

Special Issue

Sensing and Monitoring in Modern Agriculture: New Technologies for Improving Crop Management

Message from the Guest Editors

The global challenges posed by climate change, population growth, and the need for sustainable resource management have intensified the demand for innovative solutions in agriculture. Modern crop management must strike a delicate balance between increasing productivity and minimizing environmental impact. In this context, sensing and monitoring technologies have emerged as pivotal tools to enable precision agriculture, optimize resource use, and promote sustainability across agricultural systems. This Special Issue of *AgriEngineering* seeks to provide a platform for groundbreaking research and innovative applications in sensing and monitoring technologies that address these challenges. By bringing together interdisciplinary contributions, we aim to highlight the role of emerging technologies in transforming agricultural practices into more efficient, sustainable, and resilient systems. This Special Issue is an opportunity to bring together researchers, practitioners, and industry professionals to explore how these technologies can shape the future of sustainable agriculture.

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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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