# **Special Issue**

### Photoresponsive Materials and Properties Performance Mechanism

### Message from the Guest Editors

Linear or nonlinear photoresponsive organic chromophores or donor-acceptor conjugates may undergo intermolecular or intramolecular energy- or electron-transfer mechanisms leading to photonic or electronic transient states. The consequences of these activated energy and electron states in molecular or nanoparticle configurations may facilitate a wide range of application fields, spanning from multiphoton absorptions or light-tunable photonics, energy upconversion, photoinduced conductivity in optoelectronic fields, biological FRET fluorescence imaging and photodynamic agents, and photoactivated information storage to dielectric amplification at microwave frequencies. The underlying chemistry of these advanced phenomena observed on organic materials may be assisted by incorporation of core-shell nanoparticles in configuration or in molecular selfassembly format. This Special Issue on "Photoresponsive Materials and Properties Performance Mechanism" will place emphasis on recent new developments in these research fields.

#### **Guest Editors**

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### Deadline for manuscript submissions

closed (31 July 2023)



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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.

### Editor-in-Chief

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