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New morphological characters for some *Erysimum* (Brassicaceae) species

of

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**Abstract:** Trichome shapes were investigated on the outer and inner surfaces of fruit valves of 43 species of *Erysimum* L., 20 of which are endemic to Turkey, by light microscopy (LM) and scanning electron microscopy (SEM). Five species, *Erysimum sorgerae* Polatschek., *E. huber-morathii* Polatschek, *E. cheiri* (L.) Crantz, *E. repandum* L. and *E. vuralii* Yild. were identified, in which there are trichomes on the inner surface of fruit valves, which was determined for the first time in these species. Two morphological distinct types of trichomes were observed on the inner surfaces of the fruit valves of *E. huber-morathii* and *E. repandum*, and more than 8-rayed and branched trichomes. Electron micrographs of these species were obtained.

**Key words:** Brassicaceae, *Erysimum*, indumentum types, SEM, Turkey



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