Special Issue

Vegetable Crops Breeding for Abiotic Stress Tolerance and Quality Traits

Message from the Guest Editor

The impacts of climate change are already being experienced around the world, and predictions indicate that the frequency of droughts and extreme high temperatures will increase. These abiotic stresses are impacting vegetable crop productivity and yield. Improving existing cultivars and breeding new ones with enhanced abiotic stress tolerance traits is critical to prevent further yield losses and produce crops that are well-adapted to climate change. Therefore, it is important to identify significant traits of interest associated with abiotic stress tolerance and increase the depth and breadth of molecular and physiological information available. However, vegetable crops frequently have narrow genetic diversity for abiotic stress tolerance traits due to intense selection for yield and quality traits at optimum growing conditions. Moreover, these stress tolerance characteristics are often complex polygenic traits. Additionally, there is a need for new, affordable, and rapid trait identification and phenotyping methods. This collection of articles will provide new solutions and add to the knowledge base for the development of vegetable crops adapted to abiotic stress.

Guest Editor

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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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