



an Open Access Journal by MDPI

Advanced Preparation and Application of Cellulose

Guest Editors:

Dr. Marta Fernandes

Centre for Textile Science and Technology (2C2T), Campus de Azurém, Universidade do Minho, 4800-058 Guimaraes, Portugal

Dr. Jorge Padrão

Centre for Textile Science and Technology (2C2T), University of Minho, 4800-058 Guimarães, Portugal

Deadline for manuscript submissions: closed (29 February 2024)



mdpi.com/si/133319

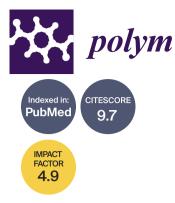
Message from the Guest Editors

Today's world is witnessing a growing concern for the environment as a result of global warming, energy crises, and waste generation. The growing demand for products with a low environmental impact has led to a greater focus on sustainable and renewable materials by the scientific community. In this scenario, cellulose is one of the most prominent candidates for use in different fields of applications in a sustainable manner, with regard to its abundant availability from various resources. In particular, nanocellulose presents outstanding characteristics, such as renewability, a high aspect ratio, good mechanical properties, excellent biocompatibility, hydrogen-bonding capacity, reinforcing potential, and degradability.

The scope of this Special Issue is to report recent achievements in the advanced preparation and emerging applications of cellulose-based materials. In particular, topics of interest include, but are not limited to, the following:

Special sue

- Healthcare;
- Water purification;
- Energy storage;
- Filtration;
- Environment;
- Automotive;
- Aerospace;
- Defence;
- Sensors;
- Adhesives;
- Packaging;
- Food;



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

Author Benefits

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 highquality 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

Open Access: free for readersjovithalrby/semdingsvisyoutrarighs (AABC) paidday: duplaperor. We their institutions. would be pleased to welcome you as one of our authors. **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 (General Chemistry)

Contact Us

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