



Advances in Coordination Polymers

Guest Editors:

Prof. Jhy-Der Chen

Department of Chemistry,
Chung-Yuan Christian University,
Chung-Li 320, Taiwan

Dr. Yung-Sheng Yen

Department of Chemistry, Chung
Yuan Christian University, Chung-
Li, Taiwan

Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editors

Dear Colleagues,

Coordination polymers are composed of metal ions and bridging organic ligands as primary constituents linked through covalent bonds and other weak chemical bonds to generate infinite assemblage type of networks. In the case of ordered structures, they can be named as coordination networks or metal-organic frameworks (MOFs). Coordination polymers have attracted a great attention not only due to their potential properties as novel zeolite-like materials for separation, ion exchange and catalysis, but also their intriguing structure and diverse topologies. The applications of structural transformations observed in coordination polymers are significant for sensors and switches.

The scope of the Special Issue involves the synthesis, structural characterization, topologies, properties and applications of all type of coordination polymers. Of particular interests are the new structures and functions resulting from the synthesis of the materials featuring specific property, and new insights on the structure-property relationship leading to enhanced functionality.

Prof. Jhy-Der Chen

Guest Editor

Prof. Yung-Sheng Yen

Co-guest Editor





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 (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](#)