

Special Issue

Energy for Sustainable Development and Circular Economy

Message from the Guest Editors

Movement toward a sustainable future is imminent. Energy is a key resource that is needed for many daily operations. This Special Issue aims to cover state-of-the-art green energy advancement as well as futuristic and sustainable concepts, such as, but not limited to:

- Smart microgrid development with advanced artificial intelligence for demand-side energy management and planning;
- The Net Zero Emission concept for use in reducing and neutralising carbon emission from energy sectors;
- Water Waste and Energy Nexus or Circular Economy for the integration and minimization of resources;
- Energy efficiency in industrial practices, including thermal energy optimization;
- Advancement in renewable energy sources such as solar, wind, bio-energy, geothermal, hydro^{et.al.};
- The progress and development of hydrogen economy from production, storage, and utilization;
- Techno-economy analysis, Life Cycle Assessment, Environment Impact Assessment on energy;
- Urban sustainability and development toward Low Carbon energy consumption and utilization, including Green Buildings and Green Transportation;
- Energy resource optimization and power system design.

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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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