

**CORRELATION AND PATH COEFFICIENT ANALYSIS OF YIELD
COMPONENT AND FIBER QUALITY TRAITS OF UPLAND COTTON
(*GOSSYPIUM HIRSUTUM* L.)**

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ABSTRACT

*Phenotypic correlation and path coefficient analysis have been worked out for yield and fiber quality traits in 173 RILs of *Gossypium hirsutum* L. cotton at Agricultural Research Station, Dharwad, UAS, Dharwad. Number of bolls per plant, boll weight, 2.5% span length and micronaire value were found to be positively correlated with seed cotton yield while days to 50 per cent flowering shown negative correlation. Further partitioning of correlation coefficients into direct and indirect path ways of influences showed that the characters having most influence on seed cotton yield are boll weight and number of bolls per plant, which can be considered while selecting for higher yields.*

KEYWORDS: *Upland Cotton, Recombinant Inbred Lines and Fiber Strength*

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