



## Proximal Soil Sensing

Guest Editors:

**Dr. Raphael Viscarra Rossel**

Professor of Digital Soil Science & Agriculture, School of Molecular and Life Sciences, Curtin University, Kent St, Bentley, WA 6102, Australia

**Dr. Craig R. Lobsey**

The University of Southern Queensland, Toowoomba, QLD, Australia

Deadline for manuscript submissions:

**closed (31 December 2018)**

### Message from the Guest Editors

The development of proximal soil sensing is essential for the dynamic characterisation of soil to help advance our current understanding of such processes and for monitoring them. Recent technological advances in miniaturised, low-power, sensors that are also wireless show considerable promise. Thus, for this special issue we welcome reviews and original research articles on the following topics:

1. New soil sensor technologies for sensing biological, physical, and chemical soil properties;
2. Development of integrated multi-sensor systems for monitoring soil condition and function (or soil health);
3. Subterranean wireless sensor systems used for monitoring biological, physical, and chemical soil properties;
4. Sensor data analytics, including signal processing, sampling, multivariate calibration, machine learning, Bayesian modelling, multi-sensor data fusion;
5. Novel applications of proximal soil sensing in environmental, agronomic, engineering, robotic, archaeological, remote sensing and space applications;
6. Use of proximal soil sensing data in processed-based models at different spatial and temporal scales.





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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, Grosspeteranlage 5  
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