

## Special Issue

# Advanced Machining and Technologies in Materials Science

### Message from the Guest Editor

This Special Issue aims to present groundbreaking developments in advanced manufacturing processes, precision manufacturing, and innovative material applications. The scope of this Special Issue includes high-performance machining techniques, additive and hybrid manufacturing, advanced coatings and tool materials, smart manufacturing, automation, and sustainable machining processes. We welcome experimental, theoretical, and computational studies that push the boundaries of modern machining and material sciences. A key aspect of these advancements is the development and application of innovative materials with superior properties. Therefore, this Special Issue aims to promote knowledge regarding the enhancement of machining efficiency via the achievement of exceptional hardness and wear resistance, improving the longevity of tools by reducing friction and thermal effects, and developing materials that offer high strength, corrosion resistance, and thermal stability. This Special Issue explores the interplay between material properties and manufacturing techniques, driving innovation toward more efficient, precise, and sustainable production.

### Guest Editor

Dr. Janusz Kluczyński

Institute of Robots and Machine Design, Faculty of Mechanical Engineering, Military University of Technology, 2 Gen. S. Kaliskiego St., 00-908 Warsaw, Poland

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## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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## About the Journal

### 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.

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### 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

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