Special Issue

Medical Geology

Message from the Guest Editors

Medical Geology is an interdisciplinary branch of earth sciences that is dedicated to the study of the relationship between geological materials and/or earth processes and their impacts on the health of humans and animals. The high levels of elements or other compounds contained in geological materials (soils, rocks, dusts, waters, etc.), or even their redistribution/introduction in the environment by anthropogenic activities, can harm or benefit human health. Inversely, and not less important, are the cases where nature shows deficits of certain essential elements or compounds, which may hinder the normal development of people or even potentiate the onset of diseases. Nowadays, it is essential to understand the influence of environmental factors on the geographical distribution of health problems. Population health depends not only on the present, but also on the past lived environmental conditions, as well as the exposure period. This Special Issue seeks case studies regarding either benefits or adverse effects originating from geogenic sources or due to human action in these sources.

Guest Editors

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Deadline for manuscript submissions

closed (1 January 2019)

Minerals

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Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/11983

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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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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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