

## Special Issue

# Functional Group-Modified Polymers: Property Investigation and Applications

### Message from the Guest Editor

This Special Issue covers the synthesis, characterization, and application of functionalized polymers and nanocomposites for environment protection, energy conversion, and sensors. In these fields, polymers are dominant due to their satisfying performance, cost-effectiveness, controllable membrane structures, properties, and scalable production capacity. To further ameliorate their performance in terms of selectivity, stability, reactivity, and transport, their functionalization with nanoparticles and/or functional groups such as sulfonic, carboxyl, and quaternary ammonium represents a new winning strategy.

### Guest Editor

Dr. Simona Filice

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### Deadline for manuscript submissions

closed (30 September 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

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