## عنوان مقاله:

Genetic Variability of Access of the Active Germplasm Bank of Coffea canephora of Incaper in Southern Espírito
Santo

## محل انتشار:

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## خلاصه مقاله:

This study aimed to analyze the genetic variability of MYW accessions of the Active Germplasm Bank (BAG) of Coffea canephora of the Institute for Research, Technical Assistance and Rural Extension of Espírito Santo (Incaper) using MA quantitative phenotypic characters. The standardized average Euclidean distance between the accessions was estimated to generate a statistical distance matrix and, from this, the groupings were performed using the Tocher and UPGMA. Concerning the studied accessions, the amplitude of the data set for each characteristic, and the possibility of selection were visualized. The accuracy of data collection was verified by the Variation Index with values below 10%

for most of the characters, except for characters such as number of rosettes in the upper plagiotropic branch, number of grains in the smallest orthotropic branch, and number of grains per rosette on the upper plagiotropic branch. Using the Tocher method, Ya groups were recognized, 10 of which were formed by only one accession. The hierarchical grouping highlighted the lack of duplicates and accessions ۱۷۳ (ES 1-B) as the most genetically distant. The analysis of the relative contribution of each character distinguished fresh matter and dry matter of orthotropic branches thrown by plants susceptible to pruning as fundamental for the differentiation of accessions and important in future studies of diversity as they are responsible for about AP% of the phenotypic variability of the study. There were no duplicates among the evaluated accessions and there are heterotic groups and distinct accessions in the BAG that can be used in hybridization programs or per se to obtain new cultivars. The pairs of the most similar and dissimilar accessions were F۵ (۱FΛ/λ۶) and ٣٢٠ (IAC٣Y) with a statistical distance of o.oVIP and IVP (ES 1-B) and YVo (For-Marilândia) with a .distance of o. FYFQ, respectively

**کلمات کلیدی:** Conilon Coffee, Diversity, Multivariate Analysis, Cluster

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