Special Issue

Current and Future Trends in Mineral Processing and Extractive Metallurgy

Message from the Guest Editor

Mineral processing is a branch of science and technology that deals with processing natural and synthetic mineral materials and associated liquids, solutions, and gases to give them desirable properties. It is part of the technological sciences, although it includes elements derived from other fields of knowledge, particularly the natural sciences. Mineral processing is based on separation processes and involves the execution and description of separations and their analysis, evaluation, and comparison. Mineral processing, together with metallurgy, constitutes extractive metallurgy. Extractive metallurgy is a branch of metallurgy that deals with the processing of minerals and concentrates to recover their contained metal values. This Special Issue will focus on topics that include, but are not limited to, the following:

- Mineral properties and utilization;
- The extraction, separation, and purification of minerals and metals;
- The post-treatment of effluents and tailings;
- The processing of advanced materials via pyro- and hydro-metallurgical routes.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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