Special Issue

Innovation in Solvent Extraction for Metal Recovery

Message from the Guest Editors

This Special Issue aims to bring together innovative and high-quality papers that explore advances, challenges, and new practical applications in the SX and IEX of metals, in the form of original research papers and review articles, related to the following topics: (a) Use of new extractants in the recovery of metals, (b) Recovery of critical and rare metals, (c) Process optimization, (d) Modeling and simulation, (e) Use of new extractants or diluents based on ionic liquids (IL's) or deep eutectic solvents (DES), (f) Kinetics and Thermodynamics in IEX, (g) Recovery of metals from spent catalysts, and (h) Recovery of metals from technological waste.

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Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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