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A Case Study

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Electrophoretic characterization of genotypes of cucumber (*Cucumissativus* L.) based on seed protein profiles

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ABSTRACT : Twenty germplasm lines of cucumber (*Cucumissativus*) were characterized by sodium dodecyl sulphate polyacrylamide vertical slab gel electrophoresis (SDS-PAGE). The seed protein could be resolved into total 11 bands distributed in 3 zones *i.e.* A, B and C. Zone A has 5 bands, zone B has 3 bands and zone C included 3 bands. Based on electrophoregrams genotypes were classified into 6 dissimilar groups. It was possible through seed protein profiles to distinguished morphologically similar genotypes. Hence, seed protein profiles proved useful in identifying cucumber genotypes.

Key Words : Electrophoretic characterization, Genotypes, Cucumber, Seed protein

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