



## Sustainable Production Management System for Production and Raw Materials

Guest Editors:

**Prof. Dr. Andrzej Pacana**

Faculty of Mechanical  
Engineering and Aeronautics,  
Rzeszow University of  
Technology, al. Powstancow  
Warszawy 12, 35-959 Rzeszow,  
Poland

**Prof. Dr. Lucia Bednárová**

Faculty of Mining, Ecology,  
Process Control and  
Geotechnologies, Technical  
University of Košice, Letná 9, 042  
00 Košice, Slovak Republic

Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

The topic of this Special Issue is raw material security, as well as the sustainability of the extraction of key raw materials. This issue affects a large number of countries, both mining countries and countries that do not have sufficient stocks of critical raw materials and are dependent on their purchase. Within this topic, we would like to focus specifically on extraction, processing, as well as alternatives that could ensure the optimal use of critical raw materials with their substitution function. Production, environmental management, and logistics are also closely related to this problem. The study will supplement existing publications with an up-to-date view of the systemic management of production and raw materials in the context of sustainable development. The outputs obtained from this Special Issue will significantly help to map the potential of countries and their raw material security and self-sufficiency, which would be highly helpful in creating overviews of the sustainability of critical raw materials and creating strategic documents, as well as providing data not only to the scientific community.





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](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
X@Sus\_MDPI