Special Issue

Advances in the Detection and Analysis of Ore Minerals

Message from the Guest Editors

The recent advances in modern analytical techniques such as LA-ICPMS, SIMS, and many others have allowed for determining the isotope and trace element composition of sulfides, oxides, and metal alloys with increasing precision. Hydrothermal vents are found in the oceans by using ships and underwater vehicles, whereas satellites and drones are able to detect ore minerals on land using infrared spectrometers. Remote sensing is being employed more and more often in newly emerging concepts such as space mining, with significant efforts being made to prepare instruments suitable for ore prospecting on asteroids, the Moon, and even Mars.

This Special Issue entitled “Advances in the Detection and Analysis of Ore Minerals” invites articles focused on ore prospecting or geochemical analysis of sulfides, oxides, alloys, and native metals. We welcome papers from various fields across geology, petrology, mineralogy, geochemistry, remote sensing, planetary sciences, and engineering. Dr. Jakub Ciazela

Guest Editors

Dr. Jakub Ciążela

Institute of Geological Sciences, Polish Academy of Sciences, Research Centre in Wrocław, ul. Podwale 75, 50-449 Wrocław, Poland

Prof. Dr. Ewa Slaby

Institute of Geological Sciences, Polish Academy of Sciences, 31-002 Wroclaw, Poland

Deadline for manuscript submissions

closed (30 November 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/71164

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)