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Recent Developments in Mineral Processing at University of Cape Town

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2022)

Message from the Guest Editor

This Special Issue aims to showcase research in the general area of mineral processing from the University of Cape Town. The University has a number of large, well-established research groups working in areas covering many aspects of the minerals value chain, from ore to final metal product, and related areas such as sustainable development. These research groups include the Centre for Minerals Research, Centre for Bioprocess Engineering Research, Crystallization and Precipitation Research Unit, Energy and Industrial Systems Research Group, Hydrometallurgy Research Group and the Minerals to Metals Research Initiative. These groups conduct research in areas of the minerals value chain including geometallurgy, process mineralogy, comminution, classification, flotation, hydro and bio-hydrometallurgy as well as metal refining. These groups also conduct research in areas considering the integration of, and factors affecting, the minerals value chain such as process integration, techno-economic evaluation, energy efficiency and integration, water minimization and treatment, waste treatment and repurposing of waste as well as socio-economic factors in mining communities.

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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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