

Special Issue

Plant Biotic and Abiotic Stresses: Issues of Plant Health and Sustainable Food Security

Message from the Guest Editors

As global challenges such as climate change, population growth, and environmental degradation intensify, the impact of biotic and abiotic stresses on plant health has become a critical concern for food security. This Special Issue aims to bring together cutting-edge research that explores the mechanisms by which plants respond to these stresses, their implications for agricultural productivity, and innovative strategies for enhancing resilience in crops. The increasing frequency and intensity of biotic stresses (such as pests and diseases) and abiotic stresses (such as drought, salinity, and temperature extremes) pose significant threats to global food production. These stresses not only compromise plant health but also affect the nutritional quality and yield of crops, leading to dire consequences for food security. Understanding the interplay between these stresses and plant responses is essential for developing sustainable agricultural practices. By disseminating innovative research and insights, we hope to contribute to sustainable agricultural practices and improved resilience in food systems.

Guest Editors

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