



Processing of High Performance Polymeric Materials: Modeling and Characterization

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Message from the Guest Editors

Dear Colleagues,

High-performance polymers are characterized by outstanding thermal stability, chemical resistivity, and mechanical properties. In addition, they are suited for a variety of applications in many different areas, including automotive, aerospace, defense, electronics, medical, and sport and safety equipment. This Special Issue of *Polymers* is dedicated to the Process Modeling and Characterization of high-performance polymers. Computational modeling and simulation have been emerging as an indispensable tool, nowadays, to complement and/or guide experiments in every field. The complex and intriguing mechanical/physical properties of polymeric materials, originating from the multiple spatial and temporal scales, call for advanced multiscale computational techniques in order to account for all-important mechanisms in polymers.

This Special Issue aims to compile original and cutting-edge research works in the field of characterization, manufacturing, and applications of high-performance 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 5.0.

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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