

Special Issue

Remote Sensing Techniques and the Smart Turfgrass Management

Message from the Guest Editors

The high demand of water, fertilizer and pesticides in turfgrass monitoring, associated with an efficient management of these inputs, can ensure high-quality turfgrass with a reduced maintenance input. In this context, the use of intelligent techniques and sensors for monitoring vegetation and water status has revealed various advantages to improve the quality and vigor of the grasslands. Contributions in this Special Issue include, but are not limited to, the following areas:

- The use of remote sensing techniques as keys strategies in the sustainability of urban green areas;
- Urban green space in smart cities;
- Intelligent strategies for an efficient irrigation and fertilization regime in turfgrass;
- The contribution of smart turfgrass management in environmental preservation;
- The effectiveness of drone imagery as an indicator of turfgrass quality and vigor;
- The use of thermal imagery and infrared thermometers as devices to detect stress in turfgrass;
- Soil moisture sensors and irrigation efficiency;
- Stress detection in vegetation monitoring;
- Weeds and pest detection techniques.

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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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