Special Issue

Synthesis, Application and Characterization of Coordination Polymers

Message from the Guest Editor

This Special Issue is dedicated to exploring the synthesis, application, and characterization of coordination polymers. Coordination polymers, crystalline hybrid materials containing both inorganic and organic components and featuring extended structures with coordination bonds, have emerged as a subject of significant interest in condensed matter. Leveraging the advantageous properties of both inorganic and organic building blocks due to their hybrid nature, these materials often exhibit novel and intriguing properties or functionalities, including but not limited to electronics, magnetism, host–guest chemistry, ion exchange, catalysis, nanotechnology, fluorescence, and nonlinear optics. Therefore, there is a pressing need to investigate strategies for designing innovative coordination polymers with intricate network topologies and comprehending their structure-property relationships for various applications. The primary objective of this Special Issue is to present original research and reviews that focus on the synthesis, characterization, structural topologies, physical and chemical properties, and applications of this new class of coordination polymers.

Guest Editor

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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 4.7.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker
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