

Special Issue

Recent Advances in Light-Matter Interaction in Chemistry and Physics

Message from the Guest Editors

The topic of light-matter interactions has been revolutionizing the science and technology of modern society in an unprecedented way. Interactions between light and matter are of vital importance since they involve original scientific aspects concerning chemistry and physics. Furthermore, these interactions offer an irreplaceable way to investigate physical and chemical phenomena to associate applications of novel materials on the nanoscale. The field continues to grow at a rapid pace, bringing many new exciting discoveries almost every day. We are organizing this Special Issue to attract broad attention on the light-matter interactions of novel physical and chemical phenomena. The Special Issue on Recent Advances in Light-Matter Interaction in Chemistry and Physics aims to highlight recent computational and theoretical advancements related to light-matter interactions in relevant research areas within chemistry and physics. Manuscripts can be submitted in the following formats: full research papers, communications, and reviews.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)



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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).