Special Issue

Genomics and Metabolomics of Cyanobacteria

Message from the Guest Editors

Cyanobacteria are among the most ancient organisms on Earth that have unique adaptive abilities. They inhabit various ecological niches (marine and fresh water, geothermal springs, soils, hot deserts, volcanic craters, and polar glaciers) and are believed to owe their survival to unusual genetic adaptations that allow them to thrive in different environmental conditions. Their widespread distribution is also due to the various secondary metabolites produced by the cyanobacterial strains, some of which are toxic and others help to form symbiotic associations with other groups of organisms. In recent years, there has been increased scientific interest in the different adaptation mechanisms, secondary metabolites and application of Cyanobacteria.

The aim of this Special Issue is to expand the current knowledge on the genomics and metabolomics of Cyanobacteria. We welcome the submission of original research articles, reviews, or short communications related to the structure, function, or evolution of the cyanobacterial genome, specific metabolites, biomarkers, adaptive mechanisms, and symbiotic relationships.

Guest Editors

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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.

Editor-in-Chief

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