

## Special Issue

# Modeling and Advanced Experimental Techniques in Deformation Processing of Metallic Materials

### Message from the Guest Editors

In this Special Issue, we seek to provide a wide array of research articles on recent advances in the areas of alloy chemistry design, the thermo-mechanical processing of metallic materials, the physical simulation of metallurgical processes, the characterization of metallic materials using cutting-edge experimental and structural metallurgy techniques, and the development of theoretical tools and advanced models to predict their microstructures and properties during or after thermo-mechanical processing. We hope that this Special Issue will serve as a platform showing the current state-of-the-art and latest developments in this field.

The main objective of this Special Issue is to facilitate a more intense development in this area of research and to showcase these recent developments to industry. We hope that this Special Issue will help the research community to formulate new challenging problems and directions in metallurgy, in addition to motivating young researchers and raising their interest in addressing these problems.

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### Guest Editors

Dr. Ilchat Sabirov

IMDEA Materials Institute, 28906 Getafe, Madrid, Spain

Prof. Dr. Mahesh Soman

Centre for Advanced Steels Research, Materials and Mechanical Engineering, University of Oulu, 90014 Oulu, Finland

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### Deadline for manuscript submissions

closed (20 May 2024)



## 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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