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AUDIENCE

Researchers, undergraduate and graduate students in the fields of geology, microbiology, mining, metallurgy, chemical engineering and environmental sciences, metallurgical engineers, hydrometallurgists, mineral engineers, chemical engineers, geochemists, environmental scientists

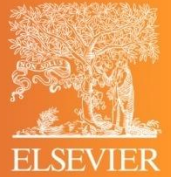


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Biotechnology of Metals

Principles, Recovery Methods, and Environmental Concerns

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Comprehensive, interdisciplinary book featuring coverage of biogenesis and biomineralization, biobeneficiation, biohydrometallurgy, biocorrosion, and bio-environmental control

KEY FEATURES

- Offers comprehensive coverage of an interdisciplinary subject
- Outlines the role of microbiology and biotechnology in mining, metallurgy, waste disposal and environmental control
- Covers new topics, such as biogenesis, biomaterials processing, the role of micro-organisms in causing corrosion, and much more
- Presents scientifically illustrated experimental research methods in metals biotechnology

DESCRIPTION

Biotechnology of Metals: Principles, Recovery Methods and Environmental Concerns, deals with all aspects of metals biotechnology in different areas, such as biogenesis, biomaterials, biomimetic strategies, biohydrometallurgy, mineral biobeneficiation, electrobioleaching, biofouling and microbial corrosion, concrete biocorrosion, microbiology of environment pollution, and bioremediation. As the technology of this interdisciplinary science has diversified over the last five years, this book provides a valuable source for scientists and students in a number of disciplines, including geology, chemistry, metallurgy, microbiology, chemical engineering, environment and civil engineering.

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