

Correlation and Path Coefficient Analyses in CMS Lines for Floral and Morphological Traits in Rice (*Oryza sativa* L.)

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ABSTRACT

Correlation and path coefficient analyses were done using floral and morphological traits in 15 cytoplasmic male sterile lines of rice. Correlation studies revealed that outcrossing percentage had positive and significant association with panicle exertion percentage, angle of floret opening, flag leaf angle, duration of floret opening, stigma length, anther length and stigma exertion percentage. While, path analysis indicated that panicle exertion percentage, angle of floret opening, flag leaf angle, floret opening duration, stigma length, anther length and stigma exertion per cent had positive direct effect on outcrossing percentage.

Key words : Correlation, CMS lines, Hybrid Rice, Path Coefficient.