

Special Issue on
Advanced Nanoporous Materials for Sustainable Environment

CALL FOR PAPERS

With the vast industrialization and growth of human civilization, the harm of environmental pollution has led to a greater public awareness of the potential global crisis. For this reason, the development of pollution-free technologies for both environmental remediation and clean energy supplies has become an urgent task. Due to the tunable porosity, exceptional internal surface area, and tailored structure, nanoporous materials have experienced fast development and displayed promising applications in the removal of hazardous materials. Recently, there have been several important works focused on environmental remediation utilizing nanoporous materials. However, reports on highly selective and efficient removal of pollutants from the environment using novel multifunctional nanoporous materials remain limited.

This special issue aims to provide a comprehensive source of information on novel nanoporous materials' interactions with environmental systems, as well as the design, development, and use of nanomaterials and nanotechnologies for sustainability. We welcome original research papers and review articles covering all aspects of the production of nanoporous materials, along with the properties or applications of nanoporous materials relating to environmental remediation. Submissions to this special issue should contain chemistry in a materials context and can be theoretical and/or experimental studies.

Potential topics include but are not limited to the following:

- ▶ Synthesis and characterization of nanoporous materials for environmental applications
- ▶ Multifunctional nanoporous materials for the hazardous compound removal
- ▶ Application technologies of nanoporous materials for environmental remediation
- ▶ Nanoporous materials for water treatment, air purification, carbon capture, and conversion
- ▶ Nanoporous materials for heterogeneous catalysis and photocatalysis in the environment

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jnm/afnse/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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