

## Special Issue

# Recent Molecular Research on Photocatalytic Applications

### Message from the Guest Editor

This Special Issue “Recent Molecular Research on Photocatalytic Applications” welcomes cutting-edge research papers, reviews, mini-reviews, and perspectives on molecular materials for photocatalytic applications.

Photocatalysis, or light-driven catalytic reactions, has become a viable method for eliminating organic pollutants, environmental toxins, and other photosensible reactions. The demand for effective and sustainable remediation solutions has led to major molecular-level advancements in recent years that have improved our understanding of and ability to use advanced multifunctional molecular photocatalysts. Innovative studies devoted to the design, synthesis, and mechanistic clarification of new photocatalytic materials are included in this Special Issue. Additionally, studies on computational insights and spectroscopic approaches that offer an atomic-level knowledge of reaction processes, the function of dopants, co-catalysts, and organic–inorganic hybrid systems in customizing the photocatalytic pathways are also welcome.

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### Guest Editor

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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