

Special Issue

New Generation of Degradable/Biodegradable Materials and Composites

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2024)



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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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