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## Plant- and Microbial-Based Novel Biosorbents

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### Message from the Guest Editors

Protecting aquatic ecosystems from pollution caused by anthropogenic activities is a major challenge. Since surface and groundwater are often contaminated with various organic and inorganic compounds, various methods are researched and developed to remove pollutants from water and wastewater, of which adsorption is the most commonly used due to its versatility, ease of application, and efficiency. The main problem with the use of conventional adsorbents is the price and fact that regeneration is not straightforward and may result in reduced adsorption capacity and also the disposal of spent adsorbents. Therefore, widely available and cheap materials, such as plant- and microbial-based, are investigated as possible low-cost adsorbents, either in their native or modified forms. The adsorption capacities of native biosorbents are often lower than the conventional adsorbents, so attempts are made to improve adsorption capacities through various modification techniques, including physical, chemical and biochar. This Special Issue deals with the development and application of novel plant- and microbial-based biosorbents for the effective removal of pollutants from water and wastewater.



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# Special Issue





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## Message from the Editor-in-Chief

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