Special Issue

Fluorescence Spectroscopy of Biomolecules

Message from the Guest Editor

This Special Issue aims to highlight research on biomolecules using fluorescence spectroscopy in a very broad sense. It concerns steady-state as well as time-resolved fluorescence studies, addressing the structural and dynamic properties of the excited biomolecules. Experimental and theoretical studies in solution and in the gas phase aiming at the characterization of the emitting excited state are welcome. More specifically, it concerns the fluorescence of natural biomolecules, such as nucleic acids, enzymes and proteins, as well as flavins and haemoglobin, in a non-exhaustive list. It also deals with modified fluorescent nucleobases and amino acid analogues, aimed for use as biomarkers. In addition, it also treats studies of fluorescent ligands and drugs interacting with natural biomolecules. In this sense, it addresses fundamental processes such as energy and charge transfer phenomena. Review articles and perspectives from experts in the field are also welcome.

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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