

CURRICULUM VITAE

DR. PRANAB GIRI

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DESIGNATION

Associate Professor of Botany, Dum Dum Motijheel College, Kolkata-700074.

ACADEMIC BACKGROUND

- Ph.D. (Botany), University of Kalyani, West Bengal, 2006.
- M.Sc. (Botany: Specialization in Microbiology), University of Calcutta, West Bengal, 1997.
- B.Sc. (Botany), Surendranath College (University of Calcutta), West Bengal, 1995.

POSITIONS HELD/ HOLDING

- 2014–Present : Associate Professor, Dum Dum Motijheel College
- 2001–2014 : Assistant Professor, Dum Dum Motijheel College

TEACHING INTEREST

- Biotechnology, Environmental Microbiology.

RESEARCH PROFILE

COMPLETED RESEARCH PROJECTS:

- **Major Research Project on:** Studies on medicinal and aromatic Plants of North 24-Parganas district and documentation of status, habitat and local uses of plant species (2006-2009). Funded by West Bengal State Council of Science and Technology (WBSCT).
- **Minor Research Project on:** Survey & assessment of *Ocimum* germplasms with special ref. to their antimicrobial properties and tissue culture for conservation (2003-2004). Funded by University Grants Commission (UGC).

PUBLICATIONS:

Journal Paper:

1. **Giri, P.** (2019): Phytochemical Analysis of *Ocimum americanum* Linn. with Special Reference to the Impact of In vitro Flowering on the production of Aromatic Compounds. *Journal of Biological and chemical Chronicles*, 5(1): 38-42.
2. Biswas, K., Nayek, A.K., Basu, J., Ghosh, A. and **Giri, P.** (2017): Are mobile radiations harmful for bacteria? A case study, *International Journal of Advanced Research*, 5(7): 2320-5407.
3. **Giri, P.** (2017): Evaluation of bioprospective Potentialities of Phyllosphere Microbial Diversity & Effect of Electromagnetic Irradiation Stress on their Survival – A Review. *International Journal of Pharma and Bio Sciences*, 8(3): 817-829.
4. **Giri, P.** (2017): Evaluation of the potentialities of the essential oil of *Ocimum gratissimum* Linn. toward environmental and industrial perspectives through microbial exploitation. *Current Botany*, 8: 110-116.
5. **Giri, P.** (2017): Morphological and Phytochemical Analysis of *Ocimum gratissimum* Linn. – A Potential Source of Natural Eugenol. *International Journal of Pharma and Bio Sciences*, 8(2): 415-423.
6. **Giri, P.** (2016): Bioprospective Potentiality of Essential oil of *Ocimum gratissimum* Linn.- An Innovative Approach for Fruit Preservation, *IOSR Journal of Pharmacy and biological Sciences*, 4(11): 01-05.

7. Biswas, K., Basu, J., Ghosh, A. and **Giri, P.** (2016): Study of rhizospheric bacterial population of *Azadirachta Indica* (Neem) of North 24 Parganas district of West Bengal for bioprospective consideration, *International Journal of Experimental Research and Review*, 6: 62-66.
8. **Giri, P.** (2015): Evaluation of Bioprospective potentiality of *Ocimum gratissimum* Linn. through microbial exploitation – an innovative approach for environmental fragrance development. *Journal of Mycopathological Research*, 53(1):119-122.
9. **Giri, P.**, Ghosh, P.D. and Mukherjee, S.K. (2013): Effect of leaf extract and volatile oil of *Ocimum* on the growth of some selected phytopathogens – a novel approach for biocontrol of plant diseases. *Journal of Mycopathological Research*, 51(1): 107-112.
10. **Giri, P.**, Ghosh, P.D., and Mukherjee, S.K. (2012): Morphological and phytochemical analyses of *Ocimum kilimandscharicum* Guerke.- a potential source of natural camphor., *Journal of Botanical Society of Bengal*, 66(2): 97-103.
11. **Giri, P.**, Ghosh, P.D. and Mukherjee, S.K. (2006): Survey and assessment of *Ocimum sanctum* germplasm with special reference to its antimicrobial property and tissue culture for conservation. *Perspectives in Cytology and Genetics*; 12: 431-437.
12. **Giri, P.**, Ghosh, P.D. and Mukherjee, S.K. (2004): Tissue culture study of three species of *Ocimum*, *Perspectives in Cytology and Genetics*, 11: 151-158.
13. Manna, A., **Giri, P.** and Paul, A.K. (1999): Degradation of poly (3-hydroxybutyrate) by soil streptomycetes. *World Journal of Microbiology and Biotechnology*, 15: 705-709.

Book Chapter:

1. **Giri, P.** (2018): Production of Industrially important novel compound from the essential oil of *Ocimum* through microbial exploitation. In the Proceedings of National Seminar on Conservation and Sustainable use of Medicinal and Aromatic Plants (Organized by Dept. Of Forestry; Mizoram university 2018). [In Press].
2. **Giri, P.**, Ghosh, P.D. and Mukherjee, S.K. (2012): Biosynthetic potential of In vitro grown plants of *Ocimum kilimandscharicum* Guerke., *Biodiversity Conservation: Fundamentals and Applications*; 107-109' ISBN : 978-93-80663-57-9.
3. **Giri, P.**, Ghosh, P.D. and Mukherjee, S.K. (2007): In vitro conservation and assessment of *Ocimum gratissimum*, a potential source of eugenol., *Medicinal and aromatic plants for economic benefit of rural people (MAPER)*, Ramakrishna Vivekananda Mission Institute of Advance Study, 1:74-79

Book:

- প্রারম্ভিক উদ্ভিদবিদ্যা: Vol I (2012), Vol II (2014) and Vol III (2017) for Degree Students in Botany, Santra Publication Pvt. Ltd.
- স্নাতক উদ্ভিদবিদ্যা: Vol I (2017), Vol II (2018) and Vol III (2019) for Degree Students in Botany, covering syllabi of CBCS of different Universities of West Bengal and Tripura, Santra Publication Pvt. Ltd.

NUMBER OF SEMINAR PRESENTATIONS:

- International: **6**; National: **11**