

## Special Issue

# Design, Synthesis, and Applications of Advanced Functional Materials

### Message from the Guest Editor

A particular focus of this issue is the molecular-level understanding and manipulation of materials, which underpins their properties and functionalities. Investigations into molecular design, self-assembly, and interfacial phenomena are critical for tailoring the behavior and performance of functional materials. Theoretical and computational approaches that elucidate molecular interactions and predict structure–property relationships are especially encouraged. Topics of interest include, but are not limited to, nanomaterials, hybrid and composite materials, magnetic nanomaterials, stimuli-responsive systems, energy conversion and storage materials, smart biomaterials, and materials for environmental remediation. This interdisciplinary issue seeks to bridge fundamental research and real-world applications, providing a platform for researchers to present breakthroughs that advance the field of materials science and engineering.

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### Guest Editor

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## International Journal of Molecular Sciences

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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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