Special Issue

Metals and Materials Research for Our Sustainability—50 Years from the Limits to Growth and 50 Years Future Perspectives

Message from the Guest Editor

This Special Issue aims to provide a good forum for scientists and engineers to share and discuss their historical reviews, pioneering original findings, and future perspectives on the topics that stretch beyond our limitations. Reports on metals and/or materials towards our sustainable development and the circular economy are particularly welcome. The recycling of metals/materials can be a potential solution addressing many SDGs, including “12—Reposnsible consumption and production" via extended producer responsibility and relevant recycling system/technology developments. For example, selective material recovery is particularly challenging but important in metal/material recycling. It can be significantly advanced via the synergistic combination of material characterization, selective liberation, and selective separation. Such a synergistic approach is particularly welcome, but any ground-breaking findings, insightful reviews, and future perspectives on metals and/or materials research in terms of sustainability are greatly appreciated.

Guest Editor

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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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