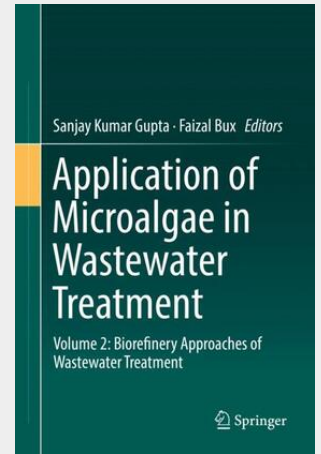


Application of Microalgae in Wastewater Treatment

Volume 2: Biorefinery Approaches of Wastewater Treatment

This two-volume work presents comprehensive, accurate information on the present status and contemporary development in phycoremediation of various types of domestic and industrial wastewaters. The volume covers a mechanistic understanding of microalgae based treatment of wastewaters, including current challenges in the treatment of various organic and inorganic pollutants, and future opportunities of bioremediation of wastewater and industrial effluents on an algal platform. The editors compile the work of authors from around the globe, providing insight on key issues and state-of-the-art developments in algal bioremediation that is missing from the currently available body of literature. The volume hopes to serve as a much needed resource for professors, researchers and scientists interested in microalgae applications for wastewater treatment. Volume 2 addresses the various biorefinery aspects and applications of algal-based wastewater treatment in industrial and domestic contexts. The analyses are approached from multiple perspectives, including biotechnology, commercial, economic, and sustainability. The authors discuss the potential of microalgae for integrated biomass production utilizing various resources to treat wastewaters, and include evaluations of the economical and commercialization potential for such processes.



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