



Faculty Details proforma for Gargi College

Title	Dr.	First Name	Chaitali	Last Name	Ghosh	Photograph
Designation	Assistant Professor					
Address	ATS Greens Paradiso, Chi IV Greater Noida					
Mobile	9818833035					
Email	Chaitali.ghosh@gargi.du.ac.in					
Educational Qualifications						
Ph.D (Biotechnology)	School of Biotechnology, Jawaharlal Nehru University				2010	
PGDiploma in IPR	NALSAR University of Law, Hyderabad				2009	
MSc (Zoology)	Department of Zoology, University of Delhi				Delhi University 1st Rank	
BSc (Zoology Hons.)	Miranda House, University of Delhi				College 1st Rank	
HSc	Delhi Public School, Korba.				District 1st Rank	
SSc	Delhi Public School, Korba.				-	
Career Profile						
<ol style="list-style-type: none">1. Assistant Professor, Department of Zoology, Gargi College, University of Delhi, October, 2015 - till date.2. Asst. Professor (ad hoc), Gargi College, University of Delhi.3. Asst. Professor (ad hoc), Deen Dayal Upadhyaya College, University of Delhi.4. Asst. Professor (ad hoc), SGTB Khalsa College, University of Delhi.5. Asst. Professor (ad hoc), Daulat Ram College, University of Delhi.						
Areas of Interest / Specialization						
Biotechnology, Fermentation Technology, Microbiology and Molecular Biology.						
Subjects Taught						

Animal cell Biotechnology, Wildlife Conservation & Management, Food, Health & Nutrition, Ecology, Environmental Management, Molecular Biology, Animal Behavior etc.

Administrative Assignments

Admission committee of Zoology department, Faculty Advisor to Students Union of the Zoology Department, Magazine Committee, Zoology department.

Recent Publications

1. Ananya Chamola, Shruti Apurva, Adithi Rao and **Chaitali Ghosh**. "*Psychological and Physiological Impact of Indoor Plants and Their Maintenance*". The International Journal of Indian Psychology. 2022, Vol 10, Issue 3. ISSN 2348-5396, ISSN 2349-3429.
2. Singh G, Yadav M, **Ghosh C**, Rathore J S. "*Bacterial toxin-antitoxin modules: classification, functions, and association with persistence*". Current Research in Microbial Sciences 2(2021) 100047 ISSN: 2666-5174.
3. **Chaitali Ghosh** and Jitendra S Rathore, Contributed Chapter "*Molecular Biology of Thermophilic and Psychrophilic Archaea*", 1st Edition of the book titled "Microbiomes of Extreme Environments Biodiversity and Biotechnological Applications". March, 2021. **CRC Press**. ISBN no. 9780367342746.
4. Jitendra S Rathore and **Chaitali Ghosh**. "*Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2), A Newly Emerged pathogen: An Overview*". Pathogens and Disease. 2020. ISSN 0920-8534 - 2020. doi: 10.1093/femspd/ftaa042. Impact Factor - 2.166.
5. Jogendra Singh Nim, Mohit Yadav, Lalit Kumar Gautam, **Chaitali Ghosh**, Shakti Sahi and Jitendra S Rathore. "*Novel Toxin-antitoxin System Xn-mazEF from Xenorhabdus nematophila: Identification, Characterization and Functional Exploration*." Current Computer-Aided Drug Design. ISSN: 1875-6697 (Online) ISSN: 1573-4099 (Print) 2020.
6. **Chaitali Ghosh** and M Singh. Editor of book titled "*Research Methodology for the Undergraduate Students*", published by Rastogi Publications in the year 2019.
7. **Chaitali Ghosh**, contributed a chapter "*Ethical Issues*" in a book titled "Research Methodology for the Undergraduate Students", published by Rastogi Publications, 2019.
8. Jitendra S Rathore and **Chaitali Ghosh** (corresponding author), "*Pathogen-Associated Molecular Patterns and Their Perception in Plants*", chapter published in the book titled "*Molecular Aspects of Plant-Pathogen Interaction*", published by **Springer Nature**, ISBN 978-981-10-7370-0 ISBN 978-981-10-7371-7 (eBook).
9. **Chaitali Ghosh**, Harish Kumari and Jitendra S Rathore, "*Prevalance and risk of listeriosis by ready to eat products*", International Journal of Scientific Research Letters Vol 1, Issue 1, Dec 2017.
10. Prachi Sharma, **Chaitali Ghosh**, Jitendra S Rathore, "*Anthocyanin: Structure, Synthesis and its Beneficial Role in Health*", Journal of Food Science and Technology, 2016 ISSN: 2278-2249(online), ISSN: 2321-6468(print) Volume 5, Issue 1.
11. **Chaitali Ghosh**, Rashmi Gupta and KJ Mukherjee, "*An inverse metabolic engineering approach for*

the design of an improved host platform for the over-expression of recombinant proteins in E. coli", Microbial Cell Factory, 2012 Jul 3;11(1):93.

12. Jitendra S Rathore and **Chaitali Ghosh**, "*Ribosomal encoded bacteriocins: Their functional insight and therapeutic applications*", Journal of Microbiology Research 2012, 2(2): 19-25.

13. Sharma AK., Mahalik S., **Chaitali Ghosh**, Bharara A. and Mukherjee KJ., "*Comparative transcriptomic profile analysis of fed-batch cultures expressing different recombinant proteins in E. coli*", AMB Express, 2011, 1:33.

14. **Ghosh C**, Sharma AK, Mukherjee KJ. GEO Accession no.- GSM 728732. To 728743, NCBI sequence submission.

Conference Organization

1. Co-ordinator of One year long Add-on Course titled "Bioinformatics - Tools and applications", 2021-22.

2. Resource person of a workshop titled "*Hands on workshop in Biotechnological Techniques*", held at Gargi College, supported by DBT Star College Scheme, on December 13-14, 2019.

3. Convener of a workshop titled "*2nd Hands-on workshop on Bioinformatics*", held at Gargi College, supported by DBT Star College Scheme on April 22, 2019.

4. Organising committee member in the seminar titled "*Use of Scientific & Technical Terminologies in Sustainable Environment Development*", held on March 14-16, 2019, organised by CSTT, MHRD and Gargi College.

5. Contributed as a resource person in "*Summer Immersion Program 2018*", supported by DBT Star College Scheme conducted from July 11-18, 2018 at Gargi College, University of Delhi.

6. Organizing committee member of the symposium "*Wanderers of nature: Exploring wildlife*", held at Department of Zoology, Gargi College, on March 12, 2018.

7. Contributed as a co-ordinator and resource person in "*Hands on Workshop in Cell Biology*", held on February 26, 2018 in Zoology Department, Gargi College.

8. Resource person for the workshop titled "*Hands-on workshop on Bioinformatics*", organized by Department of Zoology, held on 6th October 2017, at Gargi College, supported by DBT Star College Scheme.

9. Resource person for the workshop titled "*PCR and its applications*" organized by Department of Zoology, held on 11th June, 2015, at Gargi College, supported by DBT Star College Scheme.

10. Invited for oral presentation in 109th General Meeting of “*American Society for Microbiology*”, (ASM) at Philadelphia, Pennsylvania, USA, 2009.

11. Invited for oral presentation in “*Society for Industrial Microbiology*”, Annual Meeting, 2009 in Toronto, CANADA.

Awards and Distinctions

- JNU Ph. D Entrance **1st rank** in School of Biotechnology, 2014 .
- **University of Delhi, GOLD MEDALIST** in M. Sc (Zoology).
 - ❖ *Usha Ganguly Gold Medal*
 - ❖ *N Prakash Memorial Gold Medal*
- Awarded “*Post Graduate Scholarship*” by **University of Delhi**, 2001 and 2002.
- Awarded “*Science Scholarship*” by **University of Delhi**, 1998, 1999 and 2000.
- **Invited for oral presentation** in 109th General Meeting of “*American Society for Microbiology*”, (ASM) at **Philadelphia, Pennsylvania, USA**, 2009.
- Awarded “**International Travel Grant**” by **American Society for Microbiology (ASM)** in 2009.
- Awarded “**International Travel Grant**” by **Department of Biotechnology (DBT)**, Government of India, 2009.
- Grant from **Registrar’s Corpus Fund**, Jawaharlal Nehru University for International poster presentation.
- **Invited for oral presentation** in “*Society for Industrial Microbiology*”, Annual Meeting, at **Toronto, CANADA** in 2009.
- **Pre-PhD topper** in School of Biotechnology, Jawaharlal Nehru University in 2004.
- Qualified **CSIR-JRF (NET)** and **SRF**.
- Qualified **ICMR-JRF**.
- Selected among top 20% of CSIR JRF’s (for **Shyama Prasad Mukherjee Fellowship**).
- **Miranda House (DU) College topper** in M. Sc.
- **Miranda House (DU) College topper** in B. Sc Zoo (H) .
- Awarded “*Merit Certificate*” in HSC from **CBSE, Govt. of India**, 1998.

➤ Awarded “*National Scholarship*” from **CBSE, Govt. of India**, 1998.

➤ District level **First Rank and DPS topper** in HSC.

Other Activities (Few ones)

1. Guest Editor of "Journal of Applied Biology & Biotechnology.

2. Mentor to a pathfinder project titled "Indoor plants: Its maintenance and impact on our mental and physical health". 2021-22.

3. Completed a course on "Methods of Molecular Biology" St. Petersburg Polytechnic University & Coursera

4. Completed a course on "Introduction to Psychology". Yale University & Coursera.