Special Issue

Fluorescence Chemosensors: Design, Synthesis, and Application

Message from the Guest Editor

This Special Issue aims to highlight recent developments in the field of fluorescence chemosensors for applications in life science and analytical chemistry. Fluorescence imaging technology has provided us with a powerful method for detecting bioactive molecules and investigating biological processes within live cells with extremely high chemical selectivity. Recent developments in reactive oxygen/sulfur/nitrogen species, organelle-targeted imaging, functional nucleic acids, and protein tracing have provided us with new applications in a range of interdisciplinary topics. Exciting areas for real-time analysis and long-term tracing using near-infrared fluorescent probes with a large Stokes shift include biomedical diagnostics, enzyme monitoring, analysis of bioactive molecules, investigation of tumors, and detection of pathogenic bacteria, among many others. In order to provide readers with an update on recent improvements to techniques and new applications, you are kindly invited to submit an original research article or review of your work to this Special Issue.

Guest Editor

Prof. Dr. Kun Li
College of Chemistry, Sichuan University, Chengdu 610017, China

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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