



Biopolymer Matrices for Incorporation of Bioactive Compounds

Guest Editors:

Prof. Dr. Caio Gomide Otoni

Prof. Dr. Mariana Agostini de Moraes

Prof. Dr. Patrícia Melchionna Albuquerque

Prof. Dr. Priscilla Carvalho Veggi

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Message from the Guest Editors

In recent years, bioactive compounds have been studied for different types of activity, such as antimicrobial, cytotoxic, and antioxidant, among many others. However, these biomolecules present poor stability, which can be improved by incorporation into (bio)polymeric matrices. Biopolymers are good candidates to be used as a matrix for the incorporation of bioactive compounds; they can be processed in the form of particles, hydrogels, and films, showing intrinsic properties of biodegradability and biocompatibility; and they can also be used as platforms for enzyme immobilization, with multipurpose applications.

With a focus on exploring the use of biopolymeric matrices, the potential topics include but are not limited to the following: (i) conventional and innovative methods for the encapsulation of bioactive compounds, (ii) co-encapsulation systems of biopolymers, (iii) innovative methods for impregnation of actives on biopolymeric matrices, (iv) controlled release of bioactive compounds from biopolymeric matrices, and (v) biopolymers as support carriers for the immobilization of enzymes.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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Polymers Editorial Office
MDPI, St. Alban-Anlage 66
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