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Advanced Nanomaterials for Photocatalytic Energy Conversion and Storage

Guest Editors:

Dr. Leong Kah Hon

Department of Environmental Engineering, Faculty of Engineering and Green Technology, Universiti Tunku Abdul Rahman, Kampar 31900, Perak, Malaysia

Dr. Sim Lan Ching

Department of Chemical Engineering, Lee Kong Chian Faculty of Engineering and Science, Tunku Abdul Rahman University, Kampar 31900, Perak, Malaysia

Dr. Azrina Abd Aziz

Faculty of Civil Engineering Technology, Universiti Malaysia Pahang, Gambang, Kuantan 26300, Pahang, Malaysia

Deadline for manuscript submissions:

closed (6 September 2023)



Message from the Guest Editors

Dear Colleagues,

For sustainable development in the future, remarkable research is now focusing on renewable energy, and its conversion and storage, in order to address the high energy demand. Therefore, fabricating advanced nanomaterials with tailored properties is at the forefront of technological exploration. This advancement will give rise to a vast improvement in the performance of nanomaterials toward energy conversion and storage.

Advanced nanomaterial will be the key materials to both the high-efficacy conversion of clean and renewable energy together with its storage application. This Special Issue aims to present and disseminate the more recent advanced nanomaterials related to energy conversion and storage.

Topics of interest for publication include, but are not limited to:

Advanced nanomaterial for hydrogen production;

Advanced nanomaterial for CO2 conversion and utilization; Advanced nanomaterial for advanced lithium-ion batteries; Advanced nanomaterial for fuel cells and electrolyser cells; Advanced nanomaterial for thin film solar cells and optoelectronic devices;

Organic and inorganic hybrid nanomaterials for solar photovoltaics and energy storage.









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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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