

## عنوان مقاله:

Chromosome number and meiotic behaviour of two populations of *Onobrychis chorassanica* Bunge (O. sect. *Hymenobrychis*) in Iran

## محل انتشار:

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## خلاصه مقاله:

The genus *Onobrychis* belongs to family Fabaceae and has about 130 species throughout the world. *Onobrychis* sect. *Hymenobrychis* with nearly 14 species in Iran is one of the important sections of the genus. The chromosome number and meiotic behaviour were studied in two populations of *Onobrychis chorassanica* belonging to this section native to Iran. This report is the first cytogenetic analysis of this taxon. Both populations are diploid and possess  $2n = 2x = 14$  chromosome number, consistent with the proposed base number of  $x = 7$ . Although these taxa displayed regular bivalent pairing and chromosome segregation at meiosis, some meiotic abnormalities were observed. The meiotic abnormalities included varied degrees of chromosome stickiness including B-chromosome, cytotoxicity, asynchronous nucleus, fragmented chromosomes, occurrence of lagging chromosomes, chromosome bridges, desynapsis, micronucleus and tripolar cells

## کلمات کلیدی:

chromosome number, Fabaceae, meiotic behaviour, *Onobrychis chorassanica*, O. sect. *Hymenobrychis*

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/542894>

