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Multifunctional Microgels: Synthesis, Properties, and Applications

Guest Editors:

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Microgels constitute a special class of crosslinked, water-swellable polymer colloids being the focal point of research in the fields of gels and soft, stimuli-responsive polymeric materials. As their physicochemical properties can be altered by numerous external stimuli, they appear in a broad range of research that includes studies on structure, dynamics, molecular modeling, and applications.

Microgels are extensively studied as drug/gene carriers, microreactors, and sensors. Here, control over chemical composition and the resulting microgel morphology is a key factor in developing structures suited for specific demands. To monitor the recent progress in this topic we dedicate our Special Issue to “Multifunctional Microgels: Synthesis, Properties, and Applications”. We look forward to the submission of new results on this broad and extremely interesting subject, and we hope that they will stimulate new research and broaden our understanding of microgels.

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Editor-in-Chief

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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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