

Special Issue

Optical Chemical Sensors and Spectroscopy for Chemical Trace Element Detection

Message from the Guest Editors

Optical spectroscopy techniques have been used for centuries to determine the chemical composition of materials and extract useful information by sensing properties and converting them into an optical signature. In 1960, Maiman's invention of lasers (i.e., light amplification by stimulated emission of radiation) has revolutionarily enabled spectroscopy techniques as powerful analytical tools for qualitative and quantitative chemical analysis, which could provide wavelength tunability with high resolution and selectivity, as well as different timescales of excitation. This Special Issue aims to gather scientific contributions focused on the current state-of-the-art of laser spectroscopy sensing and analytical techniques for chemical trace element (including gas, liquid, and solid, etc.) analysis and the related applications in environment, industry, agriculture, biology and medicine, food, public and national security, etc.

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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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