

**Abstract text:**

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**Fruit metabolomic analysis strawberry cultivation and breeding technologies in Turkey**

Fruits including strawberries are produced and consumed not only because of their commercial and economic importance are essential and vital for human nutrition due to having their sugars, organic acids, pigments, volatiles and other nutraceutical compounds. They are a rich in bioactive metabolites, such as vitamins, minerals, and phenolic compounds, mainly anthocyanins. Numerous in vitro and in vivo studies indicated the health effects of fruits and their function as bioactive modulators of various cell functions associated with oxidative stress. Therefore, berries are play an important role and essential part of our diet and to breed nutrient-rich varieties with metabolite content is vital importance. Currently, hundreds of substances, including primary and secondary metabolites have been detected in berries. Analysis of fruit metabolomics are not only important for breeders, consumers are interests for food industry, also. In this presentation it was aimed to give some information about strawberry cultivation methodologies and breeding strategies in Turkey.