BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR SAUTRIK BASU, DEPARTMENT OF BOTANY

DESIGNATION	:	Assistant Professor (Stage1)
QUALIFICATION	:	M.Sc., Ph.D.
DATE OF JOINING THE SERVICE	:	Dec 15, 2008
DATE OF JOINING THE INSTITUTION	:	Jul 27, 2016
ADDRESS FOR COMMUNICATION	:	POST GRADUATE DEPARTMENT OF BOTANY, BARASAT GOVT. COLLEGE. 10, K.N.C ROAD. BARASAT. KOLKATA- 700124
PHONE NO	:	PERSONAL INFORMATION
EMAIL ADDRESS	:	basusautrik2018@gmail.com
SPECIALIZATION	:	Cell biology, Molecular genetics & Plant biotechnology.
TEACHING EXPERIENCE	:	13 years of teaching experience at UG level and 4 years at PG level
COLLEGE SERVED	:	1. Maulana Azad College (15.12.2008 - 26.7 2016) 2. Barasat Govt. College (27.7.2016 -- Till Date)

ACADEMIC AND ADMINISTRATIVE EXPERIENCE	:	Working as a joint Convenor (internal) of PG Board of studies in Botany since 2018. Acted as a member of different Examination sub committees (2009 onwards), acted as a member of College Development and Nature cell Subcommittees (Since 2016). Currently working as a joint Convenor of RTI committee, Barasat Govt. College (Since 2019).
TOPICS TAUGHT	:	UG level: Cell Biology, Classical & molecular genetics, Plant biotechnology, Plant anatomy & Gymnosperms. PG level: Cell Biology, Molecular genetics, Plant biotechnology, Instrumentation, Experimental Pteridology, Gymnosperms and Plant Systematics.
AREA OF RESEARCH & INTEREST	:	Area of research: Plant tissue culture, Plant cytogenetics, Phytochemistry and Enzymology Area of Interest: Molecular Cytogenetics, Molecular Systematics
ONGOING PROJECT DETAILS	:	NONE
AWARD RECEIVED	:	NONE
PATENT DETAILS	:	NONE
EXTRACURRICULAR ACTIVITIES	:	NONE
CAREER PROFILE	:	Obtained B.Sc and M.Sc degrees with first Class from University of Calcutta in 2003 and 2005 respectively. Qualified CSIR-UGC NET (in Life Sciences) in 2006 and worked as a Junior Research Fellow in the Post Graduate Department of Botany Presidency College Kolkata (Currently Presidency University). Obtained Ph.D. in Botany from the University of Calcutta in 2014. Joined the West Bengal Education Service as a Lecturer in 2008. Currently serving the Post Graduate Department of Botany, Barasat Govt. College as Assistant Professor. Empanelled as a research supervisor under the West Bengal State University. Currently working as a co supervisor along with Prof. J. Adhikari (Supervisor). Sri D. S. Mahanty (Assistant Prof. of Botany) (Registration no: 10017421114000031 of 2017) is working under our supervision [Proposed title of the thesis: Biosynthesis of myo-inositol in green and non green marine macro algae]. Acted as a reviewer of several reputed journals like Indian Journal of Experimental Biology (CSIR), Indian Journal of Biophysics and Biochemistry (CSIR) and Indian Journal of Natural Products and Resources (CSIR). Seminar/Symposia attended: 1. Attended National Symposium on Promotion and Development of Indian medicinal plants.(Organized by the School of Natural Product Studies, JU, Sept, 2018). 2. Attended and presented a paper (Oral Presentation) in National Symposium on Plant Tissue culture & Biotechnology for food and Nutritional Security (Organized by CSIR-CFTRI, Mysore, March, 2013). 3. Attended and presented a paper (Poster Presentation) in National Symposium on National Symposium on Plant Cell Tissue and Organ Culture (Organized by Dept. of Botany, C.U, 2010)
ACADEMIC LINK	:	ORCID ID: https://orcid.org/0000-0002-3517-900X

PUBLICATION

JOURNAL PUBLICATION :

(1) Mahanty, D. S., Basu, S., Adhikari, J., 'Salinity endurance of marine macro Rhodophycean algae with special emphasis on myo-inositol biosynthesis: An enzymological analysis from Halymenia venusta Børgesen.', Journal of Plant Stress Physiology. [ISSN: 2455-0477], DECEMBER , 2020, ISSN: 2455-0477

(2) Ghosh, S.S., Das, M., Basu, S., Adhikari, J., 'Gluconeogenic fructose-1,6-bisphosphatase from the mature sporocarps of common aquatic ferns: partial purification and basic characterization of this enzyme from Marsilea minuta (Polypodiopsida).', Ukrainian Botanical Journal [Published by NATIONAL ACADEMY OF SCIENCES OF UKRAINE • M.G. KHOLODNY INSTITUTE OF BOTANY], Octobor, 2020, ISSN: 2415-8860 (online); ISSN: 0372-4123 (print)

(3) Basu, S., Basak, A., Mahanty, D. S., Bhattacharjee, S., & Adhikari, J., 'Biosynthesis of Myo-Inositol in Chloroplasts of Salinity-Stressed Marine Macro Alga Ulva lactuca.', BOTANICA, June, 2019, ISSN: 2538-8657

(4) Basu, S., Basak, A., Bose, R., Chakrabarty, R., & Adhikari, J, 'Isolation, partial purification and biochemical characterization of chloroplastic L-myo-inositol-1-phosphate synthase from a macro alga Enteromorpha intestinalis under high salinity.', Environmental and Experimental Biology [Published by The University of Latvia], March, 2018, ISSN: 2255-9582

(5) Sautrik Basu & Timir Baran Jha, 'Direct organogenesis, phytochemical screening and assessment of genetic stability in clonally raised Chlorophytum borivilianum', Environmental and Experimental Biology [Published by the Univesity of Latvia], November, 2014, ISSN: 1691-8008 ONLINE: ISSN: 2255-9582

(6) Sautrik Basu & Timir Baran Jha, 'In vitro root culture: an alternative source of bioactives in the rare aphrodisiac herb Chlorophytum borivilianum Sant et Fern.', Plant Tissue Culture and Biotechnology [Plant Tissue Culture Association, Bangladesh], Dec, 2013, ISSN: 1818-8745

(7) Devendra Kumar Pandey, Sautrik Basu & Timir Baran Jha, 'Screening of different East Himalayan species and populations of Swertia L. based on exomorphology and mangiferin', Asian Pacific Journal of Tropical Biomedicine [Chinese Academy of Science], Dec, 2012, ISSN: 2221-1691 (print), 2588-9222 (online)

(8) Sautrik Basu & Timir Baran Jha, 'In-vitro propagation of Chlorophytum nepalense.', Journal of Tropical medicinal Plants [Tropical Botanics Sdn Bhd, Malaysia], June, 2011, ISSN(s):, 1511-8525

(9) Sautrik Basu & Timir Baran Jha, 'Cytogenetic studies in four species of Chlorophytum Ker-Gawl.(Liliaceae).', The Neucleus [Springer], November, 2011, ISSN: 09767975, 0029568X

(10) Sautrik Basu & Timir Baran Jha, 'Chlorophytum nepalense (Lindl.) Baker—An unexplored plant of potential economic value', Current Science [Indian Academy of Sciences], August, 2008, ISSN: 0011-3891

➢ **BOOK PUBLICATION :**