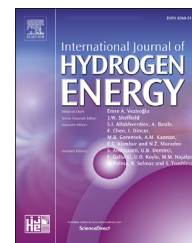




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Editorial

Guest Editorial for the special issue covering the selected papers from ANM2022



Humans are highly concerned about their health related to pollution, even at the peak of technology advance. Alternative energy is therefore linked to low carbon renewable energy source with zero carbon emission. Due to its high energy content per unit of weight, hydrogen energy falls in this category and is therefore in high industrial demand. However, the challenge is to replace its production from fossil fuels with new technologies including water electrolysis. Storage is another difficulty facing in Hydrogen energy research. Knowing the bright side of Hydrogen technology, intense research is going on globally to establish hydrogen as potential renewable energy. The special issue of Materials and methods for Hydrogen Energy is a collection of selected papers from the works presented at the 11th International conference on Hydrogen Energy held at the University of Aveiro, Portugal from 27 to 29 July 2022 (<https://www.advanced-nanomaterials-conference.com/anm-home/>). On behalf of the ANM2022 organising committee, we thank the editorial team of IJHE (International journal of hydrogen energy) for

their support to ANM2022 conference in publishing this special issue. Our special thanks to Dr. Ibrahim Dincer for his guidance and support in selecting high quality papers. We look forward to meet colleagues working in the field of hydrogen energy at our next Hydrogen Energy conference which will be held at University of Aveiro (<https://www.advanced-nanomaterials-conference.com/anm-home/>).

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