Special Issue

Mesoporous Silica-Based Materials for Sustainable Technologies

Message from the Guest Editors

Mesoporous silica has received enormous attention due to its structural and economic features and advantages, namely high surface area, remarkable chemical, thermal, and mechanical stabilities, optical transparency, as well as uniformity of pore distribution. Mesoporous silica-based materials have been directly used through specific tailoring of desired properties, such as functionality, pore size and shape, or as reliable solid supports in the preparation of novel composite materials. Over the past decade, mesoporous silica-based materials have emerged as enabling materials for a wide variety of green and sustainable technologies, including catalysis, energy conversion, gas storage and separation, wastewater treatment, pollutant sensing, etc. This Special Issue focuses on developing green, sustainable mesoporous silica-based materials preparation, characterization, and their applications. The contribution of original research manuscripts or relevant critical review articles in this scientific field is both welcome and important for the current issue.

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Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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