Special Issue

Structure, Dynamics, and Aggregation of Soft Materials

Message from the Guest Editor

Soft matter includes a great diversity of materials—from polymers, gels, colloids, foams, and emulsions to surfactants and liquid crystals, granular materials and most biological matter—with an intrinsically heterogeneous structure, slow dynamics, and the ability to aggregate into simple or very complex and hierarchically organized architectures. Within a field that is so broad and open to different disciplines, this Special Issue calls for any contributions that highlight recent developments related to structure, dynamics, and aggregation of soft materials. A small (and highly personal) selection of themes that, among others, may be covered are:

- The world of microgels: synthesis, characterization, and applications as model systems or innovative functional materials;
- The challenge of plastics: new strategies of recycling, and new bio-based formulations;
- Strategies to control and use the spontaneous aggregation of molecules, polymers, or colloidal particles into supramolecular or complex structures;
- Synthetic biomimetic materials.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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