

Special Issue on
Nanoporous Materials for Biosensing Application

CALL FOR PAPERS

In recent years noteworthy progresses have been made in the synthesis, characterization, functionalization, and design of nanoporous materials including theoretical modelling to fabrication and application to the biological field which elucidate their performance at different geometry scale. Because of their high specific surface larger area, well-defined but tunable geometry, and multifunctionality, nanoporous materials have been acknowledged as favorable candidates for numerous sensing applications including immunosensor, biofuel, sensors, bioseparation, pollution control, and drug delivery. This special issue focuses on the recent developments in the fabrication of nanoporous materials that comprise novel routes to fabricate them as well as find the application in the field of biological recognition and sensing field. The structural/morphological characterization, properties, and potential applications are in various area of interest. The journal embraces the interdisciplinary propagation of understanding by motivating various approaches in wide range of disciplines of nanotechnology.

This journal is a peer-reviewed journal with current impact factor of 1.75. The aim of this special issue is to get high quality papers from leading research groups with diverse backgrounds in nanoporous materials and its application to discuss the scientific and technological boundaries. Synthesis and fabrication of nanoporous materials and its application in detection of biological molecules or directed-assembly methods, adsorption, separation, catalysis, and nanomedicine are the key focus of this special edition. Submissions will also incorporate theoretical and computational aspects of nanoporous materials and its application. Original high quality research article, review, short commentary that are not published elsewhere or that are not currently under review by other journals are sought.

Potential topics include but are not limited to the following:

- ▶ Synthetic approaches and applications of various type of nanoporous and mesoporous materials
- ▶ Biocompatibility of the nanoporous materials
- ▶ Nanoporous materials for cell separation and biomolecular sensors
- ▶ Self-assembly of nanoparticles in porous structures to improve the sensing capabilities

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

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

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