



minerals

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Biological Reclamation and Bio-Remediation of Former Mine Sites

Guest Editor:

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Deadline for manuscript submissions:

closed (27 November 2020)

Message from the Guest Editor

This Special Issue is devoted to the work of research teams who are seeking to develop effective, low-cost transferable and easily replicated biological and geo-ecological strategies for the regeneration of these challenging and dynamic lands. It is devoted to those who are conducting applied research to address the problems of mined lands, which include the problems caused by soil contamination and auto-contamination caused by mine-spoil weathering (including acid rock drainage), the control of surface and groundwater contamination, soil compaction and auto-compaction, erosion, unsuitable drainage and runoff, and revegetation and an impoverished micro-ecology that leads to soil infertility. This Special Issue is open to traditional case studies of biological ‘recultivation’ and bio-remediation, but, hopefully, it will also attract contributions that inspire one to go further to establish principles, practices, strategies and techniques that can be deployed more generally. It will also be open to those engaged in the chemical, biological and GIS-based monitoring of reclaimed land and those engaged in community and land-user education.



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Special Issue



Editor-in-Chief

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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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