Special Issue

Mantle Xenoliths

Message from the Guest Editors

Mantle xenoliths often bear mineral assemblages in thermodynamic equilibrium which allow pressure and temperature estimates according to established mineralogical geothermobarometers. If a given xenolith suite adequately represents the lithospheric column, a xenolith-based paleogeotherm can be calculated.

Mantle xenoliths sometimes host exotic minerals, such as hydrous-silicate or carbonate phases, which can be either ascribed to interaction with the host magma or to metasomatic events deep within the mantle. The high-pressure allotrope of the carbon, diamond, can be one of these exotic minerals, especially in xenoliths from kimberlite pipes.

This Special Issue on mantle (and lower-crustal) xenoliths accepts research papers with both regional and general relevance, review papers, datasets, and viewpoint articles, which deal to the aforementioned topic.

Guest Editors

Dr. Vittorio Scribano
Department of Biological, Geological and Environmental Sciences, University of Catania, 95124 Catania, Italy

Dr. Sergei K. Simakov
LLC "ADAMANT" Skolkovo, 194100 Saint Petersburg, Russia

Deadline for manuscript submissions

closed (15 May 2021)

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/si/63937

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

mdpi.com/journal/geosciences

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/journal/geosciences

About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. Alberto G. Fairén
1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
2. Department of Astronomy, Cornell University, Ithaca, NY, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q1 (General Earth and Planetary Sciences)