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Porous Materials for Wastewater Treatment (2nd Edition)

Guest Editor:

Prof. Dr. Jiaqiang Wang
School of Materials and Energy, School of Chemical Sciences & Technology, Yunnan Institute of Frontier Technologies in Water Treatment, National Center for International Research on Photoelectric and Energy Materials, Yunnan University, Kunming 650091, China

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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

Prof. Dr. Jiaqiang Wang
Guest Editor

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Editor-in-Chief

Prof. Dr. Shirley Chiang
Department of Physics, University of California Davis, One Shields Avenue, Davis, CA 95616-5270, USA

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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Contact Us

Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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