



Porous Materials for Wastewater Treatment (2nd Edition)

Guest Editor:

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Deadline for manuscript
submissions:

10 October 2024

Message from the Guest Editor

Dear Colleagues,

Porous materials, including microporous zeolites, mesoporous silica, aerogels, biochar, metal–organic frameworks (MOFs), and covalent organic frameworks (COFs), have found application due to their excellent adsorption, separation, ion exchange, and catalytic properties. Water pollution caused by organic pollutants, heavy metals, phosphate in water, and toxics has garnered increasing attention. The practical significance of the abovementioned aspects has encouraged the edition of this Special Issue of *Nanomaterials*, focusing on recent advances in “Porous Materials for Wastewater Treatment”.

This Special Issue is primed as a multidisciplinary study of some currently known and porous-material-based wastewater treatments. Potential topics include, but are not limited to, the following:

- i) Advancements in porous-material-based wastewater treatment;
- ii) new methods such as the biotemplate method for the synthesis of porous materials;
- iii) porous materials for wastewater treatment;
- iv) challenges with the porous-material-based wastewater treatment.

See more information in: <https://www.mdpi.com/si/199143>

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Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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