



## Application of Magnetic Separation Technology in Green Production

Guest Editor:

**Prof. Dr. Jiangang Ku**

College of Zijin Mining, Fuzhou  
University, Fuzhou, China

Deadline for manuscript  
submissions:

**10 July 2024**

### Message from the Guest Editor

Dear Colleagues,

Magnetic separation, as a green production technology, is one of the most attractive research fields in the literature. Magnetic separation is an important method for magnetic material separation based on different magnetic properties. It is commonly used in dry magnetic separation, wet magnetic separation, high-gradient magnetic separation, magnetic-gravity-floatation combined mineral processing, magnetic flocculation, etc.

A fundamental understanding of the mechanism of the magnetic field on magnetic particles and the effect of the magnetic field on the dynamic behavior of magnetic particles is very important for some interesting physical implications and promising industrial applications.

Therefore, it is my pleasure to invite you to contribute your research article, communication, or review to this Special Issue “Application of Magnetic Separation Technology in Green Production” dedicated to separation processes, modeling and analytical techniques of magnetic material extraction from ores or other materials.





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](http://www.mdpi.com)

[mdpi.com/journal/separations](http://mdpi.com/journal/separations)  
[separations@mdpi.com](mailto:separations@mdpi.com)  
[X@Sep\\_MDPI](#)