



## Synthesis, Characterization and Applications of Nanoporous Functional Materials

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Deadline for manuscript  
submissions:

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### Message from the Guest Editors

Nanoporous materials have attracted considerable attention for various applications, such as catalysts, energy storages, sensors, bioapplications, environmentally-related application, etc., due to the high surface area, functions, easy hybridization ability with other materials. In general, the nanoporous structure can be made by bottom-up or top-down approaches through the integratin of fields of material science, chemistry, nanotechnology, etc. Recently, nanoporous structures are being applied to polymers, metals, metal oxides, and carbons to improve their properties in applications. Therefore, synthesis and characterization of nanoporous materials are very important. This Special Issue explores scientific advances of nanoporous functional materials in diverse applications and includes research articles focusing on experimental studies, as well prospective discussing practical applications.





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## 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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