

Special Issue

Phytopathogen Dynamics and Crop Diseases: Advances in Diagnosis, Epidemiology, and Management

Message from the Guest Editors

Following the remarkable success of the first edition, “Phytopathogens and Crop Diseases”, which attracted significant attention and high-quality contributions, the Editorial Office is delighted to announce this new edition. This Special Issue aims to highlight cutting-edge research on the complex dynamics of phytopathogens—including fungi, oomycetes, bacteria, nematodes, and viruses—and their impact on crop health and productivity. We welcome original studies, reviews, and short communications that advance our understanding of pathogen–host interactions, disease epidemiology under changing environmental conditions, pathogen evolution and resistance breakdown, and innovative management strategies. Particular emphasis is placed on emerging and re-emerging diseases, the integration of digital technologies (e.g., AI, modeling, remote sensing) for early detection and monitoring, genomic and molecular approaches to enhance plant resistance, and climate-smart solutions for sustainable crop protection. By fostering interdisciplinary dialogue, this Special Issue seeks to drive scientific innovation and support resilient, sustainable agricultural systems in the face of global challenges.

Guest Editors

Dr. Ying-Hong Lin

Department of Plant Medicine, National Pingtung University of Science and Technology, Pingtung 912301, Taiwan

Dr. Yuh Tzean

Department of Plant Pathology and Microbiology, National Taiwan University, Taipei 106319, Taiwan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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