Special Issue

Application of Biochar for Effective Removal of Hazardous Chemicals from Wastewater

Message from the Guest Editors

Biochar is a carbon-rich product obtained from thermal decomposition of biomass and waste under no oxygen or limited oxygen condition. Initial studies have been focused on its use as a soil amendment. However, recent advances in biochar production have extended its use in electrochemical energy storage, catalytic processes, water and wastewater treatment or other emerging applications. The papers of this special issue will address the current state of the art on the development, design, and operation mode of different biochar remediation processes. In addition, the advantages and disadvantages of this system in relation to other conventional processes will be considered. Although the focus of this Special Issue is the use of biochar for effective removal of hazardous chemicals from wastewater, contributions are not limited to this topic, and quality research in other emerging applications will be relevant for the scope of the Special Issue.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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