

Special Issue

Gem Deposits: Mineralogical and Gemological Aspects

Message from the Guest Editors

Gemstones have been widely used in the manufacture of jewelry and art crafts as early as 7000 years ago. As the demand for gemstones increases, numerous new gem deposits have been exploited and new gem species have infiltrated the market. However, the same species of gemstones that share similar qualities can possess a wide range of values in the market, as a result of their geographic origins. In the gem and jewelry trade, increasing attention is being paid to the geographic origin of gemstones. Collections from a reliable gem deposit play a vital role in determining the geographic origin of certain gemstones. This Special Issue aims to present the latest, cutting-edge advances in gem deposits in relation to mineralogy, petrology, and gemology. The combined researches of the related specific fields (for instance, geology, field gemology, geochemistry, geochronology, and spectroscopy) can provide important information concerning the formation of gemstones, enabling the comparison and geographic determination of gemstones worldwide.

Guest Editors

Prof. Dr. Andy H. Shen

Dr. Chaowen Wang

Prof. Dr. Bo Xu

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).