







an Open Access Journal by MDPI

New Polymer Fibers: Production and Applications

Guest Editors:

Dr. Joana Costa Vieira

Fiber Materials and Environmental Technologies Unit (FibEnTech-UBI), Universidade da Beira Interior, 6201-001 Covilhã, Portugal

Dr. Ana Paula Costa

Fiber Materials and Environmental Technologies Unit (FibEnTech-UBI), Universidade da Beira Interior, 6201-001 Covilhã, Portugal

Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

At present, in a new era where knowledge and science are tools to develop new materials with new characteristics, all scientists are called on to develop these new materials to meet the new requirements often imposed by society, in a more sustainable, efficient, and less expensive way. The future advances and knowledge in these scientific topics are sure to impact daily life worldwide.

This Special Issue, "New Fibers: Productions and Its Applications", aims to be a collection of high-quality original/review papers focusing on recent progress in:

- a) New natural and synthetic fibers: production processes. properties upgrade and possible applications;
- b) Novel fiber-based materials;
- Additives and fiber modifications: product characterization and nanotechnologies improve physical properties of fiber-based materials;
- d) Composites, smart, sustainable, and other novel fiberbased materials.

Keywords: natural fibers; physical properties; synthetic fibers; process production; applications; composites; biomaterials; smart materials; nanomaterials; sustainable materials

Dr. Joana Costa Vieira













an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (Polymers and Plastics)

Contact Us