Special Issue

Application of Biochar in Degradation and Purification

Message from the Guest Editor

Along with the development and progress of the social economy, energy, and the environment have become the focus of global attention. The rational development of nature-based, green, and environmentally friendly biomass technology is conducive to the virtuous cycle of global environment and ecological resources. Biochar, rich in porous structure and oxygen-containing groups, is one kind of stable and inexpensive soil amendment. It can not only effectively adsorb pollutants (such as organic pollutants or heavy metals) and provide a favorable attachment interface with some specific functional groups for the stable attachment of microbes but also act as a soil conditioner to preserve soil moisture and improve soil properties, making it a highly promising agricultural soil remediation agent and environmentally friendly carrier. Therefore, it is my pleasure to invite you to contribute your research article, communication, or review to this Special Issue dedicated to novel biochar preparation, modification, and combination technology for the enhanced remediation and purification of multiple pollutants in various kinds of environmental systems.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2024)

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Editor-in-Chief

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