Special Issue

Hydrometallurgy in Gold Extraction

Message from the Guest Editors

While the hydrometallurgical processing of gold has been successfully commercialised for more than a century, the extraction techniques for this precious metal remain one of the most well studied areas. This is mainly due to challenges associated with the variation in the deposits, the changes in mineralogy (from free milling to refractory ores), the rising mining, the improvement of environmentally aware and operational costs which have driven companies to look for alternative cheaper but efficient processing methods and reagents. This Special Issue aims to bring together the research and development that has been generated as a result of some of these changes happening in the gold hydrometallurgical processing sector. We welcome papers on fundamental research, new and emerging technologies, integrated and multi-disciplinary techniques, environment-friendly reagents, reprocessing of tailings, extraction from WEEEs and any other topic as highlighted by the scope of this issue. The hope is that this Special Issue will contribute to giving a comprehensive view on the current and future directions of gold hydrometallurgical processing across the world.

Guest Editors

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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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