

## Special Issue

# Functional Polymer Materials for Efficient Adsorption of Pollutants

### Message from the Guest Editor

- With increasing concerns over human health risks and ecological sustainability, there is a pressing need for efficient, sustainable, and cost-effective solutions to address contamination from industrial, agricultural, and domestic sources. This Special Issue, entitled "Functional Polymer Materials for Efficient Adsorption of Pollutants", aims to explore the latest advancements and innovations in the development of polymer-based materials designed for the effective adsorption of pollutants.
- This Special Issue focuses on functional polymers that exhibit superior adsorption capabilities for a wide range of pollutants. Furthermore, this Special Issue will delve into the mechanistic insights underlying adsorption processes. Therefore, we invite contributions that highlight novel polymer architectures, innovative functional strategies, and advanced characterization techniques, as well as studies on adsorption kinetics, selectivity, and material recyclability. I believe this Special Issue will not only advance the field of pollutant remediation but also contribute to the development of next-generation materials for environmental monitoring and sustainable resource management.

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### Guest Editor

Dr. Jing Jin

Dalian Institute of Chemical Physics, Chinese Academy of Sciences,  
Dalian, China

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### Deadline for manuscript submissions

closed (30 November 2025)



## Polymers

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## About the Journal

### 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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