minerals

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 4.1

Modeling, Design and Optimization of Multiphase Systems in Minerals Processing

Guest Editor:

Prof. Dr. Luis A. Cisternas
Department of Chemical Engineering and Mineral Process, Universidad of Antofagasta, Antofagasta 1240000, Chile

Deadline for manuscript submissions:
closed (31 March 2019)

Message from the Guest Editor

Dear Colleagues,

Mineral processing deals with complex particle systems with two-, three- and more phases. The modeling and understanding of these systems are a challenge for research groups and a need for the industrial sector. This Special Issue aims to present new advances, methodologies, applications, and case studies of computer-aided analysis applied to multiphase systems in mineral processing. This includes aspects such as modeling, design, operation, optimization, uncertainty analysis, among other topics. The articles can be general about multiphasic systems or specific phenomena such as flotation, leaching, solvent extraction, thickening, multiphase flow, among others that include the simultaneous presence of several phases. Articles that may be of interest to a general audience are preferred over more specific or reduced audience, and therefore, multidisciplinary, interdisciplinary, and cross-disciplinary studies are welcome.

Prof. Dr. Luis A. Cisternas
Guest Editor

minerals

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 4.1

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

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.

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), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.
Journal Rank: JCR - Q2 (*Mineralogy*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
𝕏@Minerals_MDPI/