

PLANT RECORDS FROM N. KHORASAN, NEW TO IRAN

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Acanthocephalus benthamianus (Compositae-Lactuceae) and *Cephalorrhizum turcomanicum* (Plumbaginaceae) collected by Dr. J. Ghorashi from N. Khorasan are recorded as new to the flora of Iran. Specimens are deposited at the Mashhad herbarium.

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گیاهانی از شمال خراسان ، جدید برای ایران
از : صادق مبین و موسی ایرانشهر
دوگونه گیاهی بنامهای :

Cephalorrhizum turcomanicum, *Acanthocephalus benthamianus*
که توسط آقای دکتر قریشی استاد دانشگاه مشهد از شمال خراسان جمع آوری شده ،
بعنوان گونه جدید برای ایران گزارش میشود . نمونه های این گونه ها در هر بارיום
مشهد نگهداری میشود .

Introduction

By invitation of Mashhad Herbarium, University of Mashhad, the authors were able to study the plant specimens in above mentioned Herbarium. The journey was undertaken on 10 — 27, June, 1983. Among the plants collected by Dr. Ghorashi, two species were found which were previously unknown to Iran.

Acanthocephalus benthamianus Regel & Schmalch. (Fig. 1)

Khorasan: Bojnurd, between Gatlish and Ghazi, 1500 m, 2.7. 1981, J. Ghorashi 1239 — G.

The genus *Acanthocephalus* Kar. & Kir. (*Compositae-Lactuceae*) is represented by two following species: *A. benthamianus* Regel & Schmalch. and *A. amplexifolius* Kar. & Kir. The latter occurs in Afghanistan and Soviet central Asia, but *A. benthamianus* has a larger distribution area including Turkmenistan, central Asia, Afghanistan and Pakistan.

This species in Flora of the USSR (Vacilczenko 1964 P. 593), Flora Turkmenii (Nikitin 1960 P. 287) and Flora Kazakhistana (Goloskokov 1966 P. 413) has been mentioned from Iran, but no Iranian specimen has been seen by Rechinger (1977 P. 297 — 298).

Cephalorrhizum turcomanicum M. Pop. (Fig. 2)

Khorasan: from Kalat towards Soviet frontier, 20.5.1981, j. Ghorashi 375 — G.

The genus *Cephalorrhizum* described by Popov & Korovin in 1923 and in Flora of the USSR (cf. Linchevskii 1952 P. 405—408 & 746) is represented by two species: *C. oopodum* M. Pop. & Korov. from Pamir-Alai and *C. turcomanicum* from Turkmenistan.

Two more species have been discovered and described by Rechinger (cf. Rechinger & Schiman-Czeika 1974 P. 18—20), both endemic in Afghanistan, namely *C. pachycormum* Rech. f. and *C. coelicolor* (Rech. f.) Rech. f.

The specimen seen by the authors matches to the description and drawing of *C. turcomanicum* of Flora of the USSR (Linchevskii l. c.).

C. turcomanicum has been mentioned from Iran by Linchevskii l. c. & 1954 P. 25 with a question mark (?) and the authors of Flora Iranica (Rech.f. & Schiman-Czeika l. c.) have not seen any specimen from Iran.

Acknowledgments

The authors wish to express their thanks to the director and staff of the Mashhad Herbarium, University of Mashhad, esp-



Fig. 1. *Acanthocephalus benthamianus*. — A. Habit. — B. Achene. — C. Capitule. — D. Floret.

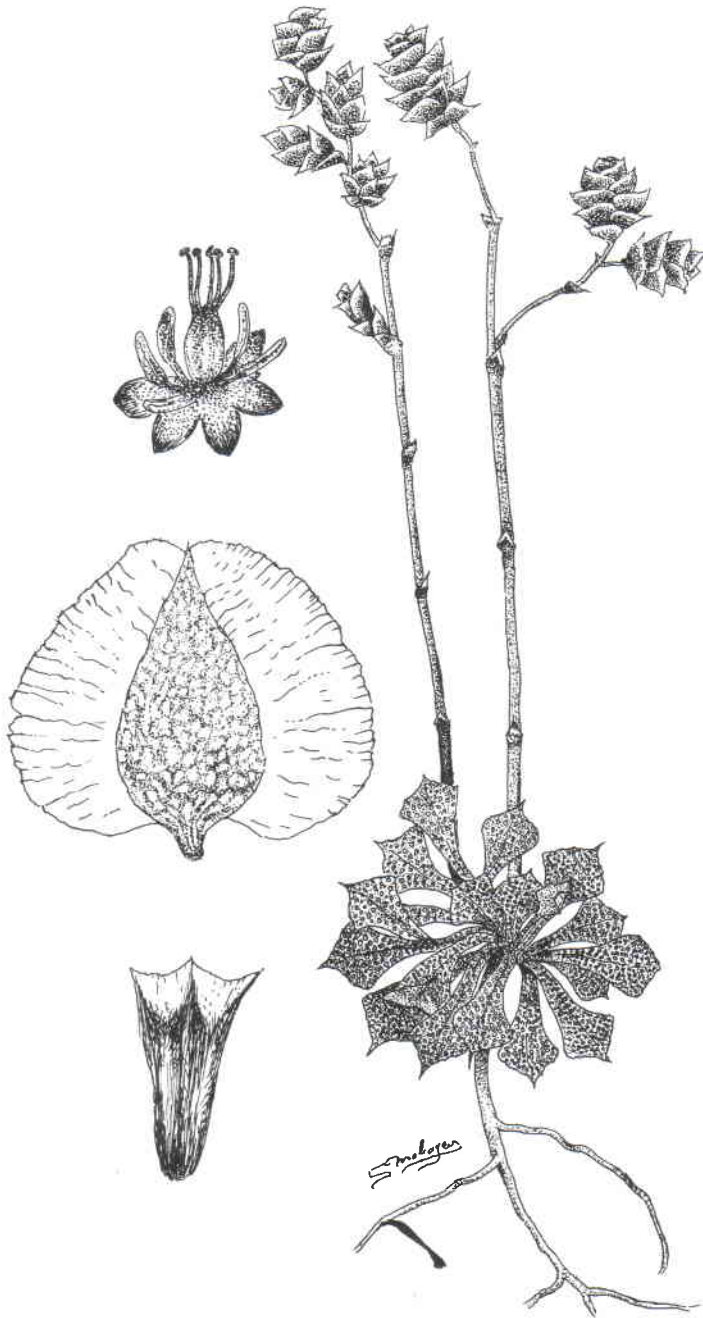


Fig. 2. *Cephalorrhizum turcomanicum*.

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References

- Goloskokov, V.P. 1966: In N. V. Pavlov (ed.) *Flora Kazakhistana* (in Russian), vol. 9. — Alma-Ata.
- Linchevskii, I. A. 1952: In B.K. Schischkin & E. G. Bobrov (eds.) *Flora of the USSR* (in Russian) Vol. 18.— Moskva & Leningrad.
- 1954: In Nikitin (ed.) *Flora Turkmenii* (in Russian) vol. 6.— Ashkabad.
- Nikitin V. V., 1960: in V. K. Schischkin & V. V. Nikitin (eds.) *Flora Turkmenii* (In Russian) Vol. 7. — Ashkabad.
- Rechinger, K. H. 1977: *Compositae - Lactuceae* in K. H. Rechinger (ed.) *Flora Iranica* no. 122. — Graz.
- & Schiman-Czeika, H. 1974: *Plumbaginaceae* in K. H. Rechinger (ed.) *Flora Iranica* no. 108. — Graz.
- Vacilczenko, I. T. 1964: In E. G. Bobrov & N. N. Tzvelov *Flora of the USSR* (in Russian) Vol. 29. — Moskva & Leningrad.