

Special Issue

Colorimetric Sensors: Methods and Applications

Message from the Guest Editors

Colorimetric sensors have attracted attention for many sensing applications due to the potential of rapid analysis, cost effectiveness, ease of use, simple detection systems or even naked-eye observations. Currently, a number of colorimetric sensors have been developed for the sensing of small molecules, including cations, anions, and neutral species, and essential cellular components related to human living systems in solutions and biological samples, as well as therapeutic and diagnostic applications. In this Special Issue, we take particular interest in manuscripts that discuss the principles and mechanisms, fabrication methods, and relevant applications in various fields of colorimetric sensors. We invite authors to contribute original research and review articles that will stimulate more basic research on the development of colorimetric sensors. Potential topics suitable for the Special Issue include, but are not limited to: colorimetric sensing principles and mechanisms; nanomaterials for colorimetric (bio)sensors for biomedical applications; paper-based colorimetric sensors; colorimetric sensors toward cations, anions, and biomolecules; and colorimetric strips.

Guest Editors

Prof. Dr. Fengqing Yang

School of Chemistry and Chemical Engineering, Chongqing University, Chongqing 401331, China

Dr. Liya Ge

Nanyang Environment and Water Research Institute, Nanyang Technological University, Singapore 637141, Singapore

Deadline for manuscript submissions

closed (30 November 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/129363

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

mdpi.com/journal/sensors





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)