

Parameter	Data
Faculty Name with Prefix (BLOCK LETTER)	URVASHI LAMA
Designation (Assistant/Associate/ SACT Professor)	Assistant Professor (Stage-I)
Educational Qualification	M.Sc. (2016), B.Ed. (2019), CSIR-UGC NET DEC, 2016 WB SET, 2017
Contact official email (Mobile no. optional)	urvashilama@smc.edu.in
Department Name	Botany
Field of Specialization/ Area of Interest	Molecular Biology and Cellular Genetics; Environmental Studies - Arsenic stress on plants; Stress biology; Heavy metal remediation
Teaching experience (in years)	5+ Years
Industrial experience (in years give details)	2 Years Research Fellow in Darjeeling Tea Research & Development Centre (DTR&DC), Tea Board, India
Papers/Books Published (Details as reference)	Papers: ❖ Majumder, S., Ghosh, S., Lama, U., Dey, A., Das, D., Majrul, S., & Roychowdhury, T. (2025). Chronic toxicity through prolonged arsenic ingestion among population from endemic area of West Bengal, India: Promoting better management to mitigate future risk. <i>Groundwater for Sustainable Development</i>, 29, 101410. ❖ Majumder, S., Joardar, M., Das, A., De, A., Mridha, D., Ghosh, S., Lama, U., Dey, A., Chowdhury, N.R., Majumdar, A., & Roychowdhury, T. (2023). Arsenic toxicity, biomarkers of exposure and risk assessment among different aged young population from endemic areas of West Bengal, India. <i>Groundwater for Sustainable Development</i>, 23, 101022. ❖ Mridha, D., Gorain, P.C., Joardar, M., Das, A., Majumder, S., De, A., Chowdhury, N.R., Lama, U., Pal, R., & Roychowdhury, T. (2022). Rice grain arsenic and nutritional content during post harvesting to cooking: a review on arsenic bioavailability and bioaccessibility in humans. <i>Food Research International</i>, 154, 111042. ❖ Dubey, H., Rawal, H.C., Rohilla, M., Lama, U., Kumar, P.M., Bandyopadhyay, T., Gogoi, M., Singh, N.K., & Mondal, T.K. (2020). TeaMiD: a comprehensive database of simple sequence repeat markers of tea. <i>Database</i>, 2020, baaa013.

- ❖ Choubey, M. R. I. T. Y. U. N. J. A. Y., Lama, U. R. V. A. S. H. I., Chetri, P., & Bera, B. (2019). Application of phenomics, genomic resources and bioinformatics tools for tea plant improvement. *Int. J. Agric. Innov. Res*, 7, 6.

Book Chapters:

- ❖ Dey, A., Lama, U., Ghosh, S., Das, D., Majumder, S., & Roychowdhury, T. (2024). Cadmium Toxicity in Rice and Wheat Plants: An Apprehension of Translocation and Tolerance Mechanisms. In *Plant Responses to Cadmium Toxicity: Insights into Physiology and Defense Mechanisms* (pp. 287-304). Cham: Springer Nature Switzerland.
- ❖ Lama, U., Majumder, S., Mridha, D., & Roychowdhury, T. (2024). Remedial Approaches to Arrest Arsenic in Soil–Plant System to Prevent Its Entry in Rice Grain—a Review. *Arsenic Remediation of Food and Water: Technological Interventions and Perspectives from Developing Countries*, 325-352.
- ❖ Mazumder, A., Lama, U., Borkotoky, M., Borchetia, S., Begam, S., & Mondal, T. K. (2024). Tissue and Cell Culture of Tea (*Camellia* sp.). In *In Vitro Propagation and Secondary Metabolite Production from Medicinal Plants: Current Trends (Part 2)* (pp. 259-281). Bentham Science Publishers.
- ❖ Lama, U., Halder, S., & Roychowdhury, T. (2023, December). Defluoridation by Sustainable Utilization of Iron Oxide Nanoparticles-Enriched Waste Tea Residue. In *International Conference on Sustainable Advanced Technologies for Environmental Management* (pp. 43-53). Cham: Springer Nature Switzerland.

Conference Abstract:

- ❖ Roychowdhury, T., Das, A., Chowdhury, N.R., Joardar, M., Mridha, D., De, A., Lama, U., Priyadarshni, P., Majhi, K., Chakraborti, S., & Kumar, D. (2023). Groundwater arsenic contamination with special reference to its accumulation in rice grain and additional entry during domestic scale post harvesting in Bengal delta. In *Arsenic in the Environment: Bridging Science to Practice for Sustainable Development As2021* (pp. 188-189). CRC Press.

FIP/RC/FDP

S/No.	Name of the course	Place	Duration	Organizing/Sponsoring Agency
1.	Inter-disciplinary Refresher Course (in Online Mode) entitled “Security and Machine Learning in the Aspects of Next Generation Networks (Information	Jadavpur University, Kolkata (Online)	10.02.2025 to 22.02.2025	UGC Malaviya Mission Teacher Training Centre (MMTTC) Department of Information Technology, Jadavpur University, Kolkata

		Technology)				
	2.	One Week Online Faculty Development Program on Environmental Impact and It's Protection	Haldia Institute of Technology, West Bengal (Online)	13.05.2024 to 17.05.2024	Department of Civil Engineering, HIT	
	3.	Faculty Development Program on Next Generation Sequencing	Haldia Institute of Technology, West Bengal (Online)	06.05.2024 to 11.05.2024	The Department of Biotechnology, HIT	
	4.	5th Faculty Induction Program	North-Eastern Hill University, Shillong (Online)	17.08.2021 to 16.09.2021	UGC	

Attended Seminar/ Webinar/Workshop/ paper presented	Workshops Attended: ❖ Workshop on B. Sc. Hons. Practical, from 04.03.2020 to 06.03.2020, organized by Probir Chatterjee Research Foundation in collaboration with Dept. of Botany, University of Calcutta. ❖ SWAYAM-NPTEL MOOCs Awareness Workshop, on 27.01.2020, organized by IIT Kharagpur in association with Bangabasi College. Seminars/Webinars Attended: ❖ Webinar 2: Covid 19: Economy, Polity and Social Media on 19.06. 2020 organized by IQAC, Bethune College. ❖ Tips & Tricks for Publishing in International Scientific Journals (Int. Online FEP) on 20.06. 2020 organized by Surendranath College. ❖ Basic Author Workshop - Research Article Writing & Reference Management Using Mendeley on 22.06. 2020 organized by Annamalai University. ❖ Prevention and Control of Vector Borne Diseases Amidst COVID-19 on 24.06. 2020 organized by Surendranath College. ❖ 2 Days Special Lecture Series: Current Trends in Basic Sciences and Career Opportunities on 25.06. 2020 and 26.06. 2020 organized by Balurghat Mahila Maha Vidyalaya. ❖ Challenges & Opportunities after Post COVID-19 in Tourism, Hospitality, Logistics & Retail Sector on 25.06. 2020 organized by Nabagram H.P. College (B.Voc). ❖ 5 Days Online Int. FDP: Teaching, Learning & Evaluation in HEIs in Pandemic
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	& Post-Pandemic India: Issues & Challenges from 25.06. 2020 to 29.06. 2020 organized by the Indian Academic Researchers' Association. ❖ Sir J. C. BOSE Annual Memorial Lecture on 26.06. 2020 organized by Raidighi College (Dept. of Microbio& Bot). ❖ National Biofacet Webinar on "Plant Health Management" on 29.06. 2020 organized by S.S. & L.S. Patkar Varda College, Goregaon (E) (Dept. of Microbio& Biotech). ❖ Plant Biotechnology and its Application on 29.06. 2020 organized by Gurudas College (Dept. of Botany). ❖ One-day National Webinar on Impact of Climate Change on Hill Agriculture on 06.08. 2021 organized by the University Grants Commission, Human Resource Development Centre, North Eastern Hill University. Papers Presented: ❖ Best Oral Presentation Award received for paper presentation on <i>“Green synthesis of iron oxide nanoparticles enriched banana peel biochar for efficient arsenic removal from water”</i> at the 9th International Congress & Exhibition on Arsenic in the Environment (As2024), scheduled from October 20th to 24th, 2024, at KIIT University, Bhubaneswar. ❖ Paper presented on <i>“Defluoridation by Sustainable Utilization of Modified Iron Oxide Nanoparticles from Tea Waste (Urvashi Lama, Shuvankar Halder, Tarit Roychowdhury)”</i> at the International Conference on Sustainable Advanced Technologies for Environmental Management (SATEM-2023), Civil Engineering Department, IEST Shibpur during December 20-22, 2023.
ProjectbWorks/Thesis Guidance	
Collaborative Programs/Membership	
Other Notable Activities	❖ Organized several NSS related activities as the Programme Officer, NSS Unit of the college from 20.02.2021 till 11.04.2023. ❖ Video presentation on the topic, Ecobricks in webinar to celebrate International Plastic Bag Free Day 2021 organized by the college, Sovarani Memorial College ❖ Served as a Contingent Leader of the West Bengal Contingent for NSS ADVENTURE CAMP – 2022, Narkanda (Shimla), Himachal Pradesh (08.11.2022 – 23.11.2022) ❖ Organized“ONE-DAY NATIONAL WEBINAR ON CANCER - RESEARCH, TRENDS AND AWARENESS” as the Convenor on 12th November 2021 (organised by the National Service Scheme Unit and the Department of Botany in collaboration with the IQAC, Sovarani Memorial College).

WEB address (if any)	https://scholar.google.co.in/citations?user=zC9_PWwAAAAJ&hl=en&oi=ao
Passport photograph (insert)	