Special Issue

New Mineral Species and Their Crystal Structures

Message from the Guest Editors

We have the pleasure to invite you to participate in a Special Issue of *Minerals*, devoted to new minerals and their crystal structures. In comparison with more than a million inorganic synthetic compounds, the number of currently-known mineral species slightly exceeds 5000. Each discovery of a new mineral, studied in detail and accompanied with rigorous descriptions, seem to be an important scientific event. New minerals widen our knowledge on the forms of concentrations of different chemical elements, including the rarest ones, in natural systems. Many of them demonstrate novel, sometimes very unusual structure types and intriguing properties. New mineral species attract attention as sensitive indicators of physical and chemical conditions of rock-forming processes in geology and as potential prototypes of new crystalline materials in modern technologies. And, surely, mineral diversity is one of most wonderful phenomena of nature.

Guest Editors

Prof. Dr. Irina O. Galuskina
Department of Geochemistry, University of Silesia in Katowice, Katowice, Poland

Prof. Dr. Igor V. Pekov
Department of Mineralogy, Lomonosov Moscow State University, 119991 Moscow, Russia

Deadline for manuscript submissions

closed (30 September 2018)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/12822

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

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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

Author Benefits

High Visibility:

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

Journal Rank:

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).

MDPI