Special Issue

Materials from Biomass and Waste for Adsorption Applications

Message from the Guest Editor

This Special Issue is dedicated to innovative research and recent advancements in utilizing unmodified, modified, and functionalized biomass and waste materials as potent adsorbents to address water pollution challenges. Topics of interest include, but are not limited to, the following: the modification and characterization of adsorbents derived from various biomass and waste materials; adsorption studies on inorganic and organic pollutants; thermodynamic, equilibrium, and kinetic studies of adsorption; adsorption mechanism analysis; the process design of pollutant removal using theoretical calculation methods, modeling, and simulation; and regeneration and recovery assessments. Authors are encouraged to submit original research papers, reviews, and short communications in these areas.

Guest Editor

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Editor-in-Chief

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