Special Issue

Sustainability, Circular Economy and Waste Recycling: Advances in Materials Research

Message from the Guest Editor

Today, ecological problems impose a limited production of plastics and non-biodegradable materials and their replacement by materials with a low environmental impact. Biodegradable macromolecules and their composites are desirable candidates for a wide range of applications to overcome the difficulties of waste disposal. Moreover, one of the most crucial trends in current research on the development of new materials is associated with the use of waste raw materials or industrial by-products. This Special Issue aims to highlight advanced research on the development of new eco-friendly materials and new technologies for Sustainability and the Circular Economy. Original research, Review articles, Case studies and Research papers focusing on chemical, Engineering and physical processes, developed of new green materials and other investigations are accepted. Papers focusing on topics such as Sustainability, Circular Economy, and Cost-effective Technologies for different applications, are also welcome.

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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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