



## Functional Polymeric Adsorbents

Guest Editor:

**Dr. Tetyana Budnyak**

Division of Nanotechnology and Functional Materials, Department of Materials Science and Engineering, Uppsala University, 752 36 Uppsala, Sweden

Deadline for manuscript submissions:

**closed (15 October 2022)**

### Message from the Guest Editor

Due to chemical contamination, water pollution remains a serious environmental and public problem. Adsorption is one of the most attractive methods for the extraction of molecules or ions from aqueous solutions, as it can be conducted in mild conditions. In order to create both an efficient and sustainable process, the decisive aspect is the type of sorbent material. In this light, biomacromolecules, biobased and biodegradable polymers, are promising materials for the synthesis of functional adsorbents due to their unique physicochemical properties, specific functionality, abundance, and low cost. Therefore, this Special Issue is focused on the development of functional adsorbents for water purification. Original research papers and short reviews addressing the synthesis, characterization, and investigation of the influence of biomacromolecules' originality and nature on the properties of functional materials as perspective adsorbents for water treatment are invited for submission.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

Fraunhofer-Institut für  
Angewandte Polymerforschung,  
Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
Universität Potsdam,  
Geiselbergstraße 69, 14476  
Potsdam-Golm, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/polymers  
polymers@mdpi.com  
X@Polymers\_MDPI