



Physical Chemistry of Colloids

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editor

I am delighted to invite you to submit works that advance the field of fabrication and characterization of colloidal materials for this Special Issue. The search for new colloidal materials starts from the synthesis of novel microscopic and nanoscopic building blocks. For instance, particles of complex geometries and surface functionalities may self-assemble into fascinating two- and three-dimensional architectures, whereas their material composition might be used to introduce responsiveness to external fields (e.g., magnetic fields). Then, it is paramount to characterize the structural properties of the colloidal assemblies using numerical models or experimental techniques, such as microscopy or light scattering. The next step is to investigate, and eventually control, the dynamical and mechanical response to external fields, local forces, and shear flows. Finally, the last two decades have witnessed a growing demand for active soft materials which can sustain their own motion without manpower due to the self-propulsion of the colloidal units.

I look forward to receiving your manuscript. Full papers, communications, and mini reviews are all welcome.





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Editor-in-Chief

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Message from the Editor-in-Chief

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