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Novel Pathways to Process and Harness Porous Materials

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2020)

Message from the Guest Editor

This Special Issue is focused on innovative routes to the synthesis micro-, meso-, and macroporous materials, as well as pioneering and/or exotic approaches to harnessing their properties, directly (as-prepared) or indirectly (composites). Topics include, but are not limited to:

- Novel strategies to fabricate zeolites, zeotypes, micro-, meso-, and macroporous materials, or ways to improve traditional synthetic approaches;
- Innovative porous materials-based composites (inorganic, organic, hybrids), addressing pore-filling;
- Exotic porous materials (semiconductors, binary, ternary, quaternary);
- Exotic architectures for traditional compounds (high degree of ordering, orientation, periodicity);
- Addressing crystallinity in porous materials;
- New insights into the properties of porous materials;
- Use of porous materials in optical applications (non-linear optics, photonic crystals, meta-materials, surface-enhanced Raman scattering); thermoelectric applications; sensing applications; and microfluidic applications.

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Message from the Editor-in-Chief

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