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Optical Fiber Sensor Development and Applications

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Deadline for manuscript submissions:

closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

Optical fiber sensing has attracted extensive attention in the research field due to its intrinsic properties, such as its low cost, lightweight, portability, small size, capability of multiplexing, and even remote sensing. The possibility of using several optical fiber sensor configurations (reflection, transmission) combined with the implementation of different sensing mechanisms (evanescent field, optical resonances, intensity, gratings, luminescence or interferometers) makes it possible for it to serve as a great alternative for the detection of sensing analytes. The aim of this Special Issue is to provide novel research works as well as review articles related to optical fiber development and potential applications in a wide variety of diverse disciplines, such as biological, chemical, environmental monitoring, food industry, medical, physical or safety at work, among others.

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Special Issue



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Message from the Editor-in-Chief

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