# Special Issue

# The Future of Perovskite Solar Cells

## Message from the Guest Editors

The leap forward in the power conversion efficiency (PCE) enabled by lead (Pb) halide perovskites is unprecedented, with PCEs emerging from 3.8% in its first study to a recent certified value of 25.5% in single-junction perovskite solar cells. However, before bringing PSCs to an industrial scale-up process and using this material in other optoelectronic applications, some critical issues are needed to be carefully addressed, such as Pb and solvent toxicities and, most importantly, improving the intrinsic material and device stability. This Special Issue in *micromachines* will focus on the research and review articles based on the most recent advances in the field. In particular, we welcome the work based on the development of new perovskite compositions, interfacial engineering, molecular passivation, novel charge transporting materials, and innovative fabrication techniques aimed at enhancing performance and stability. Special consideration will be given to the work-based on lead-free perovskite solar cells.

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## Deadline for manuscript submissions

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# About the Journal

## Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

## Editor-in-Chief

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