Special Issue

Advances in Waste Materials' Valorization

Message from the Guest Editor

The sustainable management of natural resources remains one of the principal economic and environmental challenges. Efforts to address this complex issue range from the development and implementation of cost-effective and more resource- and energy-efficient production technologies to the recovery and reuse of waste materials. Considerable progress has been made so far with the adaptation of circular economy principles, but further advancements and the creation of a more interdisciplinary approach are still needed in this field. This Special Issue aims to provide a platform for researchers and practitioners from various scientific disciplines, involved in common efforts to reduce natural resource demand and waste volume while reusing and recycling solid, liquid, and gaseous waste materials of industrial, municipal, and agricultural origins, to present recent advances in this field. Authors are invited to contribute full research and review papers, as well as communications, to this Special Issue.

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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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