



**Dr. Parimal Mandal**  
**Assistant Professor of Botany**

**Academic Qualifications:**

M.Sc., Ph.D.

**Contact Address:**

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Office Address: Dept. of Botany, Raiganj University, Raiganj, Uttar Dinajpur, Pin-733134

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**Research Interest:**

Plant Immunology for disease diagnosis and induction of resistance, SAR and ISR

Macro fungal diversity and its potential for human welfare

Integrated management of pest and pathogen of crop plants

Cultivation of wild type mushroom

**Specialization:**

Mycology and Plant Pathology

**Conference/Seminar/Organization:**

1. Microbes to higher Plants for Human Health and Society in the post Genome era. 2013
2. "Raiganj University: Challenges & Opportunities" 2016
3. Current Trends in Plant and Microbial Research 2016
4. Man and Microbes 2016
5. Current Trends in Plant and Microbial Research 2017

Teaching Experience:

- 10 Years

**Completed Research Projects:**

- CSIR Ad-hoc Project: Studies on defense related enzymes in young tea (*Camellia sinensis*) plants after compatible and incompatible infection with *Botryodiplodia theobromae* and other pathogens” from April 1<sup>st</sup> , 2002 to March 31<sup>st</sup> , 2006.
- UGC Minor Research Project: “Workshop, promotion and sustainable development of mushroom cultivation for rural woman and youths” from 25th January, 2012 to 24<sup>th</sup> January 2014.

**Previous & Present Employment:**

- Assistant Professor in the Dept. of Botany, Raiganj University from 03/02/2015 to till date
- Assistant Professor in the Dept. of Botany, Raiganj College (University College) from 02/12/2014 to 02/02/2015
- Assistant Professor in the Dept. of Botany, Shyampur Siddheswari Mahavidyalaya, Howrah from 09/11/2016 to 01/12/2014

**Administrative Experience:**

- Member of Governing Body, Shyampur Siddheswari Mahavidyalaya, Howrah
- Member of Finance Committee, Shyampur Siddheswari Mahavidyalaya, Howrah
- Coordinator of Remedial Coaching for SC, ST, OBC and Minorities (Creamy Layer) at Shyampur Siddheswari Mahavidyalaya, Howrah.
- Head, Dept. of Botany, Shyampur Siddheswari Mahavidyalaya, Howrah
- Hostel Warden, Shyampur Siddheswari Mahavidyalaya, Howrah

**Publications:**

6 (six) publications of national and international importance

Books: 01 (One ) Book

Mushroom Cultivation by Dr. Parimal Mandal and Susanta Kumar Mandal

**LIST OF PUBLICATIONS:**

- P. Mandal (2016). *Hydrodictyon reticulatum* (L.) Large Family Hydrodictyaceae), a newly reported rare water-net causing nuisance role in paddy field and irrigation ditches at Balurghat Sub-division of West Bengal (India), Progressive Publishers, 37A, College Street, Kolkata-73117-125
- A. Saha, P. Mandal, S. Dasgupta and D. Saha (2008). Influence of culture media and environmental factors on mycelia growth and sporulation of *Lasiodiplodia theobromae* (Pat.) Griffon and Maubl. *Journal of Environmental Biology*, **29 (3)**: 407-410.
- A. Saha, S. Dasgupta, P. Mandal and D. Saha (2008). Influence of culture media and environmental factors on mycelial growth, sporulation and spore germination behavior of *Curvularia eragrostidis* (P. Hennings) Mayer. *NBU Journal of Plant Science*, 2:77-85.
- A. Saha, S. Dasgupta, P. Mandal and D. Saha (2005). Reduction of Disease Incidence in Young Tea Plants against *Curvularia eragrostidis* by Biotic and Abiotic Elicitors. *Stress Biology*, Usha Chakraborty and Bishwanath Charbororty. *Narosa Publishing House*, New

Delhi, India.238-242

- A. Saha, P. Mandal, S. Dasgupta and D. Saha (2007). Plant extract induced chitinase activity in tea seedlings challenged with *Lasiodiplodia theobromae*, causal pathogen of diplodia disease. International Conference on Integration of Science and Technology for Sustainable Development, Bangkok, Thailand..122-128
- A. Saha, P. Mandal, S. Dasgupta and D. Saha (2007) Screening of tea varieties for susceptibility to *Lasiodiplodia theobromae* by serological techniques and induction of resistance by botanicals. XVI International Plant Protection Congress. Scottish Exhibition and Conference Centre, Glasgow, Scotland, U.K.*Congress Proceedings. 2:* 716-17

RESEARCH PAPERS :06

National:02

International: 04