

## Special Issue

# Recent Developments in Environmentally Sustainable and Cost-Effective Construction Materials

### Message from the Guest Editor

Quality assurance (QA) procedures and cost-effective construction materials are commonly used during construction. They may also require several measurements using point-wise density measurement tools. The required tests are destructive in nature and a source of some performance issues. Furthermore, the QA methods are time-consuming to perform and are only helpful in determining the cost of the project. The Earth's urbanizing, growing population is placing enormous demands on the construction sector. At the same time, concerns about climate change and dwindling natural resources place increasing pressure on construction firms to build green and reduce environmental impacts. This Special Issue of *Sustainability* is therefore dedicated to comprehensive reviews and original studies on the resource use, environmental impacts, technical performance, and cost of cementitious materials and concrete containing less common, non-conventional materials. Additionally, techniques used or any attempts to reuse the recycled materials as a cement replacement and reduce concrete resource use and environmental impacts are welcome.

---

### Guest Editor

Dr. Ahmed Salih Mohammed

1. College of Engineering, University of Sulaimani, Kurdistan Region, Sulaimani-Kirkuk Rd, Sulaymaniyah 46001, Iraq
2. College of Engineering, American University of Iraq, Sulaimani, Kurdistan region, Sulaimani-Kirkuk Rd, Sulaymaniyah 46001, Iraq

---

### Deadline for manuscript submissions

closed (29 May 2023)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/121277](https://mdpi.com/si/121277)

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

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



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



# About the Journal

## 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.

---

## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

---

## 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)