

عنوان مقاله:

Interactive effects of drought and salinity on reproductive traits and chlorophyll content of *Narcissus tazetta* L

محل انتشار:

اولین همایش بین المللی و دومین همایش ملی مدل سازی و فناوری های جدید در مدیریت آب (سال: 1401)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Hassan Bayat - *Department of Research Group of Drought and Climate Change, University of Birjand, Birjand, Iran*

Ali Naseri Moghadam - *Department of Horticultural Science, College of Agriculture, University of Birjand, Birjand, Iran*

Mohamad Hossein Aminifard - *Department of Horticultural Science, College of Agriculture, University of Birjand, Birjand, Iran*

Farid Moradinezhad - *Department of Horticultural Science, College of Agriculture, University of Birjand, Birjand, Iran*

خلاصه مقاله:

This study was aimed to investigate the interactive effects of drought (۹۰, ۷۰, ۵۰, and ۳۰% FC) and salinity (۰, ۲۰, ۴۰, and ۶۰ mM NaCl) on flower quality, antioxidant activity and ion concentrations of *Narcissus tazetta* L. cv. Shahla. The results demonstrated that drought, salinity, and their interactions had adverse effects on reproductive parameters (flower diameter and flower duration) of *N. tazetta* except for the flower number. Both drought and salt stress decreased total chlorophyll content, and the lowest value was obtained from ۶۰ mM NaCl × ۳۰% FC treatment. In conclusion, the sensitivity of *N. tazetta* plant to salinity stress was more than drought, which was exacerbated by the simultaneous application of both stresses.

کلمات کلیدی:

Flower diameter, Flower number, Total chlorophyll

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1736844>

