

Special Issue

Fundamental Materials Simulation and Experimental Research for Solar Cells and Industrial Applications

Message from the Guest Editors

This Special Issue, titled “Fundamental Materials Simulation and Experimental Research for Solar Cells and Industrial Applications”, will showcase innovative developments in research, modeling, and simulation as a crucial element in customizing materials for solar cell devices. Topics include, but are not limited to, the following:

- Numerical simulation of solar cell devices and density function theory (DFT) calculations of various models/materials for optoelectronic applications;
- Synthesis of nanomaterials, semiconductor quantum dots, and material coating/passivation;
- Fabrication/Assembling of solar devices, DSSCs, QDSCs, and Perovskite solar cells.

We look forward to receiving your contributions to this Special Issue.

Guest Editors

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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