

Special Issue

Polymer-Based Fiber Reinforcements: Synthesis, Structure, Characterization and Application

Message from the Guest Editors

The growing interest in innovative and performing materials has made composite materials an object of interest for research due to their excellent strength/weight ratio and the variety of fields of application (aerospace, automotive, sports, and construction). Many studies concern the research of new techniques for the production of composites with a polymer matrix and fiber reinforcements, from pultrusion to filament winding. However, these conventional techniques require the use of molds, and this inevitably raises costs. Other studies, on the other hand, concern the optimization of processes for existing techniques, to obtain high-performance materials, and at the same time, to obtain light materials. The present Special Issue aims to focus on research related to innovative technologies, manufacturing processes, and composite materials for high-performance components. Contributions may be related to conventional or unconventional processes, highlighting novel aspects of processing and manufacturing methods, coating technology, fiber treatments and materials that can be used to obtain high-performance components.

Guest Editors

Dr. Ilaria Papa

Department of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II, 80125 Naples, Italy

Dr. Francesco Napolitano

Institute of Polymers, Composites and Biomaterials, National Research Council, Via Campi Flegrei, 80078 Pozzuoli, Italy

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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