Special Issue

Future Perspectives of Safety and Reliability Assessment for Electric-Powered Vehicles

Message from the Guest Editors

The concept of the safety and reliability of Electric Vehicles' (EVs') components is considered a significant issue. In general, reliability assessment can be directly influenced by three main areas in the EV industry, i: EV manufacturers, ii: EV seller, and iii: EV customers. Additionally, the battery system, power electronic converter, and electric motors are knowing as main components of the E-power tarin of an EV that investigates reliability and safety in the mentioned components play a key role in the future perspectives of safety reliability assessment of EVs. The essential issues regarding the reliability assessment of EVs which need to be taken into consideration are how do the power components operate in EV, identifying failures in EV's components, inference of the failure sequences, introducing a model to illustrate the failures, and selecting a method to evaluate the reliability of EVs. Porf. Shady H.E. Abdel Aleem

Guest Editors

Dr. Ahmed F. Zobaa

Dr. Shady H. E. Abdel Aleem

Dr. Foad Heidari Gandoman

Deadline for manuscript submissions

closed (31 December 2021)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/64955

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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