

Special Issue

Small Molecule Near Infrared Contrast Agents: Synthesis and Applications

Message from the Guest Editor

Near-Infrared (NIR) absorbing fluorophores have become important as diagnostic and therapeutic agents in the field of tumor research, with the number of related publications having skyrocketed throughout the last few years. The utilization of the NIR spectral region (650–900 nm) is advantageous due to the inherently lower background interference, which makes it well suited for techniques analyzing high complexity samples and for many applications. This Special Issue is focusing on “Small Molecule NIR Contrast Agents” within topic-related chapters, dealing with all aspects, such as synthesis, structure, complexity, optical properties, reactivity, stability and applications in material science, imaging, biomedical, and bioanalytical applications. Review articles by experts in the field will also be welcome.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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