Special Issue

Space Resources

Message from the Guest Editors

Recent years have brought great development of space technologies and space industry. Net value estimates suggest huge potential in nearby space objects which with high possibility contain resources valuable and rare at Earth resources. The challenge in this area is the development of minerals identification technologies, extraction, handling and processing technologies etc. Those technologies must face the problems of remote areas operation, space environment, low gravity, power supply limitations and many others. Another challenge is the material to excavate which may differt form the Earth's rock/soil morphology.

This Special Issue is a call for research papers, review articles, feasibility studies of challenging, cutting edge concepts of extraction technologies, identification/mapping technologies of the resources in remote areas and all related techniques and technologies which are targeting the space resources topic. Space mining, due to increasing consumption of special-purpose elements and rare-earth elements looks to be very promising and probable industry of the future.

Guest Editors

Dr. Damian Pietrusiak

Faculty of Mechanical Engineering, Department of Machine Design and Research, Wrocław University of Science and Technology, 50-370 Wroclaw, Poland

Dr. Marek Sawicki

Faculty of Mechanical Engineering, Department of Machine Design and Research, Wrocław University of Science and Technology, 50-370 Wroclaw, Poland

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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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Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

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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).

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