

## Special Issue

# Weathering in the Tropics: A Multidisciplinary Approach

### Message from the Guest Editors

Mass balances based on fluvial geochemistry have been carried out to quantify the removal of elements from continents to oceans and the impact of chemical weathering on the global carbon cycle, where inputs from rainfall require corrections. Long-term weathering rates can be inferred from the ages of the weathering profiles preserved at a given landscape position, using  $^{40}\text{Ar}/^{39}\text{Ar}$  and (U-Th)/He geochronology in supergene minerals, providing insight into the rates of landscape evolution in stable cratonic areas. In addition, the chemical weathering processes in the tropics are the main processes responsible for areas hosting significant supergene ore deposits, especially Al, Fe, Mn, Ni, Nb and P deposits. Thus, this Special Issue aims to contribute with new studies related to the chemical weathering in the tropics, generating useful knowledge for mineral chemical weathering, atmospheric/soil  $\text{CO}_2$  consumption, geochronology of weathering profiles, landscape evolution and supergenic deposits.

### Guest Editors

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### Deadline for manuscript submissions

closed (9 May 2023)



## Minerals

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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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