

**Zeitschrift:** Candollea : journal international de botanique systématique = international journal of systematic botany  
**Herausgeber:** Conservatoire et Jardin botaniques de la Ville de Genève  
**Band:** 47 (1992)  
**Heft:** 2

**Artikel:** Studies in the Flora of Yemen : 2. New records for the Flora of Aden  
**Autor:** Gifri, A.N.  
**DOI:** <https://doi.org/10.5169/seals-879591>

### **Nutzungsbedingungen**

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. [Siehe Rechtliche Hinweise.](#)

### **Conditions d'utilisation**

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. [Voir Informations légales.](#)

### **Terms of use**

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. [See Legal notice.](#)

**Download PDF:** 02.02.2025

**ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>**

## Studies in the Flora of Yemen. 2. New records for the Flora of Aden

A. N. GIFRI

### RÉSUMÉ

GIFRI, A. N. (1992). Etude sur la flore du Yémen. 2. Nouvelles données pour la flore d'Aden. *Candollea* 47: 613-619. En anglais, résumés français et anglais.

Soixante-deux espèces de vingt-six familles végétales sont signalées pour la première fois pour la flore d'Aden.

### ABSTRACT

GIFRI, A. N. (1992). Studies in the Flora of Yemen. 2. New records for the Flora of Aden. *Candollea* 47: 613-619. In English, French and English abstracts.

Sixty two species belonging to 26 plant families are recorded for the first time for the Flora of Aden.

For the study of the "Flora of Aden" the author, in some cases in the company of others, collected 1200 specimens from Aden. Among these specimens 62 species belonging to 26 families are not mentioned in BLATTER's "Flora of Aden" (1914-16), and thus are new for the Flora of Aden. Those collected with Prof. L. BOULOS are mentioned in his article: "A contribution to the Flora of South Yemen" (1988).

The herbarium materials are housed mainly at KTU and the Herbarium of University of Aden and duplicates can be found at B, KARM and KOR.

The species are arranged according to family in alphabetical order.

### AIZOACEAE

**Sesuvium verrucosum** Raf. (det. L. Boulos, August 1989, Kew).

*Locality.* — Found in saline soil in Khormaksar (1030, coll. on 12.11.1988); Al-Mansoorah — Caltex roundabout (1765, coll. on 30.7.1989).

**Trianthema triquetra** Roth ex Willd. (det. L. Boulos, August 1989, Kew).

*Locality.* — Sheikh Othman, Friendship Hospital (1099, coll. on 29.11.88).

## AMARANTHACEAE

**Achyranthes aspera** L.

*Locality.* — Found as weed in Sheikh Othman (1115, coll. on 29.11.88 & 1481, coll. on 9.1.89); Bir Ahmed (1166, coll. on 30.11.1988); Darsaad, Al-Kimisri garden (1467, coll. on 4.1.89); Maalla, (1903, coll. on 14.3.90).

**Amaranthus hybridus** L. (det. L. Boulos, 1989, Kew).

*Locality.* — Khormaksar, Tarik camp (1380, coll. on 2.1.89).

**Amaranthus spinosus** L.

*Locality.* — Found as weed in Bir Ahmed (1143, coll. on 30.11.88).

**Digera muricata** (L.) Mart.

*Locality.* — Found as weed in Bir Ahmed (1142, coll. on 30.11.88 & 1232, coll. on 9.12.88); Maalla (1898, coll. on 14.3.90).

## ASCLEPIADACEAE

**Leptadenia arborea** (Forssk.) Schweinf.

*Locality.* — Caltex — Abo Harba (Boulos, Gifri & al. 16571, coll. in June 1987); Khormaksar (1371, coll. on 2.1.89), College of Education (1007, coll. on 10.11.88); Gold mhure (1176, coll. on 2.12.1988); Aden, cemetery (1333, coll. on 29.12.88); Al-Mansoorah (1340, coll. on 31.12.88); Darsaad (1397, coll. on 4.1.89); Sheikh Othman (1490, coll. on 9.1.89).

**Leptadenia pyrotechnica** (Forssk.) Decne.

*Locality.* — Fukum, found on the sand (1811, coll. on 20.8.89).

**Sarcostemma viminalis** (L.) R. Br.

*Locality.* — Shamsan range (1793, coll. on 18.8.89 & 2015, coll. on 28.3.90).

## ASTERACEAE

**Launaea procumbens** (Roxb.) Ramayya & Rajagopal (det. L. Boulos, August 1989, Kew).

*Locality.* — Found as weed in Bir Ahmed (1158, coll. on 30.11.88).

**Vernonia cinerea** (L.) Less. (det. L. Boulos, August 1989, Kew).

*Locality.* — Found as weed in Sheikh Othman, garden of Friendship Hospital (1109, coll. on 29.11.88); Bir Ahmed (1159, coll. on 30.11.88).

## BORAGINACEAE

**Heliotropium azzanum** O. Schwartz

*Locality.* — Shamsan range west of the Tower of Silence (Boulos, Gifri & Awad 16538, coll. in June 87).

**Heliotropium europaeum** L.

*Locality.* — Found as weed in Bir Ahmed (1228, coll. on 9.12.88).

**Heliotropium lasiocarpum** Fisch. & Mey.

*Locality.* — Bir Ahmed (*Boulos, Gifri & al. 16599*, coll. in June 87).

## CAPPARACEAE

**Capparis spinosa** L.

*Locality.* — Found as weed in Bir Ahmed (*Boulos, Gifri & al. 16598*, coll. in June 87; *1160*, coll. on 30.11.88 & *1235*, coll. on 9.12.88).

## COMBRETACEAE

**Conocarpus lancifolius** Engl. ex Engl. & Diels

*Locality.* — Khormaksar, College of Education (*Boulos & Gifri 16491*, coll. in June 87), in the town (*1024*, coll. on 11.11.88 & *1094*, coll. on 19.11.88), Tarik camp (*1383*, coll. on 2.1.89); Darsaad (*1450*, coll. on 4.1.89); Al-Mansoorah (*1763*, coll. on 30.7.89).

## CONVOLVULACEAE

**Convolvulus** cf. **rhyinospermus** Hochst. ex Choisy (det. A. G. Miller, Sept. 1990, Berlin).

*Locality.* — Shamsan (*2008*, coll. on 28.3.90).

**Cressa cretica** L.

*Locality.* — Khormaksar (*Boulos & Gifri 16498*, coll. in June 87), (*1008*, coll. on 10.11.88 & *1086*, coll. on 19.11.88); Al-Mansoorah (*1349*, coll. on 31.12.88); Malla (*1362*, coll. on 31.12.88); Darsaad (*1421*, coll. on 4.1.89).

**Merremia dissecta** (Jacq.) Hall

*Locality.* — Khormaksar (*1021*, coll. on 11.11.88), Tarik camp (*1373*, coll. on 2.1.89).

## CUCURBITACEAE

**Momordica balsamina** L.

*Locality.* — Khormaksar, Airport (*1045*, coll. on 13.11.88); Bir Ahmed (*1150*, coll. on 30.11.88); Darsaad (*1456*, coll. on 4.1.89).

## CYPERACEAE

**Cyperus laevigatus** L.

*Locality.* — Grows in the sea marshes (Sabakha) at Al-Mansoorah — Caltex roundabout (*1051*, coll. on 13.11.88).

**Cyperus rotundus** L.

*Locality.* — Khormaksar, College of Education (*Boulos & Gifri 16499*, coll. in June 87), in the town (*1031*, coll. on 13.11.88); Sheikh Othman (*1113*, coll. on 29.11.88); Bir Ahmed (*1157*, coll. on 30.11.88); Maalla (*1905*, coll. on 14.3.90). Found as weed.

## EUPHORBIACEAE

**Euphorbia tirucalli** L. (det. A. R. Smith & L. Boulos, 1989, Kew).

*Locality.* — Sheikh Othman (*1429*, coll. on 4.1.89).

**Securinega virosa** (Roxb. ex Willd.) Pax & Hoffm.

*Locality.* — Slope of Shamsan towards Maalla (1941, coll. on 15.3.90).

#### LAMINACEAE

**Ocimum basilicum** L.

*Locality.* — Aden, the cemetery (1315, coll. on 29.12.88); Al-Mansoorah (1347, coll. on 31.12.88).

**Ocimum tenuiflorum** L.

*Locality.* — Tawahi (1192, coll. on 2.12.88).

#### LILIACEAE

**Aloe doei** Lavr.

*Locality.* — Aden, the cemetery (1307, coll. on 29.12.88); Darsaad (1430, coll. on 4.1.89).

#### MALVACEAE

**Abutilon pannosum** (Forst. f.) Schlecht.

*Locality.* — Found as weed in Khormaksar, College of Education (Boulos & Gifri 16495, coll. in June 87); Sheikh Othman (1121, coll. on 29.11.88); Darsaad (1459, coll. on 4.1.89).

**Senra incana** Cav.

*Locality.* — Found as weed in Sheikh Othman (1119, coll. on 29.11.88); Bir Ahmed (Boulos, Gifri & al. 16596, coll. in June 87), (1165, coll. on 30.11.88 & 1236, coll. on 9.12.88); Darsaad (1459, coll. on 4.1.88).

#### MORACEAE

**Ficus salicifolia** Vahl

*Locality:* Darsaad (1403, coll. on 4.1.89).

#### NYCTAGINACEAE

**Boerhavia coccinea** (Mill.) (det. A. G. Miller, Sept. 1990, Berlin).

*Locality.* Abo al Wadi (1959, coll. on 17.3.90).

**Commicarpus helenae** (Roemer & Schultes) Meikle

*Locality.* — Slopes of Shamsan towards Maalla (1934, coll. on 14.3.90).

#### POACEAE

**Arundo donax** L.

*Locality.* — Darsaad, Al-Kamisri garden (1401, coll. on 4.1.88).

**Brachiaria ovalis** Stapf (det. T. A. Cope & H. Scholz, Sept. 1990, Berlin).

*Locality.* — Ravines of Shamsan range (Boulos, Gifri & Awad 16565, coll. in June 87), (2002, coll. on 28.3.90).

**Brachiaria reptans** (L.) Gardner & Hubbard

*Locality.* — Found as weed in Khormaksar, College of Education (2025, coll. on 6.4.90).

**Chloris barbata** Sw.

*Locality.* — Found as weed in Khormaksar (1090, coll. on 19.11.88 & 1861, coll. on 11.3.90); Aden, the cemetery (1319, coll. on 29.12.88); Sheikh Othman (1476, coll. on 4.1.89).

**Dactyloctenium aristatum** Link

*Locality.* — Shamsan, ravine SW of the Tower of Silence (Boulos, Gifri & Awad 16543, coll. in June 87), (1715, coll. on 14.7.89); Little Aden, ravine at J. Muzalham (1744, coll. on 28.7.89).

**Dactyloctenium scindicum** Boiss. (det. L. Boulos in Kuwait in 1988).

*Locality.* — Shamsan, ravine (Gifri, Rowaished & Hussein 3065, coll. in Feb. 1989).

**Digitaria ciliaris** (Retz) Koeler

*Locality.* — Found as weed in Bir Ahmed (1168, coll. on 30.11.88); Sheikh Othman (1477, coll. on 4.1.89).

**Odysea mucronata** (Forssk.) Stapf

*Locality.* — Desert plain near Al-fiush (1127, coll. on 30.11.88); Bir Ahmed (Boulos, Gifri & al. 16605, coll. in June 87), (1217, coll. on 9.12.88); El-Hiswa (1243, coll. on 12.12.88); Caltex — El-Hiswa (Boulos, Gifri & al. 16574, coll. in June 87), (1766, coll. on 3.8.89); Little Aden, sea shore sand beside Refinery Club (1755, coll. on 28.7.89); Amran, sand dunes (1817, coll. on 20.8.89).

**Paspalidium desertorum** (A. Rich.) Stapf

*Locality.* — Found a weed in Khormaksar, College of Education (Boulos & Gifri 16497, coll. in June 87).

**Pennisetum divisum** (J. F. Gmelin) Henrard (det. T. A. Cope, 1989, Kew).

*Locality.* — Khormaksar, near the Directory of Education (1396, coll. on 2.1.89); El-Hiswa (1252, coll. on 9.12.88); Bir Ahmed (Boulos, Gifri & al. 16610, coll. in June 87), (1212, coll. on 9.12.88); Desert plain, near Al-fiush (1128, coll. on 30.11.88), near Masabeen (1833, coll. on 26.8.89).

## PORTULACACEAE

**Portulaca oleracea** L.

*Locality.* — Kormaksar (1085, coll. on 19.11.88); Bir Ahmed (Boulos, Gifri & al. 16591, coll. in June 87), (1161, coll. on 30.11.88); Darsaad (1425, coll. on 4.1.89), found as weed.

## RESEDACEAE

**Reseda spheocleoides** Defl. (det. L. Boulos, 1989, Kuwait).

*Locality.* — Shamsan range (Boulos, Gifri & Awad 16535, coll. in June 87) & (Gifri, Rowaished & Hussein, coll. in Feb. 89).

## RUBIACEAE

**Kohautia retrorsa** (Boiss.) Bremek. (det. A. G. Miller, 1990, Berlin).

*Locality.* — Shamsan range, ravine on the plateau (2005, coll. on 28.3.90).

## SOLANACEAE

**Datura innoxia** Mill.

*Locality.* — Found as weed in Bir Ahmed (1140, coll. on 30.11.88).

**Datura stramonium** L.

*Locality.* — Found as weed in Tawahi (Steamer point) the garden (1194, coll. on 2.12.88).

**Solanum coagulanus** Forssk.

*Locality.* — Found as weed in Khormaksar, Aden International Airport (1041, coll. on 21.11.88 & 1197, coll. on 4.12.88); Bir Ahmed (1233, coll. on 9.12.88).

**Solanum nigrum** L.

*Locality.* — Found as weed in Bir Ahmed (1136, coll. on 30.11.88); Darsad, Al-Kimisri garden (1416, coll. on 4.1.89).

**Solanum palmatorum** Dunal. (det. F. N. Hepper, Kew, 1989).

*Locality.* — Found as weed in Bir Ahmed towards Al-Waht (1153, coll. on 30.11.88).

**Withania somnifera** (L.) Dunal

*Locality.* — Found as weed on Al-Shaab farm, Bir Ahmed (1138, coll. on 30.11.88).

## TAMARICACEAE

**Tamarix aphylla** (L.) Karst.

*Locality.* — Desert plain, northern Aden towards Lahej (1125, coll. on 30.11.88); Bir Ahmed (1218, coll. on 9.12.88); El-Hiswa (1251, coll. on 12.12.88).

**Tamarix nilotica** (Ehrenb.) Bunge

*Locality.* — Khormaksar, College of Education (*Boulos & Gifri 16481*, coll. in June 87), (1009, coll. on 11.11.88); Tarik camp (1382, coll. on 2.1.89); Al-Mansoorah (*Boulos, Gifri & al. 16566*, coll. in June 87); Sheikh Othman, near Abdul Kawi camp (1102, coll. on 29.11.88); garden of Friendship Hospital (1485, coll. on 9.1.89); El-Hiswa (1238, coll. on 12.12.88); Aden, Al-Aqaba (1506, coll. on 17.1.89).

## TYPHACEAE

**Typha domingensis** Pers.

*Locality.* — Khormaksar, near Aden Hotel; Al-Naser, beside the road to Sheikh Othman (2026, coll. on 25.4.90).

## UMBELLIFERAE

**Pimpinella etbaica** Schweinf.

*Locality.* — Shamsan, ravine SW of the Tower of Silence (*Boulos, Gifri & Awad 16527*, coll. in June 87).

## VITACEAE

**Cissus rotundifolia** (Forssk.) Vahl

*Locality.* — Aden, the cemetery (*1311*, coll. on 29.12.88); Darsaad (*1427*, coll. on 4.1.89).

## ZYGOPHYLLACEAE

**Fagonia ovalifolia** Hadidi

*Locality.* — Bir Ahmed (*Boulos, Gifri & al. 16588*, coll. in June 87); Shamsan ravine SW of the Tower of Silence (*2017*, coll. on 28.3.90).

**Fagonia paulayana** Wagner & Vierh.

*Locality.* — Gold muhre Valley (*Boulos, Gifri & Saeed 16524*, coll. in June 87).

**Fagonia schweinfurthii** (Hadidi) Hadidi

*Locality.* — Bir Ahmed (*Boulos, Gifri & al. 16594*, coll. in June 87).

**Seetzenia lanata** (Willd.) Bullock

*Locality.* — Bir Ahmed (*1205*, coll. on 9.12.88).

**Tribulus omanense** H. Hosni var. **yemenense** H. Hosni (det. M. N. Hadidi, August 1989, Kew).

*Locality.* — Found as weed in Bir Ahmed (*Boulos, Gifri & al. 16585*, coll. in June 87); Sheikh Othman, garden of Friendship Hospital (*1110*, coll. on 29.11.88).

**Zygophyllum album** L. f.

*Locality.* — Caltex (*2023*, coll. on 6.4.90).

## ACKNOWLEDGEMENTS

My grateful thanks go to Prof. L. Boulos, of the University of Kuwait; Prof. M. N. Hadidi of the University of Cairo; Prof. A. R. Smith, Prof. F. N. Hepper and Dr. T. A. Cope of the Royal Botanical Gardens, Kew; Prof. H. Scholz of the Botanical Garden of Berlin-Dahlem and A. G. Miller of the Royal Botanical Garden, Edinburgh for their help with the identification of the plants.

## REFERENCES

- BLATTER, E. (1914-16). Flora of Aden. *Rec. Bot. Surv. India* 7: 1-418.  
BOULOS, L. (1988). A contribution to the Flora of South Yemen. *Candollea* 43: 549-585.



