

## Special Issue

# Interactions between Microcystis and Bacteria

### Message from the Guest Editors

*Microcystis* is the most common harmful algal blooms species. *Microcystis* aggregates create environment with high pH and high dissolved oxygen concentration during day and low pH and low oxygen conditions at night. *Microcystis* blooms have been reported on every continent except Antarctica. There are more than 16 *Microcystis* genospecies.

Each *Microcystis* genospecies may require different bacterial partners to adapt to their environment. There should not only be energy cycling and matter cycling but also the genetic exchanges between *Microcystis* and their microbiome within the aggregates. Understanding interactions between *Microcystis* and associated bacteria will provide guidelines for management of harmful algal blooms taxon. Questions remain regarding the role of associated bacteria, co-evolution, and response to environmental changes. Studies related to associated bacteria diversity and function, *Microcystis* evolution, interactions between them and their response to environmental changes are welcome. Taxonomy, genome, or physiological studies of bacterial strains isolated from the aggregates are also welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2023)



## Water

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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