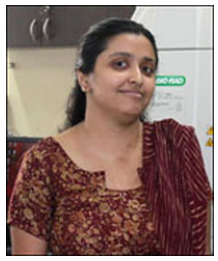

Dr. Madhuvanti Chaterjee

Designation- Assistant Professor

Qualification- M.Sc., Ph.D.

Title of Ph.D. Thesis, Institution & Year:

Title: - "Towards characterization and understanding of mechanism of induction of some promising gene(s) of Sinapis alba L. on infection with the fungal pathogen Alternaria brassicicola"

Institute: Bose Institute / Jadavpur University, Kolkata, India

Year**:** 2012

Brief Introduction- She did her Graduation and Master from University of Calcutta with 1st Class position. She did her Ph.D. from Jadavpur University but working place was Bose Institute**.** She has joined at Maulana Azad College under West Bengal Education Service in Nov. 2015. She is the course instructor for Genetics, Cell and Molecular Biology, Biochemistry, Microbiology and Anatomy in the Department of Botany, at Maulana Azad College, Kolkata.

Current Teaching Topics–

Microbiology, Plant anatomy, Biochemistry, Plant molecular biology, Plant Biotechnology and Cytogenetics.

Experience –

Research Experience: 10+ Years. Worked in the Division of Plant Biology, Bose Institute and the Department of Biochemistry, University of Calcutta

Teaching Experience: She has joined the Department of Botany, Maulana Azad College in November, 2015

Research Interest –

Area of research has been the Plant Microbe Interaction. My research work includes plant molecular biology, plant biotechnology and molecular plant pathology.

Research linking with Other Institutes/Universities

- Bose Institute, Kolkata
- Department of Biochemistry, University of Calcutta

Completed Projects with Funding Agency-

- 2016-2019: Principal Investigator "Transcript reprogramming in response to rhizobial infection: focus on CYCLOPS"; File No. YSS/2014/000104, DST-SERB-YSS Project

Selected Recent Publications –

Journal Papers:

- **Chatterjee, M**., Mazumder, M., and Basu, D. Functional analysis of the promoter of a Glycosyl Hydrolase gene induced in resistant *Sinapis alba* by *Alternaria brassicicola*. **Phytopathology.** 2013 Aug; 103(8): 841-50. (doi: 10.1094/PHYTO-11-12-0303-R). **Selected for the Cover Page**.

- Mazumder, M., Das, S., Saha, U., **Chatterjee, M**., Banerjee, K., and Basu, D. Salicylic acid-mediated establishment of the compatibility between *Alternaria brassicicola* and *Brassica juncea* is mitigated by abscisic acid in *Sinapis alba.* **Plant Physiology and Biochemistry.** 2013; Sep; 70: 43-51.

Seminar/Conference Presentations/Participation –

1. Participated in University level workshop on "A Revisit to the Teaching Learning Methodologies in Environmental Studies" organized by Netaji Nagar College for Women, Kolkata on 27/02/2019.
2. International Symposium on "Insight to Plant Biology in the Modern era" organized by Division of Plant Biology, Bose Institute, Kolkata on Feb. 10, 2017.
3. 3 International level Seminar entitled "Recent trends in Microbiology" organized by the Deptt. of Microbiology, Ramkrishna Mission Vidyamandira, Belur on 14th Jan. 2017.

Awards/Recognitions/Invited Talks-

- Junior Research Fellowship (JRF**)** from the Council of Scientific and Industrial Research**, (CSIR-NET) Government of India**
- Graduate Aptitude Test in Engineering **(GATE) - Conducted by Indian Institutes of Science (IISc) and Indian Institutes of Technology (IITs) -** Percentile score 94.09

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