



Engineered Gels for Environmental Applications

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

Gels may be used in wet state, as in the case of hydrogels, or be dried by several strategies to remove the swelling agents, still retaining their porous structure. Supercritical drying or freeze-thawing are the most prominent examples of methods that allow the drying of gels, often maintaining intact the pore size distribution of the solid network. Very singular mesoporous materials, such as aerogels and cryogels, can be prepared by these methods. Nonetheless, the use of green routes and sustainable precursors for the synthesis of these materials cannot be disregarded, nor can the possibility to reuse them several times or to reintroduce them in their own synthesis.

Considering all the above, this Special Issue targets the latest trends and advances on engineered gels for environmental applications, including energy storage and/or conversion, clean energy production, thermal and acoustic insulation, water and soil remediation, agriculture, soil erosion, and recycling of materials and/or wastes. Emphasis will be given to the utilization of new gel formulations fabricated with an eco-friendly (green) way.





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Message from the Editor-in-Chief

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