# **Special Issue**

### Fluorescent and Colorimetric Sensors for Diagnostics and Drug Analysis

### Message from the Guest Editor

Fluorescent and colorimetric sensors are powerful tools in diagnostics and drug analysis, offering sensitive and selective detection of biological and chemical analytes. Fluorescent sensors rely on changes in fluorescence intensity, wavelength, or lifetime in response to a target molecule, providing high sensitivity and real-time monitoring capabilities. Colorimetric sensors, on the other hand, induce visible color changes upon interacting with a target, making detection simple and cost-effective, often without the need for complex instrumentation. Both sensor types are widely used in medical diagnostics, environmental monitoring, and pharmaceutical analysis, aiding in the rapid, accurate identification of disease markers, pathogens, and drugs. Their versatility and ease of use make them essential in modern healthcare and research applications.

### **Guest Editor**

Dr. Mariagrazia Lettieri Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Via Banchi di Sotto 55, 53100 Siena, Italy

#### Deadline for manuscript submissions

closed (31 July 2025)



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

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#### 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

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