



Research Progress in Separation and Extraction of Ferrous and Non-ferrous Metals

Guest Editors:

Dr. Wei Zhang

Dr. Juhua Zhang

Prof. Dr. Xuefeng She

Dr. Yun Li

Deadline for manuscript
submissions:

10 September 2024

Message from the Guest Editors

Dear Colleagues,

Ferrous and Non-ferrous metals are widely consumed in human society. Specifically, iron (ferrous) and copper (non-ferrous) are usually considered as most important commodities; Precious (non-ferrous) metals such as gold and silver are with strong monetary attributes; Rare metals (non-ferrous) such as vanadium and titanium are usually used in the aviation and military industries...

However, these metals are always not available naturally. Separation, extraction and purification are indispensable. Most methods and processes are traditional, high energy-consuming and with high carbon dioxide emissions.

In this special issue, we invite papers that discuss the recent progress in separation and extraction of ferrous and non-ferrous metals. These efforts are realizing a sustainable world.

The topics include separation and extraction of metals from complex resources, low-carbon and energy-conservation optimization of traditional processes, innovative separation and extraction of ferrous and non-ferrous metals, experimental methods and physical chemistry for separation, extraction, and purification, and other new findings.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Frank L. Dorman

Department of Chemistry,
Dartmouth College, Hanover, NH
03755, USA

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Chromatography*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPlus / SciFinder](#), and [other databases](#).

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.6 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2023).

Contact Us

Separations Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/separations
separations@mdpi.com
[X@Sep_MDPI](#)