Special Issue

Biochar as a Sustainable Solution for Water and Soil Pollution: Removal of Organic and Inorganic Contaminants

Message from the Guest Editors

This Special Issue aims to highlight the innovative application of biochar as a sustainable, multifunctional material for mitigating water and soil pollution, encompassing both organic and inorganic contaminants. The scope covers comprehensive research, ranging from fundamental investigations of the physicochemical characteristics and modifications of biochar to practical studies on its efficacy in environmental remediation, alongside life cycle and socio-economic evaluations of biochar technologies. The primary emphasis will be on sustainable production techniques, sophisticated functionalisation approaches, and the incorporation of biochar into circular economy and climate mitigation systems. The topic aims to emphasise biochar's dual function in pollution mitigation and carbon sequestration, so aiding global sustainability objectives, including clean water, healthy soils, and climate action. This issue underscores the sustainable production and utilization of biochar, thereby directly contributing to discussions on innovative technologies that support the United Nations Sustainable Development Goals (SDGs).

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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