

CORRELATION AND PATH ANALYSIS IN CHILLI (*CAPSICUM ANNUUM L.*)

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Abstract: Correlation and path coefficient analysis for nine genotypes of chilli were evaluated during *rabiseason* of 2011-12. The studies revealed that green fruit yield per plant had highly significant and positive association with days to 50% flowering at phenotypic and genotypic level, number of primary branches at genotypic level, fruit length at phenotypic level, fruit bearing period and plant height at environmental level. Whereas, path coefficient analysis revealed that among the developmental characters *viz.*, days to 50% flowering, plant height (cm), number of primary branches, secondary branches, fruit bearing period, fruit width (cm), fruit weight (g), stalk/pedicle length (cm), number of seeds per fruit and number of fruits per plant showed high positive direct effect on green fruit yield per plant (g).

Keywords: Correlation, Path analysis, *Capsicum annuum L.*

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