

Special Issue

Application of Metal Containing Polymers

Message from the Guest Editors

Metal-containing polymers, also named organometallic polymers or metallopolymers, are a class of polymers that can contain a variety of metal centers from the main group to transition metals and lanthanides. Furthermore, metal centers can be located either in the side group of the polymer or at the chain ends. The targeted design of metal, ligand, and spacer group combinations and variations in polymeric architectures allows precise functions of the material for a variety of different applications. With the incorporation of metal complexes into polymers, the advantageous properties of polymers (e.g., targeted molar masses, functional groups, different polymeric architectures, processability, easy scale-up) are combined with those of metal complexes including catalytic activity, electronic and optical properties, or biomedical potential. Thus, applications areas of metal-containing polymers are versatile and extend from catalysis and self-healing materials to conductive materials or nanoscience.

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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 4.9.

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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