

## Special Issue

# Applications of Silica and Silica-Based Composites

### Message from the Guest Editors

This Special Issue is intended to present studies on the preparation and characterization of controlled functionalized porous materials with tailored properties that can be used in different applications. The functionalization of porous silica materials has been used to tune their physical and chemical properties for different applications, such as drug carriers, gas storage materials, water pollutants adsorbents, or asphalt modifiers. The topics of interest include, but are not limited to: the preparation of functionalized porous materials via co-condensation or post-grafting methods; the structural and morphological characterization of these materials with tailored properties; functionalized silica materials for hydrogen, methane, or carbon dioxide storage; functionalized porous silica materials as drug carriers; functionalized mesoporous silica materials used for the removal of dyes, heavy metals, or other pollutants from wastewater; and functionalized silica materials used as an asphalt modifier.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 August 2024)



## Materials

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Impact Factor 3.2  
CiteScore 7.0  
Indexed in PubMed



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### Message from the Editorial Board

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