



Advanced Machining of Aerospace Materials

Guest Editors:

Dr. Jorge Salguero

School of Engineering,
Department of Mechanical
Engineering and Industrial
Design, University of Cadiz, Adv.
Universidad de Cadiz 10, E11519
Puerto Real, Spain

**Dr. Juan Manuel Vazquez
Martinez**

Department of Mechanical
Engineering and Industrial
Design, School of Engineering,
University of Cadiz, Adv.
Universidad de Cadiz 10, E11519
Puerto Real, Spain

Deadline for manuscript
submissions:

closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

The aerospace industry is continuously immersed in processes of innovation and improvement of manufacturing processes. In recent years, the use of advanced materials, such as composites, light alloys, or superalloys, with their excellent properties and relatively low weight, have allowed the reduction of energy consumption, improving the sustainability of the manufacturing. However, some properties of these materials can make them difficult to machine, decreasing process performance. In particular, the combination of materials with very different natures shows high complexity during machining processes. The necessity to comply with rigorous requirements are driving the use of non-conventional machining techniques based on emerging technologies.

The main objective of this Special Issue is to publish outstanding papers presenting cutting-edge advances in the field of advanced machining of aerospace materials.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Yong Zhang

Beijing Advanced Innovation
Center of Materials Genome
Engineering, State Key
Laboratory for Advanced Metals
and Materials, University of
Science and Technology Beijing,
30 Xueyuan Road, Beijing 100083,
China

Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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, Ei Compindex, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](#)