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Title:

Achieving Sustainable Crop Protection with Digitally Integrated Solutions

Short Biosketch

Dr. Ana Dias has devoted the last 22 years to the study of Plant Pathology, with a passion to protect crops from plant diseases and other stressors. She is a Science Fellow and currently, she leads the Biochemistry Excellence for Disease Control with Small Molecules in Bayer Crop Science. Previously, Dr. Dias led the Global Plant Health program in Bayer, driving the research portfolio of Plant Breeding dedicated to enrich native tolerance to biotic and abiotic stressors in row crops grown around the world. Furthermore, Dr. Dias has vast experience in Epidemiology and Modeling, allowing her to contribute to digital enablement of risk predictions to major diseases and pests, a key component of a robust interdisciplinary management system for crop protection.

Abstract

Sustainability is increasingly becoming a major societal expectation, directly affecting the options farmers have available to manage stressors to their crops. Future crop protection products are expected to maintain excellent performance while creating minimum environmental impact throughout its life cycle. Advances in digitalization over recent years have allowed for both the development of novel and safe products and also for smart deployment of those solutions in agriculture. The purpose of this talk is to inspire the audience with an overview of new fronts digital innovations have opened in the pursue of sustainable crop management/protection solutions.

