



Variability, correlation and path analysis studies for superior types of sweet orange (*Citrus sinensis* Osbeck)

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Abstract : A survey was undertaken during October-2012 to November-2012 during fruiting of *Ambia Bahar* in Aurangabad and Jalna district of Marathwada region of Maharashtra state and 28 samples were collected from different locations. In present study, the performance of types JAL-11, JAL-13, ABD-1 and ABD-3 showed better values in regards too many characters like number of fruits per tree, length and breadth of fruit, weight of fruit, TSS, total sugar and yield of fruits per tree. Hence, the overall studies indicated that the type JAL-11, JAL-13, ABD-1 and ABD-3 being productive and superior in quality stands for selection and further improvement.

Key Words : Sweet orange, Physico-chemical characters, Correlation, Path analysis

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