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## **Bioleaching of Metals from Waste/Wastewater**

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Deadline for manuscript submissions:

31 December 2024

## **Message from the Guest Editors**

This Special Issue invites submissions of original scientific research relating to the bioextraction of metals from solid wastes and wastewater. It focuses on the following topics:

- Bioleaching of precious metals, base metals, and rare earth elements from industrial solid waste and wastewater, using pure or consortium microorganisms;
- Exploration of the metal leaching potential of extremophiles;
- Optimization strategies for large-scale bioleaching of metals using genetically engineered organisms;
- The roles of enzymes, mutagens, metal, and nonmetal ion catalysts, surfactants, and biochar in enhancing metal recovery from solid waste and wastewater;
- Bioreactor designs and applications for waste valorization for enhanced metal recovery;
- Application of innovative and emerging technologies, including the Internet of Things (IoTs) and machine learning for sustainable and efficient metal recovery;
- Techno-economic and environmental sustainability studies of metal biorecovery technologies.







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## **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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