

DR. DIPANNITA PARIAL

State Aided College Teacher, Category I

Head, Department of Botany,

Sammilani Mahavidyalaya,

Baghajatin, E.M. Bypass, Kolkata-700094



PERSONAL DETAILS

Dr. Dipannita Parial

M.Sc. Ph.D.

COMMUNICATION

**Address: 8/10A, Netajinagar,
Kolkata:700092**

Email:

dipsparial2018@gmail.com

Mobile No.: 9477403150

SKILLS

**Teaching experience in Botany
for more than 9 years.**

**Research Experience in Algal
Nanobiotechnology for more
than 6 years.**

EDUCATION

MSc., Ph.D.

University of Calcutta

EMPLOYMENT

State Aided College Teacher Category I

Head, Department of Botany, Sammilani Mahavidyalaya, Baghajatin, E.M. Bypass, Kolkata- 94 (1st August 2016- Present).

Guest Faculty

Post Graduate Department of Botany, Serampore College, Hooghly (September 2015- January 2019)

Guest Faculty

Post Graduate Department of Botany, Lady Brabourne College (July 2019- December 2019)

RESEARCH EXPERIENCE

Worked as **Project Fellow** in a University Grants Commission (**UGC**) funded project and as **UGC-RFSMS** (University Grants Commission-Research Fellowship in Science for Meritorious Students) at Phycology laboratory, Department of Botany, University of Calcutta.

Publications

1. **Dipannita parial**, Satarupa Dey. Potential Use of Algae and Bacteria for Bioremediation of Wastewater. **2024**. DOI:10.1201/9781003297901-16. In book: Toxicity of Aquatic System and Remediation (pp.219-236)
2. Uttpal Anand, Satarupa Dey, **Dipannita Parial**, Stefania Federici, Serena Ducoli, Nanthi S. Bolan, Abhijit Dey, Elza Bontempi. Algae and bacteria consortia for wastewater decontamination and transformation into biodiesel, bioethanol, biohydrogen, biofertilizers and animal feed: a review. Environmental Chemistry Letters. **2023**. 21, 1585–1609. <https://doi.org/10.1007/s10311-023-01562-w>. **Impact factor- 15.0**
3. **Dipannita parial**, Satarupa Dey. Role of Microalgae in Wastewater Treatment and Their Role in Nutrient Recovery. **2023**. DOI:10.1007/978-981-99-2560-5_3. In book: Sustainable Industrial Wastewater Treatment and Pollution Control (pp.31-53)
4. **Dipannita Parial**, Priya K. Gopal, Santanu Paul, Ruma Pal. Gold (III) bioreduction by cyanobacteria with special reference to in vitro biosafety assay of gold nanoparticles. Journal of Applied Phycology. **2016**. 28(6): 0921-8971. **Impact factor-2.8**
5. Nabanita Chakraborty, **Dipannita Parial** and Ruma Pal. Biochemical modulation of stress related compounds in lead resistant cyanobacteria in short and long term duration. International Journal of Applied Research. **2015**. 1(12): 674-678
6. **Dipannita Parial** and Ruma Pal. Biosynthesis of monodisperse gold nanoparticles by green alga *Rhizoclonium* and associated biochemical changes. Journal of Applied Phycology. **2015**, 27(2): 975-984. **Impact Factor- 2.8**
7. **Dipannita Parial** and Ruma Pal. Green synthesis of gold nanoparticles using cyanobacteria and their characterization. Indian Journal of Applied Research. **2014**. 4: 69-72.
8. **Dipannita Parial**, Hirak K. Patra, Piya Roychoudhury, Anjan Kr. Dasgupta and Ruma Pal. Gold nanorod production by cyanobacteria- a green chemistry approach. Journal of Applied Phycology. **2012**. 24: 55-60. **Impact Factor- 2.8**
9. **Dipannita Parial**, Hirak K. Patra, Anjan Kr. Dasgupta and Ruma Pal. Screening of different algae for green synthesis of gold nanoparticles. European journal of phycology. **2012**. 47 (1): 22-29. **Impact factor- 2.4**
10. Sudeshna Mukherjee, **Dipannita Parial**, Nilofer Khatoon, Atreyee Chaudhuri, Sudeshna Senroy, Sumit Homechaudhuri and Ruma Pal. Effect of Formulated Algal Diet on growth performance of *Labeo rohita* Hamilton. Journal of Algal Biomass Utilization. **2011**. 2 (4): 1– 9.

Awards received

1. Awarded **1st prize for poster presentation** at “7th Asia Pacific Conference on Algal Biotechnology” held from 1st to 4th December, 2009, New-Delhi, India.
2. Awarded **1st prize for oral presentation** at “18th West Bengal State Science and Technology Congress” held from 28th Feb- 1st March, 2011, Kolkata, West Bengal, India.

Foreign Travel Grants received

1. Awarded travel grant for attending International conference under **UPE from UGC** under XIth plan period to attend and present poster at “9th Asian Fisheries and Aquaculture Forum” held at, Shanghai, **China**, 21-24th April, 2011.
2. Awarded travel grant from Science and Engineering Research Board (SERB) under Department of Science and Technology (**DST**), Government of India for attending International conference “8th Asia Pacific Conference on Algal Biotechnology” held at Adelaide Convention centre, Adelaide, South **Australia**, 9-12th July 2012.

Seminars/ Conferences/webinars/workshops attended

International Conferences

1. Presented a **poster** entitled “Cyanobacteria and Algae: The green nanofactories of gold” in International conference on **The Green Planet: Past, Present and Future** organized by **CAS-VII, Dept of Botany, C.U.** in collaboration with **Probir Chatterjee Research Foundation** and **Botanical Survey of India** on 21st and 23rd December, 2016.
2. Presented a paper (**oral presentation**) entitled “Algae as green gold nanofactory” in **8th Asia Pacific Conference on Algal Biotechnology** Jointly organized by **Flinders University, The University of Adelaide, University of South Australia, James Cook University, Murdoch University, Government of Australia, South Australian R&D Institute** in Adelaide Convention centre, **Adelaide, South Australia** on 9-12th July 2012.
3. Presented a paper (**oral presentation**) entitled “Green synthesis of gold nanorods using cyanobacterium as bioreagent” in **International Algal Summit**, jointly organized by Indian **Phycological Society** and **The Energy and Resources Institute, New Delhi, India**, 21-22nd Feb 2012
4. Presented a paper (**Poster presentation**) entitled “Evaluation of algae based value added feeds for Indian major carp *Labeo rohita* fingerlings” in **9th Asian Fisheries and Aquaculture Forum**, organized by **Shanghai Ocean University** and **Asian Fisheries Society, Shanghai, China**, 21-24th April, 2011.
5. Presented a paper (**Poster presentation**) entitled “Production of gold nanoparticles using microalgae” in **7th Asia Pacific Conference on Algal Biotechnology**, jointly organized by Department of **Botany, University of Delhi** and **Indian Phycological society, Delhi, India**, 1-4th Dec. 2009

National Seminars

1. Attended a national seminar on **Science and Technology: Rural Development** organized by Surendranath College, Kolkata on 20.01.2020-21.01.2020.

2. Attended a **national seminar on Recent Advances in Cryptogamic Botany & 16th Probir Chatterjee Memorial Lecture**, organized by **Probir Chatterjee Research Foundation** in collaboration with **CAS, Department of Botany, University of Calcutta** on 02.02.2018.
3. Attended a **national seminar on Reseach Scenario in Plant Science**, organized by **Archana Sharma Foundation** and **CAS, Department of Botany, University of Calcutta** on 08.01.2013.
4. Attended a **national seminar on Cryptogamic Botany: From curriculam to application**, organized by **Probir Chatterjee Research Foundation** in collaboration with **Department of Botany, University of Calcutta** on 19.11.2013.
5. Attended a **national symposium on Genomics Research and Impact in Plant System**, organized by **CAS, Department of Botany, University of Calcutta** on 21.03.2011.
6. Attended a national symposium on **Advances in Plant Sciences, Agri- Biotechnology and Food-Security**, organized by **Visva Bharati** in collaboration with **Plant Physiology Forum, C.U., AICBA, New Delhi and Dept. of Agricultural, Gov. of West Bengal** on 10.04.2009.

State level Seminars

1. Presented a paper (**Poster presentation**) entitled “Algae as reducing agent in the biosynthesis of gold nanoparticles” in **18th West Bengal State Science and Technology Congress** Organized by **West Bengal State Science and Technology Department, West Bengal, India** and **Ramkrishna Mission Residential College, Narendrapur, Kolkata, West Bengal, India**, 28th Feb- 1st March, 2011.
2. Presented a paper (**Poster presentation**) entitled “Evaluation of microalgae in Gold fish nutrition” on **State level seminar** on Playing God: Expanding Frontiers of Biotechnology, organized by Gurudas College in collaboration with IICB, **Kolkata**, 6-7th Nov. 2009.

Webinars

1. Attended webinar on “SARS-COV-2: Virus and health issues” organized by **Bethune college**, Kolkata on 12.06.2020.
2. Attended webinar on “COVID-19 Prevention and control in higher education institution” jointly organized by **Shibpur Dinobundhoo Institution (college)**, Shibpur, Howrah and Dr. Kanailal Bhattacharya college, Howrah on 13.06.2020.
3. Attended webinar on “COVID-19: Science and Reality” organized by **Narasinha Dutt college**, Kolkata on 13.06.2020.
4. Attended webinar on “Role of chromosome in plant taxonomy” organized by **VIVA College**, Virar, Maharashtra on 15th June 2020.
5. Attended a national webinar entitled “Herbal resources and its role in boosting immunity against COVID-19” organized by **Jiwaji University, Gwalior** on 15.06.2020.

6. Attended a webinar on “COVID 19: Economy, Polity and Social Media” organized by **Bethune college**, Kolkata on 19.06.2020.

7. Attended an International online Faculty Enrichment Programme on "Tips & Tricks for Publishing in International Scientific Journals organized by Department of Zoology, Chemistry, Botany & Physics, **Surendranath College** on June 20th, 2020.

8. Attended a two days International webinar series organized by **City College**, Kolkata on 20th and 21st June, 2020.

9. Attended a webinar organized by **Faculty of Science, Annamalai University** in collaboration with **ELSEVIER** on “Basic Author Workshop Research Article Writing & Reference Management Using Mendeley” on Monday, 22nd June 2020.

10. Attended an International online webinar on "Prevention and control of vector borne disease amidst COVID 19” organized by IQAC, **Surendranath College** on June 24th, 2020.

11. Attended webinar on “Current Trends in Basic Sciences and Career Opportunities”

organised by Department of Botany, Chemistry and IQAC, **Balurghat Mahila Mahavidyalaya** from **June 25 to 26, 2020**.

12. Attended a **5 days online International faculty development programme** organized by **IARA in association with Barrackpore Rastraguru Surendranath College and Panihati Mahavidyalaya** from 25th-29th June, 2020.

13. Attended a webinar in ‘Sir J. C. Bose Annual Memorial Lecture’, organized by IQAC in collaboration with Departments of Microbiology & Botany, **Raidighi College** on 26.06.2020.

14. Attended a webinar on “Covid-19: facts and facets” organised by IQAC, **Sarat Centenary college** on 26 June, 2020.

15. Attended an International Webinar on “COVID 19: Emerging Challenges and Capacity Building” on 26th and 27th June, 2020 organized by **I.Q.A.C., Bangabasi Morning College**.

16. Attended a RUSA sponsored National webinar on ‘*Biofacet-Plant Health Management*’

held by Department of Microbiology and Biotechnology, **Chikitsak Samuha’s Sir Sitaram & Lady Shantabai Patkar College of Arts & Science and V. P. Varde College of Commerce & Economics**, Mumbai on 29th June, 2020.

17. Attended a webinar entitled “Plant biotechnology and its application” organized by **Gurudas College** on 29.06.2020.

18. Attended a webinar on “Recent Advances in Biology” organized by Department of Botany, **Lady Brabourne College**, Kolkata on 30.06.2020.

19. Attended a national webinar entitled “Potentials of Indian medicine and herbs against Covid 19 and ways to combat the mental trauma arising in this pandemic scenario”, organized by Department of Botany in association with IQAC, **Malda College**, Malda

on 1st July, 2020.

20. Attended a webinar series on “COVID 19: An Enigma” organized by Department of Microbiology, **Lady Brabourne College**, Kolkata on 1st, 2nd, 4th and 5th July, 2020.

21. Attended an International webinar "COVID-19: Through the Eyes of Young Researchers" organized by Department of Zoology, Chemistry, Botany & Physics, **Surendranath College** on July 3rd & 4th, 2020.

22. Attended a national webinar series entitled “Science amidst Covid Pandemic: Life Goes On.....” organized by department of Microbiology, **Sammilani Mahavidyalaya in collaboration with IQAC and department of Microbiology, Raidighi College** on 15th and 16th, 17th and 21st July, 2020.

23. Attended a national webinar series entitled “Life in the Universe and Diversity” organized by department of Botany in collaboration with IQAC, **Ranaghat College** on 15th and 16th July, 2020.

24. Attended a national webinar on “Tropical Cyclones: Lessons learnt from Amphan” organized by **Narasinha Dutt college**, Kolkata on 17.07.2020.

25. Attended a state level webinar on “Choosing Plants for Future Urban Population: Let’s Think Smart” organized by **Shibpur Dinobundhoo Institution (college)**, Shibpur, Howrah on 21.07.2020.

Workshops

1. Attended a workshop on **B.Sc. Practical Syllabus (Algae and Fungi)** organized by **Probir Chatterjee Research Foundation** in collaboration with **CAS, Department of Botany, University of Calcutta** on 1.08.2018.

2. Attended a **workshop on Semesterized CBCS syllabus in Botany (Honours and General), C.U** organized jointly by UGBOS in Botany and Deptt. Of Botany, C.U. on 23.06.2018.

3. Attended a workshop on **Intellectual Property Rights** organized by Patent Information Centre, West Bengal State Council of Science and Technology, DST and Bengal College of Engineering and Technology on 30.03.2011.