



## Advances in Omics of Chili Pepper

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### Message from the Guest Editors

Dear Colleagues,

Chili peppers, belonging to the *Capsicum* genus, hold significant importance as vegetables valued for their culinary, medicinal, and ornamental purposes. Additionally, they serve as an exceptional model for studying gene regulation and plant secondary metabolism. With reference genomes for three species, tens of genome assemblies, thousands of gene expression studies, at least forty-five clinical trials, and a vast collection of other publicly available resources at the NCBI and other data repositories, this crop stands out as one of the most extensively and comprehensively documented species within the Solanaceae family.

This Special Issue aims to contribute to the comprehensive understanding of the molecular aspects of chili pepper biology. It will encompass advances in the understanding of their genomes and molecular phenotypes, including the expression of genes, metabolites, and proteins, as well as the mechanisms involved in regulating these traits. The primary focus is to present an up-to-date panorama of integrative omics advances related to this crop. Nevertheless, we will also consider relevant progress in specific molecular aspects of *Capsicum*.





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## Message from the Editor-in-Chief

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