

Special Issue

Polymer-Based Materials Incorporated with Bioactive Compounds

Message from the Guest Editor

Polymer-based materials combined with bioactive compounds represent a significant advancement in various fields, particularly in healthcare, food packaging, and environmental applications. These innovative materials leverage polymers' unique properties and the functional benefits of bioactive compounds, leading to enhanced performance and multifunctionality. While the potential of polymer-based materials with bioactive compounds is exciting, several challenges remain. These include stability issues, controlled release mechanisms, and regulatory hurdles for food and healthcare applications. Future research is focused on overcoming these challenges by exploring new synthetic methods, optimizing formulations, and conducting extensive safety assessments. Polymer-based materials incorporated with bioactive compounds represent a dynamic intersection of material science and biotechnology. As research progresses, these materials are expected to be increasingly vital in enhancing functionality and performance in various applications.

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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