Special Issue

Pepper Genetic Breeding and Germplasm Innovation

Message from the Guest Editors

Pepper (Capsicum spp.) was domesticated in the Americas around 6,000 years ago and has since spread worldwide. In recent years, the traditional breeding methods of pepper have struggled to achieve the complex breeding goals of multi-objective and mostly quantitative traits. With the rapid development of sequencing technology, molecular biology and bioinformatics, and pepper genomics research, molecular breeding technology and a series of molecular markers have been developed. At present, the transcriptome and pan-genome database of Capsicum has been constructed, and the breeding efficiency of pepper has been improved mainly through the construction of molecular genetic maps, molecular markers for quality traits, QTL analysis for quantitative traits, molecular marker-assisted selection and whole genomic selection.

This Special Issue, titled “Pepper Genetic Breeding and Germplasm Innovation”, invites all aspects of pepper genetic breeding and germplasm innovation, such as mapping/cloning of important genes, marker-assisted breeding, application of biotechnology tools in pepper, genetic resources of pepper, germplasm innovation of pepper and so on.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2024)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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