Special Issue

Functionalized Gels for Environmental Applications

Message from the Guest Editors

As of the Special Issue “Functionalized Gels for Environmental Applications” in *Gels*, we would like to invite you to contribute to its success. Based on your valuable expertise in this research field, we are confident that you can submit a manuscript that meets the journal’s criteria for significance and scientific excellence. This Special Issue is dedicated to the synthesis, characterization, and application of functionalized or doped matrices (e.g., hydrogels, aerogels or sol–gels) for environmental purposes such as the sensing or removal of different toxic analytes. The chemical functional groups or the doping materials such as noble metal nanostructures, quantum dots, carbon nanotubes, etc. play several roles, donating further features to the host matrix such as particular optical, mechanical or electrical properties, and interacting with the surrounding environment. In addition, the employment of hosting matrices increases the handling and portability, and opens new horizons for in situ environmental applications. Experimental and theoretical scientific research in environmental applications are warmly welcome.

Guest Editors

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Deadline for manuscript submissions

closed (10 September 2023)

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About the Journal

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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).