

## Special Issue

# New Insight into Microporous and Mesoporous Materials

### Message from the Guest Editors

Microporous and mesoporous materials are one of the most versatile materials in the world, they are used in many applications, in adsorption processes (decoloration, pollutant removal, etc.), as heterogeneous catalysts, as catalyst supports, in electrocatalysis and energy storage. They can be obtained from different raw materials, their pore volume and size distribution can be tuned with subtle modifications of synthesis conditions. Although these materials have been used for a long time, the interest in improvement is still at peak, manifesting in attempts to specially fit pore size, shape and size distribution to specific applications. On the other hand, the design of chemical surface of pores is crucial, a good combination of pore shape and size together with an adequate chemical surface is the major goal in the preparation of many advanced materials. The chemical characteristics can be modified, doping with heteroatoms or by coating, or deposition of a second material phase. This Special Issue will deal with recent advances in microporous and mesoporous materials design, preparation, applications. Full papers, short communications, and reviews are welcome.

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### Guest Editors

Prof. Dr. Agustín Francisco Pérez-Cadenas

Prof. Dr. Francisco Carrasco-Marín

Dr. Sergio Morales-Torres

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### Deadline for manuscript submissions

closed (31 December 2020)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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