# Special Issue

# Advances in Materials Processing Engineering

## Message from the Guest Editors

Various types of metallic and composite structures are used in modern engineering. For aerospace, car industry, or civil engineering applications, the most important are complex spatial structures made of different types of metallic alloys, fibrous composites, and functional materials. The current applications in modern engineering require various non-traditional processing technologies combining smart manufacturing technologies and systems, including plastic forming, materials joining, additive manufacturing, etc. This Special Issue focuses on advanced manufacturing technology for metal and composite forming and aims at solving the key and difficult problems in the forming processing of advanced metal and composite structures. In recent years, with the complex use of new materials and structural design optimization of engineering products, the traditional forming process suffered great challenges. Research on how to realize the formation of functional structures under the action of multiple dimensions, coupled force fields, thermal fields, and magnetic fields play an important role in the development of industrial applications.

## Guest Editors


Prof. Dr. Qigang Han

School of Materials Science and Engineering, Jilin University, Changchun 130022, China

Dr. Ce Liang

College of Materials Science and Engineering, Jilin University, Changchun 130025, China


## Deadline for manuscript submissions

closed (20 January 2024)


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

mdpi.com/journal/materials

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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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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

Prof. Dr. Yuguang Ma
State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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