

# Special Issue

## Cyanobacterial Predatory: Underexplored Diversity and Future Challenges

### Message from the Guest Editor

While the majority of cyanobacterial research focuses on the environmental factors that control the bloom-forming species, toxin production, toxicity to livestock, etc., few studies focus on the diversity of predatory feeding on “prey cyanobacteria”, and how grazers or phages can influence the duration or even prevent the onset of blooms in aquatic systems. Although bacteriophages and metazooplankton grazers have garnered interest in recent decades, reports on other groups such as mixotrophic algae, protists and invertebrates are still scarce, despite their major contribution to ecosystem functioning. To date, no predatory archaeans are known, while a few bacterial species are well characterized as effective predators (belonging to only three phyla). This Special Issue is open, but not limited, to recent advances relating to new predator species, from bacteriophages to invertebrates that prey on cyanobacteria, and the underlying mechanisms of cyanobacterial cell lysis or toxin degradation/reduction. Short communications, critical reviews or challenging questions in the field are also particularly welcome.

### Guest Editor

Dr. Katia Comte

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### Deadline for manuscript submissions

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**Microorganisms**

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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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