

# Character Association and Path Coefficient Analyses in Upland Cotton (*Gossypium hirsutum* L.)

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## **ABSTRACT**

Phenotypic and genotypic correlation coefficients and path coefficients were worked out in 48 intra-hirsutum hybrids of upland cotton. Significant positive association of days to 50% flowering, number of sympodia plant<sup>-1</sup>, number of bolls plant<sup>-1</sup>, seed index, lint index and lint yield plant<sup>-1</sup> with seed cotton yield plant<sup>-1</sup> was observed from correlation studies. Path analysis indicated that number of bolls plant<sup>-1</sup> and lint yield plant<sup>-1</sup> exhibited high direct positive effect on seed cotton yield plant<sup>-1</sup>.

**Key words** : Correlation Coefficients, Cotton, Path Coefficients