

## Special Issue

# Polymer-Based Materials for Tissue Engineering and Regenerative Medicine

### Message from the Guest Editors

Polymers, including natural, synthetic, and biocomposites, are of paramount interest in tissue engineering and regenerative medicine. Polymer-based biomaterials have been extensively studied due to their availability, biocompatible and biodegradable properties, processability, and low toxicity. The continuous search for improved solutions is crucial for the progress of new and more efficient approaches in tissue engineering and regenerative medicine for the different biomedical applications (bone, cartilage, tendons, ligaments, skin, vascular tissues, and neural tissues). To contribute to this goal, the aim of this Special Issue is to collect and disseminate high-quality scientific contributions in this interdisciplinary field. We invite scientists from different fields to contribute with recent original research or comprehensive review articles. The following topics within, but not limited to, the scope of this Special Issue are:

3D polymeric-based implant;

Design of polymeric-based implant;

Design of biomimetic polymeric-based implant;

Synthesis and functionalization of polymeric implants;

Processing and performance of polymeric implants;

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### Guest Editors

Dr. Carla Moura

Prof. Dr. Nuno Manuel Fernandes Alves

Dr. Ana Colette Maurício

Prof. Dr. Joaquim Ciurana Gay

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### Deadline for manuscript submissions

closed (30 November 2023)



## Polymers

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**Impact Factor 4.9**  
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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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