

E. BEHBOUDI AND HIS BOTANICAL EXPEDITIONS IN IRAN
(Dedicated in memory of late E. Behboudi)

M. Iranshahr & F. Matin

Iranshahr, M. & Matin, F. 1985 12 31 E. Behboudi and his botanical expeditions in Iran. — *Iran. Journ. Bot.* 3(1): 1–8 , Tehran.

A short biography of late E. Behboudi and a list of plant taxa which their types have been collected by him are given. An itinerary of his two main journeys to the mountainous regions of N. Fars and coastal deserty area,, Biaban,, of Persian Gulf and Oman sea are explained. Itineraries are shown in two maps and finally a gazetteer of place names are presented.

Mousa Iranshahr and Farideh Matin, the Herbarium of Plant Pests and Diseases Research Institute, P. O. Box 3178, Tehran, Iran.

سفرهای گیاهشناسی بهبودی در ایران

از: موسی ایرانشهر و فریده متین

در این مقاله زندگینامه مختصر مرحوم بهبودی، فهرست گیاهانی که تا پ آنها توسط او جمع آوری شده و خط مسیر مسافرت های او به نواحی کوهستانی شمال استان فارس و سواحل خلیج فارس و دریای عمان ارائه میگردد. علاوه بر این دو نقشه که مسیر تقریبی مسافرت ایشان را نشان میدهد و همچنین فهرست نام های نقاطی که در متن با آنها اشاره شده داده شده است.

Introduction

Late E. Behboudi was one of the staff members of the Ministry of Agriculture and a collaborator in the Herbarium of Plant Pests and Diseases Research Institute (EVIN) from 1945 to 1965. He made some botanical expeditions to different parts of Iran which are partly explained in the present article. His plant collections are kept in the herbarium of EVIN, many duplicates in Naturhistorisches Museum (Wien).

Biography

Eynollah Behboudi was born in Tehran on September 23, 1914 (Mehr 1, 1293 of Iranian calendar). He was educated in Tehran, and after achieving the secondary school education, he entered the Karaj Agricultural college in 1932, where he was a laborious disciple of professor E. Gauba. After three years of study in Karaj, he continued his collaboration with Dr. E. Gauba and Dr. E. Esfandiari and was appointed as the Director of the Botanical Garden of the college. He left the Karaj Agricultural college in 1945 and spent the rest of his life in the service of Ministry of Agriculture. He was in collaboration with Dr. E. Esfandiari, one of the founders of "Herbarium Ministerii Iranici Agriculturae (EVIN)". He died on March 7, 1975 (Esfand 17,



EYNOLLAH BEHBOUDI (1914–1975).
1353 of Iranian calendar).

Publication

- Principal publications of Behboudi are :
1. Weeds and Weed control. — Ministry of Agriculture, Department of Plant Protection, publication no. 2, 227 pp. (in Farsi) 1961. — Tehran.
 2. Instructions for collectors of plants. — Plant Pests and Diseases Research Institute, Department of Botany, publication no. 2 (in Farsi) 1970. — Tehran.

Type collections

The type specimens collected by Behboudi are listed as follows:
Acantholimon gadukense Mobayen

- Behboudi, 6370 — E.
Alchemilla melancholica Fröhner
 Behboudi, 5714 — E.
Amaranthus blitoides S. Watson var.
halophilus Aell.
 Behboudi & Aellen, 2067.
Anthemis behboudiana Rech. f. &
 Esfandiari
 Behboudi, 166.
Astragalus (Macrothrix) behboudii Sirj.
 & Rech. f.
 Behboudi, 135 — E.
Astragalus (Macrothrix) behboudii Sirj.
 & Rech. f. var. *longomucronulatus* Sirj.
 & Rech. f.
 Behboudi, 155 — E.
Astragalus (Macrothrix) behboudii Sirj.
 & Rech. f. var. *longipedunculatus* Sirj.
 & Rech. f.
 Behboudi.
Astragalus (Myobroma) hormozabadensis
 Sirj. & Rech. f.
 Behboudi, 89.
Astragalus (Alopecias) kurrindicus Boiss.
 var. *behboudii* Sirj. & Rech. f.
 Behboudi.
Cousinia behboudiana Rech. f. &
 Esfandiari
 Behboudi, 169 — E.
Dianthus fallax Rech. f. & Esfandiari
 Behboudi.
Malcolmia behboudiana Rech. f. &
 Esfandiari
 Behboudi, 109.
Onobrychis sirinae Nab. var. *behboudii*

- Sirj. & Rech. f.
 Behboudi, 76.
Silene behboudiana Rech. f. & Esfandiari
 Behboudi.
Symrniopsis behboudiana Rech. f. &
 Esfandiari
 Behboudi.
Thymus kotschyanus Boiss. & Hohen.
 var. *behboudianus* Rech. f.
 Behboudi & Aellen.
Trichodesma aellenii H. Riedl
 Behboudi & Aellen.
Viola behboudiana Rech. f. & Esfandiari
 Behboudi.

Expeditions

Localities which are listed here have been taken from K. H. Rechinger Flora Iranica (1963–1982) and publications of Evin herbarium (cf. E. Esfandiari 1967, 1976 and 1977; F. Matine 1975, 1978; M. Moussavi 1977, 1979; P. Partovi-Tabar 1975) as well as from herbarium specimens. The place names have been checked with Razm-Ara's Farhang-e Joghrafiya-i Iran (1951 & 1953).

1948

In 1948, E. Behboudi together with P. Aellen made three plant collecting expeditions to Kuh-e Nizwa in Central Alborz (July 20 to August 1), Damawand (August 11–23) and around Urmia lake

in Azerbaijan (October 3–22).

The itineraries of these expeditions were published by P. Aellen (1950). He has also collected plants from Kermanshah (now Bakhtaran) and Ilam, and few specimens from Kerman, Bandar-Abbas, Hormoz and Larak Islands in Persian Gulf.

FEBRUARY 21–MAY 10, 1949

Behboudi collected the plants of Biaban (a coastal region of Oman Sea between

Bandar-Abbas and Jask) from February 21 to May 10. The collecting localities are as follows:

Balmedi (February 21).

Jask (February 25–26).

Bahmedi; Bonji; Karkoshti; Kardar (February 27).

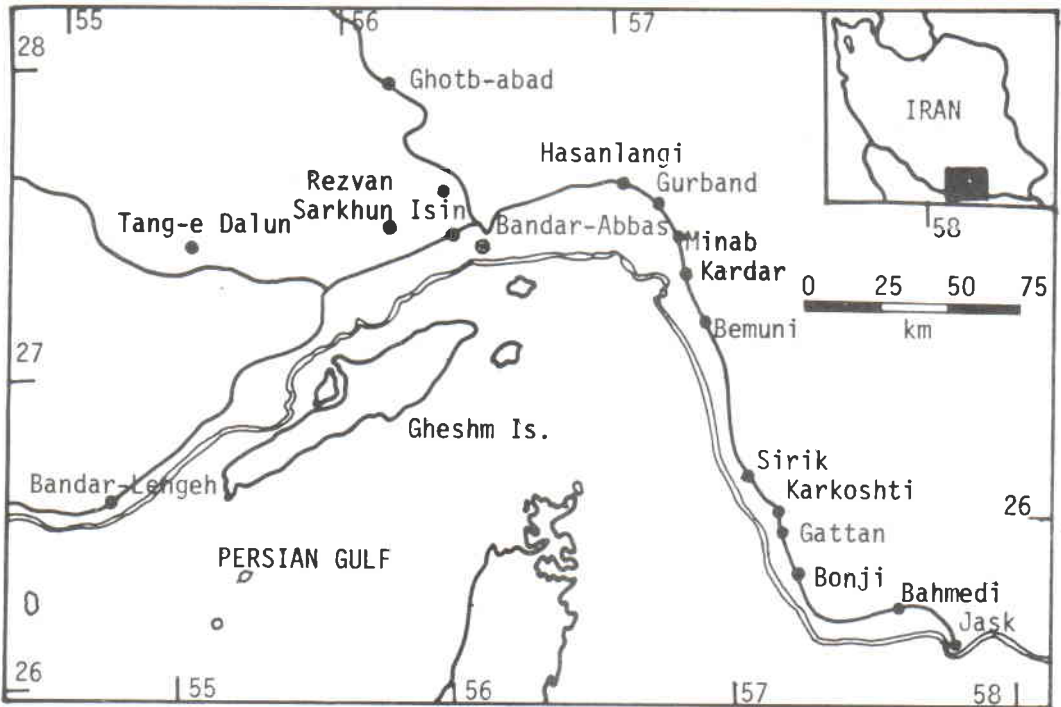
Jask (February 29).

Between Sirik and Gerrow (March 1).

Bonji (March 3).

Between Bonji and Gattan (March 4).

Sirik; between Karkoshti and Kardar (March 6).



Map 1. Itinerary of the E. Behboudi journey to the coastal desertic area (Biaban) of the Persian Gulf and Oman sea.

Between Kardar and Sirik (March 7).
Gerrow; between Sirik and Gerrow
(March 9).

Between Gerrow and Bemuni (March
10).

Bemuni (March 11).

Minab (March 15–20).

Between Minab and Bandar-Abbas (April
2).

Between Minab and Gurband (April 5).

Between Gurband and Hasanlangi;

between Hasanlangi and Tuj (April 6–7).

Between Bandar-Abbas and Sarkhun
(April 18).

Isin (April 19).

Island of Gheshm (April 21).

Bandar-Abbas; Rezvan (April 22).

Bandar-Abbas (April 23–24).

Between Bandar-Abbas and Tang-e Dalun
(April 25).

Bandar-Abbas (May 5–10).

JULY 4–AUGUST 6, 1949

Behboudi together with H. Mirzayans
(Entomologist) collected the plants of
mountainous region of N. Fars, from
July 4 to August 6, 1949. His collecting
localities are as follows:

Abadeh (July 4).

Kowlikosh; Sivand; between Abadeh and
Dehbid; between Dehbid and Khun-
Khoreh (July 5).

Perspolis; between Sivand and Perspolis;

Ab-e Barik (July 6).

Khalil-abad; Khorameh (Neyris July 8).
Neyris (July 8–10).

Seydun (July 12).

Jahrom (July 16).

Ardakan; Komehr; Cheshmeh-Baraghun;

Kuh-e Kalivar; between Ardakan and

Kakan (July 22).

Kakan; Kuh-e Kalivar; between Tol-e
Khosrow and Komehr (July 23).

Tang-e Seriz; Kuh-e Chaleh-Kalagh (July
24).

Kakan; Kuh-e Kalivar (July 25).

Tol-e Khosrow; Kuh-e Chaleh-Kalagh
(July 27).

Balazar; Tol-e Zal; between Tol-e
Khosrow and Sisakht (July 28).

Tang-e Seriz (July 29).

Gardaneh-ye Bizhan; Sichani; between

Gardaneh-ye Bizhan and Sisakht; between
Kuh-e Dena and Sisakht (July 31).

Sichani (August 1).

Between Kuh-e Dena and Sisakht; Yasuj
(August 2).

Tang-e Seriz; between Kuh-e Dena and

Tol-e Khosrow; Yasuj; between Shiraz
and Tol-e Khosrow; between Sisakht

and Tol-e Khosrow (August 3).

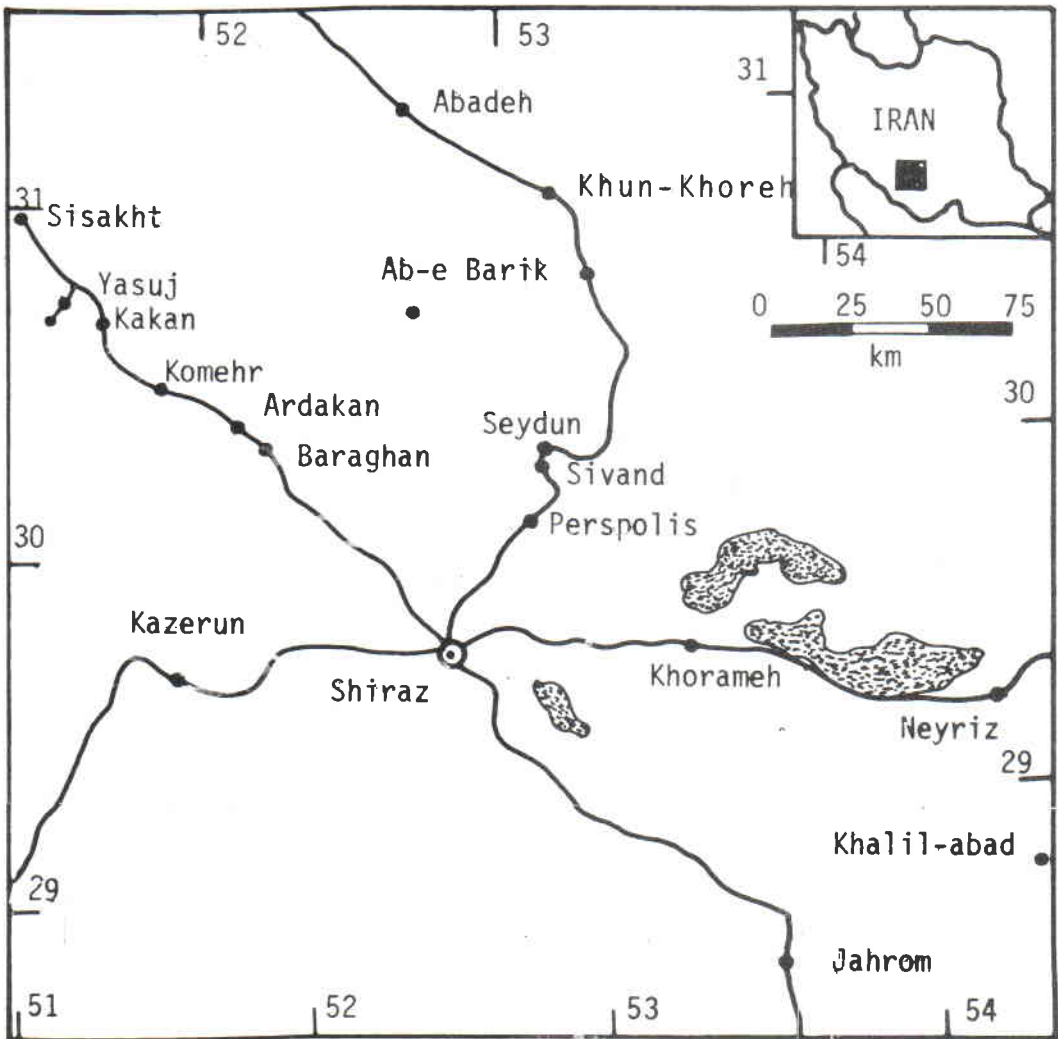
Komehr, Tang-e Bast (August 6).

Alphabetical list of localities

Abadeh: 280 km N of Shiraz, 52° 40' E;
31° 11' N; 2011 m alt.

Ab-e Barik: 80 km S of Abadeh.

Ardekan: 102 km NW of Shiraz, 52° 58'



Map 2. Itinerary of the E. Behboudi journey to the N. Fars region.

E; $30^{\circ} 21' N$.

Bahmedi: Between Jask and Kuh-e Mobarak.

Bahmadi = Bahmedi:

Balazar: A small village between Yasuj and Sisakht.

Bandar-Abbas: Centre of Hormozgan

Province, $56^{\circ} 18' 22'' E$; $27^{\circ} 11' 45'' N$.

Baraghan: 6 km SE of Ardekan.

Bemuni: 48 km S of Minab.

Bemouni = Bemuni.

Bonji: 75 km NW of Jask.

Bondji = Bonji.

Bunji = Bonji.

- Deh-bid: 180 km NE of Shiraz.
 Gardaneh-ye Bijan: NE of Sisacht.
 Gattan: 20 km N of Bonji .
 Ghattan = Gattan.
 Gerrow: Probably a mistranscription of Gahardu which is a small village near Minab.
 Gerow = Gerrow.
 Guerau = Gerrow.
 Guero = Gerrow.
 Gheshm: The biggest Island of Persian Gulf in the strait of Hormoz.
 Gurband: 24 km N of Minab.
 Hasanlangi: 72 km NE of Bandar-Abbas.
 Hasan-Langi = Hasanlangi.
 Hassanlangui = Hasanlangi.
 Isin: 42 km N of Bandar-Abbas.
 Jahrom: 200 km SE of Shiraz, $53^{\circ} 34' E$; $28^{\circ} 33' N$; 1120 m alt.
 Jask: 300 km SE of Bandar-Abbas.
 Kakan: 130 km NW of Shiraz.
 Kakun = Kakan.
 Kardar: 85 km S of Minab.
 Karkoshti: 180 km S of Minab.
 Kargushki = Karkoshti.
 Khalil-Abad: 30 km S of Darab.
 Khorameh: A village of about 76 km E of Shiraz.
 Khun-Khoreh: 66 km SE of Abadeh.
 Khane-Khore = Khun-Khoreh.
 Komehr: 26 km NW of Ardekan.
 Kuh-e Chaleh-Kalagh: A mountain in N of Kakan.
 Kuh-e Dena: The highest mountain of Fars (alt. 4275m) near Yasuj.
 Kuh-e Kalivar: A mountain near Kakan.
 Minab: 98 km E of Bandar-Abbas, $55^{\circ} 04' 56'' E$; $40^{\circ} 7' 27'' N$; 175 m alt.
 Neyriz: 228 km E of Shiraz, $54^{\circ} 20' E$; $29^{\circ} 12' N$; 1587 m alt.
 Perspolis: 50 km NE of Shiraz.
 Rezvan: A small village at 74 km N of Bandar-Abbas.
 Sarḵhun: A small village about 36 km NE of Bandar-Abbas.
 Sarkhoun = Sarkhun.
 Seydun: 6 km N of Sivand.
 Seydoun = Seydun.
 Shiraz: Centre of Ostan-e Fars:, $52^{\circ} 32' E$; $29^{\circ} 36' N$; 1600 m alt.
 Sichani: N of Sisakht.
 Sirik: 84 km S of Minab.
 Sisakht: 170 km NW of Shiraz.
 Sivand: 70 km NE of Shiraz.
 Tal-e Khosrovi = Tol-e Khosrow.
 Tang-e Bast: Near Yasuj (?)
 Tang-e Dalun: A small village between Bastak and Bandar-Abbas.
 Tang-e Seriz: Between Yasuj and Sisakht.
 Tang-e Zali = Tol-e Zal.
 Tol-e Khosrow: 8 km SW of Yasuj.
 Tol-e Zal: near Yasuj.
 Tol-e Zari: 45 km N of Ardekan.
 Tuj: A small farm in the W of Minab.
 Toudj = Tuj.
 Tudj = Tuj.
 Yasuj: 140 km NW of Shiraz, centre of Kohkiluyeh-Boirahmad province.

Acknowledgments

We would like to thank Mr. Mirzayans for his advice and help in revising and completing the itinerary of N. Fars expedition. We thank also Dr. E. Esfandiari, and Dr. Mandana Behboudi for their advices on the biography and works of late Behboudi.

References

- Aellen, P. 1950: *Ergebnisse einer botanisch-zoologischen Sammelreise durch den Iran.* — *Vern. Nat. Gez.* Basel, vol. 61: 128—140.
- Esfandiari, E. 1967: une première liste des plantes de l'Herbier du Ministère de l'Agriculture de l'Iran. — Tehran.
- Esfandiari, E. 1976: Liste des plantes de l'Herbier d'Evine, Cruciferae. — Tehran.
- Esfandiari, E. 1977: Liste des plantes de l'Herbier d'Evine, Boraginaceae. — Tehran.
- Matine, F. 1975: Liste des plantes de l'Herbier d'Evine, Alliaceae et Amaryllidaceae. — Tehran.
- Matine, F. 1978: Liste des plantes de l'Herbier d'Evine, Iridaceae.— Tehran.
- Moussavi, M. 1977: Contribution to the knowledge of *Medicago* species of Iran. — Tehran.
- Moussavi, M. 1979: List of plants of Evin Herbarium, Leguminosae (*Trifolium*). — Tehran.
- Partovi-Tabar, P. 1975: Liste des plantes de l'Herbier d'Evine, Pteridophyta. — Tehran.
- Razm-ara, H. 1951: *Farhang-e Joghrafia-i Iran, Ostan-e Fars* vol. 7 (in Farsi). — Tehran.
- Razm-ara, H. 1953: *Farhang-e Joghrafia-i Iran, Ostan-e Kerman va Mokran* vol. 8 (in Farsi). — Tehran.
- Rechinger, K. H. 1963—1982: *Flora Iranica*, nos. 1 — 156. — Graz.