Special Issue

Recycling and Processing of Waste Materials

Message from the Guest Editors

Research on the development of sustainable materials and the progressive application of recycling processes and strategies have been experiencing a worldwide growth over the last decade. In this regard, both research and industries have been attempting to develop new strategies and materials based on waste sources and renewable resources; as a result, recycling technology has developed and experienced an almost middle-age maturity period. Terms and definitions, such as materials circularity, circular economy, and life cycle assessment (LCA), are born accordingly to make the qualitative and quantitative analysis of the efficiency and performance of recycled materials and recycling techniques possible. Processing waste materials through mechanical, physical, chemical, and combined techniques are among the most common to process and convert waste materials into products with added value. In line with the growing trend in recycling and processing, as well as upcycling techniques used for the management of waste materials, we collect manuscripts related to this topic.

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Deadline for manuscript submissions

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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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