

Special Issue

Engineering Porous Materials: From Synthesis to Real-World Applications

Message from the Guest Editors

The Special Issue will serve as a platform for contributions that delve into various facets of porous materials and composites, encompassing design principles, synthesis strategies, characterization techniques, and application potentials. Topics include, but are not limited to, the following:

- Design Principles for Porous Materials: Research focusing on the rational design of porous materials with tailored properties for specific applications.
- Synthesis Strategies for Porous Materials: Studies detailing innovative synthesis techniques for the fabrication of porous materials with controlled morphology, pore size distribution, and surface chemistry.
- Characterization Techniques for Porous Materials: Advances in characterization methods for elucidating the structure, composition, surface properties, and pore structure of porous materials.
- Applications of Porous Materials: Investigations into the diverse applications of porous materials in fields such as catalysis, gas adsorption and separation, environmental remediation, sensing, biomedical applications, thermoelectric generation, and energy storage (e.g., batteries, supercapacitors).

Guest Editors

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