



Research Paper

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Characters association studies in broccoli [*Brassica oleracea* (L.) var. *italica*] under mid hill of Uttarakhand

■ GIRISH CHANDRA¹, P.S. SHUKLA¹, SHAILAJA PUNETHA², UDIT KUAR AND CHANDAN KUMAR²

Members of the Research Forum

Associated Authors:

¹Department of Seed Science and Technology, G.B. Pant University of Agriculture and Technology, College of Forestry and Hill Agriculture, Ranichauri, TEHRI GARHWAL (UTTARAKHAND) INDIA

²Department of Vegetable Science, G.B. Pant University of Agriculture and Technology, College of Forestry and Hill Agriculture, Ranichauri, TEHRI GARHWAL (UTTARAKHAND) INDIA

Author for correspondence :

UDIT KUAR

Department of Vegetable Science, G.B. Pant University of Agriculture and Technology, College of Forestry and Hill Agriculture, Ranichauri, TEHRI GARHWAL (UTTARAKHAND) INDIA

Email : udit_74@rediffmail.com

ABSTRACT : Characters association studies may help in the selection of the traits associated with the highest expression in terms of quality and quantity (yield). The correlation study revealed that the seed yield of broccoli exhibit highly significant and positive correlation with days to maturity, plant height, number of secondary branches per plant, number of silique per plant, length of silique and number of seeds per silique. Seed yield also positively correlated with number of primary branches per plant and diameter of silique. The highly significant and positive correlation of vigour index-I was obtained with 1000-seed weight, standard germination, seedling length and seedling moisture content, while the vigour index-II showed significant and negative correlation with seedling moisture content.

KEY WORDS : Broccoli, Protein, Fat, Carbohydrate, Iron

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