

## Special Issue

# Advances in Hydrogel-Dedicated Food Packaging Applications

### Message from the Guest Editors

This Special Issue, entitled “Advances in Hydrogel-Dedicated Food Packaging Applications”, aims to highlight the latest developments and innovations in relation to the use of hydrogel-based materials in active and intelligent food packaging and other applications.

This Special Issue appreciates studies dedicated to innovative hydrogel-based materials, especially the formation and functionalization of hydrogel-based films with improved barrier and mechanical properties. We appreciate functionalization of hydrogels with fibers, particles, antimicrobial agents, and antioxidants, colorimetric indicators as well as the development of novel eco-friendly crosslinking methods. The Special Issue highlights novel aspects in the formation and functionalization of advanced hydrogel materials and their characteristics in food packaging and other applications. We extend a cordial invitation to members of the academic and scientific communities to contribute original research papers, as well as reviews, on the formation, functionalization, and characterization of advanced hydrogels for food packaging and other applications.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2025)



## Polymers

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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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