Special Issue

Polymer Rheology and Processing of Nano- and Micro-Composites (Second Volume)

Message from the Guest Editor

Micro- and nano-composites are increasingly prevalent technologies that improve the properties of polymeric materials, and have promising applications in different fields. One of the current challenges for this technology is the obtention of a homogeneous dispersion of micro- and nanoparticles in the plastic. Rheology is a powerful tool that provides crucial knowledge regarding the interaction between the different phases added to polymeric matrices and the processing of composites. Thus, the rheological characterization and computational modelling of composites provide critical information about the compatibility of the different phases and the processing of the final material. Moreover, these new materials demand the development of innovative processing methods and technologies that can result in novel applications. In this Special Issue, we welcome the submission of original research papers and reviews reporting experimental and computational investigations of the viscoelastic properties as well as progress and modernization in processing technologies for micro- and nano-composites.

Guest Editor

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