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Mechanochemical Effect in Mineral Processing, Environmental Remediation and Recycling

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Deadline for manuscript submissions:
closed (20 November 2019)

Message from the Guest Editor

This Special Issue aims to publish papers describing the mechanochemical effect associated with the use of high-intensity grinding methods. Works addressing the following topics will be given the highest consideration: (i) the isolation and assessment of the phenomena contributing to the mechanochemical activation and/or reaction of ores/minerals; (ii) the applicability of mechanochemical reactions to fields other than mineral processing (e.g., recycling, environmental remediation); (iii) the simulation and optimization of grinding operations, as well as the development of grinding systems to induce mechanochemical reactions in minerals.

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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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