

Special Issue

Fluorescent Sensing in Food and Environmental Detection

Message from the Guest Editors

Food quality, food safety, and ecological–environmental health pose core issues for human survival and development. Developing efficient, precise, and rapid detection technologies for monitoring levels of possible contaminants in food and the environment, such as pesticide residues, veterinary drugs, heavy ions, mycotoxins, and illegal additives, is crucial for early warning and subsequent controlling of safety risks associated with these contaminants. Currently, fluorescent sensing technology, boasting prominent advantages including high sensitivity, rapid response, ease of operation, miniaturized equipment, and user-friendly on-site detection, has attained tremendous attention and has shown great promise in food component analysis, food contaminant screening, and environmental pollutant monitoring. This Special Issue aims to compile the latest research and advancements in the field of fluorescent sensors dedicated to food and environmental applications, featuring original research articles and short review articles.✉

Guest Editors

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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