

Special Issue

Advances in Plant Physiology of Abiotic Stresses Series II

Message from the Guest Editors

Plant stress could be defined as any unfavorable condition or substance that can affect or block the metabolism, growth and development of a plant. Plants are exposed to a large number of conditions or stressors. Abiotic stress is stress caused by non-living agents. Depending on the nature of the causal agent, it can be divided into physical and chemical. Physical stresses include water deficit, salinity (in its osmotic component), temperature extremes (heat, cold, freezing), excessive or insufficient irradiation, anaerobiosis caused by waterlogging or flooding, mechanical stress caused by wind or excessive soil compaction, and stress induced by wounds or injuries. Chemical stress is caused by salinity (in its ionic or toxic component), by the lack of mineral elements and by environmental pollutants such as sulphur dioxide (SO₂), nitrogen oxides (NO_x), chlorofluorocarbon compounds (CFCs), ozone (O₃) and metals.

This Special Issue will focus on “Advances in Plant Physiology of Abiotic Stresses”. We welcome novel research, reviews, and opinion pieces covering all related topics indicated above.

Guest Editors

Dr. José Ramón Acosta Motos

1. Plant Biotechnology for Food and Agriculture Group (BioVegA2), Universidad Católica San Antonio de Murcia, Avenida de los Jerónimos 135, 30107 Murcia, Spain

2. Plant Biotechnology, Agriculture and Climate Resilience Group, UCAM-CEBAS-CSIC, Associated Unit to CSIC by CEBAS-CSIC, 30100 Murcia, Spain

Dr. Sara Álvarez

Instituto Tecnológico Agrario de Castilla y León, Valladolid, Spain

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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. Leslie A. Weston

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

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