



materials



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Catalysts and Catalytic Processes

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Deadline for manuscript
submissions:

closed (20 July 2022)

Message from the Guest Editors

This Special Issue will focus on waste plastic up-cycling, which is chemical recycling where the polymer is depolymerized and then repolymerized with the option to produce high value monomers, chemicals, fuel and liquid hydrocarbons. Waste plastic up-cycling has the main advantage of processing heterogeneous and contaminated polymeric waste without sorting and requires little or no pre-treatment.

We invite authors to submit manuscripts that will address the topics of waste plastic up-cycling; related catalysis, process & plant design, techno economic assessment, life cycle analysis, reduction to practice; the production of monomers, chemical intermediates/products, and refinery-like liquids; and the circular monomer–plastic economy.



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Special Issue



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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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