

## Special Issue

# Polymer Materials in Road Engineering: Performance Evolution and Mechanisms

### Message from the Guest Editors

This Special Issue aims to explore the latest advancements in polymer material applications in road engineering. We cordially invite submissions focusing on the design, synthesis, and modification of polymer-based materials (including modified asphalt and sealing, composite, and smart materials) for road construction and maintenance. Topics covered include performance characterization, structure–performance relationships, durability assessment, environmental impact evaluation, and engineering application case studies. This Special Issue strives to bridge the gap between materials science innovation and engineering practice, addressing challenges in material performance regulation, sustainability, and long-term service life. Original research papers and review articles are welcome. This Special Issue will provide a platform for researchers and engineers to exchange ideas and jointly promote the development of polymer materials technology in the field of road infrastructure.

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### Guest Editors

Dr. Yujing Chen

Dr. Wenxiu Jiao

Dr. Wangjie Wu

Dr. Yangsen Cao

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### Deadline for manuscript submissions

31 July 2026



## Polymer

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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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