Special Issue

Advances in Stability and Adaptability on Crop Production

Message from the Guest Editors

Crop yield is a polygenic trait controlled by several genes. One of the characteristics of polygenic traits is the relevant phenotype is strongly influenced by the environment, and significant changes to phenotype occur with minimal changes in the environment. Due to genotype–environment interactions, it is difficult to recommend and introduce superior genotypes in a wide range of environments. Any factor is part of the plant's ecological conditions and is associated with the genotype–environment interaction, and thus has the ability to change the yield. Breeders need to select genotypes with better yield stability under changing climatic conditions. Better genotypes can be obtained through modification of these stable genotypes. The influence of the genotype–environment interaction means that it is not suitable for to engage in selection on a genotype based on its performance in one environment only. This Special Issue aims to discuss various yield prediction methods, as well as the stability and adaptability of crop production. Studies focused on applications regarding genotype–environment interaction, sustainable agriculture, and yield stability.

Guest Editors

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Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Editor-in-Chief

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