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New Generation of Degradable/Biodegradable Materials and Composites

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to introduce a new generation of degradable/biodegradable materials and composites. Three-dimensional printing and other advanced manufacturing techniques will make it possible to create biodegradable materials with tailored properties to satisfy the needs of individual applications. These approaches include exploring the potential of hybrid materials that integrate the advantages of different biodegradable materials, such as combining the strength of a polymer with the biodegradability of a natural material.

Electronic devices use new biodegradable materials, such as silk protein, cellulose, and chitosan, possessing biocompatibility, biodegradability, and mechanical flexibility, making them suitable for several applications. High-precision manufacturing employs 3D printing, inkjet printing, and lithography techniques.

We invite the research community to submit a manuscript to this Special Issue. Full papers, communications, and reviews are welcome, including production processes, characterization, and simulation.

Dr. Rui Miranda Guedes
Dr. André Ferreira Costa Vieira
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Guest Editors

Special Issue



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Message from the Editor-in-Chief

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