

Special Issue

Waste-Derived Functional Materials: Application in Water and Wastewater Treatment

Message from the Guest Editor

Water pollution is a major threat to the sustainable development of human society; therefore, there is an urgent need to develop efficient and low-cost water and wastewater treatment technologies to ensure the supply of clean drinking water and the restoration of polluted water bodies. Currently, a large number of researchers have focused on the preparation and application research of waste-derived water treatment materials, which have significant environmental and economic significance. This Special Issue will concentrate on highlighting timely research including the latest applications of waste-derived functional materials in adsorption, photocatalytic degradation, electrochemical treatment, and advanced oxidation processes (AOPs). For this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Resource utilization of agricultural waste and its application in water and wastewater treatment.
- Resource utilization of industrial waste and its application in water and wastewater treatment.
- Resource utilization of water treatment residuals and its application in water and wastewater treatment.

Guest Editor

Dr. Huiping Zeng

Key Laboratory of Water Quality Science and Water Environment Recovery Engineering, Beijing University of Technology, Beijing 100124, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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