

## Special Issue

# Advanced Luminescent Materials: From Design, Synthesis, Fluorescent Mechanism to Applications

### Message from the Guest Editor

The special issue aims to collect paper of recent research on the development and applications of luminescent materials. Luminescent materials have gained significant attention due to their unique optical properties and applications in the fields of sensing, imaging, bioanalytical assays, and optoelectronics. This special issue covers a wide range of topics on the design, synthesis, fluorescent mechanism, and applications of luminescent materials. Original research articles or reviews aimed at the development and characterization of novel luminescent materials for various applications are welcome. Interests for this special issue include (but are not limited to):

- Synthesis and functionalization of luminescent materials
- Development and optimization of luminescent probes for biosensing and imaging
- Understanding the fluorescent mechanism of luminescent materials
- Applications of luminescent materials in areas of energy, environment, medicine, etc.

### Guest Editor

Prof. Dr. Wei Chen

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### Deadline for manuscript submissions

closed (30 November 2025)



## Molecules

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### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

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