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RESEARCH PAPER

Characterization of chilli genotypes using SDS PAGE protein profile

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Abstract : Proteins are important parameters in biochemical taxonomy. Seeds of 11 chilli genotypes were studied for seed protein. SDS polyacrylamide gel electrophoresis technique was used to study the water soluble protein pattern. The dendrogram was developed using NTSYS analysis provided three major clusters. The co-efficient level ranged between 0.01 to 0.05 and the three main clusters containing genotypes showed similarity within the cluster group, the similarity of the cluster contain genotypes showed the same protein profile due to environmental influence within the Clusters. Hence, the molecular studies are under pipeline.

Key Words : SDS-PAGE, Biochemical test, Clusters, Varietal identification

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