

Special Issue

Function and Responses of Algae to Wastewater Treatment

Message from the Guest Editor

Abundant and diverse microalgal communities serve as an important base of healthy aquatic ecosystems. The potential impact of nutrient input from wastewater treatment plants to the local area should be considered in plant designs in order to avoid the harm caused by excessive microalgal growth. Conversely, microalgae can be used in a treatment plant to remove nutrients instead of conventional methods, such as the use of activated sludge. This alternative approach of using microalgae may be a more cost-effective and sustainable method of sewage treatment. We will review the impacts wastewater effluent discharges can have on microalgal growth in an ecosystem and explore how microalgae can be used in plant design to minimize the nutrient content present in wastewater effluent.

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2025)



Microorganisms

an Open Access Journal
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CiteScore 7.7
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"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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