



Comparative cytogenetic study of two species of sand-loving plants: *Elymus sabulosus* bieb. And *Ecballium elaterium* (L.) A. Rich.

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In the present paper, the authors investigate the chromosomal number and the morphological traits of the mitotic chromosomes in two species of sand-loving plants one of monocotyledons: *Elymus sabulosus* Bieb. and the other of dicotyledons: *Ecballium elaterium* (L.) A. Rich. The material consisted in seeds harvested especially from the dune reservation Agigea (Constanța). For *Elymus sabulosus* 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 $x = 7$. For *Ecballium elaterium* we confirmed the previous studies in what concerns the chromosomal number ($2n = 18$), but a good karyotype was very difficult to be obtained.