

Dr. Pranab Giri M.Sc. Ph.D. B.Ed.

Associate Professor

Department of Botany

Kolkata:700074; W.B., India.

Academics:

Sl. No.	Institution place	Degree Awarded	Year	Field of Study
1.	Kalyani University	Ph.D.	2006	Tissue culture and biotechnology
2.	Calcutta University	M.Sc.	1997	Botany (Specialization in Microbiology)

Research Publications:

1. **Pranab Giri**, Ghosh, P.D., Mukherjee, S.K., Tissue culture study of three species of *Ocimum*. Perspectives in cytology and genetics **2004** (Eds G. K. Manna and S. C. Roy, AICCG Publ.), 11: 151-158.
2. Mna, A., **Pranab Giri**. and Paul, A.K., Degradation of poly(3-hydroxybutyrate) by soil Streptomyces. World journal of Microbiology & Biotechnology **1999**, 15: 705-709.
3. **Pranab Giri.**, Ghosh, P.D., Mukherjee, S.K., Survey and assessment of *Ocimum sanctum* germplasm with special reference to its antimicrobial property and tissue culture for conservation. Perspectives in cytology and genetics **2006** ; 12 : 431-437.
4. **Pranab Giri.**, Ghosh, P.D., Mukherjee, S.K., *In vitro* conservation and assessment of *Ocimum gratissimum*, a potential source of eugenol., Medicinal and aromatic plants for economic benefit of rural people (MAPER), Published by Ramakrishna Vivekananda Mission Institute of Advance Study **2007**,1:74-79
5. **Pranab Giri.**, Ghosh, P.D., Mukherjee, S.K., Biosynthetic potential of In vitro grown plants of *Ocimum kilimandscharicum* Guerke., Biodiversity Conservation ; Fundamentals and Applications, **2012** ; 107-109' ISBN : 978-93-80663-57-9.
6. **Pranab Giri.**, Ghosh, P.D., Mukherjee, S.K., Morphological and phytochemical analyses of *Ocimum kilimandscharicum* Guerke.- a potential source of natural camphor.,J. Botan. Soc. Bengal **2012**; 66(2):97-103.
7. **Pranab Giri.**, Ghosh, P.D., Mukherjee, S.K.,Effect of leaf extract and volatile oil of *Ocimum* on the growth of some selected phytopathogens – a novel approach for biocontrol of plant diseases. J. Mycopathol. Res.**2013**; 51(1): 107-112.

8. **Pranab Giri.**, Evaluation of Bioprospective potentiality of *Ocimum gratissimum* Linn. Through microbial exploitation – an innovative approach for environmental fragrance development. J. Mycopathol. Res. **2015**;53(1):119-122.
9. K.Biswas., J.Basu, A.Ghosh, **Pranab Giri.***, Study of rhizospheric bacterial population of *Azadirachta indica* (Neem) of North 24 Parganas district of West Bengal for bioprospective consideration. Int.J. Exp.Rev., **2016**; (6) 62-66.(* Corresponding Author).
10. **Pranab Giri.**, Bioprospective Potentiality of Essential oil of *Ocimum gratissimum* Linn.- An Innovative Approach for Fruit Preservation. IOSR Journal of Pharmacy and biological Sciences (IOSR-JPBS). **2016**; 4(11): 01-05.
11. Biswas, K.,Nayek,A.K.,Basu, J.,Ghosh, A., **Pranab Giri.*** Are Mobile Radiations Harmful for Bacteria ? A case Study. Int, J. Adv. Res. **2017**;5(7) : 1624-1629(* Corresponding Author).
12. **Pranab Giri.**, Evaluation of bioprospective Potentialities of Phyllosphere Microbial Diversity & Effect of Electromagnetic Irradiation Stress on their Survival – A Review. Int. J. Pharma Bio Sci. **2017** July; 8 (3): (B) 817-829.
13. **Pranab Giri.**, Evaluation of the potentialities of the essential oil of *Ocimum gratissimum* Linn. toward environmental and industrial perspectives through microbial exploitation. Curr. Bot. **2017**;(8) 110-116.
14. **Pranab Giri.**, Morphological and Phytochemical Analysis of *Ocimum gratissimum* Linn. – A Potential Source of Natural Eugenol. Int. J. Pharm. Bio Sci. **2017**;8(2): 415-423.
15. **Pranab Giri**, G. Das, J. Basu, N. Banerjee & H. Saha, **2019** 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), ISBN: 9788170196525; Page 317-325.
16. **Pranab Giri.**, Phytochemical Analysis of *Ocimum americanum* Linn. with Special Reference to the Impact of In vitro Flowering on the production of Aromatic Compounds. J.Biol.Chem.Chron. **2019**; 5(1) : 38-42.
17. **Pranab Giri**, Effect of agronomic traits on the production of essential oil including some of its major constituents of *Ocimum americanum* linn. in the perspective of

some selected districts of West Bengal (india). Journal of botanical Society of Bengal. **2021**; 75(1) : 52-61.

18. **Pranab Giri**, Basu J, Saha H, Biswas K, Bhowmik P. Bioprospective potential of a novel *Bacillus* strain isolated from the rhizosphere of *Azadirachta indica* Linn. Journal of mycopathological research, **2022**; 60(1): 111-116.
19. Ghosh N, Bhowmik P, **Giri P**, Ganguly A. Current status of biological degradation of plastics by fungi: A review, J. Mycopathol. Res. **2022**;60(3) : 299-305.
20. Basu J, **Giri P**, Kundu A & Bhowmik P., Isolation and characterization of 3rd generation cephalosporin resistant Gram positive bacteria from urban environmental soil of West Bengal, India, J. Mycopathol . Res. **2022** ; 60(3) : 395-399.
21. **Pranab Giri**, Novel corona virus er Mohamari: Bhobishyat., Jnan O Vigyan, **2021**; 74(9) :378-381.

Book Chapter:

01. **Pranab Giri.**, True to type plant regeneration of *Ocimum gratissimum* Linn. Through in vitro technique, Chapter 13 (Page 151-161); Interdisciplinary Knowledge Series : Basic and Applied Sciences into Next Frontiers (The Aspects of Bio & Physical Sciences); New Delhi Publishers, New Delhi, ISBN:978-81-948993-0-3.

Books Published:

- Author of Text Book: **Prarambik Udvidbidya Vol I** for Degree Students (Bengali version) in Botany (2012), Santra Publication Pvt. Ltd. ISBN: 978-81-934651-7-2.
- Author of Text Book: **Prarambik Udvidbidya Vol II** for Degree Students (Bengali version) in Botany (2014), Santra Publication Pvt. Ltd. ISBN: 978-81-934651-8-9.
- Author of Text Book: **Prarambik Udvidbidya Vol III** for Degree Students (Bengali version) in Botany (2016), Santra Publication Pvt. Ltd. ISBN: 978-81-934651-9-6.
- Author of Text Book : **Snatak Udvidbidya Vol I** for Degree Students (Bengali version) in Botany (2012), covering syllabi of CBCS of different Universities of West Bengal and Tripura, Santra Publication Pvt. Ltd. ISBN: 978-93-86911-18-6.
- Author of Text Book : **Snatak Udvidbidya Vol II** for Degree Students (Bengali version) in Botany (2012), covering syllabi of CBCS of different Universities of West Bengal and Tripura, Santra Publication Pvt. Ltd. ISBN: 978-93-86911-38-4.
- Author of Text Book: **Snatak Udvidbidya Vol III** for Degree Students (Bengali version) in Botany (2012), covering syllabi of CBCS of different Universities of West Bengal and Tripura, Santra Publication Pvt. Ltd. ISBN : 978-93-86911-57-5.
- Author of Text Book : **Snatak Udvidbidya Vol IV** for Degree Students (Bengali version) in Botany (2012), covering syllabi of CBCS of different Universities of West Bengal and Tripura, Santra Publication Pvt. Ltd. ISBN:978-93-86911-78-0.
- Author of Text Book : **Snatak Udvidbidya Vol .V & VI (DSE)** for Degree Students (Bengali version) in Botany (2012), covering syllabi of CBCS of different

Universities of West Bengal and Tripura, Santra Publication Pvt. Ltd. ISBN:978-81-948683-2-3.

- Author of text book: **Fundamental BOTANY (CC-I)** for B.Sc (Hons) degree students , Santra Publication Pvt. Ltd.ISBN : 978-93-92426-19-3.
- Author of text book: **Fundamental BOTANY (Mycology and Plant Pathology)** for B.Sc degree students **NEP Major** , Santra Publication Pvt. Ltd.ISBN : 978-93-92426-65-0.
- Author of text book: **Snatak Udvidbidya (NEP Minor –II)** for B.Sc degree students, Santra Publication Pvt. Ltd.ISBN : 978-93-92426-40-7.
- Author of Self Learning Materials (SLM) of **Netaji Subhas Open University** on General Elective (GE -1) of BOTANY; 6 credit course.
- Author of Self Learning Materials (SLM) of **Netaji Subhas Open University** on BOTANY (HBT) DSE 01 (Unergraduate degree programme NEP).

Book Reviewed and Edited

Reviewer of the book: “Emerging Trends and New Horizons in: Applied Sciences”
Published by New Delhi Publishers; ISBN: 978-81-950753-3-1.

Editor of the book: Interdisciplinary Knowledge Series: Basic and Applied Sciences into Next Frontiers (The Aspects of Bio & Physical Sciences); New Delhi Publishers, New Delhi, and ISBN: 978-81-948993-0-3.

Ph. D. students guided and supervised: 01

Research Project Completed: 02 (One UGC sponsored and One DST, Govt. of West Bengal)

Paper presented in national and international seminar: 16

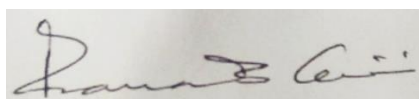
Invited Lecture: 03

Member of Scientific bodies: Life member of Indian mycological society, Indian Science congress and International foundation for environment and ecology.

Declaration:

I certify that the information provided above is accurate.

Full Signature



Date. 12.05.2025