



## Precipitation and Characterization of Light Alloys

Guest Editor:

**Dr. Qinghuan Huo**

School of Materials Science and Engineering, Central South University, Changsha 410083, China

Deadline for manuscript submissions:

**closed (30 September 2023)**

### Message from the Guest Editor

Light alloys such as aluminum and magnesium are important materials for the automobile, aircraft, and electronic industries. In recent decades, fruitful studies have reported the microstructure characteristics, mechanical properties, and advantages of light alloys. However, there are still many unproven theories and unsolved problems in light alloys. Thus, to further trigger the development of light alloys, it is imperative to research the relationship between microstructure characteristics and mechanical properties more in depth. It is for this reason that we are launching the present Special Issue on “Precipitation and Characterization of Light Alloys”. This Special Issue shall collect outstanding research on light alloys around the world, including but not limited to heat treatment, plastic processing, microstructure characterization, mechanical properties, precipitation, phase transformation, magnesium, aluminum, titanium, shape memory alloy, SEM, EBSD, FIB, TEM, and in situ X-ray.

It is our pleasure to welcome you to submit your work to this Special Issue on “Precipitation and Characterization of Light Alloys” in Metals.





an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compindex, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

## Contact Us

---

Metals Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/metals](http://mdpi.com/journal/metals)  
[metals@mdpi.com](mailto:metals@mdpi.com)  
[X@Metals\\_MDPI](https://www.mdpi.com/author/metals)