



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

Guest Editor:

Message from the Guest Editor

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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).

Deadline for manuscript
submissions:

closed (25 April 2021)

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





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Message from the Editor-in-Chief

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