

## Special Issue

# Advanced Polymer Simulation and Processing

### Message from the Guest Editors

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. Dr. Célio Fernandes Pro. Dr. Luís Lima Ferrás Pro.

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### Guest Editors

Dr. Célio Bruno Pinto Fernandes

Dr. Salah Aldin Faroughi

Prof. Dr. Luís L. Ferrás

Dr. Alexandre M. Afonso

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### Deadline for manuscript submissions

closed (18 December 2022)



## Polymers

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### Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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