

## Special Issue

# Progress in Life Cycle Sustainability Assessment of Hydrogen Energy Systems

### Message from the Guest Editors

When focusing on the energy sector, the main challenge is represented by the affordable integration of large-scale renewable sources. According to technology roadmaps, hydrogen plays a key role in enabling this energy transition. It can be produced through different technological pathways using a wide range of feedstocks and types of energy. However, the suitability of hydrogen energy systems has to be comprehensively checked from a life-cycle prospective and involving in the analysis environmental, economic, and social aspects. Their sound evaluation is a key requirement to support energy planning. However, there is a scarcity of studies addressing the joint interpretation of environmental, economic, and social aspects in the field of hydrogen energy systems; this is a significant scientific gap that we want to fill with this Special Issue.

The main goal of this Special Issue is to collect scientific articles in the field of life cycle sustainability assessment (LCSA) of hydrogen energy systems. These articles are expected to include analyses of the quantification of life-cycle indicators, belonging to at least two of the three dimensions of sustainability.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2021)



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### Editor-in-Chief

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