

Special Issue

Recent Developments in Pro-ecological Materials and Processes

Message from the Guest Editor

Along with the development of the global economy, factors related to environmental protection have become very important. New branches of science have been developed, including life cycle assessment (LCA). Life cycle estimation is a technique that studies environmental aspects and impacts over the entire life cycle of a product, the threat of which results from the selection of control factors for the management of production processes of their operation or intentional complex technical systems. At present, one should strive for intensive economic development based on bioeconomy principles. This approach requires the development of new material and product designs that, if properly prepared, will allow their reuse, repair, and recycling. This Special Issue aims to collect research work presenting original research results, developed using innovative methods of integrated sustainability assessment, inspired by environmental assessment throughout the life cycle of machinery, equipment, and installations, using renewable energy sources.

Guest Editor

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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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