Special Issue

Challenges, Trends and Achievements in Electric Vehicle Research

Message from the Guest Editor

As the world transitions towards a more sustainable future and seeks to reduce the carbon footprint, electric vehicles (EVs) have emerged as a pivotal technology in the fight against climate change and urban pollution. In the last few years, there have been rapid advancement in electric vehicles, for which the market is blooming. This Special Issue invites contributions from industrialists, professionals and academics to explore the technology development and multifaceted impact of electric vehicle technology on transportation, energy systems, industrial development, societal impacts and environmental sustainability. We seek papers that address the latest advancements in EV technology, including battery innovations, energy storage, charging infrastructure, vehicle-to-grid integration, and electric vehicle parts and components, as well as their implications in relation to research, policy, economics and social acceptance. Additionally, we encourage research that examines the challenges and opportunities in the EV market, including the role of government incentives, consumer behaviour and the potential for smart city integration.

Guest Editor

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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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