Special Issue

Recent Advances in Low-Cost Chemical Sensor Technologies for Environmental Monitoring Applications

Message from the Guest Editor

This Special Issue will focus on chemical sensor technology, gas sensors, particulate matter sensors/detectors, greenhouse gas devices, sensor-nodes, hardware and software innovations, data communication, system integration, sensor evaluation, processing/correction algorithms, Machine Learning, new environmental solutions, and applications for air pollution monitoring. Proper calibration techniques are necessary, both in the laboratory and in field applications of single sensors and networked sensor-systems for environmental monitoring. Wireless sensor networks combined with modelling and chemical weather forecasting will be considered for smart city applications, including case-studies of air quality experimental campaigns and environmental measurements in urban hot spots.

The areas of particular interest to this Special Issue include but are not limited to:

Low-cost air quality sensors (gas, VOCs, PM);
Chemical sensors;
GHG sensors;
Chemical sensor-nodes and system development;
Chemical sensor calibration;
Machine Learning and Artificial Intelligence for chemical sensors;
Urban air pollution monitoring by chemical sensors;

Guest Editor

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About the Journal

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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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