

Special Issue

Plant Resistance against Bacterial and Fungal Pathogens: Mechanisms and Applications

Message from the Guest Editors

This Special Issue delves into the intricate mechanisms and applications of plant resistance against bacterial and fungal pathogens, exploring the forefront of research in basic and agricultural science. Plants have evolved an impressive array of defense mechanisms to counteract the threats posed by destructive microbial pathogens, and understanding these mechanisms is crucial for developing sustainable and effective strategies for crop protection. The focus of this Special Issue will be a spectrum of topics, ranging from the molecular and genetic basis of plant immunity to the application of cutting-edge technologies in enhancing plant disease resistance. For instance, key insights into the signaling pathways involved in plant defense responses, the role of secondary metabolites, and the manipulation of plant-microbe interactions are well welcomed. Additionally, the practical applications of these findings in the field of agriculture, including the development of resistant crop varieties and eco-friendly disease management strategies, are well encouraged.

Guest Editors

Dr. Ye Xia

Department of Plant Pathology, College of Food, Agricultural and Environmental Sciences, The Ohio State University, Columbus, OH 43210, USA

Dr. Chunquan Zhang

College of Agriculture and Applied Sciences, Alcorn State University, 1000 ASU Dr. #690, Lorman, MS 39096, USA

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

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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