



Faculty Details proforma for Gargi College

Title	Dr.	First Name	Chaitali	Last Name	Ghosh	Photograph
Designation		Assistant Professor				
Address		House no.- 12, Street no. - 11, Block - B. Kaushik Enclave, Burari, Delhi-84.				
Phone No Office						
Residence*		0120-2347148				
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Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Ph.D (Biotechnology)		SBT, Jawaharlal Nehru University			2010	
PGDiploma in IPR		NALSAR University of Law			2009	
MSc (Zoology)		Department of Zoology, University of Delhi			2003	
BSc (Zoology Hons.)		Miranda House, University of Delhi			2001	
HSc		Delhi Public School, Korba.			1998	
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. 						
Administrative Assignments						
Admission committee of Zoology department.						
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.						

Research Guidance
NA
Recent Publications
<p>1. Jitendra Singh Rathore and Chaitali Ghosh (corresponding author), "<i>Pathogen-Associated Molecular Patterns and Their Perception in Plants</i>", chapter published in the book titled "<i>Molecular Aspects of Plant-Pathogen Interaction</i>", published by Springer Nature, ISBN 978-981-10-7370-0 ISBN 978-981-10-7371-7 (eBook).</p> <p>2. Chaitali Ghosh, Harish Kumari and Jitendra Singh Rathore, "<i>Prevalance and risk of listeriosis by ready to eat products</i>", International Journal of Scientific Research Letters Vol 1, Issue 1, Dec 2017.</p> <p>3. Prachi Sharma, Chaitali Ghosh, Jitendra Singh Rathore, "<i>Anthocyanin: Structure, Synthesis and its Beneficial Role in Health</i>", Journal of Food Science and Technology, 2016 ISSN: 2278-2249(online), ISSN: 2321-6468(print) Volume 5, Issue 1.</p> <p>4. Ghosh C., Gupta R. and KJ Mukherjee, "<i>An inverse metabolic engineering approach for the design of an improved host platform for the over-expression of recombinant proteins in E. coli</i>", Microbial Cell Factory, 2012 Jul 3;11(1):93. Impact Factor - 4.22.</p> <p>5. Singh, J., and Ghosh, C., "<i>Ribosomal encoded bacteriocins: Their functional insight and therapeutic applications</i>", Journal of Microbiology Research 2012, 2(2): 19-25.</p> <p>6. Sharma AK., Mahalik S., Ghosh C., Bharara A. and Mukherjee KJ., "<i>Comparative transcriptomic profile analysis of fed-batch cultures expressing different recombinant proteins in E. coli</i>", AMB Express, 2011, 1:33.</p> <p>7. Ghosh C, Sharma AK, Mukherjee KJ. GEO Accession no.- GSM 728732. To 728743, NCBI sequence submission.</p>
Conference Organization/ Presentations
<p>1. Resource person for the workshop titled "<i>Hands-on workshop on Bioinformatics</i>", organized by Department of Zoology, held on 6th October 2017, at Gargi College, University of Delhi.</p> <p>2. Resource person for the workshop titled "PCR and it's applications" organized by Department of Zoology, held on 11th june, 2015, at Gargi College, University of Delhi.</p>

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

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

Research Projects (Major Grants/Research Collaboration)

NA

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.

Association With Professional Bodies

- Reviewer of the journal "International Journal of Scientific Research Letters", published by Centre for Public Health and Food Supply.
- Member of American Society for Microbiology.

Other Activities (Most recent ones)

1. 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.
2. 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.
3. 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.
4. 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.
5. Attended the lecture workshop On "*Ingenuity in Biological Sciences*" held at Gargi College, University of Delhi held on 11th and 12th Jan, 2018.
6. 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.
7. Attended Faculty Development Program on "*Wildlife Conservation and Management*", held on 19th Feb, 2018 at Sri Venkateswara College, University of Delhi.