

# Special Issue

## Igneous Intrusions in 3D

### Message from the Guest Editors

Magma transport and storage within the crust is facilitated by networks of dykes, sills, and larger plutonic bodies. Generation of space for these magma conduits and reservoirs is accommodated by deformation of the host rock, which can provide fluid flow pathways and may be expressed at Earth's surface. Understanding the 3D structure and evolution of these magma plumbing systems, coupled with associated host rock deformation, is therefore critical to evaluating their impact on volcano distribution and eruption, tectonic processes, and accumulation of economic resources. This Special Issue will bring together cutting-edge research from a broad range of geological-, geophysical-, and modelling-based disciplines that aim to unravel the 3D geometry and growth of igneous intrusions or entire magma plumbing systems. Studies integrating a range of techniques are particularly welcome, and we encourage authors to consider how their research contributes to understanding and solving socio-economic problems concerning volcanic hazards and securing supply of raw materials and energy.

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### Guest Editors

Dr. Craig Magee

Prof. Dr. Qiliang Sun

Dr. William McCarthy

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### Deadline for manuscript submissions

closed (10 December 2020)



## 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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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

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

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#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

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JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

#### Rapid Publication:

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).