

Special Issue

Towards Zero Waste: Bio-Based and Biodegradable Materials in Waste Management

Message from the Guest Editors

Enormous scientific and industrial interest has been paid to biodegradable polymers in recent years, particularly in relation to chemical structure tailoring, physical property improvement, material design for food/biomedical applications, and degradation processes. Each aspect plays a critical role in pushing the limits of bio-based/biodegradable materials in order to compete against the fully industrialized engineering plastics. This Special Issue aims to cover the most recent progress in bio-based/biodegradable materials development, including their preparation, processing, structure–property relationship, and recycling. Papers relating to (but not limited to) application in the packaging, food, medical, cosmetics, electronics, and automobile industries are welcome. We hope that this Special Issue will present perspectives on the future of bio-based/biodegradable materials. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

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Message from the Editorial Board

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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