

Pollen Grain Morphology in some of *Onobrychis* Species

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Abstract

Aim and background .The genus *Onobrychis* Adans) Fabacea (belongs to Hedysareae tribe . *Onobrychis* is the biggest genus of Hedysareae Tribe which has 27 endemic species in Iran.

Materials and Methods. Pollen morphology of 11 taxa of the *Onobrychis* was studied with Scanning Electron Microscopy) SEM.(

Results. the results obtained showed that pollen grain is 3-collpate, prolate or perprolate. Exine ornamentation is reticulate and dimation of lumen is different. The equatorial view was elongated, elliptic and the pollar view was circular or obtus-triangular. One pollen type is recognized based on size, equatorial and polar view and exines ornamentation.

Conclusion. Pollen morphological studies provided the opportunity to identify and separate species.

Key Words. Electron microscopy, *Onobrychis*, pollen morphology

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