BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR MIHIR HALDER, DEPARTMENT OF BOTANY

DESIGNATION	:	Assistant Professor (Stage1)
QUALIFICATION	:	M.Sc., Ph.D.
DATE OF JOINING THE SERVICE	:	Nov 6, 2015
DATE OF JOINING THE INSTITUTION	:	Nov 6, 2015
ADDRESS FOR COMMUNICATION	:	Department of Botany, Barasat Govt. College, 10 K.N. C Road, North 24 paraganas, Kolkata Pin: 700124
PHONE NO	:	9088613241
EMAIL ADDRESS	:	mhalder16@gmail.com, mihir.halder@bgc.ac.in
SPECIALIZATION	:	Plant genetics and genomics, Cell biology, Molecular genetics & Plant tissue culture
TEACHING EXPERIENCE	:	UG course from November 2015 till to date and PG course from November 2015 till to date
COLLEGE SERVED	:	1. Barasat Government College (from November 2015 till to date)

ACADEMIC AND ADMINISTRATIVE EXPERIENCE	:	I also performed by duties as Joint Convenors of AISHE (from 2017 to till date), canteen and cheap stores committee (from 2016 to till date), and M.Sc. Department of Botany (from 2017 to till date) and member of Admission Committee (from 2016 to till date), System management committee (from 2016 to till date), College games and sports committee (from 2016 to till date), Carrier counselling (from 2017 to till date), Entry in Service & Placement Cell committee (from 2016 to till date), NSS (from 2020- to till date).
TOPICS TAUGHT	:	B. Sc. (H): Cell Biology (CC2), Genetics (CC7), Molecular Biology (CC8), Plant Ecology and Phytogeography (CC9), Plant Systematics (CC10), Plant Biotechnology (CC14), Analytical Techniques in Plant Sciences (DSE4); B. Sc. (G): Cell and Mol. Biology (DSE1), Analytical Techniques in Plant Sciences (DSE2); M. Sc.: Integrated Life Sciences (D1), Lab. Course (D5), AECC, Angiosperm Systematics (D6), Biodiversity & Conservation (SEC 1), Mol. Cellular Genetics & Plant Breeding (D11), Lab. Course (D14), Instrumentation (GEC 1), Mol. Genetics & Adv. Cell Biology (D16), Applied Plant Breeding &Plant Tissue Culture (D17), Lab. course (D18), Lab. Course (D19), Dissertation and Project Work (D20)
AREA OF RESEARCH & INTEREST	:	• Plant Molecular Cytogenetics • Plant Biotechnology- Plant tissue culture, Agrobacterium rhizogenes mediated transformation, Hairy root culture
ONGOING PROJECT DETAILS	:	None
AWARD RECEIVED	:	None
PATENT DETAILS	:	None
EXTRACURRICULAR ACTIVITIES	:	None
CAREER PROFILE	:	*I am currently working as Assistant Professor, Department of Botany, Barasat Government College affiliated with West Bengal State University. I completed my Ph.D. (2017) in Biochemistry and M.Sc. degree (2009) in Botany from Calcutta University. I received B.Sc. degree in Botany with Honours from the Presidency College, Kolkata, in 2007. I have published about 11 papers in the International and National peered reviewed journals including reviews and book chapters field of plant genetics and biotechnology.*
ACADEMIC LINK	:	1. Research Gate Profile: https://www.researchgate.net/profile/Mihir-Halder 2. ORCID Profile ID: https://orcid.org/0000-0002-8422-0814

PUBLICATION

JOURNAL PUBLICATION :

(1) Halder, M., & Jha, S., 'Enhanced trans-resveratrol production in genetically transformed root cultures of Peanut (Arachis hypogaea L.).', Plant Cell, Tissue and Organ Culture (PCTOC) 1. 124(3), 555-572 DOI: 10.1007/s11240-015-0914-0, November, 2015, ISSN: 1573-5044

(2) Jha, T. B., & Halder, M., 'Searching chromosomal landmarks in Indian lentils through EMA-based Giemsa staining method.', 1. Protoplasma, 253(5), 1223-1231 DOI: 10.1007/s00709-015-0873-7, September, 2015, ISSN: 1615-6102

(3) Nandagopal, K., Halder, M., Dash, B., Nayak, S., & Jha, S., 'Biotechnological approaches for production of anti-cancerous compounds resveratrol, podophyllotoxin and zerumbone.', Current Medicinal Chemistry, 25(36), 4693-4717. DOI: 10.2174/0929867324666170404145656, November, 2018, ISSN: 0929-8673

(4) Halder, M., Sarkar, S., & Jha, S., 'Elicitation: A biotechnological tool for enhanced production of secondary metabolites in hairy root cultures.', Engineering in Life Sciences. DOI: 10.1002/elsc.201900058, July, 2019, ISSN: 1618-2863

(5) Samaddar, T., Nath, S., Halder, M., Sil, B., Roychowdhury, D., Sen, S., & Jha, S., 'Karyotype analysis of three important traditional Indian medicinal plants, Bacopa monnieri, Tylophora indica and Withania somnifera.', 1. The Nucleus, 55(1), 17-20 DOI: 10.1007/s13237-012-0048-2, March, 2012, ISSN: 0976-7975

(6) Paul, P., Halder, M., & Jha, S., 'Alkaloids derived from tyrosine: penethylisoquinoline (autumnaline, colchicine).', Natural Products: Phytochemistry, Botany and Metabolism of Alkaloids, Phenolics and Terpenes, 461-478. Springer-Verlag Berlin Heidelberg DOI: 10.1007/978-3-642-22144-6_16, 2013, ISBN 978-3-642-22143-9

(7) Halder M., Jha S., 'Morphogenesis, Genetic Stability, and Secondary Metabolite Production in Untransformed and Transformed Cultures.', Plant Cell and Tissue Differentiation and Secondary Metabolites. Reference Series in Phytochemistry. Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-30185-9_15, December, 2020, ISBN: 9783030112530

(8) Halder, M., Roychowdhury, D., & Jha, S., 'A Critical Review on Biotechnological Interventions for Production and Yield Enhancement of Secondary Metabolites in Hairy Root Cultures.', 1. In Hairy Roots (pp. 21-44). Springer, Singapore. DOI: 10.1007/978-981-13-2562-5_2, November, 2018, ISBN: 978-981-13-2562-5

(9) Roychowdhury, D., Halder, M., & Jha, S., 'Agrobacterium rhizogenes-mediated transformation in medicinal plants: genetic stability in long-term culture.', Transgenesis and Secondary Metabolism, 323-345. DOI: 10.1007/978-3-319-27490-4_8-1, 2017, ISBN: 978-3-319-28669-3

(10) Halder M., Nath S., Jha S., 'Flow Cytometry and Its Utility.', Chromosome Structure and Aberrations. Springer, New Delhi. DOI: 10.1007/978-81-322-3673-3_5, 2017, ISBN: 9788132236719

BOOK PUBLICATION :