

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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