



## Agrometeorology Tools and Applications for Precision Farming

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### Message from the Guest Editors

Recent development of agrometeorology tools and methods aimed at precision farming relies on automatic weather station network, wireless sensor network, geospatial technologies (satellites, GIS, GNSS) (OPTICAL/SAR/LIDAR), variable rate technology, UAVS, ground-based sensing, high resolution weather forecast, dynamic crop models, and artificial Intelligence (AI) and machine learning (ML) tools. The potential of precision agriculture for smart farming could be visualized through imageries taken from high resolution satellite imageries, Unmanned Aerial Vehicles (UAVs) or any other platform; meteorological data from weather stations/satellites; and farmers practices with smart phones.

The aim of this Special Issue is to foster advances in agrometeorology and precision that includes, but are not limited to, the following topics:

Agrometeorological indices and climatic data tools, Crop simulation models (CSM) Integrated use of remote sensing and crop model, Use of geospatial technologies, weather forecast, and AI/ML tools, Agrometeorological programs and software, UAVs, tower-mounted, and air-borne sensors, Application of satellite sensors (SAR/GNSS/LIDAR).

