

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

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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.

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