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Genetic Breeding of Pepper

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Message from the Guest Editors

Pepper (*Capsicum* spp.) is a worldwide vegetable crop of both economic and nutritional significance. Approximately 35 *Capsicum* species have been identified until now, including five domesticated species. Nevertheless, the large morphological variations in the fruit size and shape of pepper, as well as the different levels of pungency in its germplasm, offer an excellent opportunity to explore the evolution and genetics of pepper. With the developments made in the pepper genome, the most important issues related to promoting the biological study and breeding of this important crop are highly relevant topics to explore; this includes the exploration of the genetic basis that underlies pepper's traits of agronomical significance, and the function dissection of key genes.

To this end, this Special Issue invites research articles, reviews, and short communications that include, but are not limited to, the following: genetics analysis and improvements in breeding the important traits of pepper (*Capsicum* spp.), molecular function dissection, gene regulation mechanisms, gene family evolution, expression regulation networks, and other studies of pepper with high-throughput data.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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