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 sustainabilty of urban green areas;
- Urban green space in smart cities;
- Intelligents strategies for an efficient irrigation and fertilization regime in turfgrass;
- The contribution of smart turfgrass management in environnmental 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.

Guest Editors

Dr. Pedro V. Mauri

Agro-Environmental Research Area, Madrid Institute for Rural, Agricultural, and Food Research and Development (IMIDRA), El Encín, A-2 Highway, Km. 38.200, Alcalá de Henares, 28805 Madrid, Spain

Prof. Salima Yousfi

Instituto Madrileño de Investigación y Desarrollo Rural, Agrario y Alimentario (IMIDRA), Departamento de Investigación Agroambiental, 28800 Madrid, Spain

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AgriEngineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriengineering@mdpi.com

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