



Advances in Mycoplasma Research

Guest Editor:

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Message from the Guest Editor

This Special Issue welcomes original research articles, reviews, and contributions that span the following areas:

- Physiological mechanisms: insights into the unique molecular and cellular mechanisms that govern the biology of mycoplasmas, including genome evolution, metabolism, and cell structure.
- Host interactions: exploration of the interactions between mycoplasmas and their diverse hosts, unraveling the strategies employed for colonization and evasion of host immune responses.
- Pathogenicity and diseases: understanding the role of mycoplasmas in human, animal, and plant diseases, with a focus on emerging pathogens and the molecular basis of pathogenicity.
- Antimicrobial strategies: advances in the development of antimicrobial strategies, including antibiotics and novel therapeutic approaches, to combat mycoplasma infections.
- Biotechnological applications: discovering the potential applications of mycoplasmas in biotechnology, such as synthetic biology, vaccine development, and industrial processes.





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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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