biology vii) Reproductive biology viii)Plant biotechnology,ix) Plant anatomy,x)Bio statistics xi)Bioinformatics, xii)Plant ecology and Environmental Biology xiii)Plant Diversity and Human Welfare xiv)Analytical technique in Plant Sciences.
AREA OF RESEARCH & INTEREST	: Key research areas: Structural Bioinformatics, Plant Pathogen interaction,Viral Silencing Suppressors;Non Coding RNA and its prediction,Environmental Pollution.
ONGOING PROJECT DETAILS	: None
AWARD RECEIVED	: None
PATENT DETAILS	: None
EXTRACURRICULAR ACTIVITIES	: Hon. Assistant Secretary and EC member of Barasat Government College Alumni Association Life Member of Social Environment and Biological Association (SEBA)
CAREER PROFILE	: I completed my undergraduate studies from Dinabandhu Andrews College in the year 2004 with honours in Botany, and my Post Graduation in Botany from University of Calcutta in the year 2006. I was awarded my Ph.D. degree from West Bengal State University in the year 2019, for my thesis on Plant Viral Silencing Suppressors. My current research areas of interests are environmental pollution, plant VSR's and genomics.
ACADEMIC LINK	: 1) Google Scholar: https://scholar.google.com/citations?user=5FGKnn4AAAAJ&hl=en&oi=ao; 2) ResearchGate: https://www.researchgate.net/profile/Sohini-Gupta;

PUBLICATION

JOURNAL PUBLICATION :

- (1) Subhoshmita Mondal, Sohini Gupta, Meesha Singh, Somosree pal, Kaustav Das, Mahashweya Mitra Ghosh, Subrata Sankar Bagchi and Sayak Ganguli., 'A Pipeline for Assessment of Pathogenic Load in the Environment Using Microbiome Analysis.', Name of the book- Chapters published- Microbial Metatranscriptomics Belowground. Springer, Singapore. https://doi.org/10.1007/978-981-15-9758-9_23, 44348, ISBN-978-981-15-9758-9
- (2) Souradip Basu, Rajdeep Das, Sohini Gupta and Sayak Ganguli., 'Does Air Quality influence the spread of the SARS - COV2 in metropolitan cities? - A Case study from urban India.', Current World Environment, Enviro Research Publishers, 14 Green House, Prince Colony, Shahjahanabad, Bhopal-462 001, Madhya Pradesh, India., May-2021., ISSN-0973-4929
- (3) Sabdar Rahaman, Abhisek Ranjan Bera, Vineet Vishal, Sohini Gupta, Wrick Chakraborty and Sayak Ganguli, 'Biochemical and metagenomic insight into the impact of climate change on an epiphytic fern of the Indian Sunderbans.', Tropical Plant Research. Society for Tropical Plant Research (STPR) 197 A-1, Sahab Nagar, Kalyanpur, Kanpur, Uttar Pradesh 208 017, INDIA, 43770, ISSN (Online): 2349-1183; ISSN (Print): 2349-9265
- (4) Sayak Ganguli, Suchismita Guharoy, Pooja Das, Saheli Sarkar, Late Dipanwita Mukherjee, Damayanti Chakravarty, Mainak Chakraborty, Pankaj K Singh, Protip Basu, Abhisek Ranjan Bera, Vineet Vishal, and Sohini Gupta., 'Molecular Modeling, Simulation and Studies on Interactions of Three Major Proteins Encoded by the Ebola Genome.', International Journal of Pharmacy and Biological Sciences.(IJPBS) - Dr Jayapal Reddy Gangadi. H.NO-2-2-83/13, Rajajinagar, Hanamkonda India-506001, 43556, Online ISSN: 2230-7605, Print ISSN: 2321-3272
- (5) Sanga Mitra, Agnik Halder, Sohini Gupta, Sayak Ganguli and Jayprokas Chakraborty, 'Book Chapter-A Comparative Evaluation of Emerging Databases and Tools for Cancer Noncoding RNAs.', Book: Cancer and Noncoding RNAs. DOI:10.1016/B978-0-12-811022-5.00027-9, 43101, ISBN-978-0-12-811022-5
- (6) Sabdar Rahaman, Abhisek Ranjan Bera, Vineet Vishal, Pankaj Kumar Singh, Protip Basu, Sohini Gupta, Monojit Basu, Sayak Ganguli., 'Isolation and Computational characterization of Glutathione peroxidase gene from Azolla pinnata', Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences. Pebbale Park B-3, Flat No1211, Satav Nagar, Handewadi Road, Hadapsar, Pune - 411028, India., 42948, ISSN-2454-6348
- (7) Sudipta Joardar, Sharmila Ghosh, Sohini Gupta and Sayak Ganguli, 'In vitro and computational assessment of genotoxic potential of active constituents present in three medicinally important plant extracts.', International Journal of Current Research in Biosciences and Plant Biology. Excellent Publishers (Regd.) No.:38/48, Second street Ellappa Nagar Kanchipuram - 631501 Tamilnadu, India., 42917, ISSN: 2349-8072 (Print), ISSN: 2349-8080 (Online)
- (8) Sayak Ganguli, Olivia Das, Abhisek Ranjan Bera, Pankaj K Singh, Protip Basu, Vineet Vishal, Sohini Gupta., 'West Bengal Butterfly Biodiversity Database - A compendium of butterfly biodiversity with information regarding the habitat and status of individual identified species of butterflies of West Bengal.', Asian Journal of Conservation Biology. TCRP FOUNDATION, House No.4, Bylane 4, Hari, Mandir, Link Road, near Down Town, Dispur, Guwahati, Kamrup, Assam-781006, India, 42705, ISSN 2278-7666
- (9) Sohini Gupta, Sayak Ganguli, Protip Basu, Abhijit Datta, 'Structural Analyses of AC4 Protein of Sri Lankan Cassava Mosaic Virus', International Letters of Natural Sciences. SciPress Ltd., Seestrassse 24c, CH-8806 Bach, Switzerland, 42005, ISSN: 2300-9675
- (10) Sohini Gupta, Sayak Ganguli, Abhijit Datta, 'Book Chapter-The Silent assassins: Informatics of plant viral silencing suppressors.', Book-Agricultural Bioinformatics. Springer. DOI:10.1007/978-81-322-1880-7-2, 41883, ISBN: 978-81-322-1880-7



BOOK PUBLICATION

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