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Separation and Recovery of Valuable Elements from Waste and Wastewater

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Message from the Guest Editors

This Special Issue on "Separation and Recovery of Valuable Elements from Waste and Wastewater" invites submissions of original research papers, review papers, and short communications addressing recent trends, novel developments, and new methods and applications in the separation and recovery of valuable elements from wastes (e.g., metallurgical tailings, red mud, slags, sludges, photovoltaic panels, spent catalytic converters, batteries, end-of-life products, etc.) and wastewater streams (e.g., industrial effluents, acid mine drainage, etc.). Examples of elements of interest include critical raw materials, base and precious metals, platinum group metals (PGMs), and rare-earth elements (REEs). Alternative separation techniques, such as hydrometallurgy, biohydrometallurgy, bioseparations (biosorption, bioprecipitation), adsorption, absorption, ion exchange, flocculation, filtration, extraction, membrane processes, precipitation, and electrochemical techniques are welcome in this Special Issue. We anticipate that this collection of papers will be of interest to scholars working in the field of circular economy.

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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.

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