

Special Issue

Metal Additive Manufacturing: Advanced Processing- Structure-Property Relationships for Novel Alloys

Message from the Guest Editors

This Special Issue aims to showcase high-quality comprehensive reviews and original research studies in the field of metal additive manufacturing, with a special focus on establishing advanced processing–structure–property relationships. Work on the following topics is welcome, though works on other related themes can also be submitted:

- Smart metal additive manufacturing assisted by data-driven approaches;
- Advanced solidification mechanisms in metal AM processes;
- Thermodynamic aspects of alloy design using metal AM methods;
- Functionally graded components specifically designed for AM methods;
- Performance–microstructure relationship analysis in metallic materials process via AM.

Guest Editors

Prof. Dr. Abdollah Saboori

Integrated Additive Manufacturing Center, Department of Management and Production engineering, Politecnico di Torino, Corso duca degli Abruzzi 24, 10129 Turin, Italy

Dr. Mohammad Hossein Mosallanejad

Integrated Additive Manufacturing Center, Department of Management and Production Engineering, Politecnico di Torino, Corso Duca Degli abruzzi 24, 10129 Torino, Italy

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

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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