

## Special Issue

# Sensing Technologies and Applications in Digital Soil Mapping

### Message from the Guest Editor

Digital soil mapping (DSM) in soil science is the creation and the population of a geographically referenced soil database generated at a given resolution by using field- and laboratory-observed data coupled with environmental data through quantitative relationships. The development of digital soil mapping is closely related to the availability of spatially exhaustive and relatively low-cost data in the form of spatial imagery and digital elevation models, also derived from remote sensing, proximal sensing and areal sensing, that can effectively represent various soil forming factors and process. This Special Issue aims to use digital mapping techniques to characterize soils in space and time based on data collected by sensors; design, develop, and validate sensors for the fast, inexpensive, and accurate characterization of soil properties; optimize sampling designs to capture high spatiotemporal variations and in changing soil environments; and to develop modeling and decision-support systems and quantify underlying soil processes to develop better and more sustainable management plans.

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### Guest Editor

Prof. Dr. Asim Biswas

School of Environmental Sciences, University of Guelph, Guelph, ON N1G 2W1, Canada

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### Deadline for manuscript submissions

closed (20 April 2023)



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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

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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