

## Special Issue

# Digital Agroecology: Sensor and Data Technologies to Promote Regenerative Food Systems

### Message from the Guest Editors

Faced with global issues, including climate change, biodiversity loss, soil degradation, impaired water quality, etc., often bear the greatest burden. Investing in strengthening small-scale agriculture worldwide presents a key opportunity not only to address these global issues but also to improve the livelihoods of millions of farmers and their communities. In the near future, the continued development and application of sensor and data technologies, along with complementary technological tools, could serve as key drivers in facilitating the adoption of agroecological models and regenerative food systems, scaling them beyond the small farm level and contributing to the democratization of digital agroecological solutions for sustainable, safe, and nutritious food production. This Special Issue aims to highlight advancements in sensor and data technologies that support agroecological practices. Topics of interest include the following research areas:

- Remote sensing technologies;
- Ground-based proximal sensing;
- Biosensors
- Scalable next-generation sequencing (NGS) methods and etc.

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### Guest Editors

Dr. Gerardo Grasso

GEO-K S.r.l., Via del Politecnico 1, Rome, Italy

Dr. Marcello Biocca

Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria—CREA, Centro di Ricerca Ingegneria e Trasformazioni Agroalimentari, Via della Pascolare 16, 00015 Monterotondo, Italy

Dr. Oriana Gava

Council for Agricultural Research and Economics, Research Centre for Agricultural Policies and Bioeconomy, Viale della Toscana 21, 50127 Firenze, Italy

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### Deadline for manuscript submissions

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

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# About the Journal

## Message from the Editor-in-Chief

*AgriEngineering* (ISSN 2624-7402) is an international open access, open-source, and cross-disciplinary scientific journal on the engineering science of agricultural and horticultural production. Our aim is to encourage scientists to publish their experimental and theoretical research, along with the full set of schematics, source-code, and mechanical design models leading to accelerated and rapid dissemination of leading-edge technologies emerging in agricultural, environmental, and agronomic engineering. *AgriEngineering* publishes articles, technical notes, reviews, commentaries, and case/field reports, as well as Special Issues on particular subjects.

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## Editor-in-Chief

Prof. Dr. Francesco Marinello

Department of Land, Environment, Agriculture and Orestry, University of Padova, 35020 Legnaro, Padova, Italy

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