

## Special Issue

# Light-Emitting Materials and Devices: Design, Characterization, and Applications of Optoelectronics and Sensing

### Message from the Guest Editors

Light-emitting materials and devices have been at the forefront of technological advancements across optoelectronics, communication, health care, and sensing applications. At the same time, challenges remain in achieving long-term operational stability, scalable manufacturing, and environmentally sustainable processes. Understanding the fundamental photophysical mechanisms through advanced characterization methods is crucial for optimizing the efficiency, lifetime, and functionality of light-emitting materials and devices.

This Special Issue invites contributions from researchers working on the cutting edge of material development and device fabrication. We encourage submissions that combine theoretical, experimental, and computational approaches and those that explore interdisciplinary applications of light-emitting materials and technologies.

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### Guest Editors

Dr. Chiara Olla

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Dr. Qinghua Wang

Prof. Dr. Yiping Cao

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### Deadline for manuscript submissions

30 December 2025



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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