

## Special Issue

# Silica-Based Molecular Sieves in Sustainable Chemistry

### Message from the Guest Editor

To face the global challenges concerning sustainability issues arising from rapid industry development and population increase, many efforts have been made to develop new silicon based molecular sieves and technologies toward environmental improvement.

Methods of producing these porous materials eco-friendly have attracted much attention recently. The exploitation of renewable raw material sources, the recovery of waste/by-products, the development of products synthesis by means of soft chemistry opens up vast opportunities. Silicon based molecular sieves have also been investigated in energy storage processes and they are also finding promising applications in many sustainable processes including as catalyst. The purpose of the present Special Issue is to collect state-of-the-art work on silicon based molecular sieves as potential solutions to the sustainability issues but also on their green and efficient production. Review articles or research papers dealing the synthesis, properties and applications are solicited and welcomed.

### Guest Editor

Prof. Dr. Angélique Simon-Masseron

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### Deadline for manuscript submissions

closed (30 April 2022)



## Nanomaterials

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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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### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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