Special Issue

Biochar Production and Modification for Environmental and Agricultural Applications

Message from the Guest Editor

Biochar technologies have gained increased interest over the past two decades due to a large number of successful applications in the environmental and agricultural fields. As a renewable, inexpensive, highly porous, carbon-rich and conductive biomaterial, biochar has demonstrated its efficiency in adsorption, wastewater treatment, biofuel, soil amendment, carbon sequestration, microbial fermentation, carbon-based catalyst preparation, and so on. This Special Issue aims to encourage and advance the research of biochar production technologies and biochar application in the environmental and agricultural fields and we invite you to contribute. Such contributions could cover novel systems, methods, and technologies for biochar production; new products based on biochar and biochar-related application in solving/mitigating various environmental and agricultural problems; modification methodologies for engineered biochar; new characterization protocols for biochar products; environmental impact and techno-economic assessment of biochar; biochar material used as additive, catalyst, and adsorbent; biochar market and economy.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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