Special Issue

Polymer Fiber and Nanowire Reinforced Materials

Message from the Guest Editors

Nanocomposites are defined as multiphase materials in which at least one of the constituents has a nanometre dimension. Nanowires created from polymers have been used as reinforcing agents in conducting polymers and non-conducting thermoplastics and thermosets, such as polypyrene, polyaniline, polythiophene, polyurethane, acrylic polymers, polystyrene, epoxy, and rubber. Polymer/nanowire nanocomposites have the ability to affect stiffness, strength, electrical conductivity, thermal, piezoelectric and photovoltaic properties at low nanofiller loading levels. This Special Issue covers a variety of aspects of nanowires as reinforced materials, including the influence of polymer matrix and nanowires on nanocomposite characteristics. Materials characterisation, dynamic mechanical properties, and microstructural characterisation of polymer fibres and nanowire-reinforced materials are possible topics. Additionally, this issue will accept reviews on polymer fibres and nanowire-reinforced materials.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/111816

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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
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