

Special Issue

Transportation Energy and Emissions Modeling

Message from the Guest Editors

Energy production and transportation play an irreplaceable role in today's industrial and energy sectors. They are not only crucial to the operation of the entire industry but also the core driving force for sustainable development in all sectors. This report focuses on the application and impact of various energy forms in the production and transportation processes and provides an in-depth analysis of their key role in reducing carbon emissions and promoting sustainable development. It emphasizes their indispensability and the significant responsibility they bear in modern industrial and energy systems. Energy is the foundation of modern society, encompassing both traditional fossil fuels and renewable energy. Transportation systems are a key area of energy consumption and have a profound impact on carbon emissions. Main topics include the following:

- Transportation Carbon Emissions;
- Electrification of Vehicles;
- Green Transportation;
- Negative Emissions;
- Scope 1, 2, 3 Emissions;
- Sustainable Energy;
- Renewable Energy;
- Energy Storage;
- Energy Transition;
- Energy Efficiency;
- Energy Security;
- Energy Life Cycle Assessment;
- Energy Policy;
- Energy Planning;
- Smart City.

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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.

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