



Optical Chemical Sensors and Spectroscopy

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Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editors

The field of optical chemical sensors has been a growing research area over the last decades, finding increasing application in industry, environment, monitoring, medicine, biomedicine, and chemical analysis. The recent developments in this area are driven by such factors as the availability of low-cost, miniature optoelectronic light sources and frequency-output detectors, the need for multianalyte array-based sensors (particularly in the area of biosensing), advances in microfluidics and imaging technology, and the trend toward sensor networks.

Topics of interest for submission include, but are not limited to, the following:

- Optical chemical sensors;
- Optical transduction;
- Spectroscopic sensing;
- Imaging;
- Optical absorption;
- Luminescence-based sensors;
- Fluorescence-based sensors;
- Interferometric sensors;
- Fiber-optic sensor platforms;
- Diode laser sensing systems;
- Sol–gel-materials-based sensors.





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