



Advances in Coordination Polymers

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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.

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polymers



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