

PROFORMA FOR BIO-DATA

Name: Dr. Subhendu Bandyopadhyay

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(Residence)

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Institution: School of Life Science & Biotechnology, Dept. of Biochemistry, Adamas University, Kolkata.

Date of Birth: 27/10/1979

Gender: M

Category: General

Whether differently abled: No

Academic Qualification (Undergraduate Onwards)

Sl. No.	Degree	Year	Subject	University/Institution
1	BSc.	2002	Chemistry (Hons.), Physics & Math (Pass)	University of Calcutta
2	MSc.	2004	Biochemistry	University of Calcutta
3	PhD.	2011	Biophysics, Molecular Biology and Genetics	University of Calcutta

Ph.D. Thesis Title:

Biochemical and Molecular Markers in Five species of the genus *Phyllanthus*.

Ph.D. Supervisor: Prof. Sarmistha Sen Raychaudhuri

Institute: Department of Biophysics, Molecular Biology and Genetics, University of Calcutta

Year of Award: 2011

Work experience (in chronological order)

Sl. No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Assistant Professor (Grade-III)	Adamas University	2024	Till date	Rs.@15,600/- +AGP8000/ + DA+SA=67,380/-
2	Assistant Professor	Adamas University	2019	2019	Rs.@15,600/- +AGP6000/ + DA+SA= 43,500/-
3	Assistant Professor	Guru Nanak Institute of Pharmaceutical Science and Technology	2016	2019	Consolidate d Rs.25,000/-
4	Research Associate	Bose Institute	2012	2016	Rs.22,000/- + (30%)HRA
5	Research Associate	Presidency University	2011	2012	Rs.22,000/- + (30%)HRA
6	Senior Research Fellow	IIT Kharagpur	2010	2011	Rs.14,000/- +30%HRA
7	Research Scholar/JRF	University of Calcutta	2004	2010	Rs.8,000/- +30%HRA

Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant

Serial no.	Name of Award	Awarding Agency	Year
1	Excellent poster award	Department of Botany, University of Calcutta	2014
2	National Eligibility Test for Lecturership (AIR -30)	CSIR-UGC, Govt. of India.	2013
3	Research Associate ship	Department of Biotechnology, GOI.	2011
4	Research Fellowship in Science for Meritorious Students (RFSMS)	University Grants Commission, GOI.	2007
5	First prize in poster presentation	Indian Association of Bio Medical Scientists, Kolkata.	2005
6	Haradhan Basu Memorial Award	Department of Biochemistry, University of Calcutta	2004

7	Graduate Aptitude Test in Engineering	Indian Institute of Technology	2004

Publications (List of papers published in SCI Journals, in year wise descending order)

Serial no.	Authors	Title	Name of Journal	Volume	Page	Year
1.	A.Saha, R.Saha, Subhendu Bandyopadhyay, M.Gangopadhyay	Evaluation Of Differential Response Of Herbal Priming For Augmenting Drought Tolerant Potentiality In Few Commercially Important Indian Rice Varieties (Oryza Sativa L, Var Indica)	Journal of Survey in Fisheries Sciences	10	1S	2023
2.	Anirudha Dutta, Souvik Banerjee, Saheli Dinda, Indranil Chowdhury, Srijan Haldar, Subhendu Bandyopadhyay	A critical analysis on the roles of exopolysaccharides and ACC deaminase in salinity stress tolerance in crop plants	Bio catalysis and Agricultural Biotechnology	42(4):102-372	42(4):102-372	2022
3.	Arindam Roy, Sandip Sankar Ghosh, Kosturi Dan, Gargi Sai, Sanchaita Maity, Milan Suryadipto Das, Debjani Gupta, Joydeep Paul, Kuntal Pal, Subhendu Bandhyopadhyay, and Srijan Haldar	Are We Paying More to Consume Substandard Drinking Water? Crowd-Sourced Water Education Study in a South-Asian Megacity	European Journal of Developmental Studies	2(5)	52-60	2022
4.	Shalini Roy Chowdhury, Srijan Haldar, Ria Bhar,	<i>Pterocarpus angolensis</i> : Botanical, Chemical and Pharmacological Review of an Endangered	Journal of Experimental Biology and Agricultural	10(1)	150-156	2022

	Sumankalyan Das, Abinit Saha, Kuntal Pal, Subhendu Bandyopadhyay, Joydeep Pau	Medicinal Plant of India	Sciences			
5.	Srijan Haldar & Subhendu Bandyopadhyay	Co-ordinated regulation of miRNA and their target genes by CREs during salt stress in <i>Oryza sativa</i> (Rice)	Plant Gene	28	100323	2021
6.	Moumita Gangopadhyay, Anup Kumar Das, Ranabir Sahu, Arunima Saha, Sanjukta Dey, Subhendu Bandyopadhyay , Adinpunya Mitrae	Evaluation of growth response for mass production and accumulation of 2-hydroxy-4-methoxybenzaldehyde in endangered <i>Hemidesmus indicus</i> by an aeroponic system	Industrial Crops and Products	172	114072	2021
7.	Arunopal Biswas, Biswadeep Sen, Subhendu Bandyopadhyay and Chittabrata Mal	Co-regulatory functions of miRNA and lncRNA in adapting biotic and abiotic stress in economically important dicot plants	Plant Gene	https://doi.org/10.1016/j.plgen.2021.10.0275	https://doi.org/10.1016/j.plgen.2021.10.0275	2021
8.	Sritama Mukherjee,; Abhishek Mukherjee; Priyanka Das; Subhendu Bandyopadhyay ; Debapriya Chattopadhyay; Jolly Chatterjee; Arun Lahiri Majumder	A salt-tolerant chloroplastic FBPase from <i>Oryza coarctata</i> confers improved photosynthesis with higher yield and multi-stress tolerance to indica rice.	Plant Cell, Tissue & Organ Culture	10.1007/s11240-021-02026-1	10.1007/s11240-021-02026-1	2021
9.	Moumita Gangopadhyay, Subhendu Bandyopadhyay , Sanjukta Dey	Virus-like Particles (VLPs) based Vaccine Production: A Potentially Safe Candidate Vaccine against Worldwide COVID-19 Pandemic	Acta Scientific Clinical Case Reports	1.7.	08-13	2020

	and Arunima Saha					
10.	MukherjeeR, MukherjeeA, Bandyopadhyay S , Mukherjee S, Sengupta S, Roy S and Lahiri Majumder A N	Selective manipulation of the inositol metabolic pathway for induction of salt-tolerance in indica rice variety	Nature Scientific Reports	9:5358	https://doi.org/10.1038/s41598-019-41809-7	2019
11.	Bandyopadhyay S	CRISPR-Cas9 System: The Future of Genome Editing Studies	International Journal of Bioinformatics & Biological Science	4(2)	43-48	2016
12.	Bandyopadhyay S and Raychaudhuri S	Determination of genetic relationship of some medicinally important <i>Phyllanthus</i> species by isozyme and nr-ITS RFLP polymorphism markers	Octa. J. Biosci.	2(2)	105-111	2014
13.	Bandyopadhyay S , Nandgopal K and Jha T B	Characterization of RAM to SAM transitions in <i>Selaginella microphylla</i> grown in vitro	Biologia Plantarum	57(3)	597-600	2013
14.	Bandyopadhyay S and Raychaudhuri S	Development and comparison of RAPD, SCAR and AFLP markers for distinguishing five sp. Of <i>Phyllanthus</i>	Plant Biosystems	147(1)	12-20	2013

Detail of patents: None

Books/Reports/Chapters/General articles etc

Sl. No	Title	Author's Name	Publisher	Year of Publication
1	Water Spinach (<i>Ipomoea aquatica</i> Forsk.)	Moumita	Springer,	2020

	Breeding	Gangopadhyay, Anup Kumar Das, Subhendu Bandyopadhyay and Samanwita Das	The Netherlands	
2	Molecular Taxonomy: An approach based on molecular markers (Review)	De S, Bandyopadhyay S	Science and Culture; (Special issue on Scientific Legacy of Acharya J.C.Bose. The Doyen of Indian Science). Indian Science News Association (ISNA)	2008
3	Molecular Markers in <i>Phyllanthus</i> -A Review. Perspectives in Cytology and Genetics (Chapter)	Bandyopadhyay S and Raychaudhuri S S	Perspectives in Cytology and Genetics; Society of Cytologists and Geneticists India.	2007

Any other information:

Oral Presentation on “Genetic Relationship in Five species of *Phyllanthus* assessed through Amplified Fragment Length Polymorphism” at Indian Statistical Institute in the International Conference entitled, “Biodiversity: Issues and Concerns” in November 2007, Kolkata, India.

Workshop on “Knowledge Discovery in Life Sciences- Bioinformatic Approach” held in Indian Institute of Chemical Biology, Kolkata-32, from 16 –18 Feb., 2005.

One day online **workshop** on ‘Microgreens for Health and Wellness’ jointly organized by ICAR-IARI and SPBB, New Delhi on 20th February, 2021.

FDP on “Teaching, Research and Innovation in India: a biologist's view.” Department of Biotechnology, Amity University, Kolkata Chapter, 2020.

Life member of the Society for Plant Biochemistry and Biotechnology (SPBB).
Annual Member of Society for Plant Research (India).