

**Name** : **Dr. Sayantani Das**  
**Nationality** : Indian  
**Language Proficiency** : Bengali, English & Hindi (Read, Speak, and Write)  
**Address for Correspondence** : Department of Botany  
Netaji Nagar Day College  
170/436, N.S.C. Bose Road  
Gandhi Colony, Netaji Nagar  
Kolkata, West Bengal 700092  
E-mail:das.sayantani2006@gmail.com

**Current Status:** **Assistant Professor**  
Department of Botany  
Netaji Nagar Day College  
Netaji Nagar, Kolkata 700092

**Educational Qualifications:**

| <b>Degree</b>                                    | <b>Year</b> | <b>Board / University</b>                         | <b>Subjects Taken</b>   |
|--|-------------|---|---|
| <b>Ph.D. Degree</b>                              | 2015        | University of Calcutta                            | Phytolith spectra in non-grass plant communities of sunderbans, west bengal and its significance in coastal climatic reconstruction |
| <b>Ph. D. Course work Examination</b>            | 2011        | University of Calcutta                            | Botany  |
| <b>M.Sc.</b>                                     | 2006        | University of Calcutta                            | Botany (Specialization in Palaeobotany and Palynology)  |
| <b>B.Sc. Botany Hons.</b>                        | 2004        | University of Calcutta                            | Botany (Hons.), Zoology, Chemistry, Environmental Studies (Compulsory additional)   |
| <b>Higher Secondary (Class 12<sup>th</sup>)</b>  | 2001        | West Bengal Council of Higher Secondary Education | Bengali, English, Physics, Chemistry, Biology, Mathematics  |
| <b>MadhyamikPariksha (Class 10<sup>th</sup>)</b> | 1999        | West Bengal Board of Secondary Education          | Bengali, English, Mathematics, Life Science, Physical science, Geography, History, Logic(additional)                                |

### **Awards/Achievements:**

1. Qualified **GATE, 2007**
2. **Fellowships:**
  - **Project fellow** in a UGC funded UPE(University Potential for Excellence) Project. November, 2007- November, 2009.
  - **JRF** in a UGC funded RFSMS (Research Fellowship in Sciences for Meritorious Students) programme. December, 2010 - December, 2012.
  - **SRF** in a UGC funded RFSMS (Research Fellowship in Sciences for Meritorious Students) programme. January, 2013 - March, 2014.

### **Teaching Experience: 21<sup>st</sup> December, 2016 – Till date**

#### **Subjects Taught in College (Year Wise Detail):**

##### **Year 2017:**

- a) Paper II A (Palaeobotany and Palynology, Embryology)
- b) Paper III (Pteridophytes, Gymnosperms)
- c) Paper IV B (Practical)
- d) Paper V (Pharmacognosy)
- e) Paper VI (Cell Biology, Plant Breeding)

##### **Year 2018:**

- a) Paper II A (Palaeobotany and Palynology, Embryology)
- b) Paper III (Pteridophytes, Gymnosperms)
- c) Paper IV B (Practical)
- d) Paper V (Pharmacognosy)
- e) Paper VI (Cell Biology, Plant Breeding)

#### **Research Experience:**

- **November, 2007-November, 2009:** Project fellow, Department of Botany, University of Calcutta.  
Project: "Molecular characterization of some Indian species of *Selaginella*".
- **December, 2009- March, 2014:** Research fellow, Palaeobotany-Palynology Laboratory, Department of Botany, University of Calcutta.  
Topic: "Phytolith spectra in non-grass plant communities of Sunderbans, West Bengal and its significance in coastal climatic reconstruction".

**Area of Research:** Palaeobotany

#### **Research Oriented Publications in Journals/Books/Chapter of Books:**

##### **Journals:**

1. **Sayantani Das**, Ruby Ghosh and Subir Bera. (2013). Phytolith spectra in respiratory aerial roots of some mangrove plants of the Indian Sunderbans and its efficacy in ancient deltaic environment reconstruction. *Quaternary International (Elsevier)*. p. 1-18. **Impact factor: 2.44**

2. **Sayantani Das**, Ruby Ghosh, SubirBera. (2013). Application of non-grass phytoliths in reconstructing deltaic environments: a study from the Indian Sunderbans. *Palaeogeography, Palaeoclimatology, Palaeoecology (Elsevier)*.376, p. 48-65. **Impact factor: 3.03**
3. **Sayantani Das**, MaumitaBandyopadhyay and SubirBera.(2012). Optimization of protocol for isolation of genomic DNA from leaves of *Selaginella* species suitable for RAPD analysis and study of their genetic variation. *American Fern Journal*. Vol 102, p. 47-54. **Impact factor: 0.58.**

#### Conferences / Seminars Attended / Participated:

|                        | <b>International<br/>(Number)</b> | <b>National (Number)</b> | <b>State/University<br/>(Number)</b> |
|------------------------|-----------------------------------|--------------------------|--------------------------------------|
| <b>Paper Presented</b> | <b>1</b>                          | <b>2</b>                 |                                      |
| <b>Participated</b>    |                                   |                          | <b>1</b>                             |

#### Paper Presented:

1. **Sayantani Das** and SubirBera, 2011. Globular phytolith production pattern in mangrove non-grass plant communities of Indian Sunderbans. In:Plant diversity and resources: Evolution, Analyses, Stress and Challenges and Palaeophytodiversity: Its Aspects and Prospects” organized by Botanical Society of Bengal in collaboration with Centre of Advanced Study, Department of Botany, University of Calcutta, pp.89.
2. **Sayantani Das** and SubirBera, 2012. Records of phytoliths from flowers and fruits of some mangrove taxa of Indian Sunderbans. In: “Acharya P C Ray National Young Scientist’s Conference” (organized by Presidency University, Calcutta University and Vivekananda Vijnana Mission), pp.143.
3. Madhab Naskar,Ruby Ghosh, Dipak Parua, **Sayantani Das**, MG Yadava, Yi-Feng Yao, Cheng-Sen Li and SubirBera, 2018.Efficacy of grass phytoliths in discriminating deltaic sub-environments of Indian Sunderbans: implications in late Quaternary environment reconstruction. EPPC 2018, Frontiers in Earth Science (Palaeontology), Nature Publishing Group. (Abstract accepted).

#### Participated:

1. Participated in the seminar on Cryptogamic Botany and 4<sup>th</sup>ProbirChaterjee Memorial Lecture on 23<sup>rd</sup> November, 2007 at Kolkata.

#### Workshops Attended:

1. Taxonomy of Vascular Plants: Principles & Practices. Organized by the Department of Botany, University of Calcutta on and from 5th to 12th March -2018.

#### Memberships in any organization/society:

1. Member of Botanical Society of Bengal