



an Open Access Journal by MDPI

# Novel Copolymers: Preparation, Characterization, and Applications

Guest Editors:

# Prof. Dr. Shiao-Wei Kuo

Department of Materials and Optoelectronic Science, Center of Crystal Research, National Sun Yat-Sen University, Kaohsiung 804, Taiwan

#### Dr. Mohamed Gamal Mohamed

Department of Materials and Optoelectronic Science, Center of Crystal Research, National Sun Yat-Sen University, Kaohsiung 804, Taiwan

Deadline for manuscript submissions: **25 October 2024** 

### **Message from the Guest Editors**

## Dear Colleagues,

A copolymer is a polymer that is made up of two or more different monomer units. These monomer units are typically joined together through a process called copolymerization, which involves the simultaneous polymerization of two or more different monomers. Copolymers can have a variety of different properties, which depend primarily on the specific monomers that are used in their production. For example, copolymers made from hydrophilic and hydrophobic monomers can be used to create materials with both water-repellent and waterabsorbing properties. Additionally, copolymers can be designed to have specific mechanical, thermal, or electrical properties, depending on the intended application. Some examples of copolymers and conducting polymers.

Prof. Dr. Shiao-Wei Kuo Dr. Mohamed Gamal Mohamed *Guest Editors* 



mdpi.com/si/170664







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 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 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**

*Polymers* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/polymers polymers@mdpi.com X@Polymers\_MDPI