



materials



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Green Manufacturing of Materials: Properties and Sustainability

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Message from the Guest Editors

Materials constitute the foundation of products. Frequently, the expected functions to be delivered by a product imply the design and manufacture of a new material. This is why research on materials is a regular demand and how composite, nano, photonic, phononic, smart materials and others were conceived and are under continuous development, and new materials are being researched.

However, the environment is currently a top concern. Materials leave a trace in the environment during manufacturing and after their retirement. The more environmentally friendly the materials, the more sustainable they are, and the less their impacts on the environment; environmentally friendly materials are also more recyclable and/or reusable. Thus, the design of materials for sustainability and/or green manufacturing is of paramount importance and priority, and the concern of this Special Issue. The degree of sustainability and green manufacturability of materials, and hence the degree of their recyclability and/or reusability, varies from low to high, and the higher it is, the better.



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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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