

Special Issue

Petrology and Evolution of the Outer Carpathian Mountains

Message from the Guest Editors

The Outer Carpathians belong to a great, 1300 km long mountain arc in Central Europe. The geochemistry, geochronology, and petrology of the Precambrian and Paleozoic crystalline and volcanic rocks here have been studied in detail over the last decade, and significant progress has been made. These studies have led to an understanding of the evolution of this realm, but several crucial and topical questions remain unsolved. This Special Issue should provide an opportunity to publish papers dealing with the geochemistry and petrology of the older crystalline rocks as well as younger sedimentary flysch sequences. We welcome specialized papers as well as overview papers, especially articles discussing the relationship between the petrology, mineralogy, geochemistry, geochronology, and geodynamic development of the complex orogene. Papers presenting controversial issues and different points of view are highly welcomed.

Guest Editors

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).