Special Issue

Advanced Nanosensors Based on Novel Materials and Electrochemical Principles

Message from the Guest Editors

This Special Issue will showcase recent advances in the design and engineering of advanced nanosensors enabled by novel materials and electrochemical principles. We welcome original research and timely reviews that address (i) innovative sensing architectures and transduction strategies (amperometric, voltammetric, potentiometric, and impedimetric), (ii) new functional materials for electrochemical signal generation and amplification (nanostructured metals, carbon nanomaterials, 2D materials, MOFs/COFs, conducting polymers, and organic–inorganic hybrids), and (iii) device integration toward flexible, wearable, wireless, and multiplexed platforms. Topics of interest include biointerfaces and antifouling layers, micro/nanofabrication and printing, microfluidics and lab-on-a-chip systems, in situ/operando sensing in energy-storage and catalytic systems, and data analytics for robust, real-world deployment.

Guest Editors

Dr. Junseop Lee

Department of Materials Science and Engineering, Gachon University, 1342 Seongnam-daero, Sujeong-gu, Seongnam-si 13120, Republic of Korea

Dr. Trong Danh Nguyen

Department of Materials Science and Engineering, College of Engineering, Gachon University, 1342 Seongnam-daero, Sujeong-gu, Seongnam-si 13120, Republic of Korea

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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