

## Special Issue

# Advances in Flotation Separation and Mineral Processing

### Message from the Guest Editors

Mineral processing is a critical stage in the utilization of mineral resources. Froth flotation is one of the widely used separation techniques in this field. As global mineral resources are continuously developed and exploited, the complexity of these resources—both currently and prospectively mined—continues to increase. Consequently, advancements in both the technology and theory of mineral processing methods, including flotation, are required to meet these growing challenges. This evolution has also catalyzed rapid advancements within this domain. We invite contributions to this Special Issue focusing on the aspects outlined in the keywords, which encompass recent advancements and innovations in flotation separation and mineral processing. These topics will be of direct relevance to researchers and practitioners within the field of mineral processing. We particularly welcome submissions that report on flotation mechanisms, novel flotation reagents, efficient mineral processing equipment, and mineral processing of complex low-grade ores.

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### Guest Editors

Prof. Dr. Li Wang

Dr. Mengjie Tian

Dr. Feng Jiang

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### Deadline for manuscript submissions

5 November 2025



## Metals

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## About the Journal

### Message from the Editorial Board

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.

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### Editors-in-Chief

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