

Special Issue

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

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (10 September 2024)



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About the Journal

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, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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