Special Issue

New Concept of Using Geophysical Data in Mineral Exploration, Depth Estimation and Structural Mapping

Message from the Guest Editors

Dear Colleagues Mineral exploration and prediction have long underpinned the growth of human communities, organizing not only the sites of civilizations but also the shape of economic and political institutions. The struggle for mineral exploration has been a large driver of research over the years. Scientists tend to develop and explore programs, methods and new strategies that can decipher the system of mineralization, in order to generate program systems for the exploration of ore deposits. The use of geophysical data to explore mineral resources with contemporary and advanced approaches is of global appeal. My Special Issue aims to publish novel and new applications of potential field data in mineral exploration, edge detection, depth estimation and structural mapping that can help detect, predict and explore the locations and geometry of surface and subsurface mineral deposits.

Guest Editors

Dr. Ahmed Mohammed Eldosouky
Department of Geology, Suez University, Suez 43518, Egypt

Dr. Stephen Eguba Ekwok
Applied Geophysics Unit, Department of Physics, University of Calabar, Calabar 540271, Nigeria

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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).

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