

Special Issue

Safety, Resilience and Reliability Challenges and Engineering Research in Renewable Energies

Message from the Guest Editors

There has been extensive demand and attraction for renewable energies due to their considerable advantages over fossil-based fuels. These include solar, wind, hydro, biomass, and hydrogen energy. However, renewable energy production, transmission, and application are associated with serious safety, resilience, and reliability issues, which need to be examined in life cycle of renewable energies infrastructures to establish resilient and sustainable operations. Considering the unique properties of renewable energies, which are different compared to non-renewable ones, their safety, resilience, and reliability concerns have attracted considerable interest in recent years. Accordingly, this Special Issue focuses on system safety and human factors, risk and reliability analysis, asset integrity management, and accident modeling at different stages of lifecycle renewable energies from production to application. [...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/safety/special_issues/US94NZC6M4

Guest Editors

Dr. Mohammad Yazdi
Dr. Esmail Zarei
Dr. Sidum Adumene

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

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Raphael Grzebieta
Transport and Road Safety (TARS), University of New South Wales, Old
Main Building (K15), Sydney, NSW 2052, Australia

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), SafetyLit,
and other databases.

Journal Rank:

CiteScore - Q2 (Safety Research)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 34 days after
submission; acceptance to publication is undertaken in 5.6
days (median values for papers published in this journal in
the second half of 2025).