

عنوان مقاله:

POLLEN MORPHOLOGY OF THE GENUS CARPINUS L. (CORYLACEAE) IN IRAN

محل انتشار:

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خلاصه مقاله:

Pollen morphology of four taxa of the genus *Carpinus* growing in Iran was examined, using light (LM) and scanning electron microscopy (SEM). The main aim of this study is to determine the pollen morphology of this genus in Iran and finding the pollen characteristics. The pollen grains are triporate, tetraporate and pentaporate and more or less subprolate. The shape of pores are more or less circular, the surface sculpture of exine is irregularly cone-shaped and the apex is pointed. *C. orientalis* Miller subsp. *macrocarpa* (Willk.) Browicz and *C. betulus* var. *parva* have the largest and smallest pollen size (mean = $35.18 \pm 3.96 \mu\text{m}$) and (mean = $24.95 \pm 0.18 \mu\text{m}$), respectively.

کلمات کلیدی:

carpinus, *Corylaceae*, Taxonomy, pollen, Iran

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