

# **Identification of Mesta Varieties through Gel electrophoresis of Tris-soluble Seed Proteins**

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## **ABSTRACT**

A study was conducted with an objective of varietal identification by using gel electrophoresis of tris-soluble seed proteins. Nine genotypes of Mesta (*Hibiscus cannabinus* and *H. sabdariffa*) were characterized by utilizing soluble proteins from extracts of single seeds by SDS-PAGE. The specific banding patterns of total soluble seed proteins by SDS-PAGE was quite different for each of these genotypes and therefore, it was possible to identify each genotype individually indicating the usefulness of electrophoretic variation in soluble seed protein for varietal characterization.

**Key words :** Mesta, Rm, Storage protein, SDS-PAGE.