

Special Issue

Sustainable Technologies for Decarbonising the Energy Sector

Message from the Guest Editors

Transitions in the transportation, power, building and industry sectors toward a clean and sustainable future poses many challenges in terms of energy resources and suitable technology. Efficiency improvement, the better exploitation of the available resources and emission-control techniques are important for the sustainable development of these sectors. There is significant interest in the decarbonisation of the energy sector, particularly in the transportation sector, with many techniques for combustion and after-treatment systems currently evolving, and in the building and industry sector with advanced technologies for heating, cooling and air-conditioning. This Special Issue will introduce the decarbonisation of the energy sector by using renewable energy resources and waste heat sources and improving existing fuel processing technologies. This Special Issue will focus on reporting on technological progress and novel ideas for the emission control and efficiency improvement of combustion engines, sustainable heating and cooling, and it will define the key paths for future research and development activities in the field.

Guest Editors

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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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