Special Issue

Recent Advances in Crop Genetics and Breeding

Message from the Guest Editors

Global climate change and unfavorable abiotic and biotic stresses are limiting agricultural productivity, intensifying the challenges encountered by crop scientists in meeting the rising global food supply demand. As such, there is an urgent need to produce better crop varieties by efficiently using genetic resources and molecular tools. Precise target genome modification, the absence of foreign DNA in genomeedited plants, and the faster and cheaper method of genome modification are remarkable features of the current genome-editing technology that have resulted in its widespread application in crop breeding over less than a decade. This Special Issue will focus on recent advances in crop genetics and breeding, inviting researchers to contribute original research papers and reviews on themes including, but not limited to, the following:

- Identification and functional analysis of QTL and genes for crop improvement;
- Candidate gene and favorable allele identification for yield and biotic and abiotic stress tolerance;
- Favorable haplotype-based molecular breeding;
- Novel breeding techniques in crops, such as targeted mutagenesis, genome editing, etc.;
- Genomic selection.

Guest Editors

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

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