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# New Technology and Application of Hydrogen Production, Storage Conversion and Fuel Cell

Guest Editors:

## Dr. Andrew C Chien

Department of Chemical Engineering, Feng Chia University, Taichung 40724, Taiwan

#### Prof. Dr. Yuwen Chen

Department of Chemical and Materials Engineering, National Central University, Jhongli 32001, Taiwan

### Prof. Dr. Chi-Jung Chang

Department of Chemical Engineering, Feng Chia University, 100, Wenhwa Road, Seatwen, Taichung 40724, Taiwan

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# **Message from the Guest Editors**

The new technology and applications of hydrogen and fuel cells are vital for achieving a sustainable world society. The production of fossil fuels is expected to peak within the next few decades. Meanwhile, they carry a steep environmental cost to releasing twice as much carbon dioxide (CO2) compared to natural gas. The transition of energy from fossil fuels to hydrogen is a daunting challenge that not only requires great scientific knowledge but also technical support covering the production, storage, conversion, and supply of hydrogen. On the other hand, fuel cells are regarded as highly effective for the conversion of hydrogen due to their environmentally clean method of energy production and higher efficiency than conventional counterparts.

The aim of this Special Issue is to present research on the state-of-the-art technology of hydrogen fuel cells and their application by collating high-quality research articles and reviews on various aspects of hydrogen. Topics include, but are not limited to, hydrogen storage, hydrogen production, hydrogen conversion and supply, all kinds of fuel cells, and novel materials/catalysts with relevant applications.











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## **Editor-in-Chief**

# Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

## **Message from the Editor-in-Chief**

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