

## Special Issue

# Economic, Environmental, and Social Assessments of Raw Materials for a Green and Resilient Economy

### Message from the Guest Editors

In recent years, research on criticality and life cycle assessments has provided fundamental insights into the supply risk and environmental consequences of the mining processes of primary metals and minerals. In addition, the first social assessments have been conducted. For a sustainable transformation of our economy, this research has to be expanded in the direction of advanced functional materials, secondary raw materials, and biogenic resources in order to provide comprehensive policy recommendations for a sustainable and climate-resilient economy.

In this Special Issue, we would like to gather articles aimed at economic and/or environmental and/or social assessments in the following fields:

Raw material criticality assessments of metals, minerals, and biomass for future-oriented technologies and/or functional materials;

Assessments of secondary resources in regard to future-oriented technologies and/or functional materials;

Evaluation of case studies, for example on bioplastics or WEEE, in the context of the above-mentioned topics.

---

### Guest Editors

Dr. Andrea Thorenz

Resource Lab, Institute of Materials Resource Management, University of Augsburg, Augsburg, Germany

Prof. Dr. Armin Reller

Resource Lab, Institute of Materials Resource Management, University of Augsburg, Augsburg, Germany

---

### Deadline for manuscript submissions

closed (31 July 2021)



## Resources

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.2



[mdpi.com/si/56654](https://mdpi.com/si/56654)

*Resources*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[resources@mdpi.com](mailto:resources@mdpi.com)

[mdpi.com/journal/  
resources](https://mdpi.com/journal/resources)





# Resources

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.2



[mdpi.com/journal/  
resources](https://mdpi.com/journal/resources)



## About the Journal

### Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources—from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

---

### Editor-in-Chief

Prof. Dr. Benjamin McLellan

Graduate School of Energy Science, Kyoto University, Yoshida-honmachi, Sakyo-ku, Kyoto 606-8501, Japan

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, PubAg, AGRIS, RePEc, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1  
(Nature and Landscape Conservation)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.6 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).