



Mesoporous Silica and Their Applications

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Message from the Guest Editors

Ordered and non-ordered mesoporous silicas have been considered fascinating materials for many technological applications due to their porous structure and morphological features. The possibility of a controlled chemical modification with functional moieties (organic molecules, enzymes, organometallic compounds, metallic nanoparticles, etc.) has opened new routes to facing the challenges of the new millennium. Research towards green synthetic methodologies to produce functional mesoporous silicas is highly desirable to match contemporary economic and environmental sustainability issues.

This Special Issue of *Materials* is aimed at providing an overview on the many aspects of mesoporous silicas, including smart design, advanced and green synthetic approaches, physicochemical characterization, computational modeling, and structure–properties correlations, in different type of applications: Heterogeneous catalysis and biocatalysis, nanomedicine, bioremediation, etc.





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Message from the Editor-in-Chief

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