

Special Issue

Manufacturing of Polymer-Matrix Composites

Message from the Guest Editors

Polymer–matrix composites play a central role in the energy transition with their low density. Wind rotor blades, pressure tanks for hydrogen, battery housings—none of these applications can operate without those materials. Lightweight materials combined with a high degree of functional integration offer many opportunities to reduce moving masses and thus significantly contribute to resource efficiency and sustainability. The properties of the composite parts can be tailored based on the type of reinforcement and the selected processing technique. In this Special Issue, new approaches with respect to the processing of polymer composites will be presented and discussed.

Contributions focused on the manufacturing of polymer–matrix composites in any of the following topics are of particular interest:

- Novel processing approaches for thermosets as well as for thermoplastic polymer composites;
- Fibers and textiles;
- Additive manufacturing technologies for polymer composites;
- Resource-efficient processing technologies for polymer–matrix composites;
- Joining technologies for polymer composites;
- Process monitoring, modeling, and control.

Guest Editors

Prof. Dr. Thomas Neumeyer

Leibniz Institute for Composite Materials (IVW), University of Kaiserslautern–Landau (RPTU), 67663 Kaiserslautern, Germany

Prof. Dr. Volker Altstädt

Department of Polymer Engineering, University of Bayreuth, 95444 Bayreuth, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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