

## Special Issue

# Optical Micro-Resonators for Sensing

### Message from the Guest Editor

Optical resonators are firmly settled now in the frontier of research into ever more sensitive transducers. They can be used to convert changes in properties such as temperature, pressure, strain, refractive index, or the presence of specific molecules into a quantifiable optical signal. The enhanced interaction of the light with the medium to be sensed in the resonator, results in an increase of the sensitivity, which has led to the demonstration of ever decreasing detection limits. The goal of this Special Issue is to bring together recent developments in the field of sensors based on optical resonators. Our aim is to collect both comprehensive reviews of the latest research and exciting new developments, which will be of interest to a broad audience. Keywords: Whispering gallery modes; Microring; Microsphere; Microdisk; Microbottle; Photonic crystal cavity

### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2020)



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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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