Special Issue

Non-Conventional Manufacturing Technologies and Materials for Sustainable Production

Message from the Guest Editors

This Special Issue is dedicated to the development and implementation of innovative manufacturing technologies that support the sustainable production and consumption of materials. The goal is to highlight the latest research and advancements in manufacturing processes that minimize their environmental impact—such as conserving resources, promoting the use of renewable or recycled materials, and replacing traditional manufacturing techniques with more energy-efficient alternatives. It will serve as a valuable platform for researchers, scientists, and engineers to share their latest findings and insights, fostering collaborations and driving progress in sustainable material processing. The key areas of interest include the processing of sustainable materials, green manufacturing technologies, life cycle assessment and sustainability metrics, and digitalization and Industry 4.0. This Special Issue aims to advance sustainable manufacturing by highlighting cutting-edge research and fostering collaboration in the development and implementation of environmentally conscious production practices.

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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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