

Special Issue

Recovery of Waste Materials: Technological Research and Industrial Scale-Up

Message from the Guest Editor

The circular economy already allows the recycling of many wastes from either the domestic cycle or the demolition of civil structures; however, the recovery of industrial wastes appears more difficult and demanding. Industrial wastes come from processing and nonprocessing industries, as well as utilities such as packaging materials, food wastes, spoiled metal, plastic and textiles, fuel burning residuals, and spent processing chemicals. Heavy metals can be recovered from industrial residues, such as rare earths from the waste of fluorescent lamps, precious metals from end-of-life photovoltaic panels or cellular electronic cards; moreover, agri-food wastes can be used as heavy metal adsorbents. Low-cost and reduced environmental impact technologies have been studied in the research area in the last twenty years; hence, development technological applications at an industrial scale are now necessary. For this reason, it is my pleasure to invite you to submit a manuscript for this Special Issue; full papers, communications and reviews are welcome aiming to propose technological solutions or consider recovery as a non-problem for the global community.

Guest Editor

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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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