

DR. SUBRATA CHAKRABORTY

Associate Professor

M. Sc. (Botany), Ph.D.

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» **Overview:**

Myself Dr. Subrata Chakraborty, after accomplishing doctoral research from the cell biology & plant biotechnology unit under the canopy of the centre of advanced studies in cell and chromosome research of the Calcutta University College of Science, joined at the department of Botany, T.D.B. College, Raniganj, as a Lecturer in the March, 2005. After that I had held the positions of a Senior Lecturer, Assistant Professor Stage 2, Stage 3 and presently holding the post of an Associate Professor. I had been serving this college as a faculty member of the department of Botany since last more than seventeen years. I have been teaching my students diverse areas of Botany such as Mycology, Plant Anatomy, Fossil Gymnosperms, Parts of Biochemistry, Microbial Genetics and Cell Biology, Genetics & Molecular Biology with commendable initiative as well as with a view to give them a flavour of the subject of Plant Science. Besides teaching I have been involved in diverse working areas of college including college administration.

» **Date of appointment to the present job:**

23/03/2005

» **Other Academic/Administrative post:**

- Coordinator, Department of Botany
- Teacher's representative member of the Governing Body of college

» **Academic background:**

- Attained a good honours degree in Botany from Krishnagar Govt. College (then affiliated to the University of Calcutta).
- Attained postgraduate degree in Botany (specialization– Cytogenetics) from Darjeeling Govt. College (affiliated to the University of North Bengal) with first class second rank and distinction. Recipient of silver medal for this rank in M.Sc. final examination.
- Achieved UGC Ph.D. fellowship of the University of Calcutta and carried on doctoral research in the cell biology & plant biotechnology unit, CAS, department of Botany, Calcutta University College of Science. Worked with keen interest in the field of plant tissue culture and screening of the yield of secondary metabolites in cultured tissues along with the varied biochemical parameters during in vitro growth and morphogenesis.

» **Information about Ph.D.:**

- **Date of Award:** 08/02/2001
- **Ph.D. Topic:** *Tissue culture of some economically important plants with a view to their improvement and their biochemical studies to note some changes during differentiation/ culture.*

» **Professional Qualifications:**

- **GATE:** 1993
- **SLET:** 2002

» **Publications in Journals:**

1. Chakraborty S. (2016). Protoplast Culture and Somatic Hybridization, a Promising Frontier of Plant Biotechnology. J. Arts, Science & Teaching (JAST), ISSN 2395-4353. Volume 2 (1), pp. 46-54.

2. Chakraborty S.(2011). Tissue culture of *Solanum laciniatum*Ait., an elite exotic medicinal species with a view to produce secondary metabolite. Proceedings of UGC sponsored national seminar on biotechnological approach to improve medicinal plants (organized by Dept. of Botany, Asansol Girls' College in collaboration with Dept. of Biotechnology, Burdwan University). pp. 162-174.
3. Chakraborty S., and Roy S.C. (2006). Micropropagation of *Cyphomandra* (Cav.) Sendt., a potential Horticultural and Medicinal Plant by Axillary Bud Multiplication. *Phytomorphology*, ISSN 0031-9449. Volume 56 (1 & 2), pp. 29-33.
4. Chakraborty S., and Roy S.C. (2001). Tissue specific expression of isozymes used as biochemical markers in different stages of in vitro growth of *Solanum laciniatum*Ait. *Cell and Chromosome Research*, ISSN 0254-2935. Volume 22 (1 & 2), pp. 9-16.

» **Books and Chapters:**

NA

» **Seminars, Conferences, Webinars and Workshops attended:**

- Seminars/Conferences/Workshops:17
- Webinar:01

» **Life Membership:**

- Life member of the “All India Congress of Cytology and Genetics (AICCG)” [Regd. No. S/48604] since 18.09.15.

» **Awards/Academic Achievements:**

- Awarded a silver medal for first class second rank with distinction in M.Sc. examination of the University of North Bengal, 1991.
- Recipient of ‘ISCA Young Scientists’ Award–2000 (Section – Botany) in the 87th session of Indian Science Congress held at Pune University.

» **Professional Courses:**

- **Orientation Programme /FDP/FIP: 01**
- **Refresher Course: 02**
- **Winter School: 01**
- **Short Term Course: 01**