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## Advanced Light Metal and Alloys: Preparation, Characterization, and Applications (2nd Edition)

Guest Editor:

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Deadline for manuscript submissions:

**20 October 2024**

### Message from the Guest Editor

The aim of this Special Issue, entitled “Advanced Light Metal and Alloys: Preparation, Characterization, and Applications”, is to present recent advancements in various aspects related to material design, processes and applications. Potential topics include, but are not limited to:

The development of advanced light-weight metals and alloys with high strength, high temperature resistance, corrosion resistance, and other excellent properties;

- The design of high-performance light-weight metals and alloys using empirical, theoretical and computational methods, including DFT, deep learning, etc.;
- The development of new process methods and heat treatment methods of light-weight metals and alloys including friction stir processing (FSP), additive manufacturing (AM), and related topics;
- Microstructural evolution and related mechanism exploration in light-weight metals and alloys subjected to deformation, corrosion, creep and other processes.

We are pleased to invite you to submit full research papers, communications, and review papers to this Special Issue.

Dr. Pingping Liu

*Guest Editor*



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# Special Issue



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## Message from the Editor-in-Chief

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