



## Microbial Response to Stresses, Phages and Hosts

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Deadline for manuscript submissions:

**closed (30 November 2023)**

### Message from the Guest Editors

Bacteria face various environmental stresses, such as changes in temperature, pH, and nutrient availability, as well as exposure to antibiotics, phages, and host immune systems. Bacteria have evolved various mechanisms to cope with these stresses, including changes in gene expression, the production of protective molecules, and the activation of stress response pathways. Understanding these mechanisms is crucial for developing strategies to control bacterial infections and improve health outcomes.

This Special Issue aims to encourage researchers to share their recent understandings of bacterial stress responses and bacterial interactions with phages and host cells through various mechanisms. We welcome original research and review articles on the following topics, including, but not limited to:

- Bacterial response pathways to abiotic stresses and antibiotics;
- Bacterial interactions with phages and host immune systems;
- Second messengers, small noncoding RNAs, and two-component systems;
- Biofilm, quorum sensing, and microbiota–host interactions;
- Application of bacterial stress response in biotechnology and agriculture.





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## Message from the Editorial Board

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