



## **Krupa Parmar, MS**

Research Technologist/ Fellow

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Mayo Clinic

*Reproducibility of Pseudomonas aeruginosa Phage Susceptibility Testing: A Multicenter Compariso*

Krupa Parmar is a Phage Researcher at Mayo Clinic's Infectious Diseases Research Laboratory in Rochester, MN. She is a qualified microbiologist and has experience in bacteriophage research for 9+ years.

Her research experience involves work on phage therapy targeting enteric pathogens and phages controlling anaerobic sulfate-reducing bacteria in petroleum oil wells in India. During her doctoral studies in Germany, Krupa delved into understanding the intricate dynamics among antibiotics, phages, and bacteria, unraveling their impact on bacterial community structures.

Currently positioned at Mayo Clinic, Krupa's research focuses on several fronts. She leads efforts in testing phages tailored to combat staphylococcal biofilms in prosthetic joint infections, tackling multi-drug resistant bacteria. Additionally, she works with phage susceptibility testing for the ARLG clinical trial for cystic fibrosis. Her study extends to investigating the stability of phages in phage-nanopolymer assemblies for wound healing applications and standardizing phage susceptibility testing methods. Beyond these endeavors, Krupa Parmar actively explores the immune response triggered by phage therapy, aiming to pave the way for innovative approaches in bacteriophage research.