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Hydrometallurgical Processes for the Recovery of Critical Metals

Guest Editors:

Prof. Dr. Felix A. Lopez
National Center for Metallurgical Research (CENIM), Spanish National Research Council (CSIC), Avda. Gregorio del Amo 8, 28040 Madrid, Spain

Prof. Dr. Francisco José Alguacil
National Center for Metallurgical Research (CENIM), Spanish National Research Council (CSIC), Avda. Gregorio del Amo 8, 28040 Madrid, Spain

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Message from the Guest Editors

Dear Colleagues,

In this century, the materials we manufacture incorporate nearly all the elements from the periodic table—we are living in the Age of the Periodic Table. Consequently, to develop wind energy and solar photovoltaics and shift towards electric mobility, we must consume significant quantities of metals. However, the question is, will we have enough resources? The answer is likely no. Therefore, it seems reasonable to obtain some of the necessary raw materials and metals through reusing and recycling materials at the end of their life cycle. This Special Issue aims to consolidate advances across various fields, particularly in metallurgy and hydrometallurgy, for the recovery of critical metals from ores, mining waste, or post-consumer products. We invite you to contribute to this Special Issue. Both Prof. Dr. Alguacil and I look forward to learning about the progress being made in your laboratories and companies.

Prof. Dr. Felix A. Lopez
Prof. Dr. Francisco José Alguacil

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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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Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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