# **Special Issue**

# Functional Low-Dimensional Materials for Optical and Electrochemical Sensing

## Message from the Guest Editor

Current low-dimensional materials, including twodimensional (2D) materials (e.g., graphene, transition metal dichalcogenides, MXenes, phosphorene, and layered perovskites), one-dimensional (1D) nanostructures, and zero-dimensional (OD) nanomaterials, exhibit exceptional electrical, optical, and catalytic properties that enable the functioning of next-generation sensing devices. Cutting-edge research on the development of low-dimensional materials for optical and electrochemical sensing, exploring their unique physicochemical characteristics. functionalization strategies, and device integration for improved performance, has been explored. This Special Issue of *Sensors*, entitled "Functional Low-Dimensional Materials for Optical and Electrochemical Sensing", aims to provide a comprehensive overview of the latest advances in the use of low-dimensional materials for optical and electrochemical sensing applications. We welcome original research articles, reviews, perspectives, and short communications on. For more information please visit: mdpi.com/si/237693

### **Guest Editor**

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# Deadline for manuscript submissions

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## 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.

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