

Special Issue

Polymers in the Fight Against Viruses: Innovations and Applications

Message from the Guest Editors

Polymers have emerged as indispensable tools in the fight against viral diseases, offering groundbreaking solutions for both understanding and combating viral infections. This Special Issue delves into the diverse roles of polymers in virology, encompassing their use in studying viral structures and mechanisms and their application in innovative antiviral strategies. The adaptability and tunable properties of polymers make them ideal candidates for addressing the complex challenges posed by viruses, from rapid detection to therapeutic intervention. The scope of this Special Issue extends to biodegradable and sustainable polymers, which offer environmentally friendly solutions to antiviral challenges, and advanced materials designed to interact with viral structures at the molecular level. Contributions to this Special Issue should explore the synthesis, characterization, and application of these cutting-edge materials, highlighting the intersection between polymer science and virology as a fertile ground for innovation.

Guest Editors

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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 4.7.

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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