



## Functional Biodegradable Polymeric Systems for Tissue Regeneration

Guest Editors:

### Dr. Jone Muñoz Ugartemendia

1. Department of Mining and Metallurgical Engineering and Materials Science, Faculty of Engineering, Bilbao, Spain  
2. POLYMAT-Basque Center for Macromolecular Design and Engineering, Donostia, San Sebastian, Spain

### Dr. Robert Aguirresarobe Hernández

POLYMAT and Polymers and Advanced Materials: Physics, Chemistry and Technology department, University of the Basque Country (UPV/EHU), 48940 Leioa, Spain

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### Message from the Guest Editors

Tissue repair and regeneration is one of the major challenges of these days. Biodegradable polymers play a important role in tissue engineering. Their tunable degradation times, and physical, chemical, electrical and mechanical properties, make it possible to design advanced functional 3D scaffolds to regenerate different tissues. The combination of biodegradable polymers with nano- and micro- fillers make even wider the possibility of getting new advanced cell substrates for effective tissue regeneration. Moreover, advanced processing techniques and the incorporations of biologics or drug delivery might boost biodegradable polymeric systems in this field.

This Special Issue aims to present a collection of original research papers and state-of-the-art reviews that focus on advanced functional polymeric systems for applications in tissue engineering. Topic of interest include:

- Development of functional biodegradable polymeric substrates
- Development of electroactive biodegradable polymeric systems
- Development of nano- and micro- structured biodegradable composites
- Fabrication of functional scaffolds for bone and neural tissue regeneration



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## Editor-in-Chief

### Prof. Dr. Alexander Böker

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

## Message from the Editor-in-Chief

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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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*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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