

**GENETIC VARIABILITY ANALYSIS FOR AGRONOMICAL AND  
PRODUCTIVITY TRAITS IN INTROGRESSION POPULATION BETWEEN  
CULTIVATED AND SYNTHETIC AMPHIDIPOIDS INGROUNDNUT (*ARACHIS  
HYPOGAEA* L.)**

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**Abstract:** Introgression line (IL) population DH 86 × ISATGR 278-18 was developed by crossing cultivated variety of groundnut viz., DH86 with the synthetic amphidioids (ISATGR 278-18) and backcrossing twice with the recurrent parents to generate 51 BC<sub>2</sub>F<sub>4</sub> ILs. Field evaluation of the ILs during *kharif* 2011 and *kharif* 2012 showed considerable variability and heritability for most of the agronomic and productivity traits. ILs showed normal distribution agronomic and productivity traits. Most of the agronomic and productivity traits were positively correlated. Thus, indicating importance of these traits for enhancing the productivity in the populations.

**Keywords:** Agronomic traits, *Kharif*, Backcrossing, Synthetic amphidioids

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