

Special Issue

Chemical and Biochemical Fiber Optic Sensors

Message from the Guest Editor

Fiber-optic-based analyte detection schemes have evolved over the past three decades, with some target analytes such as pH, oxygen and glucose evolving into commercial or near commercial formats. This Special Issue of *Sensors* encourages the submission of manuscripts that report on detection methods for chemical and biochemical compounds of interest using optical fiber formats. The challenges related to selectivity, sensitivity and stability are often unique to the chemical of interest with its associated background mixture, and new and innovative approaches to addressing such problems are sought. Recent developments in design, miniaturization and integration into sensing arrays are of interest. Detection methods can be based on direct optical signatures or transducers that include chemical or biochemical reactions, as well as physical interactions with analytes that result in specific optical signatures. Target application areas can include healthcare, environmental, industrial or general analytical areas.

Guest Editor

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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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