

ACADEMIC PROFILE

1. Name: Shri Abhra Abir Chowdhury

2. Designation: Assistant Professor of Botany (W.B.E.S.) at
Krishnagar Government College, Nadia, 741101

3. Qualification: M.Sc. in Botany, B.Ed.

4. E-mail address: abhrachowdhury26@gmail.com
/abhraabirwbcs@gmail.com

5. Specialization: Cytogenetics and Plant Breeding

6. Date of Joining in the West Bengal Education Services: 04/08/2021

7. Date of Joining at Krishnagar Govt. College- 10/01/2025

8. Previous posting: UG & PG Department of Botany, Darjeeling Government College,
Darjeeling, 734101.

9. Total Teaching experience at the college level: 9 years 9 months (UG level) & 3
years 5 months (PG level).

10. Qualifying All India and State-level Exams: CSIR-JRF (AIR-59), CSIR NET-LS
(AIR-24), WBSET, GATE.

11. Research interests: Phycology (Diatoms)



Publications of Research Articles and Book chapters –

1. Saha B., Chowdhury A.A., Emerging plant viruses in the Northeastern Indian region: a review. In Research in Mycology; Singh, B. et al., Ed.; Genic Book Publishers Pvt. Ltd. Agra India, 2024; Vol. 3: page 94-129. ISBN: 978-81-9805-752- 5.
2. Chowdhury, A. A., Sharma, A. K., Naskar, C., Ganguly, S., De, P., Maurya, A. K., ... & Sinha, D. (2024). Land utilization pattern and effects on soil microbiome. In *Microbiome Engineering* (pp. 206-230). CRC Press.<https://doi.org/10.1201/9781003394662-15>
3. Majgaonkar, A., Sinha, D., Kazi, Z., Chowdhury, A. A., Das, S., Maurya, A. K., & Bhat, N. (2025). An Overview of COVID-19: Highlighting the Impact of New Variants. Integrative Omics and Systems Pharmacology for COVID-19, 1–55. Apple Academic Press. <https://doi.org/10.1201/9781998511211-1>
4. Sinha, D., Kazi, Z., Muherjee, R., Ganguly, A., Banerjee, S., Maurya, A. K., ... & Dutta, S. (2025). Integrated molecular strategies for enhanced production of medicinal plant-derived flavonoids. In *Biotechnology, Multiple Omics, and Precision Breeding in Medicinal Plants* (pp. 314-332). CRC Press.<https://doi.org/10.1201/9781003475491-23>

5. CHOWDHURY, A. A., CHHETRI, S., CHAKRABORTY, P., TAMANG, S., & SAHA, B. (2025). Identification of a fungus contaminating orchid tissue culture media from +Darjeeling. *Journal of Mycopathological Research*, 63(4), 895–902. <https://doi.org/10.57023/jmycr.63.4.2025.895>
6. Sinha, D., Majgaonkar, A., Maurya, A. K., Das, S., Mukherjee, R., Saha, U., ... & Nandy-Datta, P. (2025). Epigenetics for Developing Abiotic Stress-Tolerant Plants: Updated Methods and Current Achievements. In *Epigenetics for Climate-Smart and Sustainable Agriculture* (pp. 61-97). GB: CABI. <https://doi.org/10.57023/jmycr.63.4.2025.895>
7. Sinha, D., Bhattacharya, R., Mukherjee, R., Maurya, A. K., Chowdhury, A. A., & Chatterjee, M. (2025). Organic pollutants fate in paddy fields and rice grains. In *Rice Cultivation Under Abiotic Stress* (pp. 143-160). Academic Press. <https://doi.org/10.1016/b978-0-443-21793-7.00008-8>.
8. Dutta, T., Saha, B., Saha, A., & Chowdhury, A. A. (2026). Phytochemical screening of antifungal compounds and their therapeutic potential. In *Bioactive natural products* (pp. 46–84). Books Heaven Publication. ISBN 978-93-9511-20-1.

1. Participation in A) Seminars/Symposia/Conferences/Workshops:

1. Poster presentation on “*Comparative account of Diatoms, Fern spores, and pollen grains as predictors of Paleo-climatic Changes*” at the International Conference on Seedless Vascular Plant Research and Transdisciplinary Approaches: Biodiversity Exploration and Sustainable Livelihood, partly organised by Department of Botany, University of Kalyani, and Indian Fern Society, Chandigarh during 22nd to 24th November 2023.
2. Poster presentation on “*Documenting Short Sediment Core Diatom Assemblages as Microfossil Proxies for Interpreting the Palaeo-Ecology in the Indian Sundarbans*” at a two-day International Conference on Current Developments in Plant Science Research: Translating Research to Practice, organised by the Department of Botany, University of Kalyani, in Collaboration with Botanical Survey of India, & Supported by ANRF Foundation, Govt. of India during 27th to 28th January, 2026.
3. PowerPoint presentation on “*Implications of diatom taxa as bioindicators with special reference to Indian Sundarbans*” at the 2-Day National Level Conference (NLC)-2023 on “Biodiversity and bioprospecting” Organised by the Department of Botany, GGDC, Lalgah, Jhargram, W.B. during 22nd to 23rd December 2023.
4. Acting as an Organizing Secretary for a 7-Day National Workshop on Plant Systematics in Practice: Tools, Techniques & Herbarium Skills jointly organised by Dept of Botany,

Krishnagar Govt. College and Dept of Botany, Nabadwip Vidyasagar College, from 8-15th December,2025.

- **FIP:** Participated in the 2nd Faculty Induction Programme from 29th January 2024 to 27th February 2024 under MMTTC, HRDC, The University of Burdwan.
- **RC:** Participated in the Refresher Course in Earth systems, Natural Resources & Sustainable Futures from 01st August 2026 to 14th August 2026 under MMTTC, HRDC, The University of Burdwan.