

## Special Issue

# Polymer Composites in Biomedical Applications

### Message from the Guest Editors

It is well known that the demand for using polymer composite biomaterials in various medical applications has increased significantly across the globe over the last few years. Recent developments in the area of material science and biomedical engineering have enabled an impressive progress in attempts to develop innovative polymer composite biomaterials thanks to their tailorable manufacturing processes and characteristics comparable to those of the host tissues. However, for successful applications, some properties, such as mechanical properties, durability, biodegradability, bioactivity, etc., need to be optimized and tuned as a function of the specific application.

This Special Issue is concerned with the preparation and characterization of polymer composites for various biomedical applications. There are no limits in terms of biomedical application (i.e., soft, hard tissue, others) nature (biodegradable or not), composition, type of polymers (natural or synthetic polymers) and nature and dimension of the fillers. Both original contributions and reviews are welcome.

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### Guest Editors

Dr. Donatella Duraccio

Dr. Maria Giulia Faga

Dr. Giovanna Gomez D'Ayala

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### Deadline for manuscript submissions

closed (31 October 2021)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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