



Sustainable Machining and Green Manufacturing

Guest Editors:

Dr. Uthayakumar Marimuthu

Faculty of Mechanical
Engineering, Kalasalingam
Academy of Research and
Education, Krishnankoil 626126,
Tamil Nadu, India

**Dr. Thirumalai Kumaran
Sundaresan**

Department of Mechanical
Engineering, PSG Institute of
Technology and Applied
Research, Coimbatore 641062,
Tamil Nadu, India

Deadline for manuscript
submissions:

closed (20 October 2023)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)