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## Materials for Renewable and Sustainable Energy

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### Message from the Guest Editor

Recently developed materials like two-dimensional MXenes are promised to become supercapacitors that store energy in their layered structures. Yttria-stabilized zirconia solid oxide fuel cells have been demonstrated to run commercial vehicles based on hydrogen fuels. Nuclear power is another clean and sustainable source of energy. Traditionally, nuclear fission reactors have been considered dangerous to human civilization due to severe radioactive emission of high-atomic-weight solid oxide nuclear fuels, but with the advent of newer materials and technologies, it will be possible to build a sun on earth. These are merely a few examples of material solutions applied to meeting world energy demand. Newer materials to meet the energy requirement for a sustainable future are continuously being searched for and developed. This Special Issue aims to address some of them.



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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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