

## Special Issue

# Sustainability Assessment of Lightweight Design in the Automotive Field: Real-Life Case Studies and Development of Eco-Design Tools

### Message from the Guest Editor

*Sustainability* will release a Special Issue dedicated to the design and sustainability assessment of novel lightweight solutions from a life-cycle perspective. Both conceptual and real-life case study papers are welcome. Examples of contents include but are not limited to:

- Knowledge improvement of eco-profile for innovative lightweight materials (i.e., composites, hybrid, recycled, and bio-based materials);
- Life cycle assessment, life cycle costing, and social life cycle assessment of real-life lightweight case studies: novel design solutions, materials, and manufacturing technologies;
- Sustainability assessment of real-life lightweight case studies based on tailored single score indicators that include the three dimensions of sustainable development: environmental protection, economic viability, and social equity;
- Development of eco-design strategies and tools which integrate sustainability principles and traditional design issues within the early design stage;
- Development of new guidelines and indicators to comprehensively assess the potential of lightweighting in terms of benefits related to the whole life cycle of components.

### Guest Editor

Dr. Francesco Del Pero

Department of Industrial Engineering, University of Florence, Florence, Italy

### Deadline for manuscript submissions

closed (31 August 2022)



**Sustainability**

an Open Access Journal  
by MDPI

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/43107](https://mdpi.com/si/43107)

*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. *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.

---

### 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

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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