Special Issue

Recent Advances in Organogels and Their Applications

Message from the Guest Editors

In this Special Issue, we will focus on recent advances in organogels, which are gels formulated with organic liquid phases, and are distinguished from hydrogels (i.e., gels infiltrated with water/aqueous solutions in a three-dimensional network). Owing to their inherent semi-solid property, organogels manifest various unique characteristics, such as surface lubricity and anti-drying capacity, arousing particular interests in diverse practical applications. Organogels may also be made from solutions of proteins, polymers or fatty acids in oil. The macromolecular species crystallize, or assemble, into mesh structures that inhibit oil flow, thus producing edible oleogels that may be used for the formulation of cosmetic products or as fat replacement in foods, as examples. Papers describing the most recent progress in emerging applications of organogels, including anti-icing, anti-fouling, droplet manipulation, drug delivery, food processing, etc., are welcomed in this Special Issue.

Guest Editors

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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.

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