



Advanced Biodegradable Biomaterials

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Message from the Guest Editors

Dear Colleagues,

With the development of material technologies, metal-based, polymer-based, and ceramic-based biomaterials are developing continuously. Many new biodegradable materials have been developed with prospective application potential in recent years. This Special Issue invites those working on research and application of biodegradable biomaterials to contribute their research achievements or reviews on new biodegradable biomaterials in order to promote people to better understand and be involved in these studies. The topics of interest include (but are not limited to):

Additively manufactured biodegradable biomaterials

Multifunctional biomaterials

New biodegradable biomaterials for application in
medicine and biology

Advanced production techniques for biodegradable
biomaterials

Mechanical properties of metallic biomaterials

Antimicrobial and infection-resistant implants and
biomaterials

Biomaterial–tissue interfaces

Coatings and surface treatments of biodegradable
biomaterials

Biodegradable metallic biomaterials including magnesium,
zinc, iron, and their alloys

New areas of application for biodegradable biomaterials

Surface patterning of biodegradable biomaterials





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Editor-in-Chief

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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