

## Special Issue

# Sustainable Polymer Composite Adsorbents: Preparation, Characterization and Applications

### Message from the Guest Editor

Polymers and their composites have contributed significantly to the field of adsorption science and technology. Polymers can range from synthetic systems such as polyethylene glycol, polyacrylamide, and polystyrene to diverse natural polymers, e.g., starch, cellulose, chitin, and chitosan, that are accompanied by unique structural and functional properties. In an effort to achieve sustainability goals related to water, food, energy, and health, the role of adsorbents needs to be demonstrated. In an effort to develop improved adsorbent materials, polymers and polymer composites are envisaged to contribute to this goal due to their structural diversity and multi-functional properties. Colleagues are invited to contribute original research papers and critical reviews addressing recent progresses on all aspects of innovative adsorbents that address advances in the field of adsorption science and technology. Topics that highlight developments based on unique and innovative adsorbents derived from polymer composites and that include the synthesis, characterization, structure–function relationships, and applications are welcome to be submitted.

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### Guest Editor

Dr. Lee D. Wilson

Associate Professor, Department of Chemistry, University of Saskatchewan, 110 Science Place, Saskatoon, SK S7N 5C9, Canada

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### Deadline for manuscript submissions

closed (20 March 2025)



## Polymers

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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 4.9.

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.

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### 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

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