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Genetic Approaches to Improve the Flavors and Appearance of Fruits, Vegetables and Herbs

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Deadline for manuscript
submissions:

closed (1 November 2021)

Message from the Guest Editors

Background: The flavor of agricultural products is the sensorial experience once we eat or drink, which is attributed to the presence of a mixture of chemicals perceived by our taste and olfactory receptors. The composition of this mixture of chemicals is the result of the genetic and genomic make-up of the given plant that brings about the final product we consume.

Aim and scope: To make the research on the genetic basis of flavor production in plants more accessible and communicative; to bring state-of-the-art works dealing with the flavor of agricultural products under the same roof; to create a thoughtful discussion about the opportunities and future of the field.

Cutting-edge research: Available gene pool, present in heirloom accessions and wild relatives of the commonly used cultivars products; transgenic methodologies; recent efforts study the potential of harnessing the genome editing system, CRISPR:Cas9

Papers we are soliciting: Papers describe the involvement of genes or genetic components in the production of flavor in herbs, fruits and vegetables; papers describes methods to evaluate the flavor of agricultural products.



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Special Issue



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Editor-in-Chief

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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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