

Special Issue

Novel Studies in High-Performance and Precision Plant Protection Products Application

Message from the Guest Editor

With widespread Plant Protection Product (PPP) use, food quality and the life expectancy of humans have vastly improved, considerable attention has been given to environmental protection. Both manual and high-efficiency sprayers, such as the knapsack sprayer, spray gun, boom sprayer, air-blast sprayer, manned fixed-wing aircraft and so on, have been applied worldwide in different scenarios. Since the beginning of this decade, agricultural unmanned aerial spraying systems (UASS) for plant protection are growing rapidly as a new tool for PPP application. Both aerial and ground plant protection machines are moving in the direction of unmanned, precision, high-performance, standardization and informatization. More and more precise application technologies were proposed and applied with less PPP lost in the environment, but more research is needed so that new technologies can be incorporated to minimise agrochemical use and improve the timing of applications.

In this Special Issue, we aim to focus on any novel studies in theory, system, equipment, technology and evaluation methods for high-performance and precision PPP utilization. Both research and review articles are welcome.

Guest Editor

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