Special Issue

Cross-linked Polymers for Metals ions Removal or Concentration of Noble/Rare Metals

Message from the Guest Editor

This issue contains a collection of research papers related to heavy metal removal via ligand exchange mechanism (chelation) and ion exchange; polymeric systems acceptable for selective or nonselective extraction of noble metal ions from diluted solutions using smart polymers (molecular imprinted polymers, polymeric membranes, polyelectrolytes).

Topics:

Methods of extraction of metal nanoparticles or metal oxide nanoparticles

Nontoxic modified cross-linked polymers for the selective removal of harmful ions from biological fluids

Methods of regeneration of polymeric systems, as well as methods of utilization of polymers after the adsorption of metals

Smart polymers used for the desalination of sea water

Effect of adsorption of metals on mechanical properties of polymers

Polymers with given properties applicable for efficient radionuclides separation or extraction

Composite polymer-metal systems for energy storage and catalysis

Guest Editor

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Deadline for manuscript submissions

closed (25 April 2021)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/60582

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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 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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