

Qualitative Morphological Characteristics of Some Papilionoideae Fruits of Chandrapur District: A Comprehensive Analysis

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Abstract: *Papilionoideae* is a subfamily of *Fabaceae* or *Leguminosae*. The family is characterized by the fruit called a legume (a one-carpeled, beanlike, seed pod). The present investigation was carried out to study qualitative morphological characteristics of *Papilionoideae* fruit (legume). The qualitative characteristics of fruit analyzed include shape, color, exocarp hairiness, surface, apex, base, shattering, seeds/fruit, locules/fruit and fruit orientation. Fruits of different 24 species belonging to family *Papilionoideae* were used for the present investigation. Variations in the morphological characteristics of fruits were observed among studied taxa. The disparity in fruit morphological characteristics can be utilized as taxonomic tool to differentiate the taxa.

Keywords: papilionoideae, qualitative morphology, legume, fruit

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