Special Issue

Genome Alignment and Regulatory Genomics in Horticultural Crops

Message from the Guest Editors

The advent of advanced genomic technologies has revolutionized our understanding of horticultural crops, particularly in the domains of genome alignment and regulatory genomics. Genome alignment enables precise comparison of genetic sequences across diverse horticultural species, facilitating the identification of conserved elements and evolutionary relationships crucial for crop improvement. Regulatory genomics, on the other hand, delves into the intricate networks of gene regulation that govern key agricultural traits such as yield, quality, and stress resilience. This Special Issue, titled "Genome Alignment and Regulatory Genomics in Horticultural Crops" aims to gather cutting-edge research that explores the application of genome alignment techniques to uncover genetic diversity and the functional annotation of regulatory elements in horticultural species. We welcome contributions that elucidate how these genomic insights can be translated into practical breeding strategies, enhancing crop productivity and sustainability. Manuscripts focusing on novel computational tools, comparative genomics studies, and functional genomics approaches are particularly encouraged.

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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