Special Issue

Green Mineral Processing and Metallurgy: Resource Recovery, Utilization and Process Optimization

Message from the Guest Editor

The development of metal mineral resources is related to human survival and development, and is an important guarantee of basic materials. However, the metal resources reserved near the earth's surface are becoming increasingly scarce, and determining how green and smart mining and the disposal of solid mine wastes might be achieved has become a crucial issue. This Special Issue focuses on the underground backfilling of solid mine wastes, surface storage and disposal, rock mechanics, disaster prevention and control in mines, as well as technologies for the development of novel resources. This Special Issue seeks high-quality studies focusing on topics including but not limited to:

- Solution mining of low-grade minerals (sulfide copper, uranium, etc.);
- Mechanism and control of mineral processing in metal mines;
- Mine waste disposal and utilization, such as backfilling;
- Numerical simulation and visualization of metallurgy procedure;
- Mine pollutant control and heavy metal leaching;
- Mine seepage mechanics and procedure control;
- Green mining safety, methods, and optimization.

Guest Editor

Dr. Leiming Wang

School of Civil and Resources Engineering, University of Science and Technology Beijing, Beijing 100083, China

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

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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