



materials



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Porous Materials for Biomedical Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Porous materials featuring high surface areas, narrow pore size distribution, and tunable pore diameters have attracted a great deal of attention due to their relevant properties and applications in various areas including adsorption, separation, sensing, catalysis, pollutant removal, CO₂ capture, energy storage, catalytic oxidation and reduction processes, conversion of biomass to biofuels, and drug delivery. Due to the development of a wide range of these materials with varying morphologies (e.g., hexagonal, cubic, rod-like), chemistry (e.g., silicates, carbons, metal oxides, hybrid materials, metal-organic frameworks), and functionalities, this field is currently one of the most advanced in materials science.

This Special Issue aims to collect novel research studies or comprehensive review papers in the fields of synthesis, design, characterization, modeling, and applications of porous materials and their biomedical applications.



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Special Issue



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Message from the Editor-in-Chief

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