



## Functional Polymers for Separation and Purification Applications

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### Message from the Guest Editor

Dear Colleagues,

The recent advances in functional polymers are mainly focused on the applications of smart functional materials in the field of separation and purification processes. The developments of novel polymers with specifically designed properties to serve multiple purposes are greatly recommended. Therefore, the derivatization or modification from traditional polymers, such as cellulose, chitosan, silica gel, polypropylene glycol, rubbers, etc., to multifunctional smart materials are important research directions in the field of separation and purification fields. Especially important, functional polymers could form aqueous two-phase systems with another polymer, inorganic salt or ionic liquid, and could be applied for efficient separations of drugs, natural products, organic compounds, metal ions from complex mixtures.

This Special Issue is concerned with the applications of functional polymers in separation and purification field. Topics may include polymer derivatization, aqueous two-phase extraction, ionic liquid, separation and purification technology, bio-separation, etc. Both original research manuscripts and review manuscripts are welcome.





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