

## Special Issue

# Manufacturing Technology: Materials, Innovations and Applications, Second Edition

### Message from the Guest Editors

This Special Issue is a platform for the exchange of the knowledge and experience of scientists related to innovations in the field of manufacturing technology and the development of subtractive, additive, and hybrid machining processes, circular economy, and sustainable production. The scope of this Special Issue includes, among others, the following research topics:

- Supervision and monitoring of subtractive, additive, and hybrid machining processes;
- Simulation, prediction, and optimisation of manufacturing processes;
- Development of machining tools and machining devices;
- Application of digitisation and virtualisation methods, as well as artificial intelligence methods in product design and manufacturing processes;
- Innovations in automation and human-machine interfaces;
- Eco-design, eco-manufacturing, and sustainable production;
- Recycling, waste management, and circular economy in manufacturing processes.

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### Guest Editors

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Prof. Dr. Mariusz Deja

Prof. Dr. George-Christopher Vosniakos

Prof. Dr. Wojciech Kacalak

Prof. Dr. Mirosław Pajor

Prof. Dr. Błażej Bałasz

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### Deadline for manuscript submissions

closed (31 December 2025)



## Materials

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## About the Journal

### 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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