



Cytogenetic studies regarding the species *Elymus sabulosus* bieb.

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In the present paper are presented the karyotype and the morphological features of the chromosomes of a species of sand plants: *Elymus sabulosus* Bieb. We have used seeds harvested during the summer 2001 from the sand dunes of Agigea (Constanța). After germination the roots were prefixed in 0,2% colchicine, fixed with Battaglia fixator and stained with Schiff reagent (according to Feulgen method). The detection of the homologous chromosomes and the determination of their position in karyotype was carried out according to the method of Levan. Our study pointed out that the number of chromosomes inside somatic cells is 28; we have identified four haploid sets of chromosomes, the species *Elymus sabulosus* being an autotetraploid with the fundamental number $x = 7$.