

NEW SPECIES AND NEW PLANT RECORDS FROM IRAN

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Pycnocycla bashagardiana is described as a new species from S. Iran. *Anthochlamys turcomanica*, *Anticharis glutinosa*, *Boreava orientalis*, *Dactyloctenium aegyptiacum*, *Elionorus royleanus*, *Farsetia hamiltonii*, *Peucedanum turcomanicum*, *Physalis divaricata*, *Seetzenia lanata* and *Trichodesma longipedicellatum* are reported as new records to Iran.

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گیاهان و گونه جدیدی از علم گیاهشناسی و ایران
از: ولی‌اله مظفریان

گونه گیاهی *Pycnocycla bashagardiana* بعنوان گونه جدیدی از جنوب ایران نامگذاری و توضیح داده میشود، علاوه بر این گونه‌های زیر برای اولین بار از ایران گزارش داده میشوند.

Anthochlamys turcomanica, *Anticharis glutinosa*, *Boreava orientalis*, *Dactyloctenium aegyptiacum*, *Elionorus royleanus*, *Farsetia hamiltonii*, *Peucedanum turcomanicum*, *Physalis divaricata*, *Seetzenia lanata*, *Trichodesma longipedicellatum*.

Introduction

The author during several excursions to different parts of Iran and working in the herbarium of Research Institute of Forests and Rangelands has come across some new plant records and a new species for the flora of Iran. Herbarium materials collected in the excursions are preserved in TARI.

Anthochlamys turcomanica Iljin

Khorassan: Esfarayen, Shah-Jahan mountain region, Noushirvan village, 1400 m, Mozaffarian 48610.

A new record for Iran, It was previously known only from Turkmenistan of the U.S.S.R.

Anticharis glutinosa Ascherson

Hormozgan: 42 km from Minab to Senderk (ER1), 160 m, Mozaffarian et al. 39155; Bashagard, 11 km from Senderk to Darphan, after Arangeh (EQ1), 450 m. Mozaffarian et al. 39230 (det. Maassoumi).

The genus is new to the flora of Iran.

Boreava orientalis Jaub. & Spach

Khorassan: Esfarayen, N. slope of Shah-Jahan mountain, 1700–2500 m, Mozaffarian 48463 (det. Assadi).

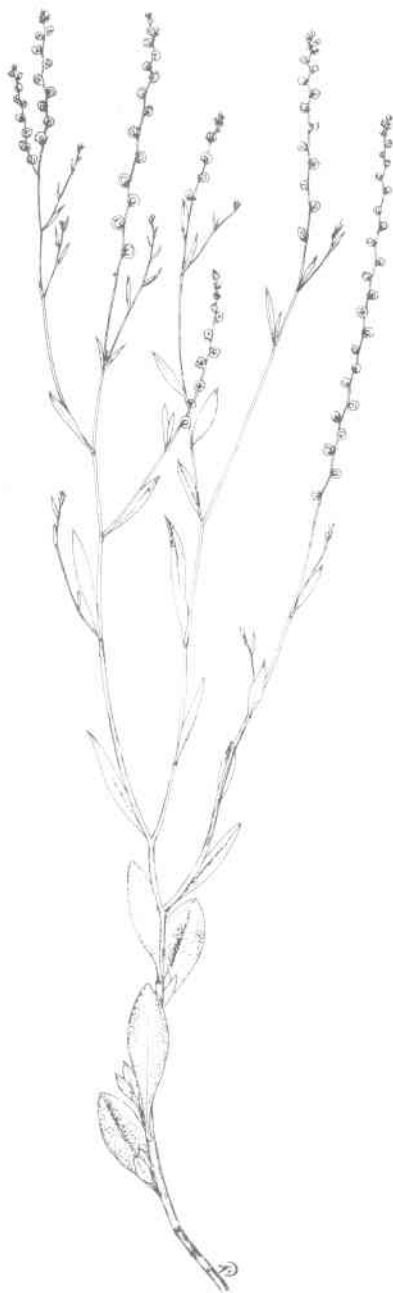


Fig.1. *Anthochlamys turcomanica* (x 0.5).

The genus is new to the flora of Iran. Distributed in Turkey, Syria and Pakistan.

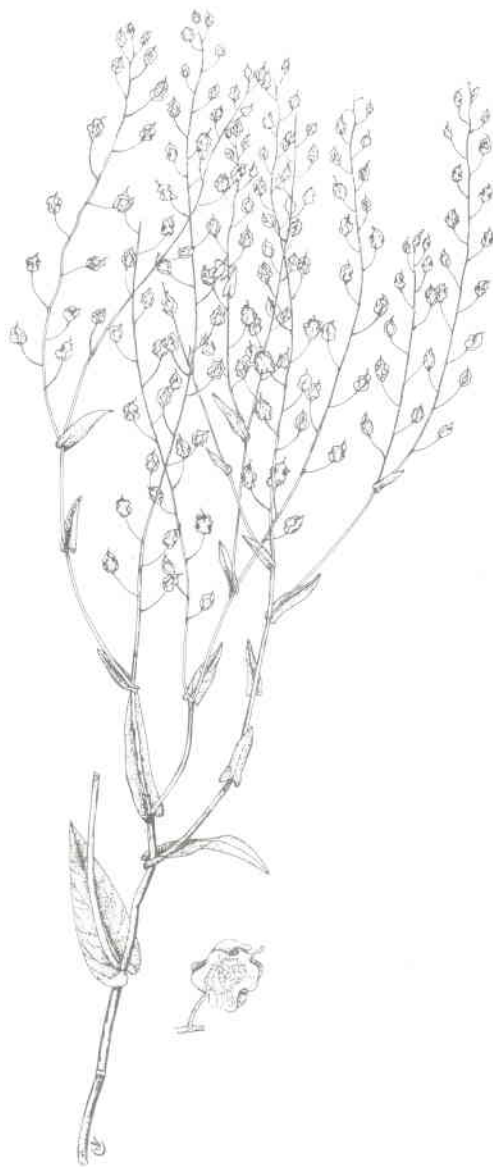


Fig. 2. *Boreava orientalis* (x 0.44; fruit x 1.4).

Dactyloctenium aegyptiacum (L.) P. Beauv.

Baluchestan: Chahbahar, 0–15 m, a weed in a garden, Mozaffarian 39907; Pishin, Mozaffarian s.n. — Hormozgan: Bandar-Abbas, ca. 20 m, Mozaffarian 44668; Siri Island, sea level, Assadi & Mozaffarian.

Not included in K. H. Rechinger *Flora Iranica* (cf. Bor 1970 p. 439). It is widely distributed in the tropics and sub-tropics of the old world, penetrating into the Mediterranean region and introduced to the American continent.

Elionorus royleanus Nees ex A. Richard

Hormozgan: 80 km from Bandar-Abbas to Minab, Gurband village (ER2), 50 m, Mozaffarian & al. 43977; 50 km from Minab to Jask, Ziarat region (EQ1), 0–100 m; Mozaffarian & al. 44045; 42 km from Minab to Senderk (ER1), 160 m, Mozaffarian & al. 39152 (det. Kaffash).

The genus is new to the flora of Iran. According to the Rechinger *Flora Iranica* (Bor. 1970 p. 526) general distribution of the species is Pakistan, NW. India, N., W. and tropical Africa and Arabia.

***Farsetia hamiltonii* Royle**

Baluchestan: 80 km from Chahbahar to Jask, Kahir (GP4), 80 m, Mozaffarian 43791; ca. 5 km from Negour to Beris, Mozaffarian 52807.

Not previously recorded from Iran. A small shrub which is distributed in desertic areas of India and Pakistan.

***Peucedanum turcomanicum* Schischk.**

Khorassan: Esfarayen, Shah-Jahan mountain region, Tourkan mountain near Noushirvan village, 1400–2500 m, Mozaffarian 48601.

This species which is from the section *juncea* Boiss. is a new record for Iran. The closest locality to the Iranian gathering is in Turkmenistan of the U.S.S.R., where the species was originally described from.

***Physalis divaricata* D. Don**

Fars: Shiraz, Bajgah, ca. 1600 m, Dastgheib 47147.

This species was not recorded by Schönbeck-Temesy (1972) from Iran. Its distribution extends through Afghanistan and Pakistan to India.

***Pycnocycla bashagardiana* Mozaffarian, sp. nov.**

Description. Frutex, 70–150 cm altus,

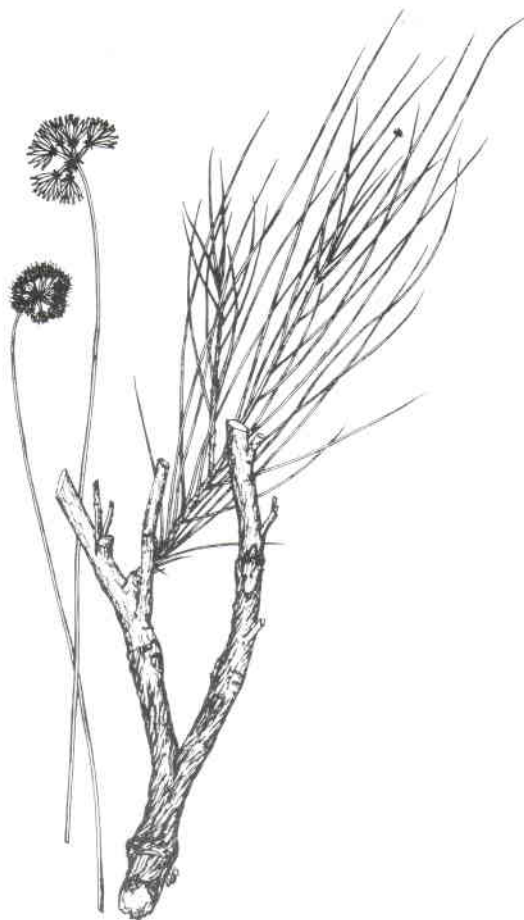


Fig.3. *Pycnocycla bashagardiana* (x 0.5). glaucus. Rami hornotini et annotini puberulenti, vetustiores usque 10 mm crassi cortice griseo-fisso. Folia usque 12 cm longa, simplicia, acicularia, striata, ad bases lata facta et decurrento-amplexicaulia. Pedunculis 10–25 cm longi. Umbella terminalis, capitata, multiradiata, breviter pubescens. Involucra 2–4 mm longa, triangularo-subulata, a radiis breviora. Involucella 1–2 mm longa,

triangularia. Pedicelli in statu fructificantis crassi, ca. 7 mm longi, pubescentes. Sepala \pm aequalia, usque 1 mm longa. Petala conspicue bilobata, alba partim roseo-suffusa vel rosea, breviter pubescentia. Mericarpium oblongo-cylindricum, breviter pubescens. Stylus 4–5 mm longus.

Typus. Hormozgan: Bashagard, 42 km from Senderk to Anguhran, between Darphan and Davari (EQ3, 4), 750 m, 3.5.1982, Mozaffarian, Banihashemi & Shahinzadeh 39294 (holotypus TARI); Bashagard, 17 km from Jakdan to Senderk (EQ4), 800 m, Mozaffarian & al. 39414; 35 km from Senderk to Araghin, Ziaraton village (EQ3), 1000 m, Mozaffarian 44479; Bashagard, 60 km from Senderk to Anguhran, between Davari and Jakdan (EQ3), 500–900 m, Mozaffarian 44276; Bashagard, Anguhran, 900–1150 m, gypsum soil, Mozaffarian 44337; 50 km from Minab to Jask, Ziarat region (EQ1), 20 m, Mozaffarian 44046. — Baluchestan: Iranshahr, Sarbaz, 1100 m, Mozaffarian 53348.

Shrub, 70–150 cm high, glaucous. Branches of this year's and last year's growth minutely pubescent, the older ones up to 10 mm thick with grey fissured bark. Leaves up to 12 cm long, simple, acicular, striate, broadened and decurrent-amplexicaule at base. Peduncels 10–25 cm long. Umbel terminal, capitate, many-

rayed shortly pubescent. Involucre 2–4 mm long, triangular-subulate, shorter than rays. Involucel 1–2 mm long, triangular. Pedicels in fruiting stage thick, ca. 7 mm long, pubescent. Sepals \pm equal, up to 1 mm long. Petals conspicuously bilobed, white partly tinged-rose or rose coloured, shortly pubescent. Mericarp oblong-cylindric, shortly pubescent. Style 4–5 mm long.

Diagnose. The new species differs from its close affinities *P. aucherana* (Dcne. ex) Boiss. and *P. musiformis* Hedge & Lamond in having simple leaves and shrubby habit. In the two mentioned species leaves are palmate and the habit of plants are subshrubby. Moreover long hirsute fruits in *P. aucherana* and leafless flowering stems in *P. musiformis* are more differences with the new species with shortly pubescent fruit and leafy flowering stems.

Seetzenia lanata (Willd.) Bullock

Baluchestan: between Iranshahr and Bampour, Dasht-e Sardegal (KL4), 550 m, Mozaffarian 43006.

The genus is new to the flora of Iran. Distribution of the species extends from India through Afghanistan, Pakistan, Iran and Arabia to Africa.

Trichodesma longipedicellatum Rech. f.
& H. Riedl

Hormozgan: Bashagard, N. of the village Anguhran, 900–1150 m, Mozaffarian 44637; Bashagard, 105 km from Senderk to Anguhran, between Jakdan and Sardasht, 680–1000 m, Mozaffarian 44404; ca. 50 km NE. of Senderk, Arahkin (EQ3), 1100–1600 m, Mozaffarian 44575; 44 km from Minab to Rudan, NE. of Sarzeh (ER2), 200–900 m, Mozaffarian, Banihashemi & Shahinzadeh 44204.

In K. H. Rechinger *Flora Iranica* (cf. H.

Riedl 1967 p. 222) only known from the type locality in Pakistan and therefore a new record for the flora of Iran.

References

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