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Advances in Plasmonic Sensing

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Plasmonic sensors are being utilized in many fields from chemical and biological sensing, to industrial applications in the pharma, gas sensing, and chemical industry, to superresolution imaging and enhanced imaging in cells, localized and extended plasmon-based sensors, and surface-enhanced spectroscopies (SEF, SERS, SEIRA). This Special Issue encompasses a broad range of plasmonic sensors and their applications, including LSEPR, ESPR, SEF, SERS, SEIRA, imaging and diagnostics applications. Further topics that will be covered include state-of-the-art technologies in plasmonic sensing devices and systems, novel methodologies, plasmonic structures, novel SERS and SEF substrates, functionalization protocols of metallic surfaces, and specific sensing protocols.

Prof. Dr. Ibrahim Abdulhalim
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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