

# Special Issue

## Low-Carbon Biofuels

### Message from the Guest Editors

This Special Issue explores the pivotal role of low-carbon hydrogen in the global shift toward sustainable energy systems. As countries seek to decarbonize hard-to-abate sectors such as industry, transport, and power generation, hydrogen produced with minimal greenhouse gas emissions has exhibited the potential to promote this transition. This Special Issue will highlight innovative research in hydrogen production technologies, storage and distribution solutions, industrial applications, and policy frameworks. It will also address the environmental, economic, and social dimensions of scaling up hydrogen, offering a comprehensive scientific perspective on this promising means of achieving climate neutrality.

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### Guest Editors

Dr. Roberta Mota Panizio  
Prof. Dr. Ronney Arismel Mancebo Boley  
Dr. Catarina Nobre

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### Deadline for manuscript submissions

20 November 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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