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Physiological Ecology of Algae in the Oceans and Lakes

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Cyanobacterial and eukaryotic phytoplankton dominate primary production processes in open ocean and lake waters. This Special Issue focuses on the physiology of phytoplankton, i.e., the regulation of growth processes and stress responses, on the time scales of seconds to hours. Regulation involves the coordination of photosynthesis, nutrient assimilation, biosynthesis, and the energetic trade-offs between these processes. Of particular interest are measurements of processes that represent strategies to deal with fluctuations in environmental drivers. This Special Issue will further our understanding of how we can use the physiology of phytoplankton to understand the constraints and resources in their lake or open ocean environment.

Prof. Dr. John Rueter



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Special Issue



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Message from the Editor-in-Chief

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