Special Issue

Applications of Fluorescent Chemical Sensors and Photocatalytic Materials in Environmental Monitoring and Remediation

Message from the Guest Editor

With the rapid development of industrialization, the increasingly extensive release of environmental pollutants (antibodies, pesticides, heavy metal ions, pathogens, etc.) has become an issue that poses a severe threat to human health and ecological safety. This Special Issue aims to showcase original research papers on chemical fluorescent sensors and photocatalytic materials used for the detection/remediation of environmental pollutants. These materials include organic materials, inorganic materials, polymers, hybrid materials, and so on, while the applications consist of the detection and remediation of the environmental pollutants in water, air, and soil. Topics may include, but are not limited to:

- fluorescent sensors
- fluorescence imaging
- photocatalytic materials
- photocatalytic degradation
- sensing/decomposing of antibodies
- sensing/eliminating of pesticides
- sensing/eliminating of organic contaminants
- sensing/eliminating of toxic metals (metal ions)
- sensing eliminating of pathogens
- sensing/eliminating of air pollutants

For more information, please visit: mdpi.com/si/179874

Guest Editor

Prof. Dr. Baozhu Tian

School of Chemistry and Molecular Engineering, East China University of Science and Technology, Shanghai 200234, China

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

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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