

Correlation and Path Coefficient Analysis in Groundnut Genotypes (*Arachis Hypogaea* L.)

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ABSTRACT

Simple correlation coefficients are used to find out the degree and direction of relationship between two or more variables are worked out for yield components and qualitative characters in fifty genotypes. The highly significant positive correlation were observed between kernel yield per plant and number of filled pods per plant, total pods per plant, pod yield per plant, harvest index per cent, 100 kernel weight, shelling per cent and SCMR at 60 DAS. Results of path analysis revealed haulm yield per plant, shelling per cent, harvest index per cent and 100 kernel weight were the major contributors of kernel yield by way of their positive and high direct effect. Hence there is much scope for selecting high yielding genotypes if selection pressure is exerted on above traits.

Key words: *Correlation, Groundnut, Path coefficient analysis.*