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Application of Biochar, Adsorbent and Nanomaterials in Wastewater Treatment

Guest Editor:

Message from the Guest Editor

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Biochar is the carbon-rich material produced from organic feedstock under certain thermal combustion with limited oxygen. Recently, biochar has attracted increasing attention in environment pollution treatment because of its own advantages, such as a large surface area, rich carbon content, and abundance of functional groups, which depend on the different feedstocks and preparation methods. The papers of this Special Issue will mainly focus on three areas: (1) the processing and preparation methods of biochar and modification of biochar; (2) adsorbent and nanomaterial preparation from biochar and other bio-based materials; (3) application and mechanism studies of biochar and nanomaterial in wastewater treatment for the effective degradation or removal of heavy metals, toxic and harmful pollutants, etc. Although this Special Issue focuses on the preparation and utilization of biochar and nanomaterial in wastewater treatment, contributions are not limited to this topic. Other related topics such as new biochar-based materials and emerging applications of biochar will be relevant for this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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