



FIRST EUROPEAN SYMPOSIUM
RESEARCH, CONSERVATION AND MANAGEMENT
OF BIODIVERSITY IN THE EUROPEAN SEASHORES



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BOOK OF ABSTRACTS





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**BIODIVERSITY OF THE FAMILY *ASTERACEAE*
OF TRANS-ILI ALATAU**

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Biodiversity of the family *Asteraceae* of Trans-Ili Alatau was studied. A total of 352 species belonging to 91 genera were detected. The genus *Artemisia*, with 32 species, occupies the first place among ten leading genera. The second place belongs to the genus *Taraxacum*, which contains 31 species, and the genus *Erigeron* with 23 species is situated at the third place.

In addition, the life forms of plants belonging to the *Asteraceae* family were analyzed. Perennials (251 species or 71.31%) are predominant by the number of species, then annuals follow (56 species or 15.91%) and biennials (35 species or 9.94%). The smallest part of species belongs to dwarf shrubs (8 species or 2.27%) and shrubs (2 species or 0.57%).

The family *Asteraceae* of Trans-Ili Alatau includes 191 economically important species. Among them the greatest number of species belongs to medicinal (98 species), fodder (21 species) and aromatic (17 species) plants. A total of 23 endemic (*Artemisia heptapotamica* Poljak., *Iris alberti* Regel, *Saussurea blanda* Schrenk., *Jurinea almaatensis* Iljin, *Echinops transiliensis* Golosk. et al.) and 11 rare (*Galatella saxatilis* Novopokr., *Hieracium kumbelicum* B.Fedtsch. et. Nevski, *Jurinea almaatensis* Iljin, *Jurinea robusta* Schrenk, *Plagiobasis centauroides* Schrenk, *Saussurea involucrata* (Kar. et Kir.) Sch.Bip., *Schmalhausenia nidulans* (Regel) Petrak, *Serratula dshungarica* Iljin, *Tanacetopsis goloskokovii* (Poljak.) Karmysheva, *Taraxacum vitalii* Orazova, *Taraxacum kok-saghyz* Rodin) species were detected in the family *Asteraceae*.

According to the results obtained, the family *Asteraceae* of Trans-Ili Alatau contains 352 species belonging to 91 genera. The genus *Artemisia* takes the leading position of the genera of the family.

Key words: biodiversity, *Asteraceae*, Trans-Ili Alatau, species.