



Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile

Name	Dr. Preeti Verma	
Designation	Assistant Professor (Ad-hoc) Department of Microbiology	
Email	preeti.verma@rajguru.du.ac.in preetivermalifescience@gmail.com	
Degree	Institution	Year
Ph.D. Microbiology	Central University of Rajasthan	2013-2019
M.Sc. Microbiology	Maharshi Dayanand Saraswati University, Ajmer	2011
B.Sc. Biology	Maharshi Dayanand Saraswati University, Ajmer	2009
Areas of Interest / Specialization -		
Host-Pathogen interactions, Bacterial diversity, antimicrobial resistance (AMR), Mushroom Cultivation, Nanotechnology		
Association with Professional Bodies		
Microbiologists Society, India (MBSI)		
Publications Profile		
• Verma, Preeti, et al. "Phenotypic and virulence traits of <i>Escherichia coli</i> and <i>Salmonella</i> strains isolated from vegetables and fruits from India." <i>Journal of Applied Microbiology</i> 125.1 (2018): 270-281. • Saharan, Vijay Veer, Preeti Verma, and Arvind Pratap Singh. "<i>Escherichia coli</i>, <i>Salmonella</i> spp., and <i>Staphylococcus aureus</i> susceptibility to antimicrobials of human and veterinary importance in poultry sector of India." <i>Journal of Food Safety</i> 40.1 (2020): e12742. • Saharan, Vijay Veer, Preeti Verma, and Arvind Pratap Singh. "High prevalence of antimicrobial resistance in <i>Escherichia coli</i>, <i>Salmonella</i> spp. and <i>Staphylococcus aureus</i> isolated from fish samples in India." <i>Aquaculture Research</i> 51.3 (2020): 1200-1210. • Mehrotra., R, Singh Anantika., Indwar, Angel., Das Ritika., Roy, S., Kumari., S., Agrawal., Y., Verma., P., Yadav., A., Kumar Diwakar. (2023).		

Methanogens: Way ahead for sustainable Development. ACTA scientific Microbiology.

- Rekha Mehrotra, Shreya Deb, Sanya Chauhan, Aarti Yadav, **Preeti Verma**. (2023). Microbial Contamination of Ready-To-Eat Fresh Produce by Human Enteric Pathogens: The Global Burden of Foodborne Diseases. International Journal of Innovative Science and Research Technology Volume 8, Issue 5, May – 2023
- Rekha Mehrotra, Vijay Veer Saharan, **Preeti Verma**. Significance of Biofilm Formation by Enteric Escherichia Coli Obtained from Fresh Produce in Increased Antimicrobial Resistance and Persistence. International Journal of Innovative Science and Research Technology Volume 8, Issue 5, May – 2023.

Book Chapters:

1. Yadav, A., Mehrotra, R., **Verma, P.** (2024). Microorganisms as Potential Source for Food Sustainability. In: Thakur, M. (eds) Sustainable Food Systems (Volume I). World Sustainability Series. Springer, Cham. ISBN: 9783031471216
2. Yadav, A., Khera, K., Mehrotra, R., **Verma, P.**, Yadav, D., & Kudanga, T. (2024). Laccase engineering: Tailoring laccases for effective and efficient catalysis. In Bacterial Laccases (pp. 103-124). Academic Press. ISBN: 978-0-323-91889-3
3. Yadav, A., Hamsa, S., Tiwari, R., Bharti, A., Dhewa, T., Mehrotra, R. and **Verma, P.** (2023). Mechanistic Insights of Dietary Modulation on Gut Microflora and Associated Physiological Changes. In Nutritional Science and Technology (eds T. Dhewa, A.K. Puniya and A. Panghal). <https://doi.org/10.1002/9781394229116.ch3>

Awards and Distinctions

CSIR-UGC Junior research fellowship and Senior research fellowship

Administrative Responsibilities

- Co- convenor: Inklings-the Literary Society
- Member of Examination Committee, Proctorial Committee, Attendance Committee, College Research Committee, Data Acquisition, Placement cell, Fee concession and Scholarship Committee.
- Organizing committee member Mushroom Cultivation Certificate Course and FDP.