

## عنوان مقاله:

New Cytotype of *Crocus pallasii* sub sp. *haussknechtii* from West of Iran

## محل انتشار:

دومین سمپوزیوم بین المللی تکنولوژی و بیولوژی زعفران (سال: 1385)

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## خلاصه مقاله:

*C. pallasii* is one of the close relatives of *C. sativus*. A new cytotype of this species was discovered from west of Iran (Reno valley & Islamabad-e-Gharb). For karyotype studies, Lewitsky fixative and aceto-iron-hematoxylin stain were used. Karyotype of this cytotype with  $2n=12$  consists of one large pair of metacentric chromosomes with a satellite in the long arm, one pair of large submetacentrics, two pairs of smaller submetacentrics and two smallest pairs, which are metacentrics. This plant cytogenetically is very similar to *C. pallasii* subsp. *turcicus* ( $2n=12$ ) and also *C. pallasii* subsp. *haussknechtii* with  $2n=14$  chromosomes. However *C. p.* subsp. *haussknechtii* with 16 chromosomes is considerably different from these two cytotypes. It seems that during evolution new cytotype with  $2n=12$  derived from *C. p.* subsp. *haussknechtii* with  $2n=14$ .

## کلمات کلیدی:

aceto-iron-hematoxylin, chromosome, *Crocus sativus*, evolution, karyotype

## لینک ثابت مقاله در پایگاه سیویلیکا:

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