Special Issue

Fluorescent Optosensing in Chemical Analysis

Message from the Guest Editors

Fluorescent optosensing materials have received special attention in the development of optical sensor systems due to their reliable and rapid fluorescence response on reaction with analytes. Further exploration of high-performance fluorescence strategies with high fluorescence quantum yield, good stability and long life is still needed. This Special Issue plans to provide an overview of the most recent advances in the field of fluorescent optosensing materials and their applications in biology, medicine, environment and food. This Special Issue aims to provide selected contributions on advances in the synthesis, characterization, and applications of fluorescent optosensing materials with regard to the identification of and response to analytes. Potential topics include, but are not limited to:

- Fluorescent sensing nanoparticles;
- Structure, characterization and optical properties of fluorescent sensing materials;
- Mechanisms of fluorescent probes;
- Application of fluorescent sensing materials in drug delivery;
- Application of fluorescent probes in the fields of biology, environment and food;
- Adverse effects of fluorescent probes;
- Future perspectives for fluorescent probes.

Guest Editors

Prof. Dr. Huilin Liu

School of Food and Health, Beijing Technology and Business University, Beijng 10000, China

Dr. Mingzhang Guo

School of Food and Health, Beijing Technology and Business University, Beijing, China

Dr. Jingmin Liu

School of Medicine, Nankai University, Tianjin, 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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