

Special Issue

Synthesis, Properties and Applications of Carbon Aerogel

Message from the Guest Editors

This Special Issue, titled the “Synthesis, Properties and Applications of Carbon Aerogel”, is dedicated to publishing novel theoretical and fundamental research focused on the design, synthesis, characterization, and applications of carbon aerogels. Potential topics for this Special Issue include, but are not limited to, the following: Carbon precursor or carbon nanomaterials for producing new carbon aerogels;

Advanced or industrialized fabrication strategy;

Nano/microstructure design of carbon aerogels;

Carbon-aerogel-based nanocomposites;

Theoretical and fundamental analysis of carbon aerogel (physical, spectrum, analytical, density functional theory, etc.);

Carbon aerogels with high performance and advanced applications (electromagnetic wave shielding/absorption, electronics, catalysis, energy storage/conversion, optoelectronic, thermal application, biomedical, etc.).

We are pleased to invite you to submit details of your latest research work in any research field relevant to this Special Issue. Submissions of short communications, full research papers, and review papers are all welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)



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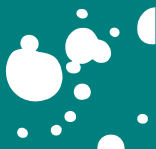
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About the Journal

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

Prof. Dr. Esmail Jabbari

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Author Benefits

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Rapid Publication:

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).