




FACULTY PROFILE



Title (Ms/Mr/Dr/Prof)	Mr.	First Name	Gulshan	Last Name	Yadav
Designation	Assistant Professor				
Department	Zoology				
Address (Official)	Department of Zoology, Kalindi College, University of Delhi.				
Phone No.	-				
Email	gulshanyadav@kalindi.du.ac.in				

Education

Qualifications	Institution	Year	Details
Ph.D. Medical Sciences	ICMR-NICHDR, Safdarjung Hospital Campus, New Delhi.	2018-Ongoing	Studies on Assessing the Role of CRISPR-Cas System in Virulence and Resistance in <i>Acinetobacter baumannii</i>
M.Sc.	Department of Zoology, University of Delhi	2015-2017	Zoology
B.Sc.	Shivaji College, University of Delhi	2011-2014	Zoology (Hons.)
Any others	Joint CSIR/UGC-JRF (Life Sciences)	June 2016	Rank 109; Roll No.: 320117
	Joint CSIR/UGC-NET (Life Sciences)	Dec. 2016	Rank 68; Roll No.: 327692

Career Profile

Institution	Designation	Duration	Role
Kalindi College, University of Delhi	Assistant Professor (Permanent)	28/12/2023-till date	Teaching and Others
Bhaskaracharya College of Applied Sciences, University of Delhi.	Assistant Professor (Guest)	16/08/2023-27/12/2023	Teaching

Research Interests/Specialization

1. Microbiology/Antimicrobial Resistance
2. Phage therapy, CRISPR-Cas
3. NGS Data analysis

Administrative Assignments/Contribution to corporate life

Teaching Experiences (Subject/Courses taught)

Biology of Cell Structure and Function; Fundamentals of Genetics; Animal Biotechnology; Methods in Biostatistics; Food Nutrition and Health; Molecular Biology; Public Health Hygiene, and Nutrition; Forensic Biology; Advanced Biotechniques and Instrumentations.

Research Guidance			
NA			
Publications (Peer-Reviewed/Indexed Journals)			
Year of Publication	Title	Journal	Author/Co-Author
March, 2025	Development and Optimization of Multiplex PCR for Rapid Detection of Type I-F1 and Type I-F2 Cas Cluster Genes in <i>Acinetobacter baumannii</i>	Biologicals, 90/May 2025; https://doi.org/10.1016/j.biologicals.2025.101824 (IF:1.5)	Gulshan Yadav, Amit Sharma, Umesh Prasad Sah Hathi, Rajni Gaind, Ruchi Singh*
August, 2022	In silico Analysis Reveals the Co-existence of CRISPR-Cas Type I-F1 and Type I-F2 Systems, and it's Association With Restricted Phage Invasion in <i>Acinetobacter baumannii</i>	Frontiers in Microbiology, section Drug Resistance, Global Epidemiology and Virulence of <i>Acinetobacter</i> , 13:3079; https://doi.org/10.3389/fmicb.2022.909886 (IF: 4.5)	Gulshan Yadav and Ruchi Singh*
February, 2021	Colistin Resistance Among Multiple ST Types of <i>Klebsiella pneumoniae</i> Associated with Diverse Resistance Mechanisms: a Report From India	Frontiers in Microbiology, section Antimicrobials, Resistance and Chemotherapy, 12/215; https://doi.org/10.3389/fmicb.2021.609840 (IF: 4.5)	Mudsser Azam, Rajni Gaind, Gulshan Yadav, Amit Sharma, Kirti Upmanyu, Manisha Jain, Ruchi Singh*
Seminar/Workshop/Conferences Presentation			
Poster presentation:			
<ul style="list-style-type: none">Poster presentation at Microcon, 2023 titled “Colistin Resistance in <i>Acinetobacter baumannii</i> with Different ST Types: Phenotypic and Genotypic Analysis”, at Lucknow from November 23 to 26, 2023.Presented a poster titled “In Silico Analysis Revealed Distribution Of CRISPR-Cas Among Clinical Antibiotic-resistant <i>Acinetobacter baumannii</i> And Its Implication for Phage Therapy” at World Microbe Forum organized by the the American Society for Microbiology (ASM) from 20-24th June 2021.			
Conferences and Seminars Attended:			
<ul style="list-style-type: none">Participated in International Symposium on Antimicrobial Resistance organised by School of Biotechnology, Amrita Vishwa Vidyapeetham (BIOCREST) from 24-26th, Feb 2021.Attended “Publishing Webinar – Tips from the editor” organized by Indian Council of Medical Research (ICMR) from 30th March 2021.Participated in ‘International Symposium on Biological Timing and Health Issues in the 21st Century’ from February 22-24, 2017. Organized By Department of Zoology, University of Delhi.Attended ‘IndoUS Workshop on Biological Timing and Health Issues in the 21st Workshop/Symposiums Century’ on February 21, 2017. Organized By Department of Zoology, University of Delhi.Participated in the conference to celebrate world Immunology Day ‘Nurturing Immunobiology.....and Beyond’ jointly organised by Department of Zoology, University of Delhi. & Indian Immunological Society. Held at Department of Zoology, University of Delhi.Participated in one day workshop on, ‘How, What and Where to Publish Research Articles?’ held at Centre for Professional Development in Higher Education (CPDHE), University of Delhi.			

Workshops and Courses: <ul style="list-style-type: none"> Hands-on Workshop on Next Generation Sequencing (NGS) Data Analysis, <i>Bioinformatics Division, AIIMS, New Delhi</i>; Duration: 8 Weeks Health Research Fundamentals, <i>National Institute of Epidemiology, NPTEL (Swayam Portal)</i>; Duration: 8 Weeks Bacterial Genomes: From DNA to Protein Function Using Bioinformatics, <i>Wellcome Genome Campus Advanced Courses and Scientific Conferences</i>; Duration: 2 Weeks Bacterial Genomes: Disease Outbreaks and Antimicrobial Resistance, <i>Wellcome Genome Campus Advanced Courses and Scientific Conferences</i>; Duration: 3 Weeks Bacterial Genomes: Accessing and Analyzing Microbial Genome Data, <i>Wellcome Genome Campus Advanced Courses and Scientific Conferences</i>; Duration: 3 Weeks Bacterial Genomes: Comparative Genomics Using Artemis Comparison Tool (ACT), <i>Wellcome Genome Campus Advanced Courses and Scientific Conferences</i>; Duration: 3 Weeks Deep Exploration of the Genetic Dependencies of Antibiotic Function, <i>SelectScience Ltd.</i>; Duration: 1 Hour DOEACC ‘O’ Level Certification, <i>National Institute of Electronics and Information Technology (NIELIT)</i>; Duration: 1 Year
Orientation Programme/Course <ul style="list-style-type: none"> NEP 2020 Orientation and Sensitization Programme, under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC, organized by CPDHE from 8th October, 2024- 17th October, 2024.
FDP/Refresher Course
NA
Awards & Distinctions <ul style="list-style-type: none"> Third prize in Hindi quiz competition organized at ICMR- National Institute of Pathology, 2019. First prize in drawing competition in 5th class held at Pioneer Kamal Convent school, 2003. • Gold medal in relay race at annual sports day conducted by Pioneer Kamal convent school. Zonal level Kho-Kho player, Delhi.
Public Service/University Service/Consulting Activity
NA
Professional Societies Memberships
NA
Projects (Major Grants/Collaborations)
In-House: Title “Development of Phage-Insensitive Mutants: Comparative Genotypic and Phenotypic Analysis”
Other Details
NA