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Genomics, Metagenomics and Phylogenomics of Cyanobacteria and Related Lineages

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Deadline for manuscript
submissions:

closed (10 October 2021)

Message from the Guest Editors

Cyanobacteria, also known as blue-green algae, are one of the most diversified groups of prokaryotes. It has recently been shown that cyanobacteria produce methane at a substantial rate, thereby raising the issue of their role in climate change. Moreover, their capacity to synthesize a range of bioactive compounds makes them promising for industry.

Due to the current debate regarding the taxonomy of this phylum, cyanobacterial genomes are now under intense scrutiny. With the decreasing cost of next-generation sequencing and the emergence of third-generation sequencing, improving our knowledge of Cyanobacteria has never been so exciting.

We welcome research articles and reviews in the field of genomics of Cyanobacteria and related lineages. More precisely, all manuscripts focusing on genome sequencing and assembly, genome mining and metabolic reconstruction, environmental metagenomics, phylogenomics, and software dedicated or applied to cyanobacterial genomics will be considered.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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