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Sensors for Environmental and Life Science Applications

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Message from the Guest Editors

The Special Issue welcomes both original research and review articles that address the following non-exhaustive list of topics:

-Architecture of sensing materials: sp^2 C-based nanomaterials, metallic and metal oxide nanoparticles, composite materials, colloidal crystals and inverse opals, molecularly and ion-imprinted polymers, stretchable and implantable materials, antibodies, DNA, enzymes, etc.

-Analytes: molecules (drugs, toxins, pesticides, illicit substances, dyes, endocrine disruptors, glucose and related compounds, biocides), metal ions in the environment and in body fluids, (bio)macromolecules such as cancer markers, counterfeit medicines, etc.

-Matrices: body fluids, food and beverage samples, waste, rain, river waters, samples from water treatment plants and fish farms, landfill, etc.

-Devices: electrochemical sensors, optical sensors, piezoelectric sensors, magnetic sensors, immunosensors, DNA chips, microfluidic devices, micro/nano-sensors, printable sensors, wearable sensors, implantable sensors, sensing platforms, and smartphone-based sensing devices



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Special Issue



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Message from the Editor-in-Chief

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