Special Issue

Sustainable Extraction of Copper, Nickel and Zinc and Their By-Products from Ores, Recycled Materials and Wastes through Hydrometallurgical Processes

Message from the Guest Editors

This Special Issue is focused on new developments in the sustainable hydrometallurgical processing of materials for which Cu, Ni and Zn are the primary metal commodities recovered, with a special emphasis on the co-recovery of companion metals: Mo, Ag, Au and U (by-products of Cu); Co and PGMs (by-products of Ni); Pb, Ge, and In (by-products of Zn). **This Special Issue will primarily cover four areas: Area 1.** Chemistries: acid ferric sulphate leaching and bioleaching, chloride leaching, ammonia leaching, leaching aids and catalysts, novel reagents. **Area 2.** Leaching Technologies: atmospheric and pressure leaching, heap leaching, novel leaching systems. **Area 3.** Separation: SX, IX, precipitation, and electrowinning for selective metal recovery from mixed leach liquors. **Area 4.** Flowsheets: evaluation and comparison of complete flowsheets for the comprehensive recovery of metals from primary, secondary or blended feeds and the ensuing waste streams.

Guest Editors

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Dr. Mario Vera

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

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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