



## Bacteriophages Biology and Bacteriophage-Derived Technologies

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### Message from the Guest Editor

Dear Colleagues,

The landscape of bacteriophage research is undergoing a remarkable renaissance, propelled by ecological, evolutionary, and molecular perspectives. What was once a nexus of scientific inquiry at the intersection of these disciplines has now emerged as a vibrant arena, fueled by cutting-edge advancements in molecular biology, genetic systems, and synthetic biology.

At the forefront of this resurgence lies the transformative potential of bacteriophage-derived technology in combating antimicrobial resistance, biofilms, and a myriad of other applications. With bacterial viruses and their lytic enzymes heralded as promising alternatives to traditional antibiotics, the spotlight on phage-based antimicrobials has intensified.

We are thrilled to announce the launch of this Special Issue. We welcome manuscripts that delve into the complexities of phage biology and explore novel bacteriophage-derived applications rooted in phage molecular mechanisms.





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## Message from the Editor-in-Chief

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