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Polymer Fiber and Nanowire Reinforced Materials

Guest Editors:

Dr. Rajab Abousnina
School of Engineering, Faculty of Science and Engineering, Macquarie University, Sydney, NSW 2109, Australia

Dr. Benchaa Benabed
Civil Engineering Research Laboratory (LRGC), University of Laghouat, Laghouat, Algeria

Dr. Khouloud Jlassi
Centre for Advanced Materials, Qatar University, Doha 2713, Qatar

Deadline for manuscript submissions:
closed (30 September 2023)

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.

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Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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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Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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