



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

Guest Editor:

Dr. Francesco Del Pero

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

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:

Deadline for manuscript
submissions:

closed (31 August 2022)

- 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.





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](https://twitter.com/Sus_MDPI)