polymers

IMPACT FACTOR 4.9

Indexed in: PubMed

CITESCORE 9.7

an Open Access Journal by MDPI

# Application of Alginate-Based Composites

Guest Editor:

**Prof. Dr. Melissa Gurgel Adeodato Vieira**
School of Chemical Engineering, University of Campinas (UNICAMP), Cidade Universitária Zeferino Vaz, 13083-852 Campinas, São Paulo, Brazil

Deadline for manuscript submissions:
**closed (10 November 2022)**

## Message from the Guest Editor

Alginate is a natural biopolymer extracted from brown seaweeds that has been extensively investigated to remove organic and inorganic pollutants from aqueous solution. This polysaccharide has interesting characteristics that make it attractive for application as an adsorbent, such as biodegradability, high biocompatibility, nontoxic, abundance, inexpensiveness, and ability to form gels in the presence of multivalent cations, besides its viscosification and stabilization properties. Therefore, alginate can be combined with different materials in order to obtain promising alginate-based composites with attractive properties for application in adsorption processes. Accordingly, this Special Issue is focused on high-quality alginate-based composite development for application in adsorption processes regarding the removal/separation of organic and inorganic compounds from aqueous solutions.

*polymers*

IMPACT FACTOR 4.9 | Indexed in: PubMed | CITESCORE 9.7

an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Alexander Böker**
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 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 4.7.

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.

## 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