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A new *Tulipa* L. species from Uzbekistan

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A b s t r a c t : *Tulipa scharipovii* TOJIBAEV nov.sp. (subg. *Tulipa*) was newly described. Its relationship to other Western-Tian-Shanian species is discussed.

K e y w o r d s : Taxonomy, *Tulipa*, Uzbekistan, description.

Introduction

A new species of the genus *Tulipa* L. with yellow flowers was found on the southern slopes of Kurama mountain range within the north-western part of the Fergan depression. In 2009 there was an unusual rainy spring with a big amount of precipitation. This new taxon was growing on low mountainous salty hills and it was rather similar to *T. ferganica* VVED., but differs in details of several significant characters.

Results and discussion

Tulipa scharipovii TOJIBAEV nov.sp. (subg. *Tulipa*)

Bulbus ovatus, ca 3 cm crassus, tunicis validis nigro-brunneis, coriaceis, non prolongatis, intus apice lanatis tectus. Caulis (10) – 15-20 cm altus cum pedunculo glaber. Folia 3,7-10 cm longa, glabra lanceolata approximata subverticillata, in vivo patentia crispata, margine undulata, infimum 0,5-1 cm lata. Flos unicus. Perigonii phylla lutea basi non maculata, exteriora elliptico-prolongata apice obtusa vel emarginata 1,8-2 cm lata, 2,5 cm longa, interiora elliptica apice emarginata raro pilosa, 2 cm lata, 2,5 cm longa. Stamina perigonii phyllis 2-2,5 – plo breviora, 9-10 mm longa. Filamenta glabra lutea. Antherae luteae filamentis aequilongae. Ovarium staminibus longiora virescens. Capsula ignota.

Differt ab *T. ferganica* VVED. perigonii phyllis ellipsoideis (nec prolongatis), apiceis obtusatis emarginatis pilosis (nec acutis glabris).

Habitat ad montibus KURAMENSE & CHATKALENSE (Asia Media Tian-Shan Occidentalis).

Typus: Tien-Shan Occidentalis, montes Kuramensis, prope pagum Uygursay, N 40 54'54.7'' E 71 03' 28,1'' h= 530 m. s. l., 20.03.2009, Tojibaev (TASH).

Species in honorem Dr. Asad Sharipov Taschkentensis denominata est.

Bulb ovate, 3 cm late, outer tunics coriaceous, darkish brown, non prolonged, inside hairy. Scape glabrous (10) 15-20 cm long. Leaves 3,7-10 cm long, glabrous, lanceolate, nearly verticillate, curled in the living stage with undulate margins, interior ones 0,5-1 cm thick. Bloom solitary. Tepals yellow without spots, outer ones elliptic or prolonged in the upper part obtuse or emarginated, 2 cm width, inner ones elliptic in the upper part emarginated with single hairs, 2 cm width, 2,5 cm long. Stamen 9-10 mm long, 2-2,5-times shorter than tepals. Filaments yellow, glabrous. Anthers yellow, as long as filaments. Ovary greenish, longer than stamen. Capsule unknown.

This species is related to yellow-flowered group of *T. altaica* PALL. ex SPRENG., which is naturally growing in Altai (Siberia) and Dzhungarian Alatau (Central Asia). In the northern Tian-Shan (Ketmen range) this group is presented by *T. iliensis* REGEL and in Pamir-Alai (Darvaz range) - *T. anisophylla* VVED. There is one more yellow-flowered species in the northern part - *T. ferganica* VVED. (Fig.1). All these 3 species are differing from *T. scharipovii* (Fig. 2) by the form of the leaves, as well as by sharp tepals (VVEDENSKY & KOVALEVSKAYA 1971).

Zusammenfassung

Die Art *Tulipa scharipovii* TOJIBAEV nov.sp. (subg. *Tulipa*) wurde neu beschrieben und ihre Beziehungen zu anderen West-Tian-Shan-Arten diskutiert.

References

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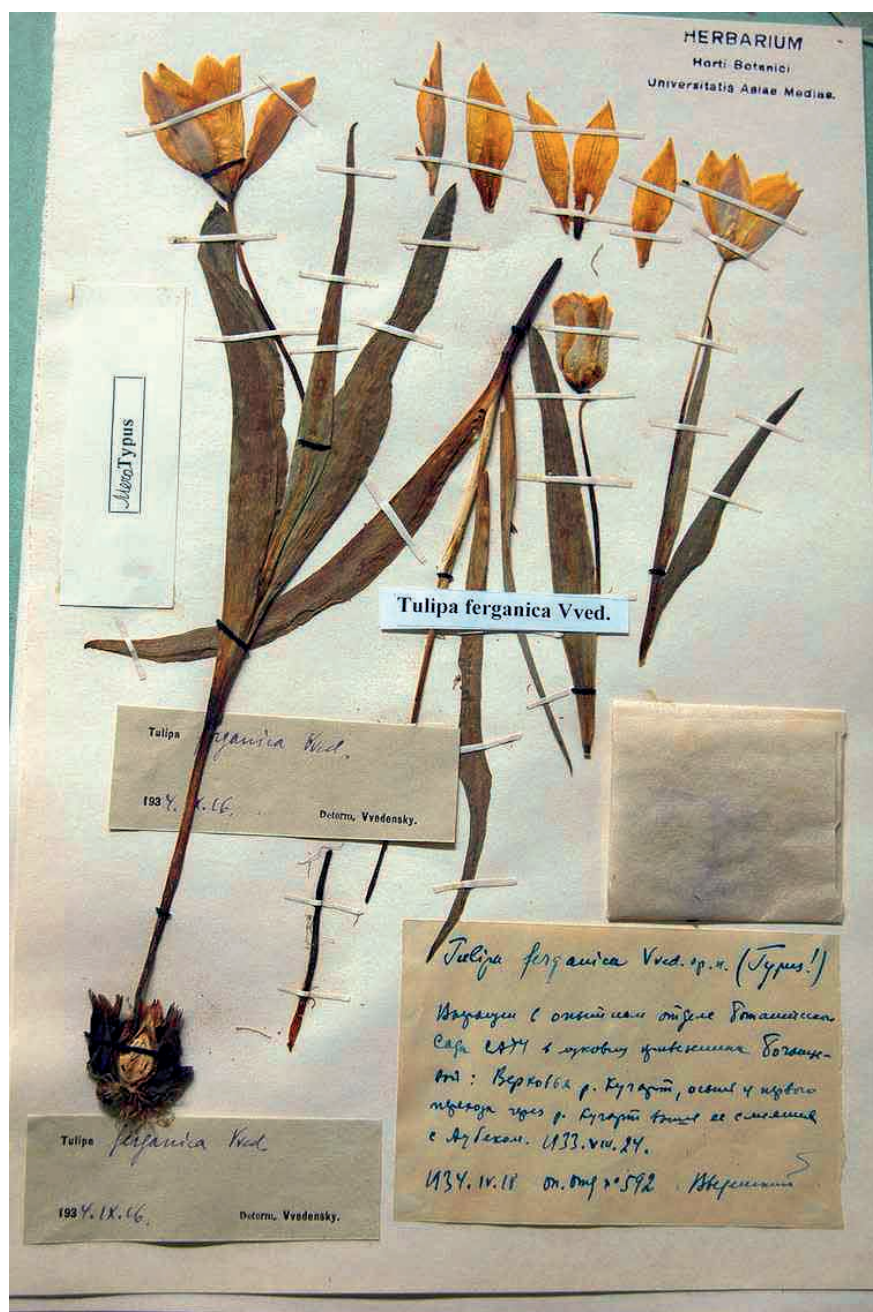


Fig. 1. Type specimen of *T. ferganica* VVED.

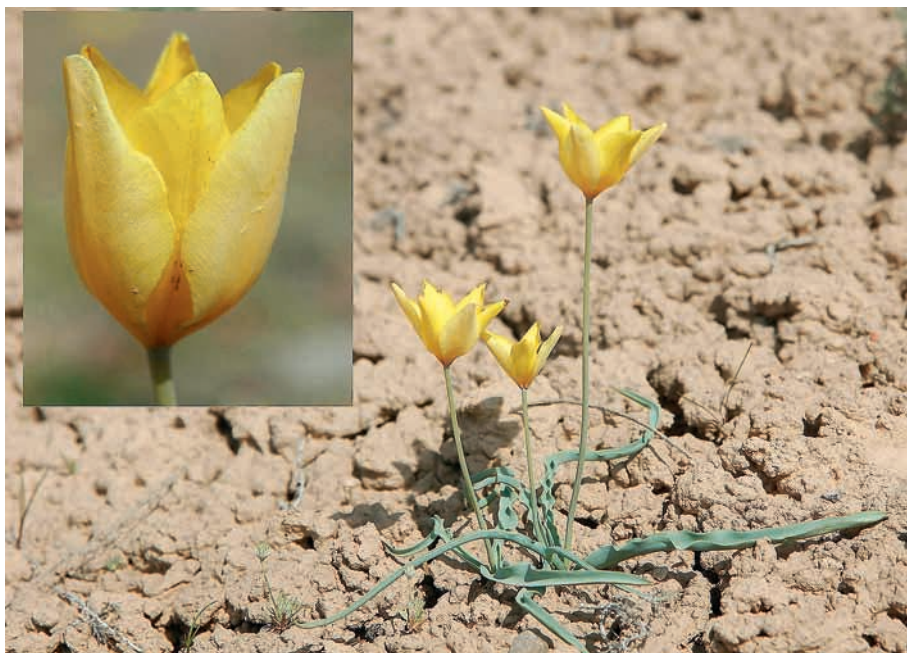


Fig. 2. Leaving plant and flower of *T. sharipovii* sp. nov.

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