

Special Issue on
Porous Materials for Environmental Application

CALL FOR PAPERS

The rapid development of porous nanomaterials has attracted enormous attention of the research community. The porosity should have specific impacts on the material properties or application with higher reactivity and larger specific surface area than bulk phase. Up to now, they have found wide applications in environmental areas such as pollutant adsorption, catalytic degradation of pollutants, and pollutant detection. Typical examples are zeolites and zeolite-like materials, activated carbon materials, ordered mesoporous materials, or porous metal oxides. The optimization of morphology, scale, hierarchy, porosity, and physicochemical property of porous materials, as well as comprehensive understanding of mechanisms in environmental applications, still pose challenges.

The objective of this special issue is to provide a platform for researchers to report their up-to-date progresses on porous nanomaterials and their applications in environmental areas. We invite contributions of original research articles and review articles from both theoretical and experimental aspects, aiming to advance the fundamental understanding and practical application of porous materials.

Potential topics include but are not limited to the following:

- ▶ Nanomaterial synthesis
- ▶ The modification of porous solids
- ▶ Adsorption using microporous or mesoporous adsorbents
- ▶ Catalysis by microporous and mesoporous materials
- ▶ Zeolites and zeolite-like materials
- ▶ Activated carbon materials
- ▶ Theoretical and computational modeling in both atomistic and mesoscale

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

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

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