

Special Issue

Real Data Experimental Scenarios Where Renewable Energies and Innovative Technology Enable Sustainability in Urban Transportation

Message from the Guest Editors

The way in which we deploy technology improvements shapes our environment. In 2020, the transport sector contributed about one-fifth of the EU's total carbon dioxide (CO₂) emissions, the leading greenhouse gas (GHG), 75% of which originates from passenger cars. Cities account for over 70% of global CO₂ emissions, most of which come from industrial and transport. The present Special Issue explores possible directions to achieve sustainability in urban transportation for the private and public sectors. It expects to disclose the newest theoretical methods, technology solutions, real-case simulations, and use-case demonstrators created by experimental analysis. This Special Issue will focus on, but will not be limited to, the following topics:

- Innovative transport systems and transport models;
- Hybrid, electric, and biofuels powertrain;
- Driving behaviour's effects on energy consumption and emission;
- Vehicle emissions and pollution simulations and measurements;
- Effects of pollution mitigation on urban life;
- Energy efficiency improvements and strategies;
- Transport policy in the urban field.

Guest Editors

Dr. Fabio Cignini

Energy Efficiency Department (DUEE-SIST-DIG), ENEA Research Centre of Casaccia, 00123 Rome, Italy

Dr. Luca Pugi

Industrial Engineering, University of Florence (UNIFI), 50139 Florence, Italy

Deadline for manuscript submissions

closed (15 January 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/163581

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



[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)