

## Special Issue

# Advances in the Design and Application of Gels in Heritage Conservation

### Message from the Guest Editors

Gels are particularly effective for cleaning solvent- or water-sensitive and complex surfaces, as well as for consolidation and protection treatments in conservation practices, and have already demonstrated great potential and unprecedented performance, especially as cleaning systems. More recently, research has increasingly focused on the development of greener materials, incorporating bio-derived components or renewable feedstocks into gel formulations. This shift aims to provide sustainable alternatives to traditional methods, which often rely on petroleum-based substances and inefficient procedures, and to further promote sustainable development within the cultural heritage sector.

We welcome the submission of new results on the development and application of gels in cultural heritage, with particular interest in greener materials, sustainable conservation practices involving gel applications, and theoretical insights into gel-substrate interactions.

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### Guest Editors

Dr. Chiara Biribicchi  
Prof. Dr. Gabriele Favero  
Dr. Alessandro Ciccola

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### Deadline for manuscript submissions

10 November 2026



## Gels

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## About the Journal

### Message from the Editorial Board

*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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### Editors-in-Chief

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