

## Autoecological characteristics of *Cyclamen mirabile* Hildebr. (Primulaceae) – an endemic species of Turkey

**Authors:**

Ramazan Mammadov,  
Olçay Düsen and  
Cennet Ozay

**Institution:**

Pamukkale University,  
Faculty of Science and  
Literature, Department of  
Biology, Denizli, Turkey.

**Corresponding author:**  
Cennet Ozay

**ABSTRACT:**

The aim of this study was to determine the autecological characteristics of *Cyclamen mirabile* Hildebr. (Primulaceae) distributed in the South-West of Anatolia. *C. mirabile* is an endemic species recorded in the Flora of Turkey. The soil and plant samples were collected from Muğla, Isparta and Aydın regions during the vegetative and generative growth periods between 2006-2010. The physical and chemical properties of the soil were analyzed. The relationship among potassium, phosphorus and nitrogen contents of the soils, aerial and under ground parts of the plants in vegetative and generative periods were statistically examined. The results of this study shall be used in the future for the cultivation of *C. mirabile* as an ornamental plant.

**Keywords:**

*Cyclamen mirabile*, endemic, Primulaceae, plant characters, soil characters