Special Issue

Mechanical and Rheological Behaviour of Polymer-Based Systems

Message from the Guest Editors

Rheology plays a fundamental role in investigating the processability of new polymer-based systems, and rheological characterization requires more and more advanced techniques and interpretations of the results. This is not limited to thermoplastic systems but can apply also to thermoset resins and related composites. At the same time, another one being related to the mechanical properties of the obtained products. Depending on the final application, adequate mechanical properties may be required. It may be often fundamental to find an optimal balance between several mechanical properties. This Special Issue intends to assess the state-of-the-art and the recent advances in the field of the mechanical and rheological behaviour of polymer-based systems, focusing on effects related to new formulations, the presence of fillers, etc., as well as on the optimization of characterization techniques and the interpretation of results. It is our pleasure to invite you to submit a manuscript to this Special Issue on the Mechanical and Rheological Behaviour of Polymer-Based Systems. Full papers, communications, and reviews are all welcome.

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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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