

Special Issue

Kimberlites and Their Deep Cargo: Mineralogy, Geochronology and Isotope Chemistry

Message from the Guest Editors

It is our pleasure to announce a Special Issue of *Minerals* entitled “Kimberlites and Their Deep Cargo: Mineralogy, Geochronology, and Isotope Chemistry”. Since their discovery more than two centuries ago, interest in kimberlites has not diminished over the years. Kimberlite eruptions bring material from the lithosphere/asthenosphere boundary (~250 km and sometimes even deeper) to the uppermost parts of the Earth's crust. Erupting through the Archean cratons kimberlites, they thus represent a unique archive of information on geological processes for the span of time from circa 3.6 Ga until the time of eruption. For this Special Issue, we invite the submission of papers and reviews of mineralogical, geochemical, and isotopic studies on the cratonic mantle, crustal and mantle xenoliths, diamonds, kimberlites, and kimberlite indicator minerals. We welcome fundamental and experimental studies to contribute to a better understanding of cratonic composition, evolution, thermal regime, and the processes that form and destroy diamonds.

Guest Editors

Dr. Anastasia Gibsher

1. Sobolev Institute of Geology and Mineralogy, Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia
2. Geo-Scientific Research Enterprise ALROSA (PJSC), Mirny, Russia

Dr. Vladimir Malkovets

1. Sobolev Institute of Geology and Mineralogy, Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia
2. Geo-Scientific Research Enterprise ALROSA (PJSC), Mirny, Russia

Deadline for manuscript submissions

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Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,
Germany

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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).