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Colorimetric Sensors and Biosensors for Healthcare, Food Safety, Environmental Monitoring and Biosecurity Applications

Guest Editor:

Dr. Philip Gardiner
Biomolecular Sciences Research Centre, Sheffield Hallam University, Sheffield S1 1WB, UK

Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editor

Colorimetric sensors and biosensors lend themselves to the fabrication of user-friendly formats and offer almost instant results. Adopting these formats requires in-depth understanding of the fundamental theories underpinning the tests and ingenuity in assembling safe, reliable and cost-effective sensors and biosensors that can be deployed for the determination of analytes in samples with complex matrices.

We invite authors to submit research articles on colorimetric sensors and biosensors that can be used or adapted for use in non-laboratory settings. Descriptions of sensors and biosensors that are not already in usable formats but which authors can speculate on how further developments will make easy to use are also welcome.

Keywords:

- Colorimetric sensors and biosensors
- Point-of-use diagnostics
- Environmental monitoring
- Nucleic-acid-based and aptamer-based biosensors
- Antibody-based lateral flow devices
- Biosecurity

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Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences, UMR CNRS 5280, Department LSA, 5 Rue de La Doua, 69100 Villeurbanne, France

Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

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Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

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Chemosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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chemosensors@mdpi.com
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