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## Advances in Silica Xero- and Aerogels: From Synthesis to Structure–Activity Relationship

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Deadline for manuscript  
submissions:

**closed (20 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue on “Advances in Silica Xero- and Aerogels: From Synthesis to Structure–Activity Relationship” is dedicated to recent developments from fundamental aspects to the synthesis, characterization, and applications of silica xero- and aerogels.

Different synthesis routes can be applied for the synthesis of silica particles. Especially the sol–gel technique offers a flexible and versatile approach to synthesize a wide range of nano-/micro-structures. The present Special Issue has the general aim to present the different synthesis approaches, the relations between the synthesis parameters, and the final product properties.

The increasing number of scientific papers on the relation between silica materials/composites’ structure and activity shows the importance of this topic; therefore, this Special Issue also focuses on silica xero- and aerogels’ chemical composition and textural and morphological characterization at the micro- and nano-scale level.

We welcome papers about the application of different silica materials and composites in biology, optics, catalysis...



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**Special** Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

*Gels* (ISSN 2310-2861) is recently established international, open access journal on physical and chemical gel-based materials. The journal aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. General topics include but not limited to synthesis, characterization and applications of new organogels, hydrogels and ionic gels made either from low molecular weight compounds or polymers, composite and hybrid materials where a metal is by some means incorporated into the gel network, and computational studies of these materials in order to provide a better understanding of gelation mechanism. We cordially invite you to consider publishing with us and contribute with your own grain of sand to the advance in this fascinating field.

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