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Technological Prospects of Hydrogen Production

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Message from the Guest Editor

Dear Colleagues,

This Special Issue, entitled “Technological Prospects of Hydrogen Production”, aims to showcase and disseminate recent developments related to various hydrogen production technologies. It explores key challenges in developing the hydrogen economy, with a specific focus on renewable and low-carbon processes to address climate change.

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

- Emerging technologies for green hydrogen generation;
- Life cycle assessment and sustainability of hydrogen energy;
- Hydrogen production from biomass;
- Hydrogen purification processes;
- Biological hydrogen production methods, including fermentation and algae;
- Electrolysis;
- Bio-electrochemical methods for hydrogen production;
- Hydrogen storage;
- Techno-economic and environmental impact assessment of hydrogen production;
- Renewable hydrogen at scale.



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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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