

RESUME

Name of Candidate: MOUMITA CHAKRABORTY

Father's Name: Shri. Malay Kumar Chakraborty

DOB: 24-02-1992

Permanent & Postal Address:

4C, 4TH FLOOR, ABHINABA APARTMENT,
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State of Domicile: West Bengal

Place of Birth: Berhampore, West Bengal

Educational Career:

Degree/Diploma/ Certificate	Class/Percent	University/Board/ Institute	Year
Matriculation	1st/ 86.40%	Indian Certificate of Secondary Education	2008
Intermediate /+2	1st/ 68.70%	West Bengal Council of Higher Secondary Education	2010
B.Sc. (Hons.)	1st/ 69.37%	University of Kalyani	2013
M.Sc. (Environmental Science)	1st/ 73.43%	University of Kalyani	2015
Ph.D (Environmental Science)	1st/ 79.53%	G. B. Pant University of Agriculture And Technology, Pantnagar	2023

Additional training in India:

Period From To		Name & Address of the Institution	Course/ Training Title	Sponsored by
24/07/2018	24/09/2018	University of Kalyani	Certificate course in Waste Management (Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction and Demolition Waste)	Under the Green Skill Development Programme of MoEFCC
13/03/2021		G. B. Pant university of Agriculture & Technology, Pantnagar	Regional Sensitization and Training Workshop of Water Quality Management for Educational Institutions	Joint Project Management Unit of UCOST & Uttarakhand Jal Sansthan, Dehradun
18/12/2021		G. B. Pant university of Agriculture & Technology, Pantnagar	Training Workshop for Capacity Building of Educational Institutions about Water Quality with Special Reference to Water Safety and Security	Joint Project Management Unit of UCOST & Uttarakhand Jal Sansthan, Dehradun
28/12/2022		G. B. Pant university of Agriculture & Technology, Pantnagar	Workshop on Scientific Paper Writing	Uttarakhand State Council for Science and Technology (UCOST), Dehradun

Particulars of scholarships/fellowships etc. in Academic field:

Scholarships/Fellowships

Name of the fellowships	Year in which received	Name of the organization	Awarded for
ICAR SRF Scholarship	2018	ICAR	Pursuing PhD in Environmental Science

Other extra-curricular activities and interests/hobbies: Listening to music etc.

M.Sc. Thesis

Health status of molasses factory workers at Kaliganj, Nadia district, West Bengal.

Ph.D Thesis

In-vitro studies on nanoparticle mediated biodegradation of electronic waste by native bacteria.

Research Papers and Publications

GENE SEQUENCE

NCBI GenBank – Accession no. OQ818669

Chakraborty, M., Sharma, B., Ghosh, A., Sah, D. and Rai, J. P. N. (2023). Elicitation of E-waste (acrylonitrile-butadiene styrene) enriched soil bioremediation and detoxification using a newly isolated *Priestia aryabhatai* MGP1. *Environmental Research*. (IF 8.431)

Ghosh, A., Sah, D., Chakraborty, M., & Rai, J. P. N. (2023). Bio-mediated detoxification of heavy metal contaminated soil and phytotoxicity reduction using novel strain of *Brevundimonas vancouverensis* SMA3. *Heliyon*. (IF 4.0)

Chakraborty, M., Rai, J. P. N., Ghosh, A., and Sah, D. (2022). Isolation, characterization and effect of bioformulation on bacterial isolate derived from e-waste enriched soil. *Emergent Life Sci. Res.*, 08(02): 77–83

Sah, D., Rai, J. P. N., Ghosh, A., & Chakraborty, M. (2022). A review on biosurfactant producing bacteria for remediation of petroleum contaminated soils. *3 Biotech*, 12(9), 218.

Ghosh, A., Rai, J. P. N., Sah, D., & Chakraborty, M. (2022). Isolation and Characterization of lead (PB) tolerant bacterial isolate and its potential for bioremediation of contaminated soil. *The Pharma Innovation Journal*, 11(5): 1896-1900

Sah, D., Ghosh, A., Chakraborty, M., & Rai, J. P. N. (2023). Comparative analysis of the efficacy of free and immobilized bacteria in degradation of diesel oil. *The Pharma Innovation Journal*, 12(6): 2043-2048

Chaturvedi, G., Chakraborty, M., Nain, A. S., & Singh, R. K. (2023). Resource optimization for rice (*Oryza sativa* L.) under climate change scenario in Terai region of Uttarakhand. *The Pharma Innovation Journal*, 12(5): 2450-2454

Book Chapters

Chakraborty, M., Chaturvedi, G. and Ardeep (2020). Impacts of agricultural pollutants on water resources and their management. In: *Advances in Environmental Pollution Management: Wastewater Impacts and Treatment Technologies*, Volume 1, Eds. Kumar, V., Kamboj, N., Payum, T., Singh, J. and Kumar, P., pp. 29-40. <https://doi.org/10.26832/aesa-2020-aepm-03>

Chakraborty, M., Chaturvedi, G.K., Singh, V.K. and Baskar, S. (2022). Permaculture as a Green Material for Land Management. In: Baskar, C., Ramakrishna, S., Daniela La Rosa, A. (eds) *Encyclopedia of Green Materials*. Springer, Singapore. https://doi.org/10.1007/978-981-16-4921-9_242-1

Presentations in conference / symposium:

Oral Presentation on “In- vitro E-waste degradation by indigenous bacteria” in the International Conference on Advances in Biotechnology and Applied Microbiology (ICABAM-2022)” organized by IIMT University, Meerut, India during 30- 31 March, 2022.

Presented poster entitled “Evolution in the Diagnosis of COVID-19 Availing Nanotechnology” in the International e-Conference on Bio-Electronics & Informatics in Present Scenario organized by Shobit Institute of Engineering and Technology, Meerut, India during 26-27 June, 2020

Presented poster entitled “In- vitro bioremediation of e-polymer employing potent bacterial strains” in the International Conference on Advances in Agricultural and Food System Towards Sustainable Development Goals (AAFS 2022)” jointly organized by UAS, Bangalore, AIASA, New Delhi and ICAR, New Delhi, India during 22- 24 August, 2022.

Popular Articles

Moumita Chakraborty and Gaurav Chaturvedi (2020) Bioremediation of Waste Water via. Vermifiltration, Publisher – Agriculture Letters, Volume 01, Issue 05 (September, 2020)

Gaurav Chaturvedi and Moumita Chakraborty (2020) Environmental Impact Assessment in Environmental Management, Publisher – Agriculture Letters, Volume 01, Issue 03 (July, 2020)

Awards

- 1. Best Article Award with First position** for the article entitled “Bioremediation of Waste Water via. Vermifiltration” published in Volume 01, Issue 05 of “Agriculture Letters”.
- 2. Qualified 25th WBSET , 2023.**

All information in this resume is true and correct to the best of my knowledge and belief.

Professional experiences

Sep 2023 – Present : Senior Environment Executive at Kryfs Power Components Ltd. in RDSS scheme
Project funded by Asian Development Bank

References :

1. Prof. J.P.N. Rai

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2. Dr. Shweta Saraswat

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