

## Special Issue

# Sustainable and Low Carbon Development in the Energy Sector—2nd Edition

### Message from the Guest Editors

This Special Issue aims to present and disseminate the latest advances in the economic utilization of both renewable and conventional energy sources that support sustainable human development and contribute to the reduction in greenhouse gas emissions. We welcome both theoretical and applied studies addressing economic, environmental, legal, and technical aspects related to the theory, design, modeling, operation, and condition monitoring of low-cost, low-carbon power systems. Topics of interest include, but are not limited to, the following:

- All aspects of low-carbon power systems based on both renewables and nuclear power;
- Managing the renewable energy sector and integrating it with fossil-fuel-based power plants;
- Digitization and electrification of large sectors of the economy, such as transportation and heating;
- Integration of renewable energy systems;
- Electric and hydrogen cars;
- Prospects for the development of electric aircraft;
- Limitation of economic development associated with increasing thermodynamic entropy;
- Econophysical methods in the study of the renewable energy sector.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2026



## Energies

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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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### Editor-in-Chief

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