# Special Issue

# Advanced Materials, Machinability and Intelligent Manufacturing Systems

## Message from the Guest Editors

The modern global economy faces several important challenges that require the creation of new technological solutions. The issues related to advanced materials, machinability and intelligent manufacturing systems hold a pivotal role in the advancement of modern engineering and technology. The significance of these fields stems from their potential to revolutionize various industries, driving innovation and sustainability in the global economy. With the development of new materials, it has become necessary to develop new technological solutions enabling the production of products with new, previously unknown functional characteristics and functions. Challenges in the field of manufacturing technology require in-depth research not only in the field of technology but also new tools and the environment for performing manufacturing processes. The Special Issue awaits the results of the latest work in the above-mentioned areas, which may contribute to the development of advanced materials and machinability technologies, as well as broadly understood intelligent manufacturing systems.

## Guest Editors


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Prof. Dr. Jose Machado

Dr. Kamil Krot


## Deadline for manuscript submissions

closed (20 November 2025)


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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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