

## Special Issue

# Chemical Sensors for Air Pollutants: Where the Heck Are We!

### Message from the Guest Editor

The development and application of low-cost air pollution sensors for stationary and mobile monitoring has **exploded** over the last decade. In that time, sensors have advanced from “what the heck is this thing measuring” to some providing data with quality close to regulatory measurements. Here, defining the air pollution sensor in simple terms as a system or node that collects a sample of air, one or more pollutants are measured by the detector (sensor), and data are transferred to a remote location for calibration and evaluation. Many air pollution sensors are now sold commercially with a focus on gas phase criteria pollutants and organic species. PM mass and a few PM components have also undergone great advancements and are included in this topic. This Special Issue focuses on advancements in air pollution sensors for the chemical species found in air, focusing on a better understanding of what air pollution sensors actually measure, calibration approaches, the uncertainty of the measurement, and especially sensors that measure the chemical components of PM.

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### Guest Editor

Dr. Paul A. Solomon  
PAS Environmental LLC, Henderson, NV 89052, USA

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## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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