Special Issue

Advance in the Molecular Biology of Vegetables

Message from the Guest Editor

As an important economic crop, the acreage, yield, and demand for vegetables have increased in recent years. A green and efficient production must guarantee high yield, high quality, and multiresistant varieties of vegetables, and the selection and breeding of excellent new varieties cannot take place without accurate and efficient breeding technology. Molecular biological research on important agronomic traits, such as genetic mapping, molecular marker development, superior gene mining, functional genome research, etc., is the basis for the development of high-throughput and high-efficiency molecular design and breeding technologies. Due to the narrow genetic background of vegetables, the relevant molecular biology research progresses slowly before the decoding of the whole genome sequence information. This Special Issue aims to collect research articles and review papers on the biochemical and physiological aspects of vegetables' molecular biology, as well as papers describing recent developments in the pervasive roles of molecular biology in vegetable development, integrating metabolism, and plant–environment interactions.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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