Special Issue

Analysis of Complex Traits and Molecular Selection in Annual Crops

Message from the Guest Editors

Agronomic traits of crops are some of the most concerned issues in agricultural production. The analyses of complex agronomic traits, such as crop yield, quality and stress resistance, molecular selection, and the construction and mining of complex relationship networks between crop genes and agronomic traits, represent the frontiers and hot issues in crop research. Complex agronomic traits of crops are controlled by the effects of multiple genes, environments, gene–gene interactions, and gene–environment interactions. For a long time, there has been a lack of effective research which analyzes complex agronomic traits. In this Special Issue, we seek integrative studies that highlight the genetic basis of complex agronomic traits in annual crops for molecular selection, including (but not limited to) the development of new techniques and methods and the integration of multiple omics data for the analysis of complex agronomic traits, as well as reviews that offer original perspectives on the analysis of complex traits and molecular selection in annual crops.

Guest Editors

Dr. Chao Shen

College of Biological and Food Engineering, Guangdong University of Petrochemical Technology, Maoming 525000, China

Dr. Hantao Wang

State Key Laboratory of Cotton Biology, Institute of Cotton Research of Chinese Academy of Agricultural Sciences, Anyang 455000, China

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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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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