# **Special Issue**

# Aluminium Alloys for Additive Manufacturing: Alloy Development, Structures, Properties and Applications

## Message from the Guest Editors

Additive manufacturing offers the unique capability of improving the sustainability of metallic components production by reducing the need for tooling, machining and assembling. The application of aluminium alloys for additive manufacturing has further pushed the highstrength and lightweight limits of this field through innovative structure design and integrated fabrication. However, significant challenges in the areas of alloy processability, mechanical property and available alloys are still associated with this process, which needs to be addressed with further research efforts. This Special Issue focus on the structures and properties of additively manufactured aluminum alloys. Research efforts in the field of novel alloy development, process optimization, structure, property and applications are all welcome.

## **Guest Editors**

Dr. Qingbo Jia

School of Mechanical and Electrical Engineering, Soochow University, Suzhou 215131, China

Dr. Xiaopeng Li

School of Mechanical and Manufacturing Engineering, The University of New South Wales (UNSW Sydney), Sydney, NSW 2052, Australia

### Deadline for manuscript submissions

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

mdpi.com/journal/ metals

metals@mdpi.com





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## **About the Journal**

## Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

#### Editor-in-Chief

## Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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