

## Special Issue

# Multifunctional Catalysts for Electrochemical or Photoelectrochemical Fuel Production

### Message from the Guest Editor

Dear Colleagues, Alternate renewable energy resources (e.g., energy conversion and storage (ECS) systems) are essential to lay a concrete approach for generating renewable energy resources. And they are highly dependent on the electrocatalysts or photocatalysts, which determine their operational efficiency in obtaining high ORR, OER, and HER activity. Catalysts play a crucial role in the reaction rate and efficiency that promotes the electrochemical process. Although platinum and ruthenium or iridium-based noble metals are employed as superior catalysts, but the high cost and limited resources of these noble metals restrict the application. Hence, establishing a front-line ECS system by developing an innovative non-noble advanced multifunctional catalyst for electrochemical or photoelectrochemical fuel production is the dynamic task of the present scenario. This Special Issue aims to provide a platform for thorough coverage of the development of advanced multifunctional electrocatalysts and photocatalysts for potential energy conversion and storage applications.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2021)



## Applied Sciences

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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

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