

Special Issue

Information Technologies for Precision Plant and Crop Protection

Message from the Guest Editors

Information Technology (IT) tools are key elements of the technological infrastructure in supporting design and implementation of crop management at the appropriate space and time, according to the principles of IPM, Precision Agriculture and Agriculture 4.0. Sensors, communication devices, simulation software allow to manipulate and analyze large amount of data related to pests, crops, environmental variables and landscape, as components of Decision Support Systems. Graphical interfaces make DSS simple for end users, assisting in data entry, reports, risk maps, in field and food-chain management, simulation scenarios to direct tactics, strategies and policies. With this Special Issue, we intend to explore the main issues of ITs designed to protect crops and food production against pests and diseases, with particular focus on population dynamics, epidemiological models, site-specific IPM, DSS, Internet of things.

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