

Teacher's Profile

Name: Dr. Anamika Ghatak

About

Email Id:- anughatak@gmail.com

Date of Joining:- 23rd August, 2011

Qualification: M.Sc., Ph.D

Area(s) of Interest: - Microbiology, Biotechnology, Fine arts, Travelling, Literature

Specialization/Research Interest:- Bioremediation, Enzymology, Protein Engineering

Teaching Experience:- 15 years

Additional Information:

- Convenor of Research and Development Cell
- Convenor of Cultural Committee
- Teacher Member of Institutions Innovation Council
- Teacher Member of Library Committee

Activities

Participation in Seminar/Conference/Workshop/Symposium Attended:

Sl No	Year	Title	Organized By
1	2025	Down the Memory Lane (2000-2025) , Microverse Festival (2024-2025)- Celebration of 25 years of Microbiology Department (Conference)	Department of Microbiology in Collaboration with IQAC, Dhruva Chand Halder College and Microbiologists Society India (MBSI)
2	2024	Science, Medicine & Future: Bioinformatics, A Fundamentals to Data Analysis (One Day Workshop)	Department of Microbiology, IQAC and IIC, THK Jain College in Association with The Neotia University, Kolkata
3	2024	Recent Advances in Biological Sciences (International Seminar)	Department of Microbiology, Scottish Church College, Kolkata in collaboration with Microbiologists Society, India and IQAC, Scottish Church College, Kolkata
4	2023	Selection or Elimination – Which one does a Virus offer (State Level Seminar)	Ramakrishna Mission VidyaMandira, Belur Math
5	2023	Interactive Session on Curriculum and Credit Framework In the Context of National Education Policy 2020	IQAC, THK Jain College and IQAC, Seth Anandram Jaipuria College, Kolkata

6	2023	One Day Faculty Development Workshop on Co-learning in a Boundary-less Classroom with Innovative Pedagogy	IQAC of THK Jain College, Kolkata
7	2022	IP Awareness/Training Program under National Intellectual Property Awareness Mission (NIPAM)	Intellectual Property Office (Govt. of India, Ministry of Commerce and Industry)
8	2021	Microbiology: Industrial Applications and Sustainable Development (Webinar series)	Department of Microbiology and IQAC, THK Jain College, Kolkata
9	2021	Covid-19 Second Wave: Evolution, Risk and Vaccines (State Level Webinar Series)	Department of Microbiology and IQAC, Surendranath College, Kolkata
10	2021	DNA TOPOISOMERASE IIB (International Webinar)	Department of Biochemistry & IQAC Asutosh College, University of Calcutta, West Bengal
11	2020	Algae, Fungi and Plants: Systematics to Applications (International Conference)	CAS, Department of Botany, University of Calcutta in Collaboration with Botanical Survey of India
12	2020	Women in Science (International Conference)	Prof. J. J. Ghosh Foundation and Advanced Research Centre for Biochemistry and Microbiology, Department of Microbiology, Lady Brabourne College, Kolkata
13	2020	Covid-19 Invasion: A Challenge to Humanity (Webinar)	Department of Microbiology and IQAC, THK Jain College, Kolkata
14	2020	Celebration of International Yoga Day (Webinar)	NSS Unit and IQAC, THK Jain College, Kolkata
15	2020	Developing Skills Through ICT Tools and Techniques (Three days Online Workshop)	Internal Quality Assurance cell, Gokhale Memorial Girls College, Kolkata
16	2020	Novel Coronavirus :Myths and Facts(International Webinar)	Department of Microbiology, in collaboration with IQAC/Research & Guidance cell, Vijaygarh Jyotish Ray College, Kolkata
17	2020	Exploring the COVID 19 pandemic: An Indian Perspective (National Webinar)	Department of Microbiology in collaboration with IQAC-Acharya Prafulla Chandra College, New Barrackpore
18	2020	Microbiological Webinar series on Microbes in Human Welfare	Post Graduate Department of Biotechnology, Lyallpur Khalsa College Jalandhar, Jalandhar, Punjab
19	2020	COVID -19 Pandemic: Vaccine Development and Future Therapies (International Webinar)	The Department of Microbiology, Dinabandhu Andrews College, Kolkata
20	2020	Prevention and Control of Vector Borne Diseases amidst COVID-19 (International Webinar & Panel Discussion)	IQAC, Surendranath College, Kolkata
21	2020	National Webinar Lecture series on BIODIVERSITY	IQAC, Vijaygarh Jyotish Ray College, Kolkata

22	2020	Sir J.C. Bose Annual Memorial Lecture (National Webinar)	IQAC in collaboration with the Departments of Microbiology and Botany, Raidighi College, West Bengal
23	2020	COVID-19 Pandemic - Challenges and Conquest for Students (National Webinar)	Department of Chemistry and Dept. of Zoology, City College and supported by IQAC
24	2020	Covid 19 diagnosis: Prospects and challenges (National Webinar)	Maulana Azad College, Kolkata
25	2020	Biofacets—Plant Health Management (National Webinar)	Patkar college of Arts and Science and V.P. Varde College of Commerce and Economics (Affiliated to University of Mumbai)
26	2020	Virus as a therapeutic tool for antiviral research (Special Lecture Programme)	Department of Botany and Dept. of Microbiolog, Mrinalini Datta Mahavidyapith, Birati.
27	2020	Impact of COVID-19 on Indian Agriculture: Re-imaging the way forward (A Collective effort of Government, Corporate and CSOs)	Birla Institute of Management Technology, Kolkata
28	2020	Webinar series on Covid 19-An enigma	Advanced Research Centre, Department of Microbiology, Lady Brabourne College, Kolkata
29	2020	Environmental Disaster and Biodiversity Conservation (Webinar)	Department of Botany and NSS Unit of THK Jain College, Kolkata
30	2020	Claws of Covid -19 (Webinar)	Department of Microbiology and IQAC, St.Pauls Cathedral Mission College, Kolkata
31	2020	Fermentation Technology: Microbial Technology for Industries and Bioprocessing (Online Two days Workshop)	Department of Microbiology, AKS University, MP, India
32	2018	Microbiology, Undergraduate CBCS Syllabus, University of Calcutta (Workshop)	Undergraduate Board of Studies in Microbiology, University of Calcutta
33	2018	Life Science Research in Health and Disease (International Seminar)	Lady Brabourne College, Kolkata
34	2017	Recent Trends in Microbiology (International Seminar)	Ramkrishna Mission Vidyamandira, Belur Math
35	2014	Microbial structuring and its role in marine and other ecosystems functioning (One day seminar cum Workshop)	Prof. B. C. Guha Hall, Department of Biochemistry, University of Calcutta

Refresher Course Attended:

Sl. No.	Year	Title	Organized by
1	2020	Science and Technology of Yoga and Meditation (Online)	UGC-Human Resource Development Centre, Devi Ahilya Viswavidyalaya, Indore
2	2012	Process Control and Analytical Techniques in Food Processing and Quality Evaluation	Department of Food Technology and Biochemical Engineering, Jadavpour University

Faculty Development Programme/Certificate Course Attended:

Sl. No	Year	Title	Organized by
1	2025	Discovering Indian Knowledge System-A Multidisciplinary Approach (Five Days Online FDP)	The Centre for Traditional Culture and Knowledge, Holy Cross college ((Autonomous), Tiruchirappalli
2	2025	Protecting Intellectual Property Rights in Biological Innovations (Five Days Offline FDP)	Department of Biosciences, JIS University, West Bengal
3	2024	Recent Trends in Bioprocess Technology (Five Days Online FDP)	Department of Biotechnology, Sinhgad College of Engineering
4	2021	Basic Techniques in Microbiology (Phase IV) (Four weeks International Faculty Development Online Certificate Course)	Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil
5	2020	Medical Bacteriology (Four weeks International Faculty Development Online Certificate Course)	Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil
6	2020	Teaching, Research and Innovation in India: A Biologists's View (Five Days Online FDP)	Amity Institute of Biotechnology, Amity University, Kolkata
7	2020	Scope and Application of Fermentation Technology in Food, Biochemical and Allied Industries (Ten Days Online FDP)	Haldia Institute of Technology and Ankur Biochem Pvt. Ltd.
8	2020	Covid 19-and New International Order (Seven Days Online FDP)	Faculty of Arts, Department of Political Science and Public Administration, Annamalai University

Presentation:

Sl No	Year	Title	Organized By
1	2023	Interaction Between Plant and Pathogen: An Existential Battle (Poster)	Ramkrishna Mission Vidyamandira, Belur Math
2	2022	Recent Trends in Microbiology (Poster)	Vijaygarh Jyotish Ray College, Kolkata
3	2020	Microbial VOCs and their role as potential infochemicals (Paper)	Bidhannagar College, Kolkata
4	2019	Microbes in our Life (Poster)	Department of Microbiology in association with Research and Guidance Cell, Vijaygarh Jyotish Ray College, Kolkata

5	2019	Studies on Bio-decolorization by Microorganisms isolated from Ganges water near Cossipore region (Poster)	Vijaygarh Jyotish Ray College, Kolkata
6	2013	Environment and its Impact on Society (Poster)	J.D. Birla Institute, Kolkata
7	2010	Biotechnology, Food and Bioengineering – Emerging Trends and Future Prospects (Paper)	Prist University and Indian Institute of Crop Processing Technology, Thanjavur
8	2009	Future of Food Biotechnology in India (Poster)	Department of Biotechnology, National Institute of Technology, Durgapur

Publication:

Sl No	Year	Title (Journal/Book /Book Chapter/	Name as applicable	ISBN/ISSN
1	2024	Towards zero-waste bio-refinery: extraction of bromelain and production of biosorbents from various components of Queen pineapples cultivated in Tripura, India	Biomass Conversion and Biorefinery	2190-6815 e-ISBN 2190-6823
2	2023	Gut Dysbiosis and Its Potential Impact on Immunomodulation	International Journal of Bioinformatics and Biological Sciences	ISSN: 2319-5169
3	2023	Polyhydroxyalkanoates and their implications for sustainable future	Research Trends in Microbiology (Bhumi Publishing)	ISBN: 978-93-88901-69-7
4	2023	Removal of heavy metals from wastewater using bioremediation techniques	Development in Wastewater Treatment Research and Processes (Elsevier)	978-0-323-95684-0
5	2023	Biopesticides: Recent Research and Applications	Current Research Trends in West Bengal Colleges (Bhumi Publishing, India)	978-93-88901-28-4
6	2021	Decolourization of Textile Dye by Bacteria Isolated from Ganges Water Near Cossipore Region, Kolkata	Journal of Innovation in Applied Research	ISSN: 2581-4206
7	2021	Bioremediation: A Prospective Tool for Alleviating Environmental Pollution	Recent Approaches in Sustainable Agriculture Development and Food Security, Crop Management, Forestry, Food Technology and Environmentally Balanced Production Enhancement (Mahima Research Foundation & Social Welfare)	ISBN:978-81-943375-4-6
8	2019	Characterization of Laccase enzyme from dye degrading bacterial strains isolated from	Research and Reviews: A Journal of Microbiology and	2349-4360, e-ISSN : 22309853

		natural sources.	Virology. 9(1); 65-76	
9	2018	Characterization of bacterial strains isolated from natural sources involved in decolorization of Malachite green dye	The Pharma Innovation Journal.,7(2); 175-182	2349-8242, e-ISSN : 22777695
10	2016	Beta- Galctosidase from <i>Enterobacter cloacae</i> :Production, characterization and Purification	International Journal of Current Microbiology and Applied Sciences	ISSN: 2319-7706
11	2013	Immobilization of beta-galactosidase from <i>Enterobacter cloacae</i> : Characterization and its use in continuous production of low lactose milk	Indian Journal of Biotechnology	0972-5849 e-ISSN:0975-0967
12	2010	Beta- Galctosidase from <i>Enterobacter cloacae</i> :Production and Some Physicochemical Properties	Applied Biochemistry and Biotechnology	0273-2289 e-ISSN:1559-0291

Achievement

- Awarded with first prize in Poster Competition in the Two-day National Conference entitled as “Future of Food Biotechnology in India” held at National Institute of Technology, Durgapur, India in January, 2009
- Acted as Head Examiner and Coordinator in UG Microbiology Theory and Practical Examinations of University of Calcutta
- Acted as Examiner in UG and PG examinations of other Institutions:
 - St. Xavier’s College, Kolkata
 - Department of Biosciences, JIS University
 - Ramkrishna Mission Vidyamandira, Belur Math
- Performing Artist in Information and Cultural Affairs Department, Govt. of West Bengal.