# Special Issue

# Electrifying the Future: Modeling and Simulation of Electric Vehicles for Sustainable Transport and Energy

## Message from the Guest Editors

"Electrifying the Future: Modeling and Simulation of Electric Vehicles for Sustainable Transport and Energy" is a Special Issue dedicated to advancing the understanding and application of modeling and simulation techniques in the realm of Electric Vehicles (EVs). This issue aims to explore innovative research and cutting-edge developments that can contribute to the sustainable transformation of transport and energy sectors. The scope of this Special Issue includes, but is not limited to, the following:

- EV powertrain modeling
- energy management and optimization
- vehicle-to-grid (V2G) integration
- life cycle assessment (LCA) of EVs
- EV fleet modeling
- policy and economics
- virtual prototyping and testing
- interoperability and standardization
- vehicle automation and autonomous EVs

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## Deadline for manuscript submissions

closed (31 July 2024)

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# About the Journal

## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

## Editor-in-Chief

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