Special Issue

Advances in Fluorescent Probe Technology

Message from the Guest Editors

Fluorescent probe technology is a widely used analytical method with huge potential which has been applied to the environmental, food, and medical fields. It has several advantages, including simple operation, rapid response, good selectivity, high sensitivity, and non-invasiveness. The rational design of fluorescent probes can detect various analytes, such as ions, small molecules, and biomacromolecules (proteins) both in vitro and in vivo, which are crucial for pollutant detection, food safety, and disease diagnosis. Furthermore, excellent fluorescent probes can help to analyze the occurrence and the development of biological events. Therefore, developing methods of novel fluorescent probes based on small molecules, nanomaterial, etc. possess broad application prospects in our life.
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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.

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