



Preparation of Biochar and Biochar Composites and Their Application

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Message from the Guest Editors

The production of biochar through pyrolysis process is one of the tools to mitigate climate change, since it is rich in recalcitrant carbon and it can be used as a carbon sink in the soil. In addition, it can help to reduce potential greenhouse emissions. Biochar is obtained from biomass materials, such as bioenergy crops, forest residues, organic waste, agricultural waste, sewage sludge, among others. Therefore, a new use can be given to an environmental liability. This material has been highlighted for showing many environmental and economic benefits.

This Special Issue on “Biochar and Biochar composites: preparation, characterization and application” will focus on:

- Preparation and characterization of biochar and biochar composites
- Carbon sequestration by biochar and biochar composites
- The development of adsorbents using biochar and biochar composites
- The thermal conversion of biomass to the application in soil
- Removal pollutants using biochar
- Wastewater treatment using biochar and biochar composites
- Studies to improving biochar properties and their application
- Prospects for the future development of biochar and biochar-based composite





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