Special Issue

Advanced Materials for Circularity: Recycling of Polymer Blends and Composites

Message from the Guest Editors

The main focus of this Issue is on innovative polymer waste management, state-of-the-art recycling technologies, and novel compounding approaches and how they shape the properties and applications of sustainable polymer blends and composite materials. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Advanced polymer waste sorting and pre-treatment technologies for complex waste materials.
- Next-generation polymer recycling processes for enhanced recycle quality and incorporation in polymer blends and compounds.
- Compounding and formulation strategies for high-performance recycled polymers.
- Characterization and optimization of analytical, physical, mechanical and end performance of recycle polymer compounds.
- Life cycle assessment (LCA) and techno-economic analysis of polymer blends and compounds containing recycles.
- Policy instruments, market dynamics, and consumer behavior in recycle polymer blends and composites.

We look forward to receiving your contributions.

Guest Editors

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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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