

# Variability, Character Association and Path Coefficient Analyses in Italian Millet [*Setaria italica* (L.) Beauv]

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## ABSTRACT

Investigations on extent of character association and path coefficient analysis were conducted in Italian millet. Calcium content, carotene, grain yield per plant, ear weight and straw weight, showed wider variability in the genotypes studied during both seasons. Grain yield per plant had significant positive association with plant height, flag leaf area, ear length, ear weight and straw weight during *Kharif* and with days to maturity, ear weight, straw weight, 1000 grain weight and calcium content in *Rabi*. Path coefficient analysis revealed that flag leaf area, ear weight and straw weight during *Kharif* and productive tillers per plant, days to maturity, ear length, ear weight, straw weight, 1000 grain weight and calcium content in *Rabi* had positive direct effect on seed yield per plant.

**Key words :** Correlation, Italian Millet, Path Coefficient Analysis, Variability