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

Guest Editor:

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Deadline for manuscript submissions:
closed (1 June 2024)

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.

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Message from the Editor-in-Chief

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