

## Special Issue

# New Trends in Graphene Nanomaterials

### Message from the Guest Editor

Graphene-based nanomaterials represent a rapidly evolving class of substances with exceptional physicochemical properties and a wide range of potential applications. This Special Issue of *Molecules*, "New Trends in Graphene Nanomaterials", aims to present recent advances in the design, synthesis, functionalization, and characterization of graphene and its derivatives. We welcome original research articles and comprehensive reviews that address novel synthetic methodologies, structural modifications, and hybrid systems involving graphene. Particular attention will be given to studies that elucidate structure–property relationships and explore applications in catalysis, energy conversion and storage, biomedicine, sensing technologies, and environmental protection. This Special Issue aims to provide a platform for interdisciplinary dialogue and to highlight emerging directions in graphene research that bridge fundamental science with technological innovation. Contributions from both experimental and theoretical perspectives are encouraged.

### Guest Editor

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### Deadline for manuscript submissions

30 April 2026



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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