Special Issue

Functional Polymers for Separation and Purification Applications

Message from the Guest Editor

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.

Guest Editor

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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 4.7.

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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