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Sustainable and Low Carbon Development in the Energy Sector

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Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to the economic use of all types of renewable and traditional energy sources, which would enable sustainable human growth and contribute to the reduction in greenhouse gas emissions.

Topics of interest for publication include, but are not limited to:

- 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;
- Economic and legal challenges related to sustainable development;
- Limitation of economic development associated with increasing thermodynamic entropy;
- Econophysical methods in the study of the renewable energy sector;
- Nonlinear dynamics and energy aspects of low-carbon development;
- Management of energy sector companies.



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Special Issue



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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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