



Mesoporous Materials for Photocatalytic and Environmental Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Mesoporous materials are a broad family of porous solids, with pores sizes between 2 and 50 nm, including ordered mesoporous silicas, organosilicas, zeolites, zeolite-like materials, mesoporous TiO₂, templated carbons, pillared materials, and so on.

This Special Issue is aimed at covering recent research and new trends in the use of mesoporous materials for photocatalytic and environmental applications such as gas sensing, sequestration and/or conversion of gaseous organic pollutants (greenhouses gases and VOCs), removal of heavy metal ions from contaminated water, removal and/or conversion of organic pollutants from contaminated water, with particular attention paid to emerging pollutants and enzyme immobilization for the bio-catalytic removal of organic pollutants.

Contributions in the form of research papers, communications, and reviews are welcome. Reviews on the design, the synthesis, and the surface functionalization of mesoporous materials will be also considered.





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