

## Special Issue

# Modeling and Design of Solar Cell Materials

### Message from the Guest Editors

Recently, these third-generation solar cells, especially PSCs and OSCs, have drawn huge research attention owing to their low cost, easy processability, and high power conversion efficiency (PCE). In the past decade, great efforts have been dedicated to designing and developing this technology. Moreover, it is predicted that multijunction tandem cells (silicon PSC, PSC-PSC, OSC-PSC, etc.) will completely transform the clean energy segment. Additionally, AI is becoming increasingly influential in the design and optimization of solar cells, driving improvements in efficiency, materials discovery, and manufacturing processes. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Material design for DSSCs;
- Innovative materials for OSCs;
- Perovskite solar cells;
- Tandem solar cells;
- Modeling of solar cell devices;
- AI in solar cell design.

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### Guest Editors

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### Deadline for manuscript submissions

15 November 2025



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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