



Sustainable Mineral and Metal Processing

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Message from the Guest Editor

Mineral and metal processing often results in the generation of aqueous effluents that are treated and disposed in tailing ponds. A green transition of mineral and metal processing is key to reduce the environmental footprint of the mineral and metal sector. Therefore, it is necessary to develop innovative cost-effective processes to remediate sites via a waste valorization approach that aims to:

- Remediate contaminated sites;
- Recover clean water via energy efficient treatment of industrial effluents;
- Recover residual metals via environmentally friendly re-processing;
- Adsorb high impact contaminants from industrial effluents onto novel materials;
- Store CO₂ in tailings;
- Generate energy from effluents.

This Special Issue invites all research and practical works concerning, but not limited to, the aforementioned pillars of sustainable processing.





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Message from the Editor-in-Chief

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