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Colloid Chemistry

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Deadline for manuscript submissions:
closed (30 April 2017)

Message from the Guest Editors

Dear Colleagues,

Colloid chemistry summarizes creating and understanding the behaviour of colloidal systems and how chemical methods and techniques can be used to control and modify properties of the bulk and the surface of colloidal particles. Colloidal reaction systems, such as emulsions, are used for the formulation of nanoparticlate systems, but also as nanoscaled reactors for a variety of reactions. The small confined reaction space may alter the reaction conditions and products, when compared to conventional syntheses. Defined and controlled reactions on particle surfaces allow the introduction of functional groups as well as interactions among the particles to be tuned, e.g., for improved colloidal stability, controlled self-assembly, or interaction with biological systems.

As an interdisciplinary topic, contributions from chemistry, physics, biology, and medical sciences, especially when touching several disciplines, are welcome to show the extent and impact of colloidal chemistry.

Prof. Dr. Clemens K. Weiss
Guest Editor

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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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