

Special Issue

Tautomerism and Proton Transfer Related Phenomena

Message from the Guest Editor

The aim of this Special Issue is to collect together scientific works related to the prototropic tautomerism and proton transfer in ground and excited state in the gas phase, solution and solid state. Experimental and theoretical studies describing the structural and environmental (solvent, temperature, acidity, irradiation) effects on the tautomeric equilibrium and the dynamics of proton transfer are welcome. Special emphasis will be given to conventional and high-tech dyes, molecular sensors, switches and machines, biologically active compounds, natural products, reaction intermediates and all other cases in organic chemistry, where prototropic tautomerism and proton transfer are involved.

Guest Editor

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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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