

Special Issue

Effects of Abiotic and Biotic Stress in Plants

Message from the Guest Editors

As sessile organisms, plants always encounter two types of stress: biotic stress and abiotic stress, which significantly influence plant growth, development, and crop productivity. Exploring the mechanisms of how plants overcome such numerous stresses and breeding stress-tolerant crops will stay on the list of high-priority questions facing plant research. In this Special Issue, we seek original research or review articles focusing on plant–pathogen (such as fungi, bacteria, viruses, oomycetes, nematodes, and herbivores) interaction and abiotic stress (such as salt, drought, cold, heat, and heavy metal stress). We also welcome articles that discuss the crosstalk between biotic and abiotic stresses on plants, which have been seldom touched in the field of stress biology. Moreover, studies on genetic, epigenetic, and transcriptional regulation, post-translation modification, and signal transduction are most welcome. Topics also include stress-tolerant crop breeding, which is one of the major purposes for scientific study.

Guest Editors

Dr. Shulin Deng

1. Guangdong Provincial Key Laboratory of Applied Botany & CAS Key Laboratory of South China Agricultural Plant Molecular Analysis and Genetic Improvement, South China Botanical Garden, Chinese Academy of Sciences, Guangzhou 510650, China

2. National Engineering Research Center of Navel Orange, Gannan Normal University, Ganzhou 341000, China

Dr. Yi Zhang

Guangdong Provincial Key Laboratory of Applied Botany, South China Botanical Garden, Chinese Academy of Sciences, Guangzhou 510650, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

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