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Supramolecular Gel II

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Message from the Guest Editors

Supramolecular gels represent one of the new frontiers of materials chemistry. Built by the feeble and cooperative supramolecular interactions occurring among low molecular weight compounds (gelators), they are featured in 3D networks which are able to immobilize solvents through the occurrence of capillary forces.

Their classification is solvent-based and together with more common organo- and hydrogels; more recently, ionogels have also attracted research attention. In all cases, the gel texture proves more porous with respect to polymeric gels. Furthermore, they are frequently able to be restored after the action of external stimuli. These abilities have significantly favored their application, and they are currently applied in different fields, such as pharmaceutical, environmental, synthetic fields, etc.

The issue is aimed at collecting contributions on studies on the obtaining of gel phases and their characterization, in the attempt to better clarify the relationship between gelator, solvent nature, and gel phase formation. On the other hand, investigations of the plethora of supramolecular gels applications will also be taken into account.



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Message from the Editor-in-Chief

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