



Advanced Powder Technology in Mineral Processing

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Message from the Guest Editor

Advanced powder technology plays a crucial role in mineral processing. It encompasses cutting-edge techniques that enhance the efficiency of processing mineral resources and extracting valuable metals and minerals. This field involves various processes, such as comminution, grinding, flotation, leaching, and solid–liquid separation, utilizing advanced equipment, instruments, and modeling approaches.

Advanced powder technology optimizes mineral processing operations, leading to higher recovery rates, reduced energy consumption, and lower environmental impact. It facilitates the separation of complex mineral resources, ensuring the sustainable utilization of mineral resources.

This Special Issue, “Advanced Powder Technology in Mineral Processing”, contributes to the mining industry's overall growth and sustainable development.

Keywords: mineral processing; powder technology; material preparation; physical and chemical separation; green utilization; tailing reuse; numerical simulation.





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Message from the Editor-in-Chief

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