



***machines***

an Open Access Journal by MDPI



## **Sustainable Manufacturing and Green Processing Methods**

Guest Editors:

**Prof. Dr. Ali Khalfallah**

CEMPRE, Department of  
Mechanical Engineering,  
University of Coimbra, Polo II,  
Pinhal de Marrocos, 3030-788  
Coimbra, Portugal

**Prof. Dr. Carlos Leitao**

Department of Mechanical  
Engineering, University of  
Coimbra, 3030-788 Coimbra,  
Portugal

Deadline for manuscript  
submissions:

**30 September 2024**

### **Message from the Guest Editors**

The field of material processing technology plays a pivotal role in shaping the future of numerous industries, ranging from electronics and aerospace to healthcare and energy. As advancements continue to drive innovation, there is an increasing need to address the environmental impact associated with processing methods.

This Special Issue aims to explore the latest developments and cutting-edge research in sustainable manufacturing and green processing methods within the domain of material processing technology. By focusing on mitigating the environmental impact of material processing, this Issue seeks to highlight the interdisciplinary efforts in designing eco-friendly approaches, novel energy-efficient processing methods, and innovative technologies to achieve sustainable and green manufacturing processes. Additionally, this Special Issue intends to foster an exchange of knowledge, ideas, and advancements among researchers, engineers, and practitioners working in the field of manufacturing.



[mdpi.com/si/179712](https://mdpi.com/si/179712)

# **Special Issue**



an Open Access Journal by MDPI

## **Editor-in-Chief**

**Prof. Dr. Antonio J. Marques  
Cardoso**

CISE—Electromechatronic  
Systems Research Centre,  
University of Beira Interior,  
Calçada Fonte do Lameiro, P -  
6201-001 Covilhã, Portugal

## **Message from the Editor-in-Chief**

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

## **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)*, *Inspec*, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Mechanical*)

## **Contact Us**

---

*Machines* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/machines](http://mdpi.com/journal/machines)  
[machines@mdpi.com](mailto:machines@mdpi.com)  
X@Machines\_MDPI