



Crop Disease Modeling and Disease Warning System

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Plant diseases are a major threat to the profitability and sustainability of agricultural production when left uncontrolled. Agricultural stakeholders are increasingly under pressure to adapt their decision-making to make more informed and efficient use of fertilizers and pesticides. They also face increasing uncertainty in how best to respond to competing health, environment, and (sustainable) development impacts and risks. Disease dynamics involves a complex interaction between a host, a pathogen, and their environment, representing one of the largest risks facing the long-term sustainability of agriculture. Disease risk and prediction models, considered as standalone or integrated within disease-warning systems, can help unravel the complex interconnection between the various factors conducive to disease outbreaks, thereby supporting decision making for improved disease management.





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Message from the Editor-in-Chief

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