



Special Issue on Photochemistry and Applications

Call for Papers

Photochemistry and Applications investigates how light drives molecular transformations and influences chemical behavior across diverse scientific and technological settings. Research in this area includes photon-induced reaction mechanisms, luminescent compounds, photosensitive materials, ultraviolet radiation chemistry, and the design of light-activated molecular systems. Particular attention is given to applications in atmospheric chemistry, optical sensing, fluorescence imaging, drug delivery, advanced coatings, semiconductor processing, and solar fuel production. By integrating fundamental chemical principles with emerging experimental methods, this field supports the development of innovative solutions for energy conversion, environmental monitoring, healthcare, and advanced materials engineering.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Photochemistry and Applications**. Potential topics include, but are not limited to:

- Atmospheric photochemistry
- Environmental photochemistry
- Industrial photochemical processes
- Inorganic photochemistry
- Organic photochemistry
- Photocatalysis and applications
- Photochemical degradation of pollutants
- Photochemical energy storage
- Photochemical reaction mechanisms
- Photochemical synthesis
- Photochemistry of nanomaterials
- Photodynamic therapy
- Photoinduced electron transfer
- Photopolymerization and photolithography
- Solar energy conversion
- Ultrafast spectroscopy and photodynamics

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Photochemistry and Applications**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	January 25th, 2027
Publication Date	March 2027

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at papersubmissionyun@gmail.com

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