



Unconventional Resources and Sustainability

Guest Editors:

Dr. Artem Golev

Sustainable Minerals Institute,
The University of Queensland,
Brisbane, QLD 4072, Australia

Dr. Tim Werner

School of Geography, Earth and
Atmospheric Sciences, Faculty of
Science, The University of
Melbourne, Carlton, VIC 3053,
Australia

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editors

Dear Colleagues,

Driven by concerns over the exhaustion of primary geological resources, the security of supply and the social acceptance of conventional mining, interest in unconventional mineral and energy resources is growing. Such resources potentially include low-grade and complex ores; previously discarded wastes; difficult to access and develop deep underground, seabed and polar deposits; resources in the outer space; and easily available but dispersed stocks accumulated above the ground within modern cities.

Developing unconventional resources can help to expand the resources base and diversify supply, meeting the demand of a growing population and increasing living standards. Yet, it is important to stay within the ecological limits of the planet, and therefore sustainability considerations will be critical in defining the pathway towards the future of resources supply, use and circulation within a modern society.

This Special Issue seeks submissions focusing on the sustainability of developing unconventional resources, from theoretical frameworks to practical case studies and from technical and environmental to broader socio-economic and regulatory aspects.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

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

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)