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Biomass Conversion and Organic Waste Utilization in Wastewater

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Message from the Guest Editors

We invite you to contribute to this Special Issue, where we will publish papers discussing new techniques and methods for biomass conversion and organic waste utilization in wastewater areas, as well as new discoveries about the mechanisms and means of controlling of this process. It is crucial to shift from end-of-pipe approaches to integrated resource recovery. The management of high-concentration organic wastewater is a significant global issue, and its mishandling will lead to substantial environmental problems. However, this type of wastewater also has considerable potential within the circular economy, as it can extract various scarce resources such as water, energy, biofuels, fertilizers, and biopolymers. It is important to note that most current research primarily focuses on improving the removal efficiency of pollutants in high-concentration organic wastewater treatment, neglecting resource recovery. Therefore, wastewater treatment should prioritize the development of technologies that not only ensure adequate treatment of high-concentration organic wastewater but also enable resource recovery throughout the treatment process.



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Special Issue



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Message from the Editor-in-Chief

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