



High-Surface Area Advanced Materials and Their Applications

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Message from the Guest Editors

High-surface area materials have crucial significance in all processes that rely on interface phenomena, as the yield and intensification of these processes directly depend on the extent of surface available for interaction and/or reaction. These may include adsorption, separation/barrier, catalysis, or storage/release processes, both in solid–liquid and solid–gas systems, and they play a key role in several sectors of technological development such as energy, electronics, sensors, environment, health, and manufacturing industries.

This Special Issue aims to gather cutting-edge works related to the synthesis, development, and testing of high-surface-area advanced materials, which can inspire researchers in industry and academia to contribute toward the design of novel materials or improved materials for diverse applications.

This Special Issue is an initiative of the Junior Euromat 2022 (<https://junioreuromat.org/>), an event that will contribute to the formation and the development of the skills of young materials scientists and engineers in Europe and will promote close contact between science and industry.





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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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