

## **Genetic variability and inter relationship for horticultural and quality contributing character in mid maturity group of Indian cauliflower**

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**ABSTRACT :** An investigation was carried out to study the genetic variability in yield and quality contributing characters in mid maturity groups of cauliflower. Thirty two genotypes were grown in Randomized Block Design with three replications and evaluated for eighteen morphological and biochemical parameters. Highly significant differences and adequate variability were obtained among the genotypes for all the characters. The overall values of PCV were higher than those of GCV. The high estimates of GCV was observed in case of Vitamin C, sulphur content and marketable curd weight and high heritability coupled with high genetic advance was recorded for Vitamin C content, marketable curd weight, curd compactness, sulphur content. So for increasing marketable yield, a cauliflower genotype of mid maturity group should have more curd weight, more gross plant weight, high curd compactness, and high stem length value because these characters were positively associated with curd yield and also resembled high estimates of heritability along with high genetic advance.

**Key Words:** Genetic variability, heritability, path analysis and mid maturing cauliflower.