



## Advanced Polymer Simulation and Processing

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Deadline for manuscript  
submissions:

**closed (18 December 2022)**

### Message from the Guest Editors

Dear Colleagues,

Polymer-processing techniques are of utmost importance for producing polymeric parts. The main concern is to produce parts with the desired quality, which is usually related to the mechanical performance, dimensional conformity, and appearance. Aiming to maximize the overall efficiency of the polymer-processing techniques, advanced modelling codes along with experimental measurements are needed to simulate and optimize the processes.

Thus, this Special Issue will welcome contributions which exploit the digital transformation of the plastics industry, both through the creation of more robust and accurate modelling tools and cutting-edge experimental techniques. Furthermore, contributions on advanced topics, such as crystallization during the solidification processes, prediction of fiber orientation in the cases of short and long fiber composites, prediction of the foaming process (such as microcellular foaming), and flow instabilities by the inclusion of viscoelastic constitutive equations are welcomed.

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*Guest Editors*





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## Message from the Editor-in-Chief

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