Special Issue

Rheological Properties of Nanomaterials

Message from the Guest Editor

Rheology plays a crucial role in characterizing polymeric nanomaterials. In this case, we can apply rheological measurements from two viewpoints: - To characterize the final polymeric nanomaterials; - To characterize entry polymeric materials (solutions, melts, surfactants, and the possible presence of nanoparticles or other additives). The proper rheological tuning of the entry parameters can result in corresponding tailor-made polymeric nanomaterials that are applicable in various industrial, medical, and other branches. Rheological characteristics subject to process parameters and analyses from various aspects are welcome. The interlacing between the behaviour of polymeric nanomaterials in external fields (magnetic, electric) and their rheological description is of high interest as well. This Special Issue of "Rheological Properties of Polymeric Nanomaterials" will attempt to cover the recent advancements in the development of polymeric nanomaterials from the viewpoint of a rheological approach simultaneously respecting other process parameters.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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