



Igneous Intrusions in 3D

Guest Editors:

Dr. Craig Magee

School of Earth and
Environment, University of Leeds,
Leeds, UK

Prof. Dr. Qiliang Sun

Department of Marine Science
and Engineering, China
University of Geosciences,
Wuhan, China

Dr. William McCarthy

Department of Earth Sciences,
University of St Andrews, St
Andrews, UK

Deadline for manuscript
submissions:

closed (10 December 2020)

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)