

Diversity analysis of lentil (*Lens culinaris* Medik.) germplasm using morphological markers

AMIT KUMAR SINGH¹, PANKAJ KUMAR², JITENDER SINGH², ROSY RANI¹, ANCHAL RANI¹,
PRADEEP SHUKLA¹ AND PRAGATI MISRA¹

¹Sam Higginbottom Institute of Agriculture, Technology and Sciences, ALLAHABAD (U.P.) INDIA

Email : pragatimisra3@rediffmail.com

²College of Biotechnology, Sardar Vallabh Bhai Patel University of Agriculture and Technology, MEERUT (U.P.)
INDIA

Diversity analysis among the seventy six germplasm of lentil (*Lens culinaris* Medik.) was estimated using morphological markers. Morphological characterization was done based on different parameters like plant height, primary and secondary branches per plant, number of leaves per plant and fresh weights carried out at different stages of the crop and showed wide variability. Dry matter partitioning *viz.*, leaf dry weight, pods dry weight, total dry weight, yield and yield components, pod per plant, seed per plant, 100 seeds weight and seed yield per plant, were recorded at the time of harvest. The results of present investigation suggested that genetic relationships in lentil germplasm using morphological data may be useful for plant improvement and an efficient way to conserve genetic resources of lentil.

Key words : Diversity, Germplasm, Lentil, Morphological marker

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