

Special Issue

Reactive Extrusion Process

Message from the Guest Editor

Reactive extrusion is one of the major processes used in polymer industry for various applications like polymerization, polymer modifications, controlled degradation, in situ blend compatibilization, etc. It combines the advantages of extrusion (continuous process, versatility of processing conditions, etc.) with the specificities of a chemical reactor (reaction kinetics, side reactions, etc.). Mastering reactive extrusion processes requires optimizing not only the processing conditions (screw profile, temperature, residence time, etc.) but also the sequence of introduction of the various ingredients and the control of the reaction development. In this Special Issue, expected contributions will cover the different aspects of the Reactive Extrusion Processes, such as experimental characterization, modelling and simulation, process optimization, development and properties of new materials, industrial applications, etc.

Guest Editor

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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 4.9.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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