Minerals

an Open Access Journal by MDPI

CiteScore: 4.4
Impact Factor: 2.2

Special Issue Reprint

Mineral Processing and Recycling Technologies for Sustainable Future

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This Reprint, entitled “Mineral Processing and Recycling Technologies for Sustainable Future”, presents recent advances in mineral processing, resource recovery, and recycling technologies that support the transition toward a sustainable and circular economy. The collected papers address innovative approaches for the beneficiation of primary ores, the recovery of valuable components from secondary resources, and the efficient use of critical and strategic raw materials. Emphasis is placed on environmentally responsible processing routes, improved separation efficiency, reduced energy consumption, and the integration of advanced characterization and modeling tools. The Reprint highlights interdisciplinary research efforts that contribute to resource efficiency, waste minimization, and reduced environmental impact. It is intended for researchers, engineers, industry professionals, and policymakers working in mineral processing, extractive metallurgy, recycling, and sustainable materials management.

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