Special Issue

Intelligent Photonics for Chemical Sensing

Message from the Guest Editor

Artificial Intelligence and information processing has an increasing importance in the development of advanced analytical systems, where multidimensional information-rich photonic sensors are today a key enabling technology for real-time, nondestructive chemical analysis in situ or remote composition analysis for medical, agriculture, environmental, and industrial applications. This Special Issue is a resource of information for the most recent advances in intelligent photonics for chemical sensing in several areas of application, covering topics ranging from fundamentals of sensor physics and engineering, novel sensors materials and procedures, to information processing and artificial intelligence methods. Both review and original research papers are invited for submission in, among others, the following areas applied to chemical sensing: - Novel intelligent photonic sensors;- Signal processing and artificial intelligence of photonic sensors; - Advanced photonic biochips and technologies;- Chemical Imaging and tomography;- Emergent high-dimensional spectroscopy sensors;- Emergent applications in medicine, agriculture, environment, and industry;

Deadline for manuscript submissions

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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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