

## Special Issue

# Advances in Sustainable Hydrogen Production

### Message from the Guest Editor

Production of low-carbon alternative fuels is an important pathway to combat climate change and control global warming. Sustainable production of low-carbon hydrogen accelerates the push towards carbon neutrality. Hydrogen can also be employed as a decarbonizing agent for heavy industries such as cement and steel, or as a storage medium for renewable electricity grids for better stability. This issue supports research on recent advances in all types of sustainable hydrogen production methods including biological and thermochemical hydrogen production, the role of hydrogen in energy transition, and also energy systems where hydrogen is produced and employed for better sustainability. Some of the topics covered in this issue (but not limited to) are as follows:

- The role of hydrogen in energy transition;
- Green hydrogen production technologies;
- Blue hydrogen production technologies;
- Biomass-based hydrogen production;
- Power to gas technology;
- Solar-based hydrogen production;
- Integrated hydrogen energy systems;
- Thermochemical water splitting cycles.

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### Guest Editor

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### Deadline for manuscript submissions

closed (29 February 2024)



## 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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