

Name: Prof. Subrata Mondal

Designation: Professor of Botany

Qualification: M.Sc, Ph.D



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Teaching Experience:

17 years

Research Experience:

25 years

Research areas/Interest:

Taxonomy & Floristic; Palynology & Plant Reproductive Biology.

Awards and Honours:

1. **Best paper presentation** in the 16th national conference on Aerobiology, held at Davangere, Karnataka; 19-21 Nov.2010
2. **Member – ICPBR (International Commission on Plant-Bee Relations), Canada.**

Sanctioned Project:

Title	Sponsoring Agency	Sanctioned amount
“Pollination ecology of some species of Euphorbiaceae”	UGC	Rs. 11,65,800/-

Significant publications:

1. **Mondal, S.**, Bhattacharya, K.N. and Mandal, S. (1992). Floral biology, pollen production and dispersal in *Morus indica* L. and *Peltophorum innerme* (Roxb.) Llanos. **Journal of Palynology**, 28 : 137-142.
2. **Mondal, S.**, Bhattacharya, K.N. and Mandal, S. (1997). Observation on pollen anthesis and dispersal of certain angiosperms. **In Aerobiology (Ed. S.N. Agashe) Oxford & IBH Pub. Co. Pvt. Ltd., New Delhi**, pp. 401-405.
3. **Mondal, S.**, Bhattacharya, K.N. and Mandal, S. (1997). Floral Biology and Pollen dispersal in *Azadirachta indica* Juss. (Meliaceae) and *Lagerstroemia speciosa* (Lin. ex Murray) Pers. (Lythraceae). **In Environment and Aerobiology (Ed. A.K. Jain), Research periodical and book publishing house, Texas, USA**, pp. 75-80.
4. **Mondal, S.**, Bhattacharya, K.N. and Mandal, S. (1997). *In vitro* pollen germination in *Morus indica* L. **Sericologia, France**, 37(2) : 349-352.
5. Bhattacharya, A., **Mondal, S.** and Mandal, S. (1997). Aeropalynological study of some angiospermic plants. **J. Nat. Bot. Soc.**, 51 : 83-86.
6. Mondal, N., **Mondal, S.** and Mandal, S. (1998). Enumeration of aquatic angiosperms of Purulia district, West Bengal. **Environ. Ecol.**, 16(1) : 95-100.
7. Bhattacharya, A., **Mondal, S.**, and Mandal, S. (1999). Entomophilous Pollen incidence with reference to atmospheric dispersal in Eastern India. **Aerobiologia, Kluwer Aca. Pub., The Netherlands**, 15 : 311-315.
8. Mondal, A.K., **Mondal, S.**, and Mandal, S. (1998). Pollen production in some plant taxa with a supposed role in allergy in Eastern India. **Aerobiologia, Elsevier Sci. Pub. Ltd., Ireland**, 14 : 397-403.
9. Bhattacharya, A., **Mondal, S.** and Mandal, S. 2004. Localisation of Esterase on the Stigma of Three Angiospermic Taxa. **Phytomorphology**, 54 (3&4): 169 – 174.
10. Bhattacharya, A., **Mondal, S.** and Mandal, S. (2005). Pollinating agents of *Eucalyptus citriodora* Hook. Insects or Wind? **Asian J. Plant Sci.**, 4 (5): 492 – 495.
11. Choudhury, S., **Mondal, S.** and Mandal, S. (2008). Stigma receptivity of *Pentapetes phoenicea* Linn. with reference to esterase activity. **Sci.& Cult.** 74 (11-12), 463-465.
12. Biswas, P., Pal, J.K. and **Mondal, S.** (2011). Diversity, Productivity and uses of non-cultivated wild edible plants of the district South Dinajpur, West-Bengal. **Wesleyan journal of research**. 4 (2), 6-19.
13. Choudhury, S., **Mondal, S.** and Mandal, S. (2011). Stigma receptivity of *Rauvolfia serpentina* (Linn.) Benth. Ex. Murz with reference to esterase and peroxidase activity. **J. Palynol.** 47: 35-39.
14. Biswas, K., **Mondal, S.** and Mandal, S. (2012). Floral Biology And Pollen Dispersal of *Croton bonplandianum* Baill. (Eds.: Maiti. G. and Mukherjee. S.) **Multidiplinary Aproaches in Angiosperm Systematics**. 2: 756-761.

15. Choudhury, S., **Mondal, S.** and Mandal, S. (2012). "Studies on *In Vitro* Pollen germination of *Rauvolfia serpentina* (L.) Berth.ex.Murz." in '**Biology of Plants and Microbs**' (eds. Bose and Roy). Sarat Impression Pvt Ltd, Kolkata - 73 . 156-161.
16. Biswas, P. and **Mondal, S.** (2012). Ethnobotanical investigation of wild edible plants of arambagh sub-division of Hooghly district, West Bengal, India. **Life sciences Leaflets.** 8:54-61
17. **Mondal, S.** and Ghanta, R. (2012). Studies on *In Vitro* Pollen germination of *Lawsonia inermis* Linn. **Advances in Bioresearch.** Vol. 3 (3): 63-66.
18. Choudhury, S., **Mondal, S.** and Mandal, S. (2012). Studies on esterase and peroxidase activity of *Carissa carandas* Linn. in relation to Stigma receptivity. **International Journal of Current Research.** 4 (9): 61-62.
19. Choudhury, S., **Mondal, S.** and Mandal, S. (2013). Studies on *In Vitro* Pollen germination of *Carissa carandas* Linn. **Sci.& Cult.** 79 (1-2): 128-130.
20. Biswas, K. **Mondal, S.** and Mandal, S. (2013) Floral Biology and pollination of *Solanum sisymbriifolium* Lamk. **International Journal of Current Research.** 5 (6). 1429-1433.
21. Ghanta, R. and **Mondal, S.** (2013). *In Vitro* studies on pollen germination of *Abroma augusta*. **Advances in pollen spore research.** 30. 61-68.
22. Biswas, K. **Mondal, S.** and Mandal, S. (2014). Studies on in vitro pollen germination of *Crotalaria sericea* Retzius (Fabaceae). In-**Diversity and conservation of plants and traditional knowledge** (Eds: Panda, S and Ghosh, C.). Bishen Singh Mahendra Pal Singh. Dehra Dun. 223-226.
23. Biswas, P. and **Mondal, S.** (2014). Impact of sucrose and boric acid on *in vitro* pollen germination of *Ceiba pentandra* L. **Indian Journal of Applied and Pure Biology.** 29 (2). 323-329.
24. Dutta Mudi, M and **Mondal, S.** (2014). Studies on *in vitro* pollen germination of *Phyllanthus reticulatus* Poir. **Indian Journal of Fundamental and Applied Life sciences.** 4 (3) 367-373
25. Dutta Mudi, M and **Mondal, S.** (2014). Influence of some nutrients on *in vitro* pollen germination of *Ricinus communis* L. **Cibtech Journal of Bio-Protocols.** 3 (3) 15-20.

Patents /Any other achievements:

1. Reviewer: Journal of Tropical Forest Sciences, Kuala Lumpur, Malaysia
2. Member of Editorial board: Indian Journal of Plant sciences (ISSN-2319-3824)

Lab members:

8 (Eight)