



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

Guest Editor:

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Deadline for manuscript
submissions:

25 October 2024

Message from the Guest Editor

Dear Colleagues,

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

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Special Issue





sensors



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Message from the Editor-in-Chief

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