

Special Issue

Sustainable Machining and Green Manufacturing

Message from the Guest Editors

The ever-increasing trends of the upcoming technology have led to many concerns related to environment, society, and economics in every field of engineering. Recently, governments and world leaders are advocating for sustainable manufacturing initiatives. To support and promote such initiatives, researchers, scientists, engineers, and academic institutions have a responsibility to introduce activities related to sustainable manufacturing and to prepare the future generation. This Special Issue focuses on the importance of green manufacturing and sustainable machining, particularly in relation to the “greening” of manufacturing, in which workers use fewer natural resources, reduce pollution and waste, recycle and reuse materials, and moderate emissions in their processes. Green manufacturers research, develop, or utilize technologies and practices to reduce their impact on the environment. Sustainable machining is defined as the creation of products by cutting material that uses processes which are environmental friendly, economically sound and safe (for employees, consumers, and communities), and can conserve energy.

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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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