



Microbial Omics

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Message from the Guest Editor

Dear Colleagues,

Microorganisms face a wide variety of challenges in their natural habitats, ranging from harsh environmental conditions, harmful pollutants to host defense systems. To address these challenges, microorganisms developed diverse strategies, including dedicated genetic mechanisms, complex metabolic adaptations or biofilm formation.

Omics methodologies encompassing genomics, transcriptomics, proteomics, lipidomics and metabolomics have become invaluable for elucidating microbial adaptations.

This current Special Issue entitled “Microbial Omics” of the *International Journal of Molecular Sciences* invites you to contribute research and review papers showcasing the use of omics technologies and methodologies to explore microbial physiology, adaptations or interactions in response to challenges to their survival (e.g., environmental exposures, pollutants, antimicrobials and host defense systems).





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Message from the Editor-in-Chief

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