

## Special Issue

# Design, Modeling, Optimization and Control of Flotation Process, 2nd Edition

### Message from the Guest Editors

We welcome reviews, original articles, and multidisciplinary studies, including but not limited to the following topics:

- Conceptual or simulation of flotation processes;
- Optimization of flotation processes (single or multi-objectives, uncertainty, and sensitivity analyses);
- Novel perspectives in designing flotation circuits, machinery, and the minimization of energy consumption;
- Modification and improvement of flotation circuits;
- Numerical modelling of flotation processes (molecular modelling, computational fluid dynamics, intelligent computation, image analysis);
- Kinetic models and their scale-up in industrial cells;
- Process control (data management, automation, sensors, and measurements);
- Mechanical, column, and pneumatic flotation cells (Jameson, Imhoflot<sup>TM</sup> and Reflux<sup>TM</sup> flotation cells);
- Impact of operation parameters on designing flotation cells (gas hold-up, superficial gas velocity, bubble size distribution and orifice type, etc.);
- Measurement and modelling of slurry residence time in flotation cell/circuits.

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### Guest Editors

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### Deadline for manuscript submissions

20 December 2025



## Minerals

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Impact Factor 2.2  
CiteScore 4.4



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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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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

#### Journal Rank:

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

#### Rapid Publication:

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).