Special Issue

New Insights into Mine Reclamation: Techniques for an Integrated Approach to Environmental Remediation

Message from the Guest Editors

Mining is an essential activity that supports technological civilization. However, minimization of the associated impacts and subsequent restoration of mining areas is the biggest challenge facing the sector. Mine reclamation has previously focused on minimizing environmental impacts and preparing the land for productive uses during and after exploitation. Geomorphic changes are generally required to minimize erosion processes and leaching of metal(loid)s, even when the tailings and other waste generated are disposed of in mine dumps. In this respect, some (in)organic amendments and remediation technologies, such as stabilization, nanoremediation, and phytoremediation, are required to immobilize pollutants. In this Special Issue, the role of different approaches will be considered, with special emphasis on a multifaceted approach to mine reclamation. Topics include but are not limited to the following:

- Stabilization of mine soils and waste by using amendments (compost, biochar, etc.);
- Nanoremediation for treatment of mine soils and wastewater;
- Forestry reclamation;
- Energy crops in mine soils/dumps;
- Agricultural opportunities regarding mine soils.

Guest Editors

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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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