

Dr. Saeed Ahmed

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Google scholar: <https://scholar.google.com/citations?user=E6nbrYUAAAAJ&hl=en>



Profile

Dr. Saeed Ahmed is an Assistant Professor in the Department of Microbiology and Immunology at National University of Medical Sciences (NUMS), Rawalpindi, Pakistan. Holds BS in Microbiology from Hazara University, Pakistan and MS degrees in Microbiology from Stockholm University, Sweden, along with a PhD in Basic Veterinary medicine focused on antibiotic residue and food microbiology from Huazhong Agricultural University, Wuhan, China. His research expertise spans microbiology, antimicrobial resistance, molecular biology, infectious diseases, food safety, and related areas including alternative to antibiotics such as; Bacteriophage, medicinal plants to minimize antibiotic resistance. With more than 70 publications, and more than 6,000 citations, Dr. Ahmed has made significant contributions to the field, including high-impact work on the global burden of bacterial antimicrobial resistance and novel antimicrobial agents from natural sources. He also serves on editorial boards of several international journals.

Research area

Antimicrobial Resistance (AMR), Food Safety and Antibiotic Residues, Alternative to antibiotics

Selected Publication

- ✓ Mobeen ur Rashid, Saeed Ahmed et al, screening of bacteriophages for subsequent treatment of resistant Escherichia coli infections transmitted through poultry, Brazilian Journal of Microbiology, (2026)
- ✓ Faiqa Munir, Manal, Saeed Ahmed et al, Native Oregano Essential Oil: Phytochemical Composition, Antibacterial and Synergistic Activities with Oxytetracycline Against Multi-Drug Resistant (MDR) Bacteria, Journal of Microbial Pathogenesis, (2025)
- ✓ Manal, Faiqa Munir, Waseem Safdar, Muhammad Abu bakr shabbir, Saeed Ahmed et al, Production, characterization, and antimicrobial activity of polyhydroxyalkanoates synthesized by Bacillus species against skin pathogens Royal society of Chemistry (RSC), (2025)

- ✓ Mohsen Naghavi et al, Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050, Lancet, (2024)
- ✓ Ning Jianan and Saeed Ahmed et al, Development and validation of an enzyme-linked receptor assay based on mutant protein I188K/S19C/G24C for 40 beta-lactams antibiotics detection in 13 food samples, Microchemical Journal, (2019)

For detailed publication list please follow the google scholar/ ResearchGate

Grants

- ✓ Exploring the potential of Bacteriophage against Multi drug resistant bacteria funded (PI) TIF, NUMS
- ✓ Enhanced Production of palmitoleic acid (Co-Pi) IRF, NUMS
- ✓ scaffold with antibiotics for wound healing (Co-Pi), PSF, Pakistan
- ✓ Synthesis of polymer embedded nanofiber water filter for controlling AMR bacteria from water (Co-Pi), TIF, NUMS
- ✓ Tracking the fate of Antimicrobial resistance (Co-Pi), IRF, NUMS
- ✓ Development of Algal microrobots for the treatment of Multi drug resistant bacteria (Co-Pi), IRF, NUMS

Other Achievements Honor and Awards

- ✓ Awarded fully funded admission for Master's studies in Sweden.
- ✓ Recipient of the Chinese Government Scholarship (CSC) (2014–2019), China.
- ✓ Awarded Best Presenter at Annual Symposium for International Students, organized by Huazhong Agricultural University, Wuhan, China.