

Turkish Journal of Botany

Turkish Journal

of
Botany

Pollen Studies on Some Species of the Genus *Convolvulus* L. (Convolvulaceae) from Morocco

Yusuf MENEMEN

Kırıkkale University, Faculty of Science and Literature, Biology Department, Kırıkkale - TURKEY

Stephen L. JURY

Department of Botany, Plant Science Laboratories, The University of Reading, P.O. Box 221,
Whiteknights,

Reading, Berkshire, RG6 6AS - UK

 [Keywords](#)
[Authors](#)



bot@tubitak.gov.tr

[Scientific Journals Home
Page](#)

Abstract: The pollen grains of nine species of *Convolvulus* L. from Morocco were studied using scanning electron microscopy and light microscopy. The species belong to three sections and four subsections: sections *Convolvulus*, *Acanthocladi* Boiss. and *Inermes* Boiss. and subsections *Convolvulus*, *Spinescentes* Boiss., *Oleifolii* Peter, and *Diffusi* Boiss. The pollen grains in the genus examined are all 3-zonocolpate. The pollen is suboblate, oblate-spheroidal, prolate-spheroidal and prolate. The nexine is thinner than the sexine and the tectum is distinctly perforated in all species. The pollen grains show variation within the genus in polar and equatorial axes, colpus length and shape. These variations sometimes correspond with the morphological features of the species and, therefore, can be used to distinguish between some closely related species.

Key Words: Convolvulaceae, *Convolvulus*, pollen.

Turk. J. Bot., **26**, (2002), 141-148.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Bot., vol.26,iss.3.](#)