



New Environmental, Economic and Social Challenges for Raw Materials Supply: Sustainable Mining and Extractive Waste Exploitation

Guest Editors:

Dr. Alessandro Cavallo

Department of Earth and Environmental Sciences,
University of Milano-Bicocca,
20090 Milano, Italy

Dr. Giovanna Antonella Dino

Department of Earth Sciences,
University of Torino, 10124
Torino, Italy

Dr. Giovanni Grieco

Department of Earth Sciences,
University of Milan, 20133 Milan,
Italy

Deadline for manuscript
submissions:
closed (31 January 2022)

Message from the Guest Editors

Raw material supply is still guaranteed via ore deposit exploitation, as the recycling of critical elements (e.g., REE, Li) is neither feasible nor economically convenient; consequently, mining activities have increasingly been improving at a global level, and modern and more efficient technologies and mining techniques need to be applied to guarantee a sustainable mining. In the past, mining activity and extractive waste management were approached, mainly considering the environmental hazards and landscape degradation, but currently, the huge volumes of past mineral waste can represent an important source of raw materials. For these reasons, I propose a wide-ranging topic that can be summarized as follows: **“New Environmental, Economic and Social Challenges for Raw Material Supply: Sustainable Mining and Extractive Waste Exploitation”**. This highly interdisciplinary theme can therefore involve a wide scientific audience, from geologists to environmental and management engineers, to economists





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)