

## Special Issue

# Advancements and Trends in Perovskite Photovoltaics

### Message from the Guest Editors

Perovskite solar cells are notably inexpensive and relatively simple to manufacture, having already achieved a power conversion efficiency exceeding 26%, compared to conventional silicon solar cells. This high efficiency allows perovskite solar cells to produce more electricity from the same amount of sunlight. Moreover, perovskite-based tandem solar cells have surpassed a power conversion efficiency of 34% and have shown significant potential for further improvement. By combining two different types of solar cell with distinct absorption properties, tandem solar cells can capture a broader range of the solar spectrum, potentially resulting in even higher efficiency. This advancement could enhance the competitiveness of solar energy against traditional fossil fuels and contribute to a more sustainable and energy-efficient future.

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### Guest Editors

Dr. Muhammad Adnan

Graduate School of Energy Science and Technology, Chungnam National University, Daejeon 34134, Republic of Korea

Dr. Zobia Irshad

Graduate School of Energy Science and Technology, Chungnam National University, Daejeon 34134, Republic of Korea

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### Deadline for manuscript submissions

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## Materials

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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