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Global Mercury Assessment Sensing Strategies

Guest Editors:

Dr. Antonella Macagnano

Institute of Atmospheric
Pollution Research-National
Research Council (IIA-CNR), Via
Salaria km 29,300,
Monterotondo, 00016 Rome, Italy

Prof. Dr. Nicola N. Pirrone

CNR-Institute of Atmospheric
Pollution Research, 87036 Rende,
Italy

Prof. Dr. Milena Horvat

Department of Environmental
Sciences, Jožef Stefan Institute,
Jamova 39, SI-1000 Ljubljana,
Slovenia

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Message from the Guest Editors

Dear Colleagues,

Mercury is a persistent and toxic pollutant of global concern, capable of cycling within and between different environmental compartments, thus representing a risk for human health and ecosystems. Due to the low concentrations of mercury in different matrixes, the sampling methods have to be sensitive enough to cope with the requirements of traceability, accuracy, reproducibility and robustness.

This Special Issue of *Sensors* aims to publish state-of-the-art scientific results related to advances in monitoring, analytical methods and technologies designed to quantify and characterize mercury contaminations at hot spots, urban and industrial sites as well as at background location, within the following topics

optical colorimetric, electrochemical, chemical and bio-sensors; stand-alone sensor systems or part of an array of sensors; passive sampling devices; new nanomaterials to monitor mercury species; innovative analytical techniques to characterize mercury compounds in abiotic and biotic samples; tools for big field sensor data analytics.

Dr. Antonella Macagnano
Prof. Nicola Pirrone
Prof. Milena Horvat
Guest Editors



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Special Issue



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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

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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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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