Special Issue

Iron Silicide Minerals

Message from the Guest Editors

The theme of this Special Issue of Minerals, “Iron Silicide Minerals”, explicitly focuses on its occurrence in nature. In industry, the best known is iron monosilicide FeSi, which is used, among other things, for the production of various alloys. For this Special Issue, we invite recent advances in the investigation of natural iron silicides and their relations to mineralogy. Studies on industrial iron silicides will only be considered if there are direct and informative links to natural minerals. Insights into the following topics are especially welcome: Physical and optical properties
Terrestrial iron silicides
Iron silicide in meteorites
Cosmic relations
Formation processes
Geological environments
Shock metamorphism in iron silicide
Unnamed iron silicides
Deep Earth mantle iron silicides
Earth planets and iron silicides

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2021)

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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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Author Benefits

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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).

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