

Special Issue

Crustal Evolution of Bundelkhand Craton: Petrology, Geochemistry, Geochronology and Geodynamics Settings

Message from the Guest Editors

This Special Issue will focus on the following topics:

- The in situ U-Pb and Lu-Hf geochronology of zircons and accessory minerals (apatite, rutile, monazite, titanite, etc.) of Archean complexes and to improve the understanding of the sequence of events and geodynamic evolution by interpreting these sets of data.
- Minerals and mineral associations as indicators of the metamorphic evolution of a cratonic terrane and interrelation with geodynamics.
- The geochemical characteristics of the magmatic complexes will provide the estimation of a role of the subduction-accretion and plume processes in the formation of the continental crust in the Archean.
- Geochronological, mineralogical, and geochemical investigations of unique giant quartz veins can decode the geodynamic environment of their formation during the Paleoproterozoic Era and how they play an important role in stabilizing the craton.
- The geochronological and geochemical studies on mafic dikes and intrusions provide evidence on the extensional processes that occurred in the craton, as a great bearing on the Paleoproterozoic evolution of the Bundelkhand craton.

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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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