

Special Issue

Effects of Abiotic Stresses on Gene Expression and Physiology of Field and Tree Crops

Message from the Guest Editors

Unfavourable environmental factors adversely affect plant growth and reduce yield. Abiotic stresses - extreme high and low temperatures, changing rainfall patterns, drought, flooding, salinity, metal stress, and nutrient deficiency - negatively reduce crop production, representing a food security threat, particularly in areas where water supplies are already under pressure, and they also reduce the productivity and quality of forest products and services. In recent years, climate changes represent a global menace for agriculture and forestry sectors, and for the biodiversity. Plant “omic” progress can help in understanding the molecular, physiological and biochemical mechanisms underlying plant abiotic stress responses and in planning new selection, breeding and crop and forestry protection strategies to overcome these threats. This special issue aims to publishes high-quality and innovative papers on these topics.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2024)



Agriculture

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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