

Special Issue

Recent Advances in Polymer Adhesives and Dynamic Adhesives

Message from the Guest Editors

Adhesives create bonds between materials with similar or different properties through surface adhesion and can be categorized as either permanent bonding adhesives or dynamic adhesives. Optimal bonding involves strongly adhering to various substrates with a minimal amount of adhesive to meet practical application needs while allowing for removal as necessary. During use, the adhesive must withstand prolonged exposure to harsh environments, such as high and low temperatures, high salinity, acidic and alkaline conditions, and light exposure. In this Special Issue, we aim to capture the cutting-edge of the state of the art in research on adhesives and related materials. Focusing on new adhesive materials, sealants-manufacturing technologies, physical and mechanical properties, interfacial interactions, surface chemistry, and their related applications will form the core of this special issue. Additionally, fundamental research on adhesion technology and adhesive materials is highly encouraged.

Guest Editors

Prof. Dr. Shuaiyuan Han

Prof. Dr. Gang Wang

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Deadline for manuscript submissions

closed (11 September 2025)



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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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