



Recent Advances in Leaching and Extractive Metallurgy

Guest Editors:

Dr. Rahul Ram

School of Earth Atmosphere and
Environment, Monash University,
Melbourne, VIC, Australia

Dr. Mark I. Pownceby

CSIRO Mineral Resources, Private
Bag 10, Clayton South, VIC 3169,
Australia

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Message from the Guest Editors

The recovery of metals from ores, concentrates, and recycled or residual material plays an integral role in the multi-billion-dollar minerals processing industry. A combination of processes is integral across various stages in typical mining recovery and mineral processing circuits, be it comminution and/or beneficiation of the ore; leaching; flotation and smelting of the concentrate/matte; electro-refining and solvent exchange processes to obtain final product; or the treatment of waste tailings/slugs.

There is an increased impetus to further advance and implement environmentally sustainable practices in the recovery of valuable metals through the development of novel leaching and extractive technologies in metallurgy. Papers on recent advances, and review articles—particularly in regard to fundamental science, extractive metallurgy, and the development of technologies in the processing of mineral commodities from their ores—are invited for inclusion in this Special Issue on “Recent Advances in Leaching and Extractive Metallurgy”.





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Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science
and Engineering, College of
Engineering & Applied Science,
University of Wisconsin-
Milwaukee, 3200 N. Cramer
Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation
Center of Materials Genome
Engineering, State Key
Laboratory for Advanced Metals
and Materials, University of
Science and Technology Beijing,
30 Xueyuan Road, Beijing 100083,
China

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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Metals Editorial Office
MDPI, St. Alban-Anlage 26
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