

## Special Issue

# Advanced Polymeric Membranes for Environmental and Energy-Related Applications

### Message from the Guest Editors

In recent years, membrane technology has made significant strides in water desalination and wastewater treatment. It currently plays a crucial role in addressing global environmental and energy challenges due to the rapid growth of industries. However, existing commercial polymeric membranes face difficulties balancing permeability and selectivity, as well as issues with chemical resistance and stability in harsh environments. Researchers are actively working on developing advanced membranes that are resistant to acids and solvents, offer high selectivity for specific ions, and meet the evolving needs of various industries. This Special Issue focuses on advancements in innovative polymeric membranes for environmental and energy uses. It includes novel methods for producing membranes, unique properties of membranes, analyses of novel membranes, and assessments of membrane separation performances. The goal of this Special Issue is to showcase the latest developments in advanced membranes with unique features that go beyond traditional membranes and to broaden the scope of membrane technology applications.

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### Guest Editors

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### Deadline for manuscript submissions

20 July 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 4.7.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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