




Faculty Details proforma for Gargi College

Title	Dr.	First Name	Chaitali	Last Name	Ghosh	Photograph
Designation		Assistant Professor				
Address		C- 34, Type V, Gautam Buddha University, Greater Noida, UP, 201308.				
Residence*		0120-2347148				
Mobile*		9818833035				
Email		Chaitali.ghosh@gargi.du.ac.in				
Educational Qualifications						
Degree		Institution			Year	
Ph.D (Biotechnology)		School of Biotechnology, Jawaharlal Nehru University			Awarded in 2010	
PGDiploma in IPR		NALSAR University of Law, Hyderabad			2009	
MSc (Zoology)		Department of Zoology, University of Delhi			2003 (University 1st Rank)	
BSc (Zoology Hons.)		Miranda House, University of Delhi			2001 (College 1st Rank)	
HSc		Delhi Public School, Korba.			1998 (District 1st Rank)	
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. **Chaitali Ghosh** and Jitendra Singh 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 Forthcoming by **CRC Press**. ISBN no. 9780367342746.
2. Jitendra Singh 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.
3. Jogendra Singh Nim, Mohit Yadav, Lalit Kumar Gautam, **Chaitali Ghosh**, Shakti Sahi and Jitendra Singh 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.
4. **Chaitali Ghosh** and M Singh. Editor of book titled "*Research Methodology for the Undergraduate Students*", published by Rastogi Publications in the year 2019.
5. **Chaitali Ghosh**, contributed a chapter "*Ethical Issues*" in a book titled "Research Methodology for the Undergraduate Students", published by Rastogi Publications.
6. Jitendra Singh 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).
7. **Chaitali Ghosh**, Harish Kumari and Jitendra Singh Rathore, "*Prevalance and risk of listeriosis by ready to eat products*", International Journal of Scientific Research Letters Vol 1, Issue 1, Dec 2017.
8. Prachi Sharma, **Chaitali Ghosh**, Jitendra Singh 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.
9. **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. Impact Factor - 4.22.
10. Jitendra S Rathore and **Chaitali Ghosh**, "*Ribosomal encoded bacteriocins: Their functional insight and therapeutic applications*", Journal of Microbiology Research 2012, 2(2): 19-25.
11. 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.
12. **Ghosh C**, Sharma AK, Mukherjee KJ. GEO Accession no.- GSM 728732. To 728743, NCBI

sequence submission.

Conference Organization/ Presentations

1. 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.
2. 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.
3. 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.
4. 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.
5. Organizing committee member of the symposium “*Wanderers of nature: Exploring wildlife*”, held at Department of Zoology, Gargi College, on March 12, 2018.
6. 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.
7. 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.
8. 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.
9. Invited for oral presentation in 109th General Meeting of “*American Society for Microbiology*”, (ASM) at Philadelphia, Pennsylvania, USA, 2009.
10. 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. Two day e-Workshop on “*Research Methodology* ” organized by Dr B R Ambedkar Central Library, Jawaharlal Nehru University, New Delhi (India) from Jan 11th -to 12th, 2021.
2. Participated in "*Faculty Enrichment for Life-Science Teachers in Higher Education*", organised by National Institute of Educational Planning and Administration (NIEPA),12th Jan 2021
3. One Week Online National **FDP** on "*Development of e-content & Moocs in four quadrants*", organised by KMV and GAD-TLC, Khalsa College under PMMMNMTT scheme, 18 - 23 January 2021.
4. Participated in a webinar on “*New Education Policy 2020: Transformational Features and Challenges*” organised by IQAC, Kalindi College, on Dec. 11, 2020.

5. Webinar on topic “Online Teaching and Learning Technology” organized by ARSD College, Dhaulakuan held on 27th April, 2020.
6. "Fighting pandemics with artificial intelligence" organized by Department of Microbiology, Gargi College, University of Delhi, India on May 29th, 2020.
7. One Week Online **Faculty Development Programme** on “Research methodology: tools & techniques” under Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. Of India held from 5th-11th June, 2020 at ARSD College, University of Delhi.
8. "Introduction to 3D Bio-printing and the role of Biotechnologists" organized by Karpagam Academy of Higher Education, Coimbatore- 26 June, 2020.
9. "Fourth JNU Workshop for Empowering Teaching through Online Mode (JNU-WETOM IV) on the theme ‘Going Online: Classroom, Field Work & Research’ held on July 11-12, 2020.
10. Two Weeks **Faculty Development Programme** on "Advanced concepts for developing MOOCS" organized by PMMMNIT, Ramanujan College, from July 02 - July 17, 2020.
11. National one week online **faculty training programme** on "Paedagogical training for effective online teaching and learning by Deen Dayal Upadhyaya College & KTHM College, Nashik from 3-10 Aug 2020
12. International Webinar on “Gut microbiota and host: the fight for iron” organised by Department of Zoology, Hansraj College, University of Delhi on 1st August 2020.
13. One Day National Webinar titled “Open Educational Resources” organized by Department of Chemistry, Gargi College held on May 21, 2020.
14. WEBINAR on topic “Covid-19 Pandemic and Immunity & Socio Psychological Issues and Covid-19” organized by Department of Zoology, Deshbandhu College, University of Delhi & Delhi Pharmaceutical Sciences and Research University on 6th May 2020.
15. 4 week **Orientation Course** held by JNU HRDC & UGC, 13 Feb - 10 March, 2017.
16. Four weeks **refresher course** in Environmental Studies (Interdisciplinary), held by JNU HRDC & UGC, 12 Nov - 7 Dec, 2018.
17. Attended the Skill Training Programme in "Scientific Communication, Science Journalism and Scientific Writing" held on 17-21 July, 2017, by Centre for Science Education and Communication, University of Delhi and NISCAIR, CSIR.
18. Attended one day Faculty Development Program on "*Research Based Pedagogical Tool for Undergraduate Level Life Science Teachers*", held on 03rd Nov, 2017 at Deen Dayal Upadhyaya College, University of Delhi.
19. Attended the workshop on "*Catalyzing a Cultural Shift in Youth Entrepreneurship*" organized by D S Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi

on 9th Nov, 2017.

20. Participated in the STEM Teacher Training Workshop on "*Research Based Pedagogical Tool*", held from 10th to 13th December, 2017 at *IIT Gandhinagar* organised by DBT, Newton Bhaba fund, British Council and IISER Pune.

21. Attended the lecture workshop On "*Ingenuity in Biological Sciences*" held at Gargi College, University of Delhi held on 11th and 12th Jan, 2018.

22. Attended the NAAC sponsored seminar titled "*Mentoring the Teacher-Mentors: Capacity Building Programme*" organized by IQAC of Gargi College held on 19th and 20th January, 2018.

23. Attended Faculty Development Program on "*Wildlife Conservation and Management*", held on 19th Feb, 2018 at Sri Venkateswara College, University of Delhi.