

Special Issue

Mineral/Coal Flotation and Adsorption Mechanism

Message from the Guest Editors

Flotation is a practical technique to extract minerals based on differences in the physical and chemical properties on the mineral surfaces. Flotation equipment, flotation techniques, and flotation reagents are used for the recovery and separation of valuable minerals from gangue minerals. The gradual depletion of high-grade mineral resources leads to an increase in the exploitation and utilization of refractory ores. The enhanced recovery of targeted minerals has become a problem that urgently needs to be solved. Thus, there is a crucial need for research on flotation theory and its application to address the issues in the recovery of valuable minerals. This Special Issue will focus on recent advances in mineral/coal flotation theory and techniques. Research or review articles concerning the synthesis and application of flotation reagents and adsorption mechanism, the migration rule of flotation reagents, the design of flotation equipment, enhanced flotation separation methods, refractory ore treatment [...] for further reading, please follow the link to the Special Issue Website

at: https://www.mdpi.com/journal/separations/special_issues/JN660CZX47

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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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