

## Special Issue

# Advances in Portable Technologies for Hydrogen Fuel Cells

### Message from the Guest Editors

Dear colleagues, For this Special Issue, we invite papers on innovative developments, including new materials, novel technologies and applications, reviews, case studies, and analytical and assessment papers relevant for the development fuel storage for hydrogen fuel cell systems. Topics of interest for publication include, but are not limited to the following:

- Design and optimization of electrode materials, catalyst layers, electrolytes, and single cells for portable applications in PEMFC and SOFC technologies: application of novel nanostructures and advanced functional materials.
- Alternative fuels for storage. Advances in catalytic and electrocatalytic processes for hydrogen production (reforming of fuels, dehydrogenation of liquid organic hydrides, controlled hydrolysis of compounds, etc.).
- Development of portable power fuel cell systems.
- Advances in manufacturing processes for cost reduction.
- Novel portable applications and technology demonstrations.
- Approaches in direct and indirect hydrogen fuel storage methods for portable devices.
- Original contributions covering life-cycle assessment (LCA) and sustainability of portable hydrogen fuel cell technologies.

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### Guest Editors

Dr. Paloma Ferreira-Aparicio

Department of Energy, Center for Energy, Environmental and Technological Research (CIEMAT), Av. Complutense, 40, 28040 Madrid, Spain

Dr. Araceli Fuerte

Department of Energy, Center for Energy, Environmental and Technological Research (CIEMAT), Av. Complutense, 40, 28040 Madrid, Spain

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### Deadline for manuscript submissions

closed (25 May 2022)



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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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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

Prof. Dr. Enrico Sciubba  
Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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