



# BARASAT GOVERNMENT COLLEGE

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## TEACHER'S PROFILE

*DR ANURADHA BANDOPADHYAY, DEPARTMENT OF BOTANY*

- **DESIGNATION** : SACT-I
- **QUALIFICATION** : M.Sc., Ph.D.
- **DATE OF JOINING THE SERVICE** : Sep 1, 2007
- **DATE OF JOINING THE INSTITUTION** : Dec 1, 2007
- **ADDRESS FOR COMMUNICATION** : Plot-1, Mohanpur, Panchanantala, P.O. Sewli, Barrackpore (N 24 Parganas), Kolkata- 700121
- **PHONE NO** : 9433050139
- **EMAIL ADDRESS** : anuradha.bandopadhyay@bgc.ac.in
- **SPECIALIZATION** : Mycology and Plant pathology
- **TEACHING EXPERIENCE** : UG course from September 2007 and PG course from December 2007
- **COLLEGE SERVED** : (1) Faculty, Post Graduate Department of Botany, Barasat Govt. College (2007-Till date)  
(2) Former Part Time Lecturer, Department of Botany, Dum Dum Motijheel College, 1, Motijheel Avenue, Kolkata-700 074 (September 2007-April 2011)  
(3) Served as visiting faculty, Post Graduate Department of Botany, Lady Brabourne College, P-1/2, Suhrawardy Avenue, Kolkata-700017 (2017-2019)

<b>ACADEMIC AND ADMINISTRATIVE EXPERIENCE</b>	<ul style="list-style-type: none"> <li>Publication in journals-18, Book chapter-1. Abstracts/Full paper in Proceedings of Conference/ Seminar / symposia-24. Delivered training on relevant areas of biofertilizer and biopesticide to farmers and students from different universities (2006-2007). Research guidance in Master's level (2011-till date). Worked as paper setter and examiner for UG and PG courses in Botany under West Bengal State University and Calcutta University. Worked as trainer /examiner for UG courses in Botany under Netaji Subhas Open University. Worked as Head-project research in Sudharma Krishi Consultants (P) Ltd, IIT-Kharagpur and ICAR-NIRJAFT Incubated Company (2016-2017).</li> </ul>
<b>TOPICS TAUGHT</b>	<ul style="list-style-type: none"> <li>Mycology, Plant Pathology, Environmental and agricultural microbiology, Bryology, Fungal taxonomy, Techniques in mycology, plant pathology and microbiology</li> </ul>
<b>AREA OF RESEARCH &amp; INTEREST</b>	<ul style="list-style-type: none"> <li>Microbial biotechnology and molecular plant pathology including exploration and exploitation of plant growth promoting rhizobacteria (PGPR) and plant growth promoting fungi (PGPF) for plant disease management, growth promotion and their molecular mechanism. Study on the effect of pesticide</li> </ul>
<b>ONGOING PROJECT DETAILS</b>	<ul style="list-style-type: none"> <li>NONE</li> </ul>
<b>AWARD RECEIVED</b>	<ul style="list-style-type: none"> <li>1. Best Poster Presentation Award in National workshop on 'Genomics for Microbial Diversity and Taxonomy' organised by Department of Life Science, National Institute of Technology, Rourkela in 2019.</li> <li>2. Best Oral Presentation Award in International Symposium on 'Agriculturally Important Microorganisms: Conservation, Utilization, Bioremediation and Ecological Significance' organised by the Indian Mycological Society, Dept of Botany, University of Calcutta in 2006.</li> <li>3. Indian Science Congress Association (ISCA) Best Poster Presentation Award in Plant Sciences, 92nd Indian Science Congress in 2005</li> </ul>
<b>PATENT DETAILS</b>	<ul style="list-style-type: none"> <li>NONE</li> </ul>
<b>EXTRACURRICULAR ACTIVITIES</b>	<ul style="list-style-type: none"> <li>NONE</li> </ul>
<b>CAREER PROFILE</b>	<ul style="list-style-type: none"> <li>Graduated with Honours in Botany from Barasat Government College, University of Calcutta , 1999;</li> <li>Post Graduate in Botany with specialization in mycology and plant pathology from Presidency College and University of Calcutta, 2002; GATE qualified in 2003. Ph.D. in Botany in 2010 from University of Calcutta with doctoral research in the field of molecular plant pathology and microbial biotechnology. Worked as Senior Research Fellow (SRF) in ICAR Cess Fund project at Division of crop protection, Central Research Institute for Jute and Allied Fibres (CRIJAF), Barrackpore, West Bengal; as research scholar in Applied Mycology &amp; Molecular Plant Pathology Laboratory, Dept of Botany, University of Calcutta; research scholar in Mycology &amp; Plant Pathology Laboratory, Dept of Botany, Former Presidency College, Kolkata. Accomplished as Head-Project Research, Sudharma Krishi Consultants (P) Ltd, an IIT-Kharagpur and ICAR-NIRJAFT Incubated Company. Attended and presented research papers in numerous national and international conferences, and is a life member of several academic societies.</li> </ul>
<b>ACADEMIC LINK</b>	<ul style="list-style-type: none"> <li>1. ORCID iD: <a href="https://orcid.org/0000-0003-3685-4836">https://orcid.org/0000-0003-3685-4836</a></li> <li>2. Research gate: <a href="https://www.researchgate.net/profile/Anuradha-Bandopadhyay">https://www.researchgate.net/profile/Anuradha-Bandopadhyay</a></li> <li>3. Google Scholar link: <a href="https://scholar.google.com/citations?hl=en&amp;view_op=list_works&amp;gmla=AJsN-F5OxcxhsBDqsKyXgWkscCsXurEo5Zlh6OHcei6RbkQoQqCdvBizbk64kbrq0pGquB_M6d9UM0Ckobd24xJ3oPqTUUnFA&amp;user=Bew_OC0AAAAJ">https://scholar.google.com/citations?hl=en&amp;view_op=list_works&amp;gmla=AJsN-F5OxcxhsBDqsKyXgWkscCsXurEo5Zlh6OHcei6RbkQoQqCdvBizbk64kbrq0pGquB_M6d9UM0Ckobd24xJ3oPqTUUnFA&amp;user=Bew_OC0AAAAJ</a></li> </ul>

# PUBLICATION

## JOURNAL PUBLICATION :

- (1) 1. Bandopadhyay, A., Roy, T., and Das, N., 'Impact of pesticide tolerant soil bacteria on disease control, plant growth promotion and systemic resistance in cowpea.', *Journal of Environmental Engineering and Landscape Management. Special issue on Environmental Toxicology & Bioremediation*, December, 2021, ISSN: 1822-4199. eISSN: 1648-6897 (In Press)
- (2) 2. Bandopadhyay, A., Bhattacharya, S.K. and Das, N., 'Biocontrol and growth promoting potential of eight PGPFs on jute and sunnhemp.', *Journal of Soils and Crops*. Vol. 29(2) Vol. 29(2) 243-250., December, 2019, ISSN: 0971-2836) eISSN: 2582-2756
- (3) 3. Roy, T., Bandopadhyay, A., Sonawane, P., Majumdar, S., Mahapatra, N., Alam, S., and Das, N., 'Bio-effective disease control and plant growth promotion in lentil by two pesticide degrading strains of *Bacillus* sp.', *Biological Control*. 127: 55–63., December, 2018, ISSN: 1049-9644 (Impact Factor 2.311)  
<https://doi.org/10.1016/j.biocontrol.2018.08.018>
- (4) Bandopadhyay, A., Roy, T., and Das, N., 'Isolation of some soil bacteria showing potentiality for disease control, growth enhancement and pesticide degradation in *Vigna unguiculata* L.', *Plant Archives*. Vol. 18, Special Issue (ICAAAS-2018), pp. 79-88., 2018, ISSN: 0972-5210
- (5) Bhattacharyya, S.K., Sen, K. De, R.K., Bandopadhyay, A., Sengupta, C. and Adhikary, N.K., 'Integration of biocontrol agents with fungicide, weedicide and plant growth regulator or management of stem and root rot of jute.', *Journal of Applied and Natural Science*. Vol. 9 (2): 899 – 904., June, 2017, ISSN: 0974-9411 (Print), 2231-5209 (online) DOI  
<https://doi.org/10.31018/jans.v9i2.1295>
- (6) Bandopadhyay, A., Bandopadhyay, A.K. and Samajpati, N, 'In vitro antifungal activity of volatile and non-volatile components from some biocontrol fungi against jute pathogen *Macrophomina phaseolina*.', *Indian Phytopathology*. Vol. 61 (2): 204-211., 2008, ISSN: 0367-973X (Impact Factor 0.230)
- (7) 8. Bandopadhyay, A., Bandopadhyay, A.K., Majumdar, M. and Samajpati, N., 'Evaluation of antagonistic potential of some rhizosphere fungi and PGPR against *Macrophomina phaseolina* inciting disease complex in jute.', *Journal of Basic and Applied Mycology*. Vol. 5. (1& II): 82-86., 2006, ISSN: 0972-7167 (Impact Factor 1.887)
- (8) Bandopadhyay, A. K., Majumder, A. and Bandopadhyay, A, 'Biological control of *Macrophomina* root rot in jute with biopesticide formulates with fungal antagonist and PGPR-A success story.', *Pub Book In: Natural Resources Engineering and Management and Agro-Environmental Engineering*. Eds. IIT Kharagpur, India. Pub. Manish Sejwal; Anamaya Publishers, New Delhi; pp. 385-390., 2004, ISBN 81-88342-52-1



**BOOK PUBLICATION**

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