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Article

An Annotated Checklist for the Egyptian Vascular Flora

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Abstract: No reliable evidence summarizes the current state of the floristic and taxonomic knowledge of the Egyptian flora since Boulos (2009). In this study, we critically revised and updated the checklist of native vascular plants of Egypt. The checklist comprises 2,499 native and naturalized vascular plant taxa (1,676 species and 552 infraspecific taxa) from 119 families and 796 genera including 20 ferns, 6 gymnosperms, and 2,473 angiosperms. In the angiosperms, Asteraceae, Poaceae, Fabaceae, Amaranthaceae, Caryophyllaceae and Brassicaceae show the greatest species richness (> 100 taxa). The Sinai Peninsula contains the richest flora with 1,473 taxa. Based on our critical revisions, names of 32 families, 41 genera, and 409 species have been changed in comparison to the latest checklist. In addition, 52 plant species are excluded from Flora of Egypt in this work, while one new family (Cannabaceae), 23 new genera, 189 new species, 61 new subspecies, and 41 new varieties are added. Concerning the species endemism; authors adopted 74 endemic taxa restricted only to Egypt, and 207 near- endemic taxa that co-occur in adjacent countries. This updating checklist will serve as an essential background and reference for scientists and students interested in the Egyptian flora, and also for conservation projects in Egypt.

Keywords: checklist; flora of egypt; native taxa; naturalized taxa; vascular plants

1. Introduction

Egypt is located in the northeastern corner of the African continent (between latitudes 22°-32°N, longitudes 25°-37°E) with an Asian extension in the Sinai Peninsula. It is bordered by the Mediterranean Sea to the north, the Red Sea to the east, Sudan to the south, and Libya to the west. It covers an area of about 1 million km² divided by the River Nile into a western desert and an eastern desert along with the Sinai Peninsula. The River Nile and the Red Sea are the two main corridors that link Egypt with tropical and equatorial Africa and the tropical Indian Ocean.

According to Boulos (1995, 2009), Egypt is divided into eight phytogeographical regions with various vegetation types, namely: (N) Nile region including the delta, valley and Fayum; (O) Oases of the Western Desert (Wadi el Natrun, Siwa, Farafra, Bahariya, Kharga, Dakhla, Kurkur, Dungul and Uweinat; (M) the Mediterranean coastal strip from the border with Libya near Sollum to Port Said; (De) the desert east of the Nile; (Dw) the desert west of the Nile; (R) the Red sea coastal strip; (GE) Gebel Elba and the surrounding mountainous region; (S) Sinai Peninsula including the coastal Mediterranean strip and El-Tih Desert east of Suez Canal (Figure 1).



Figure 1. Map shows the Phytogeographical regions in Egypt (**M**: the Mediterranean coastal strip; **O**: Oases of the Western Desert; **N**: Nile region; **De**: the desert east of the Nile; **Dw**: the desert west of the Nile; **R**: the Red Sea coastal strip; **GE**: Gebel Elba; **S**: The Sinai Peninsula).

While, El-Hadidi (2000) reported four floral provinces (zones) in Egypt, namely: the Mediterranean-Sahara regional transition zone, which represented in Egypt by the northern Mediterranean coast; the Saharo-Sindian regional zone, which encompasses the greater part of Egypt with its deserts; the Irano-Turanian regional center of endemism, which includes the mountainous massive of Sinai and some enclave areas in the Eastern Desert (e.g., Galala Mountains); the Sahel regional transition zone, which comprises the Gebel Elba mountainous region in the southeast of Egypt.

The significant amount of coastal and inland deserts in Egypt that cover about 96% of the country's area (Zahran et al., 2016) characterized by the growth of a permanent framework of halophytic and xerophytic vegetation types in seven different habitats, namely: mangrove swamps, reed swamps, salt marshes, sand dunes, rocky ridges, desert wadis and mountains.

Overall, the species richness of vascular plants in Egypt is not particularly high compared to other countries in Africa (Derbyshire et al., 2015; Taifour and El-Oqlah, 2017; Alzerbia et al., 2020; Ali-Shtayeh et al., 2022).

1.1. A Brief Historical Review of the Flora of Egypt and Recent Taxonomic Revisions

Over the past 50 years much more information has become available on Egyptian flora. Many floristic studies have been very thoroughly conducted in this country, although recent updates are continuously being made. The first checklist for vascular plants made by Täckholm (1974) included 2,080 species belonging to 130 families. In their updated checklist, El Hadidi and Fayed (1994, 95) included 2,076 species belonged to 730 genera and 129 families. By referring to his important work, Boulos (1995) published a checklist of native and naturalized vascular plants including 2,121 species and 153 infraspecific epithets from 742 genera and 121 families with information on their regional distribution and representative habitats. Then he updated the checklist in 2009 with a total of 2,145 species and 220 infraspecific taxa from 755 genera and 129 families based on his series of the flora of Egypt (1999-2005) which brought numerous taxonomic and nomenclatural changes. In his checklist, the cultivated plants were excluded, with the exception of 44 cultivated species of grasses and four cultivated onions.

Since 1941, eight volumes with selected families have been published by Egyptian botanists including: Typhaceae to Poaceae (Täckholm et al., 1941); Cyperaceae to Juncaceae and Casuarinaceae to Piperaceae (Täckholm and Drar, 1950); Liliaceae to Musaceae (Täckholm and Drar, 1954); Zingiberaceae to Orchidaceae and Casuarinaceae to Piperaceae (Täckholm and Drar, 1969); Azollaceae to Oxalidaceae (Boulos, 1999); Geraniaceae to Boraginaceae (Boulos, 2000); Verbenaceae to Compositae (Boulos, 2002); Alismataceae to Orchidaceae (Boulos, 2005); Cucurbitaceae (Heneidak, 2008).

In addition, many families have been revised in recent years as family Sterculiaceae (Shamso & Hamdy, 2010), Zygophyllaceae (Hosni et al., 2013), Brassicaceae (Abdel Khalik, 2017), Lamiaceae (El Gazzar et al., 2018), Asteraceae (El Gazzar et al., 2019, 2020b) Poaceae (Ibrahim et al., 2020), Capparaceae and Cleomaceae (El Zayat et al., 2020), Phyllanthaceae (Moustafa et al., 2024), Euphorbiaceae (El Gazzar et al., 2024). Furthermore, some genera listed in the flora of Egypt (Boulos, 1999-2005, 2009), have been recently studied (Kamel et al., 2009; Shamso, 2010; El Hadidy et al., 2011; Gehrke, 2011; Azer, 2013; Sharawy & Badr, 2014; Fayed et al., 2015; Zareh et al., 2016; Amer et al., 2016; El Hadidy et al., 2018; Faried, 2018; Fayed et al., 2019; Hassan & Amer, 2019; Shamso et al., 2019; Hassan & Hamdy, 2021; Rabei et al., 2021; Shamso et al., 2021; Faried et al., 2023; Hassan et al., 2024; Shehata et al., 2024).—

Also, some regional floristic works were published by many authors (Ahmed, 1989; Shaltout et al., 2010; Fahmy and El-Bakry, 2011; Ahmed et al., 2015; Abd El-Ghani et al., 2017; Rabei et al., 2021; Moustafa et al., 2024). Moreover, an updated checklist of the endemic and near-endemic plant species in Egypt was provided by Hosni et al. (2013), Abdelaal et al. (2018), Shaltout et al. (2018), El Khalafy (2021) and later in 2024 by Abd El Ghani et al. which comprises 70 endemic taxa from 56 genera and 28 families, as well as 181 near-endemic from 113 genera and 39 families.

1.2. New Additions to the Flora of Egypt

Since Boulos (2009), 23 genera are newly recorded in the country, i.e. *Meiosperma* Raf., Acanthaceae (Shamso, 2010); *Cannabis* L., Cannabaceae (Abd El Ghani, 2014); *Anoda* Cav., Malvaceae (Mobarak et al., 2017); *Hormuzakia* Guşul., Boraginaceae (Kamel et al., 2018); *Clinopodium* L., Lamiaceae (Rabei et al., 2019); *Helenium* L., Asteraceae (El Gazzar, 2020); *Ruta* L., Rutaceae (Shamso et al., 2023); *Acanthospermum* Schrank, Asteraceae (Sheded, 2024).

In addition, 155 species and 111 infraspecific taxa have been reported as new records to Egyptian flora (Kamel et al., 2009; Abd El Ghani et al., 2010; Hamada et al., 2010; Shamso, 2010; Shamso and Hamdy, 2010; Sukhorukov, 2010; El Hadidy et al., 2011; Azer, 2013; Badry et al., 2015; El Kordy, 2015; Moustafa et al., 2015; El-Banhawy, 2016; Badry et al., 2018; Faried, 2018; Gillespie et al., 2018; Fayed et al., 2019; Hassan and Amer, 2019; Shamso et al., 2019; El-Gazzar et al., 2020; Shamso and Hosny, 2020; Rabei et al., 2021; Shamso et al., 2021; Turki et al., 2021; El Kordy, 2022; Faried et al., 2023; Hassan et al., 2024).

1.3. Necessity to Update the List of Flora of Egypt

However, the recent updates of the orders and families of flowering plants made by the APG IV in 2016, as well as a number of recent publications that identify new species in Egypt, so far there has been no reliable evidence that summarize the current state of the floristic and taxonomic knowledge of the Egyptian vascular flora since Boulos (2009). Therefore, there is an urgent need to revise and provide an updated list of the floristic diversity. This study aims to present a thoroughly revised checklist of Egyptian native and naturalized vascular flora that comprises the up-to-date names of all species, genera, and families, by conducting comparisons to the latest checklist of Boulos (2009).

2. Materials and Methods

Comparing with the latest annotated checklist of the Egyptian Flora (Boulos, 2009), the nomenclature of vascular families, genera, species and infraspecific species was checked and updated according to the Plants of the World Online (POWO 2024). Other taxonomic databases were also consulted [Euro+Med PlantBase; GBIF (Global Biodiversity Information Facility); IPNI (The International Plant Name Index); Tropicos; World Flora Online (WFO 2024)]. Each species is provided with the author's name, full citation, habit and distribution. The systematic order and taxonomic circumscription of the families followed the classification proposed by PPG I (2016) for ferns and fern allies, Christenhusz et al. (2011) for gymnosperms, and APG IV (2016) for angiosperms. Within each family, the genera, species, and infraspecific taxa are alphabetically ordered. The currently accepted names are provided in bold italics, while the old names cited in Boulos' checklist are present in normal italics between parentheses. The distribution of specific and subspecific taxa follows the phytogeographical regions of Boulos (1995, 2009; Figure 1). All literature data for the species' regional distribution have been checked and updated according to the National Network of the Egyptian Herbaria (NNEH) and the Global Biodiversity Information Facility (GBIF). Species endemism is given after Boulos (2009) and Abd El Ghani et al. (2024) and updated using POWO and GBIF. Near-endemic taxa are those that are found in at least one country other than Egypt (such as Palestine, Libya or Sudan). The revision of Shamso et al. (2023) was helpful in our work.

This work comprises both native and non-native taxa that become naturalized, while cultivated or introduced taxa are excluded from the Egyptian Flora and should be addressed in a future publication. The list of old and new names of families, genera, species and infraspecific taxa is provided as supplementary material (App. 1), in addition to lists of endemic (App. 2) and near-endemic taxa (App. 3).

3. Results

This updated checklist includes 2,499 native and naturalized vascular plant taxa (1,676 species, 375 subspecies, and 177 varieties), belonging to 796 genera and 119 families. Three major taxonomic groups are reported: ferns and fern allies (6 families and 11 genera), gymnosperms (2 families and 2 genera), and angiosperms (111 families and 783 genera), see Table (1). Angiosperms dominates the Egyptian flora with total of 2,473 taxa, which constitute 98.9 % of total flora (Table 1).

The most represented families with a high species richness (> 25 genera and > 50 taxa) are: Asteraceae (104 genera and 295 taxa), Poaceae (99 genera and 279 taxa), Fabaceae (50 genera and 275 taxa), Amaranthaceae (30 genera and 123 taxa), Brassicaceae (60 genera and 115 taxa), Caryophyllaceae (27 genera and 113 taxa), Lamiaceae (28 genera and 69 taxa), Boraginaceae (25 genera and 67 taxa), and Apiaceae (28 genera and 55 taxa), Figure (2).

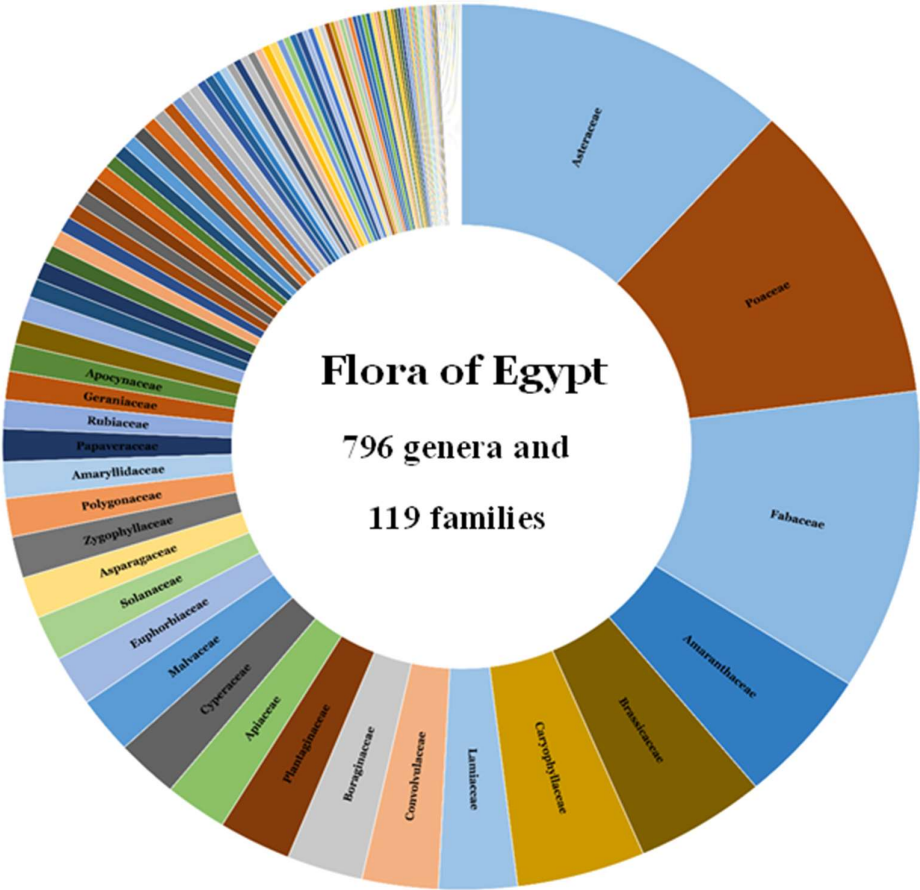


Figure 2. Species richness of families of the Egyptian vascular flora (names are for the most represented families (≥ 25 taxa)).

At the genus level, six genera represent a high species richness (≥ 20 taxa): *Astragalus* L. (45 taxa), *Silene* L. (39), *Cyperus* L. (27) *Allium* L. (26), *Convolvulus* L. (23), *Bromus* L. (20).

Among the phytogeographical regions in Egypt, the Sinai Peninsula (including the coastal Mediterranean strip and El-Tih desert east of Suez canal) contains the richest flora where 1,473 taxa were identified, followed by the Mediterranean Coastal strip with 1,304 taxa, and the Nile region with 1,107 taxa. While, the western desert has the lowest number of taxa (70 taxa) (Table 2, Figure 3).

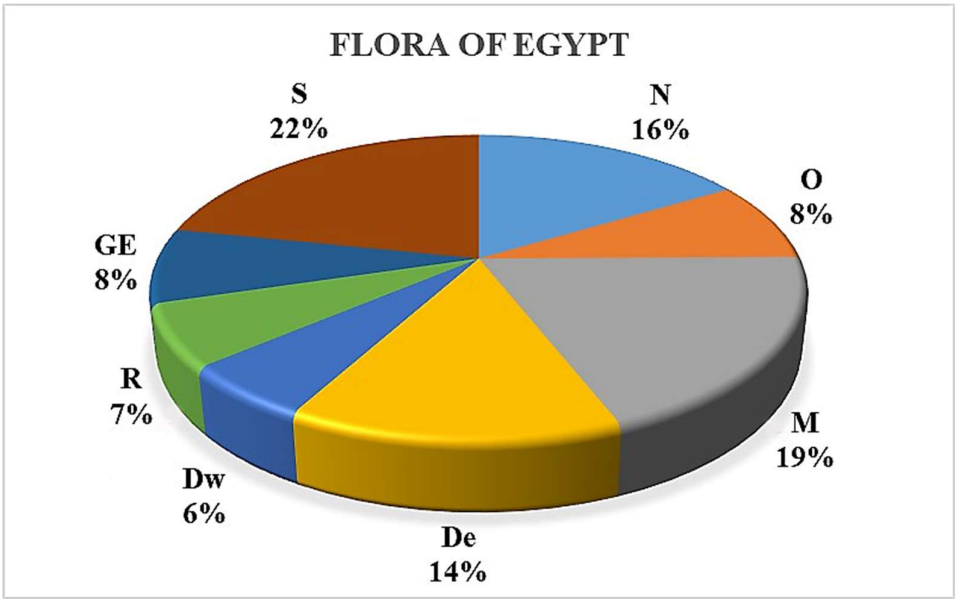


Figure 3. Taxa percentage in the eight phytogeographical regions (**M**: the Mediterranean coastal strip; **O**: Oases of the Western Desert; **N**: Nile region; **De**: the desert east of the Nile; **Dw**: the desert west of the Nile; **R**: the Red sea coastal strip; **GE**: Gebel Elba; **S**: The Sinai Peninsula).

In this work, the name of 32 family, 70 genera and 410 species has been changed (App. 1). In addition, one new family (Cannabaceae), 23 new genera, 189 new species, 61 new subspecies, and 41 new varieties were not listed in the previous checklist of Boulos (2009) and are added to the Egyptian flora in the current work based on recent studies (App. 2).

On the other hand, 52 plant species that were listed in the previous checklist of Boulos (2009) are excluded as they are cultivated in Egypt for their use as condiments, fodder, cereals, aromatic oils, and lawn grass (Table 3).

Table 1. Number of native and naturalized Egyptian vascular plants in each taxonomic group.

Major taxonomic groups	Family	Genus	Taxa
Ferns and fern allies	6	11	20
Gymnosperms	2	2	6
Angiosperms	111	783	2,473
Total	119	796	2,499

Table 2. The species richness of each Egyptian phytogeographical region including number of endemic and near-endemic taxa.

Phytogeographical region	No. of taxa	No. of endemic taxa	No. of near-endemic taxa
Nile region (N)	1107	18	26
Oasis (O)	574	7	8

Mediterranean region (M)	1304	23	83
Eastern Desert (De)	625	10	55
Western Desert (Dw)	70	3	20
Red Sea region (R)	445	8	19
Gebel Elba (GE)	537	2	12
Sinai Peninsula (S)	1473	39	150

Table 3. List of excluded non-native taxa in the current work.

No.	Taxon name	Reasons of exclusion
Amaryllidaceae		
1	<i>Allium cepa</i> L.	Cultivated for culinary use (Boulos, 2009)
2	<i>Allium kurrat</i> Schweinf. ex K.Krause	
3	<i>Allium porrum</i> L.	
4	<i>Allium sativum</i> L.	
Asteraceae		
5	<i>Centaurea pullata</i> L.	Cited by Täckholm (1974) and Boulos (1995, 2009), but Zareh (2005) reported that no specimens have been seen so its presence in Egypt is doubtful
Cucurbitaceae		
6	<i>Coccinia abyssinica</i> (Lam.) Cogn.	Do not belong to the flora of Egypt (Heneidak, 2008)
7	<i>Cucumis dipsaceus</i> Ehrenb. ex Spach	
8	<i>Cucumis pustulatus</i> Naudin ex Hook.f.	
9	<i>Diplocyclos palmatus</i> (L.) C.Jeffrey	
Moraceae		
10	<i>Ficus carica</i> L. subsp. <i>carica</i>	Cultivated trees (Boulos 2009), usually propagated by air layering and tip cuttings (El-Egami and Sayed 2016)
11	<i>Ficus sycomorus</i> L.	
Oleaceae		
12	<i>Olea europaea</i> L. subsp. <i>europaea</i> var. <i>europaea</i>	Cultivated oil tree as reported by Boulos (2009)
Poaceae		
13	<i>Briza maxima</i> L.	Decorative species (Boulos, 2009)

14	<i>Bromus lepidus</i> Holmb.	Cultivated (Boulos, 2009)
15	<i>Cenchrus americanus</i> (L.) Morrone [<i>Pennisetum glaucum</i> (L.) R.Br.]	Cultivated cereal (Pearl Millet) (Boulos, 2009)
16	<i>Cenchrus clandestinus</i> (Hochst. ex Chiov.) Morrone [<i>Pennisetum clandestinum</i> Hochst. ex Chiov.]	Cultivated for fodder (Kikuyu Grass) (Boulos, 2009)
17	<i>Chrysopogon zizanioides</i> (L.) Roberty	grass grown for the aromatic oils from the roots (Vetiver) (Boulos, 2009)
18	<i>Coix lacryma-jobi</i> L.	Cultivated for the bony utricles used as beads, or for its ornamental value, leaves and culms are useful as fodder (Job's-tears) (Boulos, 2009)
19	<i>Cortaderia selloana</i> (Schult. & Schult.f.) Asch. & Graebn.	Cultivated ornamental (Boulos, 2009)
20	<i>Cymbopogon citratus</i> (DC.) Stapf	Cultivated for its aromatic oil (Lemon-grass oil) (Boulos, 2009)
21	<i>Cymbopogon flexuosus</i> (Nees ex Steud.) Will. Watson	Cultivated for its aromatic oil (Oil of Malabar) (Boulos, 2009)
22	<i>Cymbopogon iwarancusa</i> (Jones ex Roxb.) Schult.	Cultivated as a condiment and for medicinal purposes (Boulos, 2009)
23	<i>Cymbopogon martini</i> (Roxb.) Will. Watson	Cultivated for its aromatic oil (Palmerosa oil) (Boulos, 2009)
24	<i>Cymbopogon nardus</i> (L.) Rendle	Cultivated for its aromatic oil (Citronella) (Boulos, 2009)
25	<i>Cynodon transvaalensis</i> Burt Davy	Cultivated lawn grass (Boulos, 2009)
26	<i>Elymus repens</i> (L.) Gould	Rhizomes imported for herbal medicines (Boulos, 2009)
27	<i>Megathyrsus maximus</i> (Jacq.) B.K.Simon & S.W.L.Jacobs [<i>Panicum maximum</i> Jacq.]	Cultivated for fodder (Guinea Grass) (Boulos, 2009)
28	<i>Melinis minutiflora</i> P.Beauv.	Cultivated (Molasses Grass) (Boulos, 2009)
29	<i>Miscanthus sinensis</i> Andersson	Cultivated ornamental (Japanese Silver-grass) (Boulos, 2009)
30	<i>Oryza sativa</i> L.	Cultivated cereal (Rice) (Boulos, 2009)
31	<i>Paspalum racemosum</i> Lam.	Cultivated as a forage crop (Boulos, 2009)
32	<i>Phleum pratense</i> L.	Fodder (Boulos, 2009)
33	<i>Pogonatherum paniceum</i> (Lam.) Hack	Cultivated ornamental (Dwarf Bamboo) (Boulos, 2009)

34	<i>Saccharum officinarum</i> L.	Cultivated (Sugar-cane) (Boulos, 2009)
35	<i>Setaria italica</i> (L.) P.Beauv.	Cultivated as a cereal (Italian Foxtail Millet) but mostly grown for fodder or bird-seed (Boulos, 2009)
36	<i>Setaria megaphylla</i> (Steud.) T.Durand & Schinz	Cultivated ornamental (Boulos, 2009)
37	<i>Sorghum bicolor</i> (L.) Moench	Cultivated cereal (Sorghum, Guinea Corn) (Boulos, 2009)
38	<i>Sorghum bicolor</i> nothosubsp. <i>drummondii</i> (Nees ex Steud.) de Wet ex Davidse	Cultivated for fodder (Sudan Grass) (Boulos, 2009)
39	<i>Sporobolus natalensis</i> (Steud.) T.Durand & Schinz	On trial as a fodder grass (Boulos, 2009)
40	<i>Sporobolus wrightii</i> Scribn.	
41	<i>Stenotaphrum secundatum</i> (Walter) Kuntze	Cultivated as a lawn grass (St Augustine Grass) (Boulos, 2009)
42	<i>Themeda villosa</i> (Poir.) A.Camus	Cultivated as an ornamental (Boulos, 2009)
43	<i>Triticum aestivum</i> L.	Cultivated cereals (Boulos, 2009)
44	<i>Triticum pyramidale</i> (Delile ex Schult.) Percival	
45	<i>Triticum turgidum</i> L.	
46	<i>Triticum turgidum</i> subsp. <i>dicoccum</i> (Schränk ex Schübl.) Thell.	
47	<i>Triticum turgidum</i> subsp. <i>durum</i> (Desf.) Husn.	
48	<i>Zea mays</i> L.	Cultivated cereal (Maize, Corn) (Boulos, 2009)
49	<i>Zea mexicana</i> (Schränk.) Kuntze	Cultivated cereal (Teosinte) (Boulos, 2009)
Pteridaceae		
50	<i>Pteris vittata</i> L.	Cultivated ornamental fern in Khedivial gardens (as observed by the author)
Ranunculaceae		
51	<i>Delphinium ajacis</i> L. [<i>D.ambiguum</i> L.]	Cultivated from seeds in Egypt (author observation)
Salicaceae		
52	<i>Salix tetrasperma</i> Roxb.	Introduced tree in Egypt (POWO, WFO), propagated vegetatively by planting mature wooden cuttings (as observed by the author)

Additionally in this study, authors excluded 13 species from the list of endemic species reported by Boulos (2009) that includes 87 taxa, due to their distribution in different countries (App. 3). Concerning the near-endemics, a total of 215 near-endemic taxa are provided that represent about 8% of the total flora of Egypt (App. 4). Authors in this work excluded 10 taxa that previously recorded by Boulos (2009) and added 13 new near endemic taxa (App. 4). Family Asteraceae shows the highest number of near-endemic taxa (34 taxa) followed by Fabaceae (19 taxa), Caryophyllaceae (13 taxa), Asparagaceae (13 taxa), Lamiaceae and Amaryllidaceae (12 taxa). Also, the results show that the Sinai Peninsula includes the highest number of near-endemic taxa (150 taxa) followed by the Mediterranean Coastal strip (83 taxa), then the Eastern desert (55 taxa). While, the Nile region has 26 taxa, the Western desert has 20 taxa, the Red Sea coastal strip has 19 taxa, and Gebel Elba region has 12 taxa. On the other hand, the Oasis shows the lowest number of near endemics (8 taxa).

Checklist of the native vascular flora in Egypt

Symbols used in the checklist:

- T Tree T Small Tree S Shrub S Subshrub
A Annual
B Biennial P Perennial P Short-lived perennial C Climber
L Liane
E Endemic NE Near-endemic * New addition

Division I. Pteridophyta

1. EQUISETACEAE (1 genus and 1 taxon)

Equisetum ramosissimum Desf., Fl. Atlant. 2: 398 (1799).

var. *ramosissimum* – P [O (Bahariya), M, S]

2. OPHIOGLOSSACEAE (1 genus and 1 taxon)

Ophioglossum polyphyllum A.Braun in Seub., Fl. Azor.: 17 (1844) emend. Pic. Serm., Webbia 9: 632. t. 2a (1954).

var. *polyphyllum* – P [GE]

3. SALVINIACEAE [AZOLLACEAE] (1 genus and 5 taxa)

Azolla caroliniana Willd., Sp. Pl., ed. 4, 5 (1): 541 (1810) – A [N]

Azolla filiculoides Lam., Encycl. 1: 343 (1783).

subsp. *cristata* (Kaulf.) Fraser-Jenk., Bull. Natl. Mus. Nat. Sci., Tokyo, B. 38: 178 (2012).

[=*Azolla mexicana* C.Presl, Konigl. Böhm. Ges. Wiss., ser. 5, 3: 580 (1845)]

[=*Azolla microphylla* Kaulf., Enum. Filic.: 273 (1824)] – A [N, M]

subsp. *filiculoides* – A [N]

Azolla nilotica Decne. ex Mett. in Kotschy & Peyr., Pl. Tinn.: 54, t. 25 (1867) – A [N]

Azolla pinnata R.Br., Prodr. Fl. Nov. Holland.: 167 (1810) – A [N]

4. MARSILEACEAE (1 genus and 4 taxa)

Marsilea aegyptiaca Willd., Sp. Pl., ed. 4, 5 (1): 540 (1810) – P [N, O, M, De]

Marsilea capensis A.Braun, Monatsber. Königl. Preuss. Akad. Wiss. Berlin 1863: 428 (1864) –

P[N]

Marsilea minuta L., Mant. Pl. 2: 308 (1771).

var. *minuta* – P [O (Bahariya)]

Marsilea strigosa Willd., Sp. Pl., ed. 4, 5 (1): 539 (1810) – P [N]

5. PTERIDACEAE [ADIANTACEAE, ACTINIOPTERIDACEAE] (6 genera and 7 species)

Actiniopteris semiflabellata Pic. Serm., Webbia 17: 24, f. 4 (1962) – P [GE]

Adiantum capillus-veneris L., Sp. Pl., ed.1, 2: 1096 (1753) – A [N, O, M, D, R, GE, S]

Anogramma leptophyllum (L.) Link, Fil. Spec.: 137 (1841) – P [GE]

Cosentinia vellea (Aiton) Tod., Giorn. Sci. Nat. Econ. Palermo 1: 220 (1866).

[=*Cheilanthes vellea* (Aiton) Domin, Bibl. Bot. 20(85-1): 133 (1913)] – P [GE, S]

Hemionitis morla Christenh, Global Fl. 4:18 (2018).

[=*Cheilanthes coriacea* Decne., Arch. Mus. Hist. Nat. Paris 2: 190 (1841)] – P [GE]

- Hemionitis pteridioides* (Reichard) Christenh. Global Fl. 04:19 (2018).
 [= *Cheilanthes pteridioides* (Reichard) C.Chr., Index Filic.: 178 (1905)] – **P** [S]
- Onychium divaricatum* (Poir.) Alston, Bol. Soc. Brot., sér. 2, 30: 21 (1956) – **P** [GE]
6. **ASPLENIACEAE** (1 genus and 2 taxa)
- Asplenium adiantum-nigrum* L., Sp. Pl., ed. 1, 2:1081 (1753).
 subsp. *adiantum-nigrum* – **P** [S]
- Asplenium ceterach* L., Sp. Pl., ed. 1, 2:1080 (1753).
 subsp. *ceterach* – **P** [S]
- Division II. Spermatophyta
 Subdivision 1. Gymnospermae
7. **CUPRESSACEAE** (1 genus and 1 species)
- Juniperus phoenicea* L., Sp. Pl., ed. 1, 2: 1040 (1753) – **S/T** [M, Dw, S]
8. **EPHEDRACEAE** (1 genus and 5 taxa)
- Ephedra alata* Decne., Ann. Sci. Nat., Bot., sér. 2, 2: 239 (1834) – **S** [N, O, M, D, R, S]
- Ephedra aphylla* Forssk., Fl. Aegypt. -Arab.:170 (1775) – **S** [N, M, D, Ge, S]
- Ephedra ciliata* Fisch. & C.A.Mey., Bull. Cl. Phys.-Math. Acad. Imp. Sci. Saint-Pétersbourg 5: 36 (1845) – **S** [N, M, D, R, GE, S]
- Ephedra foeminea* Forssk., Fl. Aegypt. -Arab.: 219 (1775) – **S** [S]
- Ephedra pachyclada* Boiss., Fl. Orient. 5: 713 (1884)
 subsp. *sinaica* (Riedl) Freitag & Maier-St., Edinb. J. Bot. 49: 92 (1992) – **S** [M, S]
- Subdivision 2. Angiospermae
 Class 1. Dicotyledoneae
9. **NYMPHAEACEAE** (1 genus, 3 taxa)
- Nymphaea lotus* L., Sp. Pl., ed. 1, 1: 511 (1753).
 var. *lotus* – **P** [N, M]
- **Nymphaea nilotica* Fawzi & Azer, Middle East J. Agric. Res. 6(4): 1078-1088 (2017) – **P** [N]
- Nymphaea nouchali* Burm.f., Fl. Indica: 120 (1768).
 var. *caerulea* (Savigny) Verdc., Fl. Trop. E. Africa, Nymphaeac.: 7 (1989)
 [= *Nymphaea caerulea* Savigny, Déc. Egypt. 1: 71 (1798)] – **P** [N, O, M]
10. **ARISTOLOCHACEAE** (1 genus, 2 species)
- Aristolochia bracteolata* Lam., Encycl. 1 (1): 258 (1783) – **P** [GE]
- Aristolochia maurorum* L., Sp. Pl., ed. 2: 1363 (1763) – **P** [S (Rafah)]
11. **ARACEAE** [LEMNACEAE] (7 genera, 12 taxa)
- Arisarum vulgare* O.Targ. Tozz., Ann. Mus. Imp. Fis. Firenze 2 (2): 67 (1810).
 subsp. *vulgare* – **P** [M, S]
- Biarum olivieri* Blume, Rumphia 1: 115 (1836) – **P NE** [M, S]
- Eminium spiculatum* (Blume) Schott, Syn. Aroid. 17 (1856).
 subsp. *spiculatum* – **P** [M, S]
- *subsp. *negevense* Koach & Feinbrun, Fl. Palaestina 4: 397 (1986) – **P** [De]
- Lemna aequinoctialis* Welw., Apont.: 578 (1859) – **P** [N, O]
- Lemna gibba* L., Sp. Pl., ed. 1, 2: 970 (1753) – **P** [N, O, M]
- Lemna minor* L., Sp. Pl., ed. 1, 2: 970 (1753) – **P** [N, O]
- **Lemna trisulca* L., Sp. Pl., ed. 1, 2: 970 (1753) – **P** [N (Lake Idku)]
- Pistia stratiotes* L., Sp., Pl., ed. 1, 2: 963 (1753) – **P** [N]
- Spirodela polyrhiza* (L.) Schleid., Linnaea 13: 392 (1839) – **P** [N, M]
- Spirodela punctata* (G.Mey.) C.H.Thomps., Rep. (Annual) Missouri Bot. Gard. 9: 28 (1898) – **P** [N (Cairo region)]
- Wolffiella hyalina* (Delile) Monod, Mém. Soc. Hist. Nat. Afrique N., Hors-sér. 2: 242 (1949) – **P** [N, M, De]
12. **ALISMATACEAE** (4 genera, 6 species)
- Alisma gramineum* Lej., Fl. Spa 1: 175 (1811) – **P** [N, O, M]

- Alisma plantago-aquatica* L. Sp. Pl., ed. 1, 1: 342 (1753) –**P** [N]
Caldesia parnassifolia (Bassi) Parl., Fl. Ital. 3: 599 (1860).
 [= *Caldesia reniformis* (D.Don) Makino, Bot. Mag. (Tokyo) 20: 34 (1906)] –**P** [N]
Damasonium alisma Mill., Gard. Dict., ed. 8: n.° 1 (1768) –**A/P** [N, M]
 Damasonium bourgaei* Coss., Notes Pl. Crit. 2: 47 (1849) –A/P** [N, M, De]
 Sagittaria sagittifolia* L., Sp. Pl., ed. 1, 2: 993 (1753) –P** [De]
 13. HYDROCHARITACEAE [incl. NAJADACEAE] (6 genera, 14 taxa)
Elodea canadensis Michx., Fl. Bor.-Amer. 1: 20 (1803) –**P** [N (Cairo)]
 **Elodea densa* (Planch.) Casp., Monatsber. Königl. Preuss. Akad. Wiss. Berlin 1857: 49 (1857).
 [= *Egeria densa* Planch., Ann. Sci. Nat., Bot., sér. 3, 11: 80 (1849)] –**P** [N (Delta)]
Halophila ovalis (R.Br.) Hook.f., Fl. Tasman. 2: 45 (1858).
 subsp. *ovalis* –**P** [R (Gulf of Suez)]
Halophila stipulacea (Forssk.) Asch., Sitzungsber. Ges. Naturf. Freunde Berlin 1867: 3 (1867) –
P [M (Mersa Matruh harbour), De (Suez Canal); R (coasts), S (coasts)]
Najas graminea Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 282, t. 50, f. 3 (1813) –**A** [N, O, M]
Najas horrida A.Braun ex Magnus, Beitr. Kenntn. Najas: 46 (1870).
 var. *graminea* –**A** [N (Nile Delta at Damietta, Nile valley at Edfu and Lake Nasser)]
Najas major All., Auct. Syn. Meth. Stirp. Hort. Regii Taur.: 3 (1773).
 [= *Najas marina* subsp. *ehrenbergii* (A.Braun) L.Triest, Mém. Acad. Roy. Sci. Outre-Mer, Cl. Sci.
 Nat. Méd., Collect. 8vo, n.s., 21(4): 24 (1987)] –**A** [O (Kharga)]
Najas marina L., Sp. Pl., ed. 1, 2: 1015 (1753).
 subsp. *intermedia* (Wolfg. ex Gorski) Casper, Feddes Repert. 90: 236 (1979)
 [= subsp. *armata* (Lindb.f.) Horn, Bull. Misc. Inform. Kew 7: 29 (1952)] –**A** [N, O, M, S]
 *subsp. *marina* –**A** [N, O, M]
Najas minor All., Auct. Syn. Meth. Stirp. Hort. Regii Taur. 3 (1773) –**A** [N, O (Bahariya)]
Najas pectinata (Parl.) Magnus, Mém. Inst. Égypt. 2: 145 (1887) –**A** [N, S]
Ottelia alismoides (L.) Pers., Syn. Pl. 1: 400 (1805) –**A/P** [N, O, M]
Thalassia hemprichii (Ehrenb.) Asch., Petermanns Geogr. Mitt. 17: 242 (1871) –**P** [R]
Vallisneria spiralis L., Sp. Pl., ed. 1, 2: 1015 (1753) –**P** [N (Aswan)]
 14. ZOSTERACEAE (1 genera, 1 species)
Zostera noltii Hornem., in G.C.Oeder & al. (eds.), Fl. Dan. 12 (35): 1, t. 2041 (1832) –**P** [M, S]
 15. POTAMOGETONACEAE [incl. ZANNICHELLIACEAE] (3 genera, 10 taxa)
Potamogeton crispus L., Sp. Pl., ed. 1, 1: 126 (1753) –**P** [N, O, M, D, S]
 Potamogeton lucens* L., Sp. Pl., ed. 1, 1: 126 (1753) –P** [N, De]
Potamogeton nodosus Poir. in J.B.A.M.de Lamarck, Encycl., Suppl. 4: 535 (1816) –**P** [N, M, De
 (Ismailia Canal), S]
Potamogeton perfoliatus L., Sp. Pl., ed. 1, 1: 126 (1753) –**P** [N, De, S]
Potamogeton pusillus L., Sp. Pl., ed. 1, 1: 127 (1753) –**P** [N, O]
Potamogeton schweinfurthii A.Benn. in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 8(2): 220
 (1901), nom. cons. –**P** [N (Lake Nasser), De (Ismailia Canal)]
Potamogeton trichoides Cham. & Schltdl., Linnaea 2 (2): 175, t. 4, f. 6 (1827) –**A/P** [N]
Stuckenia pectinata (L.) Börner, Fl. Deut. Volk: 713 (1912).
 [= *Potamogeton pectinatus* L., Sp. Pl., ed. 1, 1: 127 (1753)] –**P** [N, O, M, S]
Zannichellia palustris L., Sp. Pl., ed. 1, 2: 969 (1753)
 subsp. *palustris* –**A/P** [N, O, M, De]
 *subsp. *pedicellata* (Rosén & Wahlenb.) Arcang., Comp. Fl. Ital.: 643 (1882) –**A/P** [N, O, M, Dw,
 S]
 16. POSIDONIACEAE (1 genus, 1 species)
Posidonia oceanica (L.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 78 (1813) –**P** [M, S]
 17. RUPPIACEAE (1 genus, 2 species)
Ruppia cirrhosa (Petagna) Grande, Bull. Orto Bot. Regia Univ. Napoli 5: 58 (1918) –**P** [N, M, S]

- Ruppia maritima* L., Sp. Pl., ed. 1, 1: 127 (1753) –P [N, O, M, De, R, S]
- 18. CYMODOCEACEAE** (5 genera, 6 species)
- Cymodocea nodosa* (Ucria) Asch., Sitzungsber. Ges. Naturf. Freunde Berlin 1869: 4 (1869) –P [M, R, S (Mediterranean coast of Sinai)]
- Cymodocea rotundata* Asch. & Schweinf., Sitzungsber. Ges. Naturf. Freunde Berlin 1870: 84 (1870) –P [R, S (Gulf of Suez, Gulf of Aqaba)]
- Halodule uninervis* (Forssk.) Asch. in Boiss., Fl. Orient. 5: 24 (1882) –P [R, S]
- Oceana serrulata* (R.Br.) Byng & Christenh., Global Fl. 4: 53 (2018).
[=*Cymodocea serrulata* (R.Br.) Asch. & Magnus, Sitzungsber. Ges. Naturf. Freunde Berlin 1870: 84 (1870)] –P [R (Qoseir)]
- Syringodium isoetifolium* (Asch.) Dandy, J. Bot. 77: 116 (1939) –P [R, S (Gulf of Suez, Gulf of Aqaba)]
- Thalassodendron ciliatum* (Forssk.) Hartog, Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2, 59 (1): 188 (1970) –P [R, S (Gulf of Suez, Gulf of Aqaba)]
- 19. COLCHICACEAE** (1 genus, 5 species)
- **Colchicum gramineum* (Cav.) J.C.Manning & Vinn., Taxon 56: 880 (2007) –P [M, De]
- Colchicum guessfeldtianum* Asch. & Schweinf., Ill. Fl. Égypte, Suppl. 2: 774 (1889) –P NE [De (South Galala), S (Gebel Katherine, Gebel Serbal)]
- Colchicum palaestinum* (Baker) C.Archer, Bothalia 38: 83 (2008).
[=*Colchicum palaestinum* (Baker) Boulous comb. nov.] –P NE [M, De, S]
- Colchicum ritchii* R.Br., Narr. Travels Africa, App. 22: 241 (1826) –P [M, De, S]
- Colchicum schimperii* Janka ex Stef., Sborn. B'lgar. Akad. Nauk 22: 31 (1926).
[=*Colchicum cornigerum* (Schweinf. ex Sickenb.) Täckh. & Drar, Publ. Cairo Univ. 5: 79 (1974)] –P [De (North Galala), S]
- 20. LILIACEAE** (2 genera, 5 species)
- Gagea dayana* Chodat & Beauverd in J.E.Dinsmore, Pl. Post. 1: 8 (1932) –P [M, De]
- Gagea fibrosa* (Desf.) Schult. & Schult.f. in J.J.Roemer & J.A.Schultes, Syst. Veg., ed. 15 [bis]. 7: 552 (1829) –P [M, De, S]
- Gagea reticulata* (Pall.) Schult. & Schult.f. in J.J.Roemer & J.A.Schultes, Syst. Veg., ed. 15 [bis]. 7: 542 (1829) –P [M, De, S]
- Tulipa biflora* Pall., Reise Russ. Reich. 3(2): 727, t. D, f. 3 (1776) –P [De (South Galala), S]
- Tulipa systola* Stapf, Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 50: 17 (1885) –P [S]
- 21. ORCHIDACEAE** (1 genus, 1 species)
- Epipactis veratrifolia* Boiss. & Hohen. in P.E.Boissier, Diagn. Pl. Orient. ser. 1, 13: 11 (1854) –P [S]
- 22. IXIOLIRIACEAE** (1 genus, 1 species)
- Ixiolirion tataricum* (Pall.) Schult. & Schult.f. in J.J.Roemer & J.A.Schultes, Syst. Veg., ed.15 [bis]. 7: 752 (1829).
[=*Ixiolirion tataricum* (Pall.) Herb., Bot. Reg. 7. App. 37 (1821)] –PNE [S]
- 23. IRIDACEAE** (3 genera, 4 species)
- Iris mariae* Barbey, Österr. Bot. Z. 41: 207 (1891) –PNE [S]
- Gladiolus italicus* Mill., Gard. Dict., ed. 8: n.° 2 (1768) –P [O, M, S]
- Moraea mediterranea* Goldblatt, Novon 8 (4): 376 (1998) –P [N, M, D, S]
- Moraea sisyrinchium* (L.) Ker Gawl. in König & Sims., Ann. Bot. 1 (2): 241 (1804) –P [N, M, De, S]
- 24. ASPHODELACEAE** (2 genera, 7 taxa)
- Asphodeline brevicaulis* (Bertol.) J.Gay ex Baker, J. Linn. Soc., Bot. 15: 276 (1876) –P [S]
- Asphodelus aestivus* Brot., Fl. Lusit. 1: 525 (1804) –P [N, M, De, S]
- Asphodelus fistulosus* L., Sp. Pl., ed. 1, 1: 309 (1753)
subsp. *fistulosus* –P [N, O, M, R, S (Ain Gedeirat)]

- **Asphodelus ramosus* L., Sp. Pl., ed. 1, 1: 310 (1753).
 subsp. *ramosus* –P [M, S]
Asphodelus refractus Boiss., Diagn. Pl. Orient., ser. 1, 13: 23 (1854) –A [De, S]
Asphodelus tenuifolius Cav., Anales Ci. Nat. 3: 46 (1801) –A [N, O, M, D, R, GE, S]
Asphodelus viscidulus Boiss., Diagn. Pl. Orient., ser. 1, 7: 118 (1846) –A [M, S]
25. AMARYLLIDACEAE [incl. ALLIACEAE] (4 genera, 33 taxa)
Allium ampeloprasum L., Sp. Pl., ed. 1, 1: 294 (1753) –P [O, M, S]
Allium artemisietorum Eig & Feinbrun, Palestine J. Bot, Jerusalem ser. 3: 18 (1943) –P
 NE [M (Mersa Matruh), S]
Allium aschersonianum Barbey in C.Barbey-Boissier & W.Barbey, Herbor. Levant: 163 (1882) –
 P [M, S]
Allium barthianum Asch. & Schweinf., Bull. Herb, Boissier 1 (9): 670 (1893) –P NE [M]
Allium blomfieldianum Asch. & Schweinf., Bull. Herb, Boissier 1: 671 (1893) –P NE [M]
Allium crameri Asch. & Boiss. in P.E.Boissier, Fl. Orient. 5: 279 (1882) –P E [De, S]
Allium curtum Boiss. & Gaill., Diagn. Pl. Orient., ser. 2, 4: 116 (1859).
 subsp. *curtum* –P [M, S]
 subsp. *palaestinum* Feinbrun, Polish Bot. J. 3: 14 (1943) –P NE [S (Rafah)]
Allium decaisnei C.Presl, Abh. Königl. Böhm. Ges. Wiss., ser. 5, 3: 544 (1845).
 [= *Allium stamineum* subsp. *decaisnei* (C.Presl) Kollmann, Fl. Palaestina 4: 87 (1986)] –P NE [S]
Allium desertorum Forssk., Fl. Aegypt-Arab.: 72 (1775) –P NE [N, M, De, S]
Allium erdelii Zucc., Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 3: 236 (1843) –P [M, S]
 **Allium longanum* Pamp., Bull. Soc. Bot. Ital. 1912: 116 (1912) –P NE [M]
Allium mareoticum Bornm. & Gauba, Repert. Spec. Nov. Regni Veg. 31: 396 (1933) –P E [M]
Allium myrianthum Boiss, Diagn. Pl. Orient, ser. 1, 5: 59 (1844) –P [M, S]
Allium neapolitanum Cirillo, Pl. Rar. Neapol. 1: 13, t. 4 (1788) –P [N, M, S]
Allium pallens L., Sp. Pl., ed. 2: 427 (1762) –P [M, De, S]
Allium papillare Boiss., Diagn. Pl. Orient, ser. 1, 13: 27 (1854) –P NE [S]
Allium roseum L., Sp. Pl., ed. 1, 1: 296 (1753).
 var. *tourneuxii* Boiss., Fl. Orient. 5: 274 (1882) –P [N, O, M, S]
Allium rothii Zucc., Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 3: 232 (1843) –P NE [S]
Allium sinaiticum Boiss., Diagn. Pl. Orient., ser. 1, 13: 31 (1854) –P NE [S]
 **Allium spathaceum* Steud. ex A.Rich., Tent. Fl. Abyss. 2: 330 (1850) –P [GE]
Allium sphaerocephalon L., Sp. Pl., ed. 1, 1: 297 (1753).
 subsp. *arvense* (Guss.) Arcang., Comp. Fl. Ital.: 702 (1882) –P [M]
Allium stamineum Boiss., Diagn. Pl. Orient., ser. 2, 4: 119 (1859).
 [=subsp. *stamineum*] –P [S]
 **Allium subhirsutum* L., Sp. Pl., ed. 1, 1: 295 (1753) –P [M]
Allium tel-avivense Eig, Pl. Palest.: 75 (1931) –P NE [M, De, S]
Allium trifoliatum Cirillo, Pl. Rar. Neapol. 2: 11 (1792).
 subsp. *hirsutum* (Regel) Kollmann, Israel J. Bot. 24 (4): 204 (1975) –P [M (Amria)]
Narcissus tazetta L., Sp. Pl., ed. 1, 1: 290 (1753).
 subsp. *tazetta* –P [N, M, S]
Nothoscordum gracile (Aiton) Stearn, Taxon 35 (2): 338 (1986).
 var. *gracile* –P [N, M]
Pancratium arabicum Sickenb., Contr. Fl. Egypte: 290 (1895) –P
 E [N, M (Alexandria Abu Qir), S (El-Arish – Rafah)]
Pancratium maritimum L., Sp. Pl., ed. 1, 1: 291 (1753) –P [N, M, S]
Pancratium sickenbergeri Asch. & Schweinf. in C.Barbey-Boissier & W.Barbey, Herbor. Levant:
 158 (1882) –P
 [N, M, D, R, GE, S]
Pancratium tortuosum Herb., Ann. Nat. Hist., ser. 1, 4: 28 (1840) –P NE [De, R, GE]

- **Pancratium trianthum* Herb., Ann. Nat. Hist. 4: 28 (1840) –P [GE]
26. ASPARAGACEAE [incl. HYACINTHACEAE, DRACAENACEAE] (9 genera, 38 taxa)
- Asparagus africanus* Lam., Encycl. 1: 295 (1783) –P [GE]
- Asparagus aphyllus* L., Sp. Pl., ed. 1, 1: 314 (1753) –P[M (Mersa Matruh)]
- *subsp. *orientalis* (Baker) P.H.Davis, Fl. Turkey 8: 77 (1984) –P [M]
- Asparagus horridus* L.in J.A.Murray, Syst. Veg., ed. 13.: 274 (1774).
- [=*Asparagus stipularis* Forssk., Fl. Aegypt.-Arab.: 72 (1775)] –S [N, O (Uweinat), M, De, S]
- Bellevalia desertorum* Eig & Feinbrun, Beih. Bot. Centralbl. 49 (2): 666, f. 1 (1932) –P NE [M, S]
- Bellevalia eigii* Feinbrun, Palestine J. Bot, Jerusalem ser. 1(4): 357 (1939) –PNE [M, S]
- Bellevalia flexuosa* Boiss., Diagn. Pl. Orient., ser. 1, 13: 36 (1854).
- var. *flexuosa* –P [M, De, S] var. *galalensis* Täckh. & Drar, Publ. Cairo Univ. Herb. 5: 80 (1974) –P E [De (Galala Mountains)]
- Bellevalia longipes* Post, Bull. Herb. Boissier 3: 165 (1895) –P[S]
- Bellevalia macrobotrys* Boiss., Diagn. Pl. Orient., ser. 1, 13: 35 (1854) –P [M, De, S]
- Bellevalia mauritanica* Pomel, Nouv. Mat. Fl. Atl. 255 (1874) –P [M]
- Bellevalia romana* (L.) Sweet, Hort. Brit.: 419 (1826).
- [=*Bellevalia romana* (L.) Rchb., Fl. Germ. Excurs. 105 (1830)] –P[M (Bahig)]
- Bellevalia salah-eidii* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 80 (1974) –P E [M (Hammam)]
- Bellevalia sessiliflora* (Viv.) Kunth, Enum. Pl. 4: 309 (1843) –P NE [M]
- Bellevalia trifoliata* (Ten.) Kunth, Enum. Pl. 4: 308 (1843) –P[O, M, De, S]
- Bellevalia warburgii* Feinbrun, Palestine J. Bot, Jerusalem ser., 1(4): 355 (1939) –P NE [S]
- Bellevalia zoharyi* Feinbrun, Palestine J. Bot., Jerusalem ser. 1(4): 372 (1939).
- var. *zoharyi* –PNE [S]
- var. *pyricarpa* (Feinbrun) Feinbrun, Fl. Palaestina 4: 67 (1986) –P NE [S]
- Dipcadi erythraeum* Webb & Berthel., Hist. Nat. Iles Canaries 3(2; 3): 341 (1848) –P [N, O, M, De, R, GE, S]
- Dipcadi viride* (L.) Moench, Suppl. Meth.: 267 (1802) –P [GE]
- Dracaena ombet* Kotschy & Peyr., Pl. Tinn.: 47 (1867).
- subsp. *ombet* –P [GE]
- Drimia maritima* (L.) Stearn, Ann. Mus. Goulandris 4: 204 (1978).
- [=*Urginea maritima* (L.) Baker, J. Linn. Soc., Bot. 13: 221 (1873)] –P [N, M, S]
- **Drimia palaestina* M.B.Crespo, Mart.-Azorín & M.Á.Alonso, Pl. Syst. Evol. 306 (4, 67): 13 (2020) –P
- NE [De, S]
- Drimia purpurascens* J.Jacq., Ecl. Pl. Rar.: 48 (1812).
- [=*Urginea undulata* (Desf.) Steinh., Ann. Sci. Nat. Bot., sér. 2, 1: 330 (1834)] –P [M]
- Muscari albiflorum* (Täckh. & Boulos) Hosni, Taeckholmia 11:54 (1988) –PE [M (Sollum), S]
- Muscari bicolor* Boiss., Fl. Orient. 5: 294 (1882).
- [=*Leopoldia bicolor* (Boiss.) Eig & Feinbrun, Palestine J. Bot., Jerusalem ser. 4: 58 (1947)] –P NE [M, S]
- Muscari commutatum* Guss., Pl. Rar.: 145 (1826) –P [S]
- Muscari comosum* (L.) Mill., Gard. Dict., ed. 8: n.º (1768).
- [=*Leopoldia comosa* (L.) Parl., Giorn. Bot. Ital. 2(2): 160 (1847)] –P [O, M, D, S]
- Muscari eburneum* (Eig & Feinbrun) D. C. Stuart, Notes Roy. Bot. Gard. Edinburgh 30: 190 (1970).
- [=*Leopoldia eburnea* Eig & Feinbrun, Palestine J. Bot., Jerusalem ser. 4: 58 (1947)] –P NE [Dw, S]
- Muscari longipes* Boiss., Diagn. Pl. Orient., ser. 1, 13: 36 (1854). subsp. *negevense* (Feinbrun & Danin) Hosni, Taeckholmia 12: 83 (1989).

- [=*Leopoldia longipes* subsp. *negevensis* Feinbrun & Danin in Feinbrun, Fl. Palaestina 4: 397 (1986)]
- P
- NE [S (northern Sinai)]
- Muscari longistylum* (Täckh. & Boulos) Hosni, Taeckholmia 11: 55 (1988) –P NE [M, S]
- Muscari neglectum* Guss. ex Ten., Ann. Civili Regno Due Sicilie 26: 48, 49 (1841).
[=*Muscari neglectum* Guss. ex Ten., Syll. Fl. Neap., App. 5, 13 (1842)] –P [M, S]
- Muscari parviflorum* Desf., Fl. Atlant. 1: 309 (1798) –P [M]
- Muscari salah-eidii* (Tackh. & Boulos) Hosni, Taeckholmia 11:55 (1988) –PE [S (Rafah)]
- Ornithogalum arabicum* L., Sp. Pl., ed. 1, 1: 307 (1753) –P [M, S]
- Ornithogalum narbonense* L., Cent. Pl. 2: 15 (1756) –P [M]
- Ornithogalum trichophyllum* Boiss., Diagn. Pl. Orient., ser.2, 4: 108 (1859) –P NE [N, M, S]
- Prospero hanburyi* (Baker) Speta, Veröff. Int. Clusius-Forschungsges. Güssing 5: 13 (1982)
[=*Scilla hanburyi* Baker, J. Linn. Soc., Bot.13: 235 (1873)] –P NE [S]
- Scilla peruviana* L., Sp. Pl., ed. 1, 1: 309 (1753) –P [M]
27. ARECACEAE [PALMAE] (3 genera, 3 species)
- Hyphaene thebaica* (L.) Mart., Hist. Nat. Palm. 3: 226 (1838) –T [N (mainly Qena, Aswan, Nubia), O, De, R, S]
- Medemia argun* (Mart.) Württemb. ex H.Wendl., Bot. Zeitung (Berlin) 39: 93 (1881) –T
- NE [O (Dungul and Nakhila), De]
- Phoenix dactylifera* L., Sp. Pl., ed. 1, 2: 1188 (1753) –T [N, O, M, D, R, GE, S]
28. COMMELINACEAE (3 genera, 7 taxa)
- Aneilema aequinoctiale* (P.Beauv.) G.Don in J.C.Loudon, Hort. Brit.: 15 (1830). [= *Aneilema aequinoctiale* (P.Beauv.) Kunth, Enum. 4: 72 (1843)] –P [GE]
- Commelina africana* L., Sp. Pl., ed. 1, 1: 41 (1753).
*var. *lancispatha* C.B.Clarke in W.H.Harvey & auct. suc. (eds.), Fl. Cap. 7: 10 (1897) –P [GE]
- Commelina benghalensis* L., Sp. Pl., ed. 1, 1: 41 (1753) –P [N]
- **Commelina boissieriana* C.B.Clarke in A.L.P.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 3: 161 (1881) –PNE [N, M, De, S]
- Commelina forskoolii* Vahl, Enum. Pl. Obs. 2: 172 (1805) –A/P [De, GE]
- Commelina latifolia* Hochst. ex A.Rich., Tent. Fl. Abyss. 2: 340 (1850).
var. *latifolia* –P [GE]
- Cyanotis vaga* (Lour.) Schult. & Schult.f. in J.J.Roemer & J.A.Schultes, Syst. Veg., ed. 15 [bis]. 7: 1153 (1830).
[=*Cyanotis barbata* D.Don, Prodr. Fl. Nepal.: 46 (1825)] –P [GE]
29. PONTEDERIACEAE (1 genus, 1 species)
- Pontederia crassipes* Mart., Nov. Gen. Sp. Pl. Bras. 1 (1): 9, 14 (1823).
[=*Eichhornia crassipes* (Mart.) Solms in A.L.P.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 4: 527 (1883)] –P [N, O, M, De]
30. TYPHACEAE (1 genus, 2 species)
- Typha domingensis* Pers., Syn. Pl. 2: 532 (1807).
[=*Typha domingensis* (Pers.) Poir. ex Steud., Nomencl. Bot. 860 (1824)] –P [N, O, M, De, R, S]
- Typha elephantina* Roxb., Fl. Ind., ed.1832. 3: 566 (1832) –P [N, O (Wadi Natrun), S]
31. JUNCACEAE (1 genus, 11 taxa)
- Juncus acutus* L., Sp. Pl., ed. 1, 1: 325 (1753).
subsp. *acutus* –P [N, O, M, De, S]
- subsp. *leopoldii* (Parl.) Snogerup, Bot. Not. 130: 187 (1978) –P [O (Wadi Natrun)]
- Juncus bufonius* L., Sp. Pl., ed. 1, 1: 328 (1753) –A [N, O, M, De, S]
- **Juncus effusus* L., Sp. Pl. ed. 1, 1: 326 (1753) –P [S]
- Juncus fontanesii* J.Gay ex Laharpe, Essai Monogr. Jonc.: 42 (1825).
subsp. *pyramidatus* (Laharpe) Snogerup, Fl. Iranica 75: 25 (1971) –P [N, O, M, S]
- Juncus hybridus* Brot., Fl. Lusit. 1: 513 (1804) –A [N, O, M, De, S]

- Juncus inflexus* L., Sp. Pl., ed. 1, 1: 326 (1753).
 subsp. *inflexus* –P [S]
Juncus littoralis C.A.Mey, Verz. Pfl. Casp. Meer.: 34 (1831) –P [N, O (Wadi Natrun), M, De, ?S]
Juncus punctorius L.f., Suppl. Pl.: 208 (1782) –P [N, S]
Juncus rigidus Desf., Fl. Atlant. 1: 312 (1800) –P [N, O, M, D, R, S]
Juncus subulatus Forssk., Fl. Aegypt.-Arab.: 75 (1775) –P [N, O, M, De]
32. CYPERACEAE (12 genera, 55 taxa)
Bolboschoenus glaucus (Lam.) S.G.Sm., Novon 5: 101 (1995) –P [N, O, De]
 **Bolboschoenus maritimus* (L.) Palla in W.D.J.Koch, Syn. Deut. Schweiz. Fl., ed. 3: 2532 (1905).
 subsp. *maritimus* –P [N, O, M, S]
Carex distans L., Syst. Nat., ed. 10, 2: 1263 (1759).
 subsp. *distans* –P [N, S]
Carex divisa Huds., Fl. Angl.: 348 (1762) –P [N, O, M]
Carex extensa Gooden, Trans. Linn. Soc. London 2: 175 (1794) –P [M, S]
Carex pachystylis J.Gay, Ann. Sci. Nat., Bot., sér. 2, 10: 301 (1838) –P [M]
Cladium mariscus (L.) Pohl, Tent. Fl. Bohem. 1: 32 (1809).
 subsp. *mariscus* –P [O (Siwa), De (Suez Canal region)]
Cyperus alopecuroides Rottb., Descr. Icon. Rar. Pl.: 38 (1773) –P [N, M, De]
Cyperus alternifolius L., Mant. Pl. 1: 28 (1767).
 subsp. *flabelliformis* (Rottb.) Kük. in H.G.A.Engler, Pflanzenr., IV, 20 (Heft 101): 193 (1936) –P
 [N]
Cyperus articulatus L., Sp. Pl., ed. 1, 1: 44 (1753) –P [N, M, De, S]
Cyperus bulbosus Vahl, Enum. Pl. Obs. 2: 342 (1806) –P [GE]
Cyperus capitatus Vand., Fasc. Pl.: 5 (1771) –P [N, O (Siwa), M, S]
Cyperus compressus L., Sp. Pl., ed. 1, 1: 46 (1753) –A [N (Damietta)]
Cyperus conglomeratus Rottb., Descr. Icon. Rar. Pl.: 21 (1773).
 subsp. *conglomeratus* –P [N, O (Siwa), M, De, R, GE, S]
Cyperus difformis L., Cent. Pl. 2: 6 (1756) –A [N, O, M, S]
Cyperus digitatus Roxb., Fl. Ind. 1: 209 (1820).
 subsp. *auricomus* (Sieber ex Spreng.) Kük., Bot. Not. 1934: 65 (1934) –P [N, M]
 **Cyperus dives* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 149 (1813) –P [N, M, De]
Cyperus esculentus L., Sp. Pl., ed. 1, 1: 45 (1753) –P [N, M, GE]
Cyperus flavescens L., Sp. Pl., ed. 1, 1: 46 (1753).
 [= *Pycnus flavescens* (L.) P.Beauv ex Rchb., Fl. Germ. Excurs. 72 (1830)] –A/P [N, De]
Cyperus flavidus Retz., Observ. Bot. 5: 13 (1788).
 [= *Pycnus flavidus* (Retz.) T.Koyama, J. Jap. Bot. 51: 316 (1976)] [De (along Suez Canal)]
Cyperus fuscus L., Sp. Pl., ed. 1, 1: 46 (1753) –A [N, O (Bahariya), M, De]
 **Cyperus glaber* L., Mant. Pl. 2: 179 (1771) –A [De, S]
Cyperus imbricatus Retz., Observ. Bot. 5: 12 (1788) –P [N]
Cyperus laevigatus L., Mant. Pl. 2: 179 (1771).
 subsp. *distachyos* (All.) Ball, J. Linn. Soc., Bot. 16: 700 (1878).
 [=var. *distachyos* (All.) Coss. & Durieu in Expl. Sci. Algérie 2: 251 (1868)] –P [N, O, M, De, S]
 subsp. *laevigatus*
 [=var. *laevigatus*] –P [N, O, M, D, R, GE, S]
Cyperus longus L., Sp. Pl., ed. 1, 1: 45 (1753).
 subsp. *longus*
 [= *Cyperus rotundus* var. *fenzelianus* (Steud.) El-Hadidy in L. Boulos, Fl. Egypt Checklist: 213 (1995)] –P
 [N, O, M, De]
Cyperus maculatus Boeckeler in W.C.H.Peters, Naturw. Reise Mossambique 6 (Bot., 2): 539 (1864).

- subsp. *maculatus* –**P** [N, O (Dakhla)]
- Cyperus michelianus* (L.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 50 (1813).
- subsp. *pygmaeus* (Rottb.) Asch. & Graebn., Syn. Mitteleur. Fl. 2(2): 273 (1904) –**A** [N]
- Cyperus microbolbos* C.B.Clarke in D.Oliver & auct. suc., Fl. Trop. Afr. 8 (2): 354 (1901) –**P**
NE [D, GE]
- Cyperus mundtii* (Nees) Kunth, Enum. Pl. 2: 17 (1837).
- var. *mundtii*
[=*Pycnus mundtii* Nees, Linnaea 10: 131 (1836)] –**P** [N, O]
- Cyperus papyrus* L., Sp. Pl., ed. 1, 1: 47 (1753).
- subsp. *papyrus* –**P** [N (Damietta), O (Wadi Natrun)]
- Cyperus polystachyos* Rottb., Descr. Icon. Rar. Pl.: 39 (1773).
- var. *polystachyos*
[=*Pycnus polystachyos* (Rottb.) P.Beauv., Fl. Oware 2: 48 (1816)] –**A/P** [N, O (Bahariya, Kharga)]
- Cyperus rotundus* L., Sp. Pl., ed. 1, 1: 45 (1753).
- var. *rotundus* –**P** [N, O, M, D, R, GE, S]
- Cyperus schimperianus* Steud., Syn. Pl. Glumac. 2: 34 (1854) –**P** [N, M]
- Eleocharis caduca* (Delile) Schult., Mant. 2: 88 (1824) –**P** [N, O, S]
- Eleocharis geniculata* (L.) Roem. & Schult., Syst. Veg. ed. 15 [bis]. 2: 150 (1817) –**A**[N, O, M, De]
- Eleocharis palustris* (L.) Roem. & Schult., Syst. Veg. ed. 15 [bis]. 2: 151 (1817).
- subsp. *iranica* Kukkonen, Ann. Bot. Fenn. 32: 156 (1995) –**P** [N, O, M]
- Eleocharis parvula* (Roem. & Schult.) Link ex Bluff, Nees & Schauer, Comp. Fl. German., ed. 2, 1: 93 (1836) –**P** [N, M]
- Eleocharis quinqueflora* (Hartmann) O.Schwarz, Mitt. Thüring Bot. Ges. 1: 89 (1949) –**P** [N]
- Fimbristylis bisumbellata* (Forssk.) Bubani, Dodecanthea: 30 (1850) –**A** [N, GE]
- **Fimbristylis dichotoma* (L.) Vahl, Enum. Pl. Obs. 2: 287 (1805) –**A** [N, M, S]
- Fimbristylis ferruginea* (L.) Vahl, Enum. Pl. Obs. 2: 291 (1805).
- [=*Fimbristylis sieberiana* Kunth, Enum. Pl. 2: 237 (1837)] –**P** [N, O, De]
- Fuirena ciliaris* (L.) Roxb., Fl. Ind. 1: 184 (1820) –**P** [N]
- Fuirena pubescens* (Poir.) Kunth, Enum. Pl. 2: 182 (1837).
- var. *pubescens* –**P**[N, O, M]
- Isolepis setacea* (L.) R.Br., Prodr. Fl. Nov. Holland.: 222 (1810) –**A**[N]
- **Schoenoplectiella articulata* (L.) Lye, Lidia 6: 20 (2003) –**A**[N, O, M]
- Schoenoplectiella corymbosa* (Roth ex Roem. & Schult.) J.R.Starr & Jim.Mejías, J. Syst. Evol. 59: 827 (2021).
- [=*Schoenoplectus corymbosus* (Roth ex Roem. & Schult.) J.Raynal in B.Peyre de Fabregues & J.P.Lebrun, Cat. Pl. Vasc. Niger: 343 (1976)] –**P** [N, O, M]
- Schoenoplectiella mucronata* (L.) J.Jung & H.K.Choi, J. Pl. Biol. 53(3): 230 (2010).
- [=*Schoenoplectus mucronatus* (L.) Palla, Bot. Jahrb. Syst. 10: 299 (1888)] –**P**[N]
- Schoenoplectiella praelongata* (Poir.) Lye, Lidia 6: 26 (2003).
- [=*Schoenoplectus praelongatus* (Poir.) J.Raynal, Adansonia, n.s., 16: 148 (1976)] –**A**[N, O]
- **Schoenoplectiella senegalensis* (Steud.) Lye, Lidia 6: 27 (2003) –**A/P** [O (Bahariya)]
- Schoenoplectiella supina* (L.) Lye, Lidia 6: 27 (2003).
- [=*Schoenoplectus supinus* (L.) Palla, Bot. Jahrb. Syst. 10: 299 (1888)] –**A**[N, O, M]
- Schoenoplectus subulatus* (Vahl) Lye, Bot. Not. 124: 290 (1971).
- [=*Schoenoplectus litoralis* subsp. *thermalis* (Trab.) S.S.Hooper in C.J.Saldanha & D.H.Nicolson, Fl. Hassan Distr.: 698 (1976)] –**P** [N, O, M, De, S]
- Schoenoplectus triqueter* (L.) Palla, Bot. Jahrb. Syst. 10 (4): 299 (1888) –**P** [M]
- Schoenus nigricans* L., Sp. Pl., ed. 1, 1: 43 (1753) –**P** [S]
- Scirpoides holoschoenus* (L.) Soják, Čas. Nár. Mus., Odd. Přír. 140: 127 (1972).
- subsp. *holoschoenus*
[=subsp. *australis* (L.) Soják, Čas. Nár. Mus., Odd. Přír. 141: 61 (1972)] –**P**[N, O, M, GE, S]

33. POACEAE (99 genera, 279 taxa)

Achnatherum parviflorum (Desf.) M.Nobis, Ann. Missouri Bot. Gard. 105: 39 (2020).

subsp. parviflorum

[=*Stipa parviflora* Desf., Fl. Atlant. 1: 98, t. 29 (1798)] –**P**[?O, M, De, S]

*subsp. *sinaicum* (Chrtek & Martinovsky) Shamso & Hosni, Sjdfs 13(3): 5 (2023) –**P** [S]

Acrachne racemosa (B.Heyne ex Roth) Ohwi, Bull. Tokyo Sci. Mus. 18: 1 (1947) –**A** [N]

Aegilops bicornis (Forssk.) Jaub. & Spach, Ill. Pl. Orient. 4:11, t. 309 (1851) –**A** [N, M, De, S]

Aegilops crassa Boiss. ex Hohen., Exsicc. (Pl. Pers. Austr.) 1842: n.° 248 (1845) –**A** [S]

Aegilops geniculata Roth, Bot. Abh. Beobacht.: 45 (1787) –**A** [M, De, S]

Aegilops kotschy Boiss., Diagn. Pl. Orient., ser. 1, 7: 129 (1846) –**A** [O, M, S]

Aegilops longissima Schweinf. & Muschl. in R.C.Muschler, Man. Fl. Egypt 1: 156 (1912) –**A****NE**

[M, ?S]

Aegilops peregrina (Hack.) Make & Weiller, Fl. Afrique N. 3: 358 (1955) –**A** [M, S]

Aegilops triuncialis* L., Sp. Pl., ed. 1, 2: 1051 (1753) –A** [S]

Aegilops ventricosa Tausch, Flora 20: 108 (1837) –**A** [M, S]

Aeluropus lagopoides (L.) Thwaites, Enum. Pl. Zeyl.: 374 (1864) –**P** [N, O, M, D, R, Ge, S]

Aeluropus littoralis (Gouan) Parl., Fl. Ital. 1: 461 (1850) –**P**[R, S]

Agropyron cristatum (L.) Gaertn., Novi Comment. Acad. Sci. Imp. Petrop. 14 (1): 540 (1770) –

P[M]

Agrostis stolonifera L., Sp. Pl., ed. 1, 1: 62 (1753) –**P**[De, S]

Alopecurus myosuroides Huds., Fl. Angl.: 23 (1762) –**A** [N, M, De, S]

Ammochloa palaestina Boiss., Diagn. Pl. Orient., ser. 1, 13: 52 (1854) –**A** [N, M, ?S]

Andropogon distachyos L., Sp. Pl., ed. 1, 2: 1046 (1753) –**P**[S]

Aristida adscensionis L., Sp. Pl., ed. 1, 1: 82 (1753) –**A**/**P**[N, O, D, R, GE, S]

Aristida funiculata Trin. & Rupr., Sp. Gram. Stipac.: 159 (1842) –**A** [N, O (Uweinat), M, De, R,

GE, S]

Aristida mutabilis Trin. & Rupr., Sp. Gram. Stipac.: 150 (1842) –**A** [N, O (Uweinat), M, De, R,

GE, S]

Arundo donax L., Sp. Pl., ed. 1, 1: 81 (1753) –**P** [N, O, M, D, S]

Avena barbata Pott ex Link, J. Bot. (Schrader) 2: 314-315 (1800).

[=subsp. *barbata*] –**A** [N, O, M, D, S]

Avena fatua L., Sp. Pl., ed. 1, 1: 80 (1753) –**A**[N, O, M, D, S]

Avena longiglumis Durieu, Rev. Bot. Receuil Mens. 1: 359 (1845) –**A** [N, M]

Avena sativa L., Sp. Pl., ed. 1, 1: 79 (1753) –**A** [N, O, M, D, S]

Avena sterilis L., Sp. Pl., ed. 2: 118 (1762).

subsp. *ludoviciana* (Durieu) Nyman, Conspect. Fl. Eur.: 809 (1882).

[=subsp. *ludoviciana* (Durieu) Gillet & Magne, Nouv. Fl. Franç., ed. 3: 352 (1873)] –**A** [N, O, M,

D, S]

subsp. *sterilis* –**A**[N, O, M, D, S]

Avena wiestii Steud., Syn. Pl. Glumac. 1: 231 (1854). [=*Avena barbata* subsp. *wiestii* (Steud.)

Mansf., Kulturpflanze, Beih. 2: 479 (1959)] –**A** [N, O, M, D, S]

Brachypodium distachyon (L.) P.Beauv. Ess. Agrostogr.: 101, 155, 156 (1812) –**A** [N, O, M, De,

GE, S]

Briza minor L., Sp. Pl., ed. 1, 1: 70 (1753) –**A** [N, M]

Bromus aegyptiacus Tausch, Flora 20 (1): 124 (1837) –**A****E** [N, ?M, ?De]

Bromus alopecuroides Poir., Voy. Barbarie 2: 100 (1789) –**A**[N]

Bromus catharticus Vahl, Symb. Bot. 2: 22 (1791) –**P**[N, O, M, De, S]

Bromus danthoniae Trin. in C.A.Mey., Verz. Pfl. Casp. Meer.: 24 (1831) –**A** [S]

Bromus diandrus Roth, Bot. Abh. Beobacht.: 44 (1787).

[=var. *diandrus*] –**A** [N, O, M, De, S]

Bromus fasciculatus C.Presl, Gram. Sicul.: 23 (1818) –**A** [N, M, D, R, GE, S]

- Bromus hordeaceus* L., Sp. Pl., ed. 1, 1: 77 (1753)
 subsp. *hordeaceus* –**A** [N]
Bromus inermis Leyss., Fl. Halens.: 16 (1761) –**P**[N]
Bromus japonicus Houtt., Nat. Hist. 2(13): 315 (1782). subsp. *japonicus*
 [=*Bromus japonicus* Thunb. in J.A.Murray, Syst. Veg. ed. 14: 119 (1784)] –**A** [M, De, S]
Bromus lanceolatus Roth, Catal. Bot. 1: 18 (1797) –**A** [N]
Bromus madritensis L., Cent. Pl. 1: 5 (1755) –**A** [N, M, De, S]
Bromus moeszii Péntes, Magyar Bot. Lapok 33: 24 (1934).
 [=*Bromus tectorum* subsp. *lucidus* Sales, Fl. Veg. Mundi 9: 32 (1991)] –**A**[M, S]
Bromus pectinatus Thunb., Prodr. Pl. Cap. 1: 22 (1794) –**A** [R, GE, S]
Bromus pulchellus Figure & De Not., Mem. Reale Accad. Sci. Torino, ser. 2, 12: 260 (1852) –**A**
 [S]
Bromus pumilio (Trin.) P.M.Sm., Feddes Repert. Spec. Nov. Regni Veg. 79: 338 (1969).
 [=*Boissiera squarrosa* (Banks & Sol.) Nevski, Trudy Sredne-Aziatsk. Gosud. Univ., ser. 8b, Bot. 17: 30 (1934)] –**A** [N, De, S]
Bromus rigidus Roth, Bot. Mag. (Römer & Usteri) 4(10): 21 (1790).
 [=*Bromus diandrus* var. *rigidus* (Roth) Sales, Edinb. J. Bot. 50: 9 (1993)] –**A** [N, O, M, D, S]
Bromus rubens L., Cent. Pl. 1: 5 (1755).
 subsp. *rubens* –**A** [N, O, M, Dw, S]
Bromus scoparius L., Cent. Pl. 1: 6 (1755) –**A** [N, M, De, S]
Bromus sterilis L., Sp. Pl., ed. 1, 1: 77 (1753) –**A** [N]
Bromus tectorum L., Sp. Pl., ed. 1, 1: 77 (1753).
 [=subsp. *tectorum*] –**A** [M, GE, S]
Calamagrostis arenaria (L.) Roth, Tent. Fl. Germ. 1: 34 (1788).
 [=*Ammophila arenaria* (L.) Link, Hort. Berol. 1: 105 (1827)]
 *subsp. *australis* (Mabille) Asch. & Graebn., Syn. Mitteleur. Fl. 2(1): 221 (1899) –**P** [M, S]
Catapodium rigidum (L.) C.E.Hubb. in J.G.Dony, Fl. Bedfordshire: 437 (1953)
 subsp. *rigidum* –**A** [M, S]
Cenchrus americanus (L.) Morrone, Ann. Bot. (Oxford) 106: 127 (2010).
 [=*Pennisetum glaucum* (L.) R.Br., Prodr. Fl. Nov. Holland.: 195 (1810)] –**A** [N, O, D, R, GE]
Cenchrus biflorus Roxb., Fl. Ind. 1: 238 (1820) –**A** [N, M, De, S]
Cenchrus ciliaris L., Mant. Pl. 2: 302 (1771) –**P**[N, M, D, R, GE, S]
Cenchrus divisus (J.F.Gmel.) Verloove, Govaerts & Buttler, Phytotaxa 181: 59 (2014).
 [=*Pennisetum divisum* (J.F.Gmel.) Henrard, Blumea 3: 162 (1938)] –**P** [N, O, M, D, R, S]
Cenchrus echinatus L., Sp. Pl., ed. 1, 2: 1050 (1753) –**A** [N]
Cenchrus longisetus M.C.Johnst., Sida 1: 182 (1963).
 [=*Pennisetum villosum* R.Br. ex Fresen., Mus. Senckenberg. 2: 134 (1837)] –**P** [N, M]
Cenchrus orientalis (Rich.) Morrone, Ann. Bot. (Oxford) 106: 128 (2010).
 [=*Pennisetum orientale* Rich. in C.H.Persoon, Syn. Pl. 1: 72 (1805)] –**P** [De, S]
Cenchrus pennisetiformis Steud., Syn. Pl. Glumac. 1 (2): 109 (1854) –**A**/**P** [N, O, M, De, R, GE, S]
Cenchrus setaceus (Forssk.) Morrone, Ann. Bot. (Oxford) 106: 129 (2010).
 [=*Pennisetum setaceum* (Forssk.) Chiov., Bull. Soc. Bot. Ital. 1923: 113 (1923)] –**P** [N, M, De, GE, S]
Cenchrus setigerus Vahl, Enum. Pl. Obs. 2: 395 (1806) –**P** [O, De, R, GE]
Cenchrus sieberianus (Schltdl.) Verloove, Willdenowia 42(1): 78 (2012).
 [=*Pennisetum sieberianum* (Schltdl.) Stapf & C.E.Hubb., Bull. Misc. Inform. Kew 1933: 270 (1933)]
 –**A**
 [N, O, De, GE]
Cenchrus violaceus (Lam.) Morrone, Ann. Bot. (Oxford) 106: 130 (2010).
 [=*Pennisetum violaceum* (Lam.) Rich. in C.H.Persoon, Syn. Pl. 1: 72 (1805)] –**A** [N]
Centropodia forskaolii (Vahl) Cope, Kew Bull. 37: 658 (1983).
 subsp. *forskaolii* –**P** [N, O, M, D, R, GE, S]

- Centropodia fragilis* (Guinet & Sauvage) Cope, Kew Bull. 37: 658 (1983) –**P** [De, S]
Chloris flagellifera (Nees) P.M.Peterson, Taxon 64 (3): 458 (2015).
 [= *Ochthochloa compressa* (Forssk.) Hilu, Kew Bull. 36 (3): 560 (1981)] –**P** [R, ?GE]
Chloris gayana Kunth, Révis. Gramin. 1: 89 (1829) –**P** [N, O, M]
Chloris pycnothrix Trin., Gram. Unifl. Sesquifl.: 234 (1824) –**A** [N]
Chloris virgata Sw., Fl. Ind. Occid. 1: 203 (1797) –**A** [N, O, M, GE]
Chrysopogon plumulosus Hochst., Jahresh. Vereins Vaterl. Naturk. Württemberg 3: 62 (1847) –
P [GE]
Coelachyrum brevifolium Hochst. & Nees, Linnaea 16: 221 (1842) –**A**[N, De, R, GE]
 Corynephorus articulatus* (Desf.) P.Beauv., Ess. Agrostogr.: 90 (1812) –A**[M, S]
Corynephorus divaricatus (Pourr.) Breistr., Procès-Verbaux Soc. Dauphin. Études Biol., Bio-Club, sér. 3, 17: 3 (1950) –**A** [M, S]
Crithopsis delileana (Schult.) Roshev, Zlaki 319 (1937) –**A**[M]
Cutandia dichotoma (Forssk.) Trab. in J.A.Battandier & L.C.Trabut, Fl. Algérie, Monocot.: 237 (1895) –**A** [N, M, De, S]
Cutandia maritima (L.) Barbey, Fl. Sard. Comp. 72 (1885) –**A**[M, De, S]
Cutandia memphitica (Spreng.) K.Richt., Pl. Eur. 1: 77 (1889).
 [= *Cutandia memphitica* (Spreng.) Benth., J. Linn. Soc. Bot. 19: 118 (1881)] –**A**[N, O, M, D, R, GE, S]
Cymbopogon schoenanthus (L.) Spreng., Pl. Min. Cogn. Pug. 2: 15 (1815).
 subsp. *proximus* (Hochst. ex A.Rich.) Maire & Weiller, Fl. Afrique N. 1: 287 (1952) –**P**[De, GE, S]
 subsp. *schoenanthus* –**P** [De, GE, S]
Cynodon dactylon (L.) Pers., Syn. Pl. 1: 85 (1805) –**P** [N, O, M, D, R, GE, S]
Cynosurus coloratus Lehm. ex Steud. in C.G.D.Nees von Esenbeck, Fl. Afr. Austral. Ill.: 439 (1841) –**A** [N, M]
Cynosurus echinatus L., Sp. Pl., ed. 1, 1: 72 (1753) –**A** [M]
Dactylis glomerata L., Sp. Pl., ed. 1, 1: 71 (1753).
 subsp. *glomerata* –**P** [N, M]
 *subsp. *hispanica* (Roth) Nyman, Consp. Fl. Eur.: 819 (1882) –**P**[M]
Dactyloctenium aegyptium (L.) Willd., Enum. Pl. Hort. Berol.: 1029 (1809) –**A** [N, O, M, D, S]
Dactyloctenium aristatum Link, Hort. Berol. 1: 59 (1827) –**A** [R, GE]
Dactyloctenium scindicum Boiss., Diagn. Pl. Orient., ser. 2, 4: 131 (1859) –**P**[N, O, M, D, R, GE, S]
Danthoniopsis barbata (Nees) C.E.Hubb., Bull. Misc. Inform, Kew 1934: 435 (1934) –**P**[De, GE, S]
Desmazeria philistaea (Boiss.) H.Scholz, Willdenowia 6: 291 (1971).
 [=subsp. *rohlfsiana* (Coss.) H.Scholz, Willdenowia 6: 291 (1971)] –**A** [M]
Desmostachya bipinnata (L.) Stapf in W.H.Harvey & auct. suc., Fl. Cap. 7(4): 632 (1900) –**P** [N, O, M, D, S]
Dichanthium annulatum (Forssk.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 178 (1917) –
P[N, O, M, D, S]
Dichanthium foveolatum (Delile) Roberty, Boissiera 9: 163 (1960) –**P** [N, D, R, GE, S]
Digitaria ciliaris (Retz.) Koeler, Descr. Gramin.: 27 (1802) –**A**[N, O, M, D, R, GE, S]
Digitaria nodosa Parl., Pl. Nov.: 39 (1842) –**P**[GE]
Digitaria sanguinalis (L.) Scop., Fl. Carniol., ed. 2, 1: 52 (1771) –**A** [N, O, M, D, R, S]
Digitaria velutina (Forssk.) P.Beauv., Ess. Agrostogr.: 51 (1812) –**A** [GE]
Digitaria violascens Link, Hort. Berol. 1: 229 (1827) –**A** [N]
Dinebra panicea (Retz.) P.M.Peterson & N.Snow, Ann. Bot. (Oxford) 109: 1326 (2012)
 subsp. *panicea*
 [= *Leptochloa panicea* (Retz.) Ohwi, Bot. Mag. (Tokyo) 55: 311 (1941)] –**A**[N]
Dinebra retroflexa (Vahl) Panz., Ideen Rev. Gräser: 20 (1813)
 var. *retroflexa*

- [=*Dinebra retroflexa* (Vahl) Panz., Denkschr. Königl. Akad. Wiss. München 1813: 270, t. 12 (1814)] –**A** [N, O, M, Dw, R, GE, S]
Diplachne fusca (L.) P.Beauv. ex Roem. & Schult., Syst. Veg. ed. 15 [bis]. 2: 615 (1817).
 subsp. *fusca*
 [= *Leptochloa fusca* (L.) Kunth, Révis. Gramin. 1: 91 (1829)] –**P** [N, O, M, D, R, GE, S]
Echinochloa colonum (L.) Link, Hort. Berol. 2: 209 (1833).
 subsp. *colonum* –**A** [N, O, M, D, R, GE, S]
Echinochloa crus-galli (L.) P.Beauv., Ess. Agrostogr.: 53, 161 (1812).
 subsp. *crus-galli* –**A** [N, O, M, D, S]
Echinochloa pyramidalis (Lam.) Hitchc. & Chase, Contr. U.S. Natl. Herb. 18: 345 (1917) –**P** [N]
Echinochloa stagnina (Retz.) P.Beauv., Ess. Agrostogr.: 161 (1812) –**P/A** [N, O, M, De]
Ehrharta calycina Sm., Pl. Icon. Ined.: t. 33 (1789) –**P** [M (Ras el-Hekma)]
Eleusine coracana (L.) Gaertn., Fruct. Sem. Pl. 1: 8, t.1, 11 (1788)
 subsp. *africana* (Kenn. -O'Byrne) Hilu & de Wet, Phytologia 76: 411 (1994)
 [= *Eleusine africana* Kenne-O'Byrne, Kew Bull. 12 (1): 65 (1957)] –**A** [N, O, M, R, S]
 subsp. *coracana* –**A** [N, M]
Eleusine floccifolia Spreng., Syst. Veg., ed. 16. 1: 350 (1824) –**P** [N]
Eleusine indica (L.) Gaertn., Fruct. Sem. Pl. 1: 8 (1788) –**A** [N, O, M, S]
Elionurus royleanus Nees ex A.Rich., Tent. Fl. Abyss. 2: 474 (1850) –**A** [N, De, R, GE]
Enneapogon desvauxii P.Beauv., Ess. Agrostogr.: 82 (1812) –**P/A** [De, R, GE, S]
Enneapogon lophotrichus Chios. ex H.Scholz & P.König, Willdenowia 13(2): 396 (1983 publ. 1984) –**A** [GE]
Enneapogon persicus Boiss., Diagn. Pl. Orient, ser. 1, 5: 71 (1844) –**P** [N, GE]
Enneapogon scaber Lehm., Nov. Stirp. Pug. 3: 41 (1831) –**P** [GE]
Enteropogon prieurii (Kunth) Clayton, Kew Bull. 37(2): 419 (1982) –**A** [N, De, R, GE]
Eragrostis aegyptiaca (Willd.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 157 (1813).
 [=subsp. *aegyptiaca*] –**A** [N, M, D, GE, S]
 [=subsp. *humifusa* H.Scholz, Willdenowia 26: 231 (1996)] –**A** [?Egypt]
Eragrostis aspera (Jacq.) Nees, Fl. Afr. Austral. Ill. 1: 408 (1841) –**A** [N, GE]
Eragrostis barrelieri Daveau, J. Bot. (Morot) 8: 289 (1894) –**A** [N, O, M, D, R, GE, S]
Eragrostis cilianensis (All.) Vignolo ex Janch., Mitt. Naturwiss. Vereins Univ. Wien 5 (9): 110 (1907) –**A**
 [N, O, M, D, R, GE, S]
Eragrostis ciliaris (L.) R.Br. in J.H.Tuckey, Narr. Exped. Zaire: 478 (1818) –**A** [De, R, GE]
Eragrostis japonica (Thunb.) Trin., Mém. Acad. Imp. Sci. St.-Petersbourg, sér. 6, Sci. Math. 1: 405 (1830) –**A/P** [N, S]
Eragrostis lepida (A.Rich.) Hochst, ex Steud., Syn. Pl. Glumac. 1: 269 (1854) –**A** [GE]
Eragrostis minor Host, Fl. Austriaca 1: 135 (1827) –**A** [N, O, De, S]
Eragrostis multiflora Trin., Mém. Acad. Imp. Sci. St.-Petersbourg, Sér. 6, Sci. Math. 1: 401 (1830)
 [= *Eragrostis tremula* Hochst. ex Steud., Syn. Pl. Glumac. 1: 269 (1854)] –**A/P** [N]
 Eragrostis nitida* Link, Hort. Berol. 1: 193 (1827) –P** [N]
Eragrostis pilosa (L.) P.Beauv., Ess. Agrostogr.: 71 (1812) –**A** [N, O, M, D, GE, S]
Eragrostis sarmentosa (Thunb.) Trin., Mém. Acad. Imp. Sci. St.-Petersbourg, Sér. 6, Sci. Math. 1: 398 (1830) –**P** [M]
Eragrostis tef (Zuccagni) Trotter, Bull. Soc. Bot. Ital. 1918: 62 (1918) –**A** [N, O]
 Eragrostis tenella* (L.) P.Beauv. ex Roem. & Schult., Syst. Veg., ed. 15 [bis]. 2: 576 (1817) –A** [GE]
Eragrostis tenuifolia (A.Rich.) Hochst, ex Steud., Syn. Pl. Glumac 1: 268 (1854) –**P** [N]
Eragrostis viscosa (Retz.) Trin., Mém. Acad. Imp. Sci. St.-Petersbourg, Sér. 6, Sci. Math. 1: 397 (1830).

- [=*Eragrostis amabilis* (L.) Hook. & Arn., Bot. Beechey Voy.: 251 (1846)] –**A** [GE]
Eremopyrum bonaepartis (Spreng.) Nevski, Trudy Bot. Inst. Akad. Nauk S.S.S.R., Ser. 1, Fl. Sist. Vyssh. Rast. 1: 18 (1933).
 [= *Eremopyrum bonaepartis* (Spreng.) Nevski, Kom., Fl. URSS 2: 663 (1934)] –**A** [S]
Eremopyrum distans (K.Koch) Nevski, Trudy Bot. Inst. Akad. Nauk S.S.S.R., Ser. 1, Fl. Sist. Vyssh. Rast. 1: 18 (1933).
 [= *Eremopyrum distans* (K. Koch.) Nevski, Kom., Fl. URSS 2: 663 (1934)] –**A**[S]
Festuca brevis (Boiss. & Kotschy) Asch., Schweinf. & Muschl. in R.C.Muschler, Man. Fl. Egypt 1: 138 (1912).
 [= *Vulpia brevis* Boiss. & Kotschy in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 4: 139 (1859)] –**A** [N, M, De]
Festuca bromoides L., Sp. Pl., ed. 1, 1: 75 (1753).
 [= *Vulpia bromoides* (L.) Gray, Nat. Arr. Brit. Pl. 2: 124 (1821)] –**A** [?M, ?S]
Festuca fasciculata Forssk., Fl. Aegypt.-Arab.: 22 (1775).
 [= *Vulpia fasciculata* (Forssk.) Fritsch, Excursionsfl. Oesterreich, ed. 2: 74, 692 (1909)] –**A** [N, M, S]
 Festuca membranacea* (L.) Druce, Ann. Scott. Nat. Hist. 1906: 229 (1906) –A** [M, S]
Festuca myuros L., Sp. Pl., ed. 1, 1: 74 (1753).
 [= *Vulpia myuros* (L.) C.C.Gmel., Fl. Bad. 1: 8 (1805)] –**A** [M, S]
Festuca pectinella Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): t. 63, f. 2 (1813).
 [= *Vulpia pectinella* (Delile) Boiss., Fl. Orient. 5: 631 (1884)] –**A**[N, M, De, S]
 Festuca pinifolia* (Hack. ex Boiss.) Bornm., Verh. K. K. Zool.-Bot. Ges. Wien 48: 649 (1898) –P** [S]
Gastridium phleoides (Nees & Meyen) C.E.Hubb., Kew Bull. 9 (2): 375 (1954) –**A** [M]
Halopyrum mucronatum (L.) Stapf in Hooker's Icon. Pl. 25: t. 2448 (1896) –**P** [R, GE]
Hemarthria altissima (Poir.) Stapf & C.E.Hubb., Bull. Misc. Inform. Kew 1934: 109 (1934) –**P** [N, M]
Holcus annuus Salzmann ex C.A.Mey., Verz. Pfl. Casp. Meer.: 17 (1831)
 subsp. *annuus* –**A** [N, M]
 *subsp. *setiglumis* (Boiss. & Reut.) M.Seq. & Castrov., Acta Bot. Malac. 31: 236 (2006) –**A** [N]
Hordeum marinum Huds., Fl. Angl., ed. 2, 1: 57 (1778).
 subsp. *gussoneanum* (Parl.) Thell., Vierteljahrsschr. Naturf. Ges. Zürich 52: 441 (1908) –**A**[N, M]
 subsp. *marinum* –**A** [N, O, M, Dw, GE, S]
Hordeum murinum L., Sp. Pl., ed. 1, 1: 85 (1753).
 subsp. *glaucum* (Steud.) Tzvelev, Novosti Sist. Vyssh. Rast. 8: 67(1971) –**A** [N, O, M, D, S]
 subsp. *leporinum* (Link) Arcang., Comp. Fl. Ital. 805 (1882) –**A** [N, O, M, D, S]
Hordeum vulgare L., Sp. Pl., ed. 1, 1: 84 (1753)
 subsp. *spontaneum* (K.Koch) Asch. & Graebn., Syn. Mitteleur. Fl. 2 (1): 723 (1900).
 [= *Hordeum spontaneum* K.Koch, Linnaea 21: 430 (1848)] –**A** [M, S]
 subsp. *vulgare* –**A** [N, M, D, S]
Hyparrhenia hirta (L.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 315 (1919) –**P** [N, M, De, R, GE, S]
Imperata cylindrica (L.) Raeusch, Nomencl. Bot. Pl. Illustr., ed. 3: 10 (1797) –**P** [N, O, M, D, R, S]
Janochloa antidotalis (Retz.) Zuloaga & Delfini, Plants (Basel) 12 (4)-749: 9 (2023).

[=*Panicum antidotale* Retz., Observ. Bot. 4: 17 (1786)] –**P**[N, M, R, S]

Lagurus ovatus L., Sp. Pl., ed. 1, 1: 81 (1753) –**A**[M]

Lamarckia aurea (L.) Moench, Methodus: 201 (1794) –**A** [N, M, ?De, S]

Lasiurus scindicus Henrard, Blumea 4: 514 (1941) –**P** [N, M, D, R, GE, S]

Leersia hexandra Sw., Prodr. Veg. Ind. Occ.: 21 (1788) –**P** [N, O, M]

Leptothrium senegalense (Kunth) Clayton, Kew Bull. 27: 151 (1972) –**P** [De, R, GE]

Lolium arundinaceum (Schreb.) Darbysh., Novon 3 (3): 241 (1993).

subsp. *arundinaceum*

[=*Festuca arundinacea* Schreb., Spic. Fl. Lips.: 57 (1771)] –**P** [N, M]

Lolium multiflorum Lam., Fl. Franç. 3: 621 (1779) –**A/B/P** [N, O, M, ?D, R, S]

Lolium perenne L., Sp. Pl., ed. 1, 1: 83 (1753) –**P** [N, O, M, ?D, ?S]

Lolium rigidum Gaudin, Agrost. Helv. 1: 334 (1811) –**A** [N, O, M, ?D, ?S]

Lolium temulentum L., Sp. Pl., ed. 1, 1: 83 (1753) –**A** [N, O, M, Dw, ?S]

Lygeum spartum Loefl. ex L., Gen. Pl., ed. 5: 522 (1754) –**P**[M, ?S]

Melanocenchris abyssinica (R.Br. ex Fresen.) Hochst., Flora 38: 274 (1855) –**A** [De, GE, S]

Melica inaequiglumis Boiss., Diagn. Pl. Orient., ser. 1, 7: 124 (1846).

[=*Melica persica* subsp. *inaequiglumis* (Boiss.) Bor, Fl. Iranica 70: 225 (1970)] –**P**[S]

Melica persica Kunth, Révis. Gramin. 1: 351 (1830).

[=*Melica persica* subsp. *canescens* (Regel) P.H. Davis, Fl. Turkey 9: 534 (1985)] –**P** [Upper Egypt,

S]

Melinis minutiflora P.Beauv., Ess. Agrostogr.: 54 (1812) –**P**[N]

Melinis repens (Willd.) Zizka, Biblioth. Bot. 38 (138): 55 (1988).

subsp. *grandiflora* (Hochst.) Zizka, Biblioth. Bot. 38(138): 60 (1988) –**A/P** [N] subsp. *repens* –

A/P [N]

Moorochloa eruciformis (Sm.) Veldkamp, Reinwardtia 12: 139 (2004).

[=*Brachiaria eruciformis* (Sm.) Griseb. in C.F.von Ledebour, Fl. Ross. 4: 469 (1853)] –**A** [N, O, S]

Oloptum miliaceum (L.) Röser & Hamasha, Pl. Syst. Evol. 298: 365 (2012).

[=*Oryzopsis miliacea* (L.) Asch. & Schweinf., Mém. Inst. Égypt. 2: 169 (1887)] –**P** [N, M, De, S]

Panicum coloratum L., Mant. Pl. 1: 30 (1767) –**P** [N, O, M, De, S]

Panicum hygrocharis Steud., Syn. Pl. Glumac. 1 (1): 72 (1853) –**P** [N, M]

Panicum miliaceum L., Sp. Pl., ed. 1, 1: 58 (1753) –**A** [N, M]

Panicum repens L., Sp. Pl., ed. 2: 87 (1762) –**P** [N, O, M, De, S]

Panicum turgidum Forssk., Fl. Aegypt-Arab.: 18 (1775) –**P**[N, O, M, D, R, GE, S]

Parapholis filiformis (Roth) C.E.Hubb., Blumea, suppl. 3:14 (1946) –**A** [N, ?M]

Parapholis incurva (L.) C.E.Hubb., Blumea, suppl. 3: 14 (1946) –**A**[N, O, M, S]

Parapholis marginata Runemark, Bot. Not. 115: 8, 14 (1962) –**A** [N, O, M, De]

Paspalum dilatatum Poir. in J.B.A.M.de Lamarck, Encycl. 5: 35 (1804) –**P** [N, S]

Paspalum distichum L., Syst. Nat., ed. 10, 2: 855 (1759) –**P** [N, O, M, S]

Paspalum racemosum Lam., Tab. Encycl. 1: 176 (1791) –**A**[N]

Paspalum vaginatum* Sw., Prodr. Veg. Ind. Occ.: 21 (1788) –P** [N, M]

Phalaris aquatica L., Cent. Pl. 1: 4 (1755) –**P** [M (Ras-el-Hekma)]

Phalaris arundinacea L., Sp. Pl., ed. 1, 1: 55 (1753)

[=var. *picta* L., Sp. Pl. ed. 1, 1: 55 (1753)] –**P** [N]

Phalaris canariensis L., Sp. Pl., ed. 1, 1: 54 (1753) –**A** [N, M]

- Phalaris coerulescens* Desf., Fl. Atlant. 1: 56 (1798) –**P** [S]
- Phalaris minor* Retz., Observ. Bot. 3: 8 (1783) –**A**[N, O, M, D, S]
- Phalaris paradoxa* L., Sp. Pl., ed. 2: 1665 (1763) –**A**[N, O, M, D, S]
- Phleum subulatum* (Savi) Asch. & Graebn., Syn. Mitteleur. Fl. 2 (1): 154 (1899) –**A**[?S]
- Phragmites australis* (Cav.) Trin. ex Steud., Nomencl. Bot., ed. 2, 2: 324 (1841).
subsp. *australis* –**P**[N, O, M, D, R, S]
subsp. *isiacus* (Arcang.) ined.
[=subsp. *altissimus* (Benth.) Clayton, Taxon 17: 169 (1968)] –**P** [N, M, D]
- Phragmites mauritianus* Kunth, Révis. Gramin. 1: 80 (1829) –**P** [N]
- Piptatherum holciforme* (M.Bieb.) Roem. & Schult., Syst. Veg., ed. 15 [bis]. 2: 328 (1817).
[=Oryzopsis holciformis (M.Bieb.) Hack., Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 50 (2): 8 (1885)] –**P** [S]
- Poa annua* L., Sp. Pl., ed. 1, 1: 68 (1753) –**A/P** [N, O, M, De, S]
- Poa diaphora* Trin., Bull. Sci. Acad. Imp. Sci. Saint-Pétersbourg 1: 69 (1836). var. *diaphora*
[=Eremopoa altaica (Trin.) Roshev. in V.L.Komarov, Fl. URSS 2: 431 (1934)] –**A** [N, S]
*var. *songarica* (Schrenk) Soreng, Cabi & L.J.Gillespie, PhytoKeys 111: 85 (2018) –**A**[S]
- Poa infirma* Kunth in F.W.H.von Humboldt, A.J.A.Bonpland & C.S.Kunth, Nov. Gen. Sp. 1: 158 (1816) –**A**
[N, M, De, S]
- Poa persica* Trin., Mém. Acad. Imp. Sci. St.-Pétersbourg, Sér. 6, Sci. Math. 1: 373 (1830).
[=Eremopoa persica (Trin.) Roshev. in V.L.Komarov, Fl. URSS 2: 430 (1934)] –**A** [M, De, S]
- Poa sinaica* Steud., Syn. Pl. Glumac. 1: 256 (1854) –**P** [De, S]
- Polypogon maritimus* Willd., Neue Schriften Ges. Naturf. Freunde Berlin 3: 442 (1801) –**A**[N, O, M, De, R, S]
- Polypogon monspeliensis* (L.) Desf., Fl. Atlant. 1: 66 (1798) –**A** [N, O, M, D, R, S]
- Polypogon viridis* (Gouan) Breistr., Bull. Soc. Bot. France 110 (Sess. Extraord.): 56 (1966) –**P** [N, O, M, D, R, S]
- Rostraria cristata* (L.) Tzvelev, Novosti Sist. Vyssh. Rast. 7:47 (1971) –**A** [N, O, M, D, S]
- Rostraria hispida* (Savi) Dogan, Notes Roy. Bot. Gard. Edinburgh 40: 509 (1983) –**A** [?M]
- Rostraria obtusiflora* (Boiss.) Holub, Folia Geobot. Phytotax. 9: 271 (1974) –**A**[M, S]
- Rostraria pumila* (Desf.) Tzvelev, Novosti Sist. Vyssh. Rast. 7: 48 (1971).
subsp. *pumila* –**A**[N, M, D, R, GE, S]
*var. *glabrescens* (Täckh.) Hosni, Taekholmia 11: 61 (1988) –**A** E [S]
- Rostraria rohlfsii* (Asch.) Holub, Folia Geobot. Phytotax. 9: 272 (1974) –**A** [O (Bahariya)]
- Saccharum spontaneum* L., Mant. Pl. 2: 183 (1771).
subsp. *aegyptiacum* (Willd.) Hack. in A.L.P.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 6: 115 (1889) –**P** [N, O, M, D, R, S]
subsp. *spontaneum* –**P** [N, M, S]
- Schismus arabicus* Nees, Fl. Afr. Austral. Ill. 1: 422 (1841) –**A** [N, M, D, GE, S]
- Schismus barbatus* (L.) Thell., Bull. Herb. Boissier, sér. 2, 7: 391 (1907) –**A**
[N, O, M, D, R, GE, S]
- Schmidtia pappophoroides* Steud. ex J.A.Schmidt, Beitr. Fl. Cap. Verd. Ins.: 145 (1852) –**P** [O]
- Schoenefeldia gracilis* Kunth, Révis. Gramin. 1: 283, t. 53 (1830) –**A** [N]
- Setaria geminata* (Forssk.) Veldkamp, Blumea 39: 377 (1994).

- [=*Paspalidium geminatum* (Forssk.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 583 (1920)] –**P**
[N, O, M, De, R, S]
Setaria obtusifolia (Delile) Morrone, Syst. Bot. Monogr. 96: 85 (2014).
[=*Paspalidium obtusifolium* (Delile) Simpson, Bull. Minist. Agric. Egypt, Techn. Sci. Serv, 93: 10
(1930)] –**P**
[N, M]
Setaria pumila (Poir.) Roem. & Schult., Syst. Veg., ed. 15 [bis]. 2: 891 (1817) –**A** [N, O, M, GE, S]
Setaria verticillata (L.) P.Beauv., Ess. Agrostogr.: 51 (1812) –**A** [N, O, M, D, R, GE, S]
Setaria viridis (L.) P.Beauv., Ess. Agrostogr.: 51 (1812) –**A** [N, O, M, De, GE, S]
Sorghum bicolor (L.) Moench, Methodus: 207 (1794)
subsp. *verticilliflorum* (Steud.) de Wet ex Wiersema & J.Dahlb., Taxon 56 (3): 944 (2007).
[=*Sorghum arundinaceum* (Desv.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 114 (1917)] –
A/P[?N]
Sorghum halepense (L.) Pers., Syn. Pl. 1: 101 (1805) –**P** [N, O, M]
Sorghum virgatum (Hack.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 111 (1917) –**A** [N, O,
M, De, S]
Sphenopus divaricatus (Gouan) Rchb., Fl. Germ. Excurs.: 45 (1830) –**A** [N, O, M, De, S]
Sphenopus ehrenbergii* Hausskn., Mitth. Thüring. Bot. Vereins, n.f., 13-14: 57 (1899) –A** NE
[M]
Sporobolus aculeatus (L.) P.M.Peterson, Taxon 63(6): 1234 (2014).
[=*Crypsis aculeata* (L.) Aiton, Hort. Kew. 1: 48 (1789)] –**A**[N, M]
Sporobolus alopecuroides (Piller & Mitterp.) P.M.Peterson, Taxon 63 (6): 1234 (2014).
[=*Crypsis alopecuroides* (Piller & Mitterp.) Schrad., Fl. Germ. 1: 167 (1806)] –**A** [N, M, De, S]
Sporobolus ioclados (Nees ex Trin.) Nees, Fl. Afr. Austral. Ill. 1: 161 (1841) –**P** [?D, ?GE]
Sporobolus niliacus (Figure & De Not.) P.M.Peterson, Taxon 63 (6): 1234 (2014).
[=*Crypsis vaginiflora* (Forssk.) Opiz, Naturalientausch 8: 83 (1824)] –**A** [N, O, De]
Sporobolus pungens (Schreb.) Kunth, Révis. Gramin. 1: 68 (1829) –**P** [N, M, Dw, S]
Sporobolus schoenoides (L.) P.M.Peterson, Taxon 63 (6): 1234 (2014).
[=*Crypsis schoenoides* (L.) Lam., Tabl. Encycl. 1: 166, t. 42, 1 (1791)] –**A**[N, O, M, De, R]
Sporobolus spicatus (Vahl) Kunth, Révis. Gramin. 1: 67 (1829) –**P** [N, O, M, D, R, GE, S]
Stipa arabica Trin. & Rupr., Sp. Gram. Stipac.: 77 (1842) –**P** [S]
Stipa lagascae Roem. & Schult., Syst. Veg., ed. 15 [bis]. 2: 333 (1817) –**P** [O, M, De, S]
Stipa letourneuxii* Trab., Bull. Soc. Bot. France 36: 405 (1889) –P** [M, De]
Stipagrostis acutiflora (Trin. & Rupr.) De Winter, Kirkia 3: 133 (1963) –**P** [N, O, D, R, S]
Stipagrostis ciliata (Desf.) De Winter, Kirkia 3: 133 (1963)
*var. *ciliata* –**P** [N, M, D, R, GE, S]
Stipagrostis drarii (Täckh.) De Winter, Kirkia 3: 134 (1963) –**P** [S]
Stipagrostis hirtigluma (Steud. ex Trin. & Rupr.) De Winter, Kirkia 3: 134 (1963) –**A/P** [N, O, D,
R, GE, S]
var. *hirtigluma*
[=*Stipagrostis affinis* H.Scholz, Willdenowia 30: 274 (2000)] –**P** [S]
Stipagrostis lanata (Forssk.) De Winter, Kirkia 3: 135 (1963) –**P**[N, O, M, D, R, S]
Stipagrostis multinerva H.Scholz, Österr. Bot. Z. 117: 289 (1969) –**P** [S]
Stipagrostis obtusa (Delile) Nees, Linnaea 7: 293 (1832) –**P** [N, M, De, S]

- Stipagrostis paradisea* (Edgew.) De Winter, Kirkia 3: 135 (1963) –**P**[N, De]
Stipagrostis plumosa (L.) Munro ex T.Anderson, J. Proc. Linn. Soc., Bot. 5 (Suppl. 1): 40 (1860)
 *var. *brachypoda* (Tausch) Bor, Taxon 16: 467 (1967) –**P** [N, O, M, D, R, GE, S]
 *subsp. *seminuda* (Trin. & Rupr.) H.Scholz, Willdenowia 6: 295 (1971) –**P** [N, O, M, D, R, GE, S]
 Stipagrostis pungens* (Desf.) De Winter, Kirkia 3: 135 (1963) –P** [N, O, Dw]
Stipagrostis raddiana (Savi) De Winter, Kirkia 3: 135 (1963) –**P** [N, O, D, GE, S]
Stipagrostis scoparia (Trin. & Rupr.) De Winter, Kirkia 3: 136 (1963) –**P** [N, O, M, D, S]
Stipagrostis shawii (H.Scholz) H.Scholz, Österr. Bot. Z. 117: 290 (1969) –**A** NE [O (Uweinat)]
Stipagrostis uniplumis (Licht.) De Winter, Kirkia 3: 136 (1963) – **P**[N, De, R, GE, S]
Stipagrostis vulnerans (Trin. & Rupr.) De Winter, Kirkia 3: 136 (1963) –**P** [N, O, D, S]
Stipellula capensis (Thunb.) Röser & Hamasha, Schlechtendalia 24: 92 (2012).
 [= *Stipa capensis* Thunb., Prodr. Pl. Cap.: 19 (1794)] –**A** [N, M, D, R, S]
Taeniatherum caput-medusae (L.) Nevski, Trudy Bot. Inst. Akad. Nauk S.S.S.R., Ser. 1, Fl. Sist. Vyssh. Rast. 1: 22 (1933).
 [= *Taeniatherum caput-medusae* (L.) Nevski, Trudy Sredne-Aziatsk. Gosud. Univ., ser. 8b, Bot. 17: 38 (1934)] –**A** [S]
Tetrapogon cenchriformis (A.Rich.) Clayton, Kew Bull. 16 (2): 250 (1962) –**A/P** [GE]
Tetrapogon villosus Desf., Fl. Atlant. 2: 388 (1799) –**P** [M, De, GE, S]
Themeda triandra Forssk., Fl. Aegypt.-Arab.: 178 (1775) –**P**[N, De]
Thinopyrum elongatum (Host) D.R.Dewey, P.Gustafson (ed.), Gene Manipulat. in Pl. Improv.: 274 (1984).
 [= *Elymus elongatus* (Host) Runemark, Hereditas (Lund) 70: 156 (1972)] –**P** [M, S]
Thinopyrum junceum (L.) Å.Löve, Taxon 29: 351 (1980)
 [= *Elymus farctus* (Viv.) Runemark ex Melderis, Bot. J. Linn. Soc. 76 (4): 382 (1978)] –**P** [M, S]
Tragus berteronianus Schult., Mant. 2: 205 (1824) –**A** [N, De, R, GE]
Tragus racemosus (L.) All., Fl. Pedem. 2: 241 (1785) –**A** [De, R, GE]
Tricholaena teneriffae (L.f.) Link, Handbuch 1: 91 (1829)
 *subsp. *teneriffae* –**P** [De, R, GE, S]
Trichoneura mollis (Kunth) Ekman, Ark. Bot. 11(9): 10 (1912) –**A** [De, R, GE]
Triplachne nitens (Guss.) Link, Hort. Berol. 2: 241 (1833) –**A** [M, S]
Triraphis pumilio R.Br., Narr. Travels Africa, App. XXII: 245 (1826) –**A** [De, R, GE]
Trisetaria glumacea (Boiss.) Maire, Bull. Soc. Hist. Nat. Afrique N. 33: 93 (1942) –**A** [M, D, S]
Trisetaria koelerioides (Bornm. & Hack.) Melderis, Ark. Bot., a.s. 2: 292 (1952) –**A** NE [M, S]
Trisetaria linearis Forssk., Fl. Aegypt.-Arab.: lx, 27 (1775) –**A** [N, M, De, S]
Trisetaria macrochaeta (Boiss.) Maire, Bull. Soc. Hist. Nat. Afrique N. 33: 92 (1942) –**A** [N, M, De, S]
Urochloa deflexa (Schumach.) H.Scholz, Bull. Mus. Natl. Hist. Nat., B, Adansonia 11: 443 (1989).
 [= *Brachiaria deflexa* (Schumach.) C.E.Hubb. ex Robyns, Bull. Jard. Bot. État Bruxelles 9: 181 (1932)] –**A** [N, De, R, GE]
Urochloa leersioides (Hochst.) A.M.Torres & C.M.Morton, Molec. Phylogen. Evol. 37: 42 (2005).

- [= *Brachiaria leersioides* (Hochst.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9 (3): 551 (1919)] –**A**
[De, GE]
Urochloa mutica (Forssk.) T.Q.Nguyen, Novosti Sist. Vyssh. Rast. 3: 13 (1966).
[= *Brachiaria mutica* (Forssk.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 526 (1919)] –**P** [N, M, S]
Urochloa panicoides P.Beauv. Ess. Agrostogr.: 52 (1812) –**A** [N]
Urochloa ramosa (L.) T.Q.Nguyen, Novosti Sist. Vyssh. Rast. 3: 13 (1966).
[= *Brachiaria ramosa* (L.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 542 (1919)] –**A** [De, R, GE]
Urochloa reptans (L.) Stapf in D.Oliver & auct. suc., Fl. Trop. Afr. 9: 601 (1920).
[= *Brachiaria reptans* (L.) C.A.Gardner & C.E.Hubb. in Hooker's Icon. Pl. 34: t. 3363 (1938)] –**A**
[N, M, De]
Vossia cuspidata (Roxb.) Griff., Ic. Pl. Asiat.: t. 153 (1851) –**P** [N]
34. CERATOPHYLLACEAE (1 genus, 2 taxa)
Ceratophyllum demersum L., Sp. Pl., ed. 2: 992 (1753)
var. *demersum* –**P** [N, M, De (along Suez Canal)]
Ceratophyllum muricatum Cham., Linnaea 4 (4): 504 (1829)
subsp. *muricatum* –**P** [N]
35. PAPAVERACEAE [incl. FUMARIACEAE & HYPECOACEAE] (6 genera, 30 taxa)
Argemone mexicana L., Sp. Pl., ed.1, 1: 508 (1753) –**A** [N, De]
Fumaria bracteosa Pomel, Nouv. Mat. Fl. Atl. 2: 239 (1875) –**A** [M, S]
Fumaria capreolata L., Sp. Pl., ed. 1, 2: 701 (1753)
subsp. *capreolata* –**A** [M, S]
Fumaria densiflora DC., Cat. Pl. Hort. Monsp.: 113 (1813) –**A** [N, O, M, De, S]
Fumaria gaillardotii Boiss., Fl. Orient. 1: 139 (1867) –**A** [M, S]
Fumaria judaica Boiss., Diagn. Pl. Orient., ser. 1, 8: 15 (1849).subsp. *judaica* –**A** [N, M]
Fumaria microstachys Kralik ex Hausskn., Flora 56: 552 (1873) –**A****E** [M]
Fumaria officinalis L., Sp. Pl., ed. 1, 2: 700 (1753). subsp. *officinalis* –**A** [M]
Fumaria parviflora Lam, Encycl. 2: 567 (1788)
var. *parviflora* –**A** [N, M, De, R, S]
Glaucium arabicum Fresen., Mus. Senckenberg. 1: 174 (1833) –**P** [M, S]
Glaucium corniculatum (L.) Rudolph, Fl. Jenensis Pl.: 13 (1781).
[= *G. corniculatum* subsp. *corniculatum*] –**A** [N (Cairo region), M, S]
Glaucium flavum Crantz, Stirp. Austr. Fasc. 2: 133 (1763) –**P** [S]
Glaucium grandiflorum Boiss. & A.Huet in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 5: 15 (1856).
subsp. *grandiflorum* –**P** [M, S]
Hypocoum aegyptiacum (Forssk.) Asch. & Schweinf., Mém. Inst. Egypt. 2: 37 (1887) –**A**
NE [N, M, S]
Hypocoum aequilobum Viv., Fl. Libyc. Spec.: 7 (1824) –**A** **NE** [M, S]
Hypocoum dimidiatum Delile, Fl. Arabie Pétrée: 84 (1830) –**A****NE** [S]
Hypocoum imberbe Sm. in J.Sibthorp & J.E.Smith, Fl. Graec. Prodr. 1: 107 (1806) –**A**
[N (Faiyum), M, S (Rafah)]
Hypocoum littorale Wulfen in N.J.von Jacquin, Collectanea 2: 205 (1789) –**A** [S]
Hypocoum procumbens L., Sp. Pl., ed. 1, 1: 124 (1753).subsp. *procumbens* –**A** [M]
Hypocoum pendulum L., Sp. Pl., ed. 1, 1: 124 (1753).

- var. *pendulum* –**A** [N, M, De, S]
Papaver decaisnei Hochst. & Steud. ex Elkan, Tent. Monogr. Papav. 26 (1839)
 var. *decaisnei*
 [= *Papaver decaisnei* (Elkan) Hochst. & Steud. ex Boiss., Ann. Sci. Nat., Bot., sér. 2, 16: 372 (1845)]
 –**A** [De, S]
Papaver dubium L., Sp. Pl., ed. 1, 2: 1196 (1753).
 subsp. *dubium* –**A** [M, S]
Papaver humile Fedde, Bull. Herb. Boissier, sér. 2, 5: 446 (1905)
 subsp. *humile* –**A** NE [M, S]
Papaver macrostomum Boiss. & A.Huet, Diagn. Pl. Orient. ser. 2, 5: 15 (1856)
 var. *macrostomum*
 [= *Papaver macrostomum* Boiss. & A. Huet in Boiss., Fl. Orient. 1: 115 (1867)] –**A** [S (Rafah)]
Papaver rhoeas L., Sp. Pl., ed. 1, 1: 507 (1753)
 subsp. *rhoeas* –**A** [N, M, De, S]
 Papaver somniferum* L., Sp. Pl.: 508 (1753) –A** [S]
Roemeria argemone (L.) C.Morales, R.Mend. & Romero García, Lagasalia 15 (Extra): 184 (1988). [= *Papaver argemone* L., Sp. Pl., ed. 1, 1: 506 (1753)] –**A** [M, S]
Roemeria hybrida (L.) DC., Syst. Nat. 2: 92 (1821)
 subsp. *dodecandra* (Forssk.) Maire in É.Jahandiez & al., Cat. Pl. Maroc 2: 257 (1932) –**A** [N, M, De, S]
 subsp. *hybrida* –**A** [M, S]
Roemeria sicula (Guss.) Galasso, Banfi, L. Sáez & Bartolucci, Ital. Botanist 15: 101 (2023).
 [= *Papaver hybridum* L., Sp. Pl., ed. 1, 1: 506 (1753)] –**A** [N, M, S]
36. MENISPERMACEAE (2 genera, 2 species)
Cebatha pendula (J.R.Forst. & G.Forst.) Kuntze, Revis. Gen. Pl. 1: 9 (1891)
 [= *Cocculus pendulus* (J.R.Forst. & G.Forst.) Diels in H.G.A.Engler (ed.), Pflanzenr., 4, 94 (46): 237 (1910)] –**B**
 [N (Aswan Nile islands), D, R, GE, S]
 Cocculus hirsutus* (L.) W.Theob. in F.Mason, Burmah, ed. 3, 2: 657 (1860) –C** [S]
37. BERBEDIACEAE (1 genus, 1 species)
Leontice leontopetalum L., Sp. Pl., ed. 1, 1: 312 (1753).
 [= *Leontice leontopetalum* L., Sp. Pl., ed. 1, 1: 312 (1753) subsp. *leontopetalum*] –**P** [M, S]
38. RANUNCULACEAE (5 genera, 22 taxa)
 Adonis microcarpa* DC., Syst. Nat. 1: 223 (1817). subsp. *microcarpa* –A** [M]
Adonis dentata Delile, Descr. Egypte, Hist. Nat. 287, t. 53 (1813).
 [= *Adonis dentata* subsp. *dentata*] –**A** [M, De, S]
Anemone coronaria L., Sp. Pl., ed. 1, 1: 539 (1753) –**P** [M, S]
Delphinium bovei Decne., Ann. Sci. Nat. Bot, sér. 2, 4: 356 (1835) –**A** NE [S]
Delphinium flavum DC., Syst. Nat. 1: 346 (1817).
 [= *Consolida flava* (DC.) Schrödinger, Ann. K. K. Naturhist. Hofmus. 27: 43 (1913)] –**A** [M, S]
 Delphinium nanum* DC., Syst. Nat. 1: 349 (1817) –A/B** NE [M, Dw]
 Delphinium peregrinum* L., Sp. Pl., ed. 1, 1: 531 (1753) –A** [S]
Nigella arvensis L., Sp. Pl., ed. 1, 1: 534 (1753).
 *subsp. *negevensis* (Zohary) Greuter & Burdet, Willdenowia 19: 45 (1989) –**A** NE [S]
 subsp. *taubertii* (Brand) Maire, Fl. Afrique N. 11: 40 (1964) –**A** NE [M]

- Nigella deserti* Boiss., Ann. Sci. Nat. Bot., sér. 2, 16: 359 (1841) –**A** [M, S (Rafah)]
- Nigella sativa* L., Sp. Pl., ed. 1, 1: 534 (1753)
- var. *sativa* –**A** [N, M]
- Ranunculus arvensis* L., Sp. Pl., ed. 1, 1: 555 (1753) –**A** [M]
- Ranunculus asiaticus* L., Sp. Pl., ed. 1, 1: 552 (1753) –**A** [M, S]
- Ranunculus bulbosus* L., Sp. Pl., ed. 1, 1: 554 (1753)
- *subsp. *aleae* (Willk.) Rouy & Foucaud, Fl. France 1: 106 (1893) –**P** [N]
- Ranunculus fucoides* Freyn, in M.Willkomm & J.M.C.Lange, Prodr. Fl. Hispan. 3: 912 (1880).
[=*Ranunculus peltatus* Schrank, Baier, Fl. 2: 103 (1789) subsp. *fucoides* (Freyn) Muñoz Garm.,
Anales Jard. Bot. Madrid 41: 477 (1985)] –**A/P** [M (Alexandria)]
- Ranunculus marginatus* d'Urv., Mém. Soc. Linn. Paris 1: 318 (1822) –**A** [N, O, M]
- Ranunculus millefolius* Banks & Sol. in A.Russell, Nat. Hist. Aleppo, ed. 2, 2: 254 (1794).subsp.
hierosolymitanus (Boiss.) P.H.Davis, Notes Roy. Bot. Gard. Edinburgh 23: 150 (1960) –**P** [M]
- Ranunculus muricatus* L., Sp. Pl., ed. 1, 1: 555 (1753) –**A** [M]
- Ranunculus rionii* Lagger, Flora (Regensburg) 31: 49 (1848) –**A** [N, O]
- Ranunculus sceleratus* L., Sp. Pl., ed. 1, 1: 551 (1753) –**A** [N, O, M]
- Ranunculus sphaerospermus* Boiss. & C.I.Blanche in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 5: 6
(1856).
[=*Ranunculus peltatus* Schrank, Baier, Fl. 2: 103 (1789)
subsp. *sphaerospermus* (Boiss. & C.I.Blanche) Meikle, Notes Roy. Bot. Gard. Edinburgh 23: 16
(1959)] –**A/P** [M]
- Ranunculus trichophyllus* Chaix, Pl. Vapinc. 31 (1785) –**A/P** [N]
- 39. CARYOPHYLLACEAE** (27 genera and 113 taxa)
- Arenaria deflexa* Decne., Ann. Sci. Nat. Bot., sér. 2, 3: 277 (1835). subsp. *deflexa* –**P** [S] *var.
glabrata Danin, Notes Roy. Bot. Gard. Edinburgh 32 (2): 263 (1973) –**P E** [S]
- **Arenaria leptoclados* (Rechb.) Guss., Fl. Sicul. Syn. 2: 284 (1844) –**A** [GE]
- Arenaria serpyllifolia* L., Sp. Pl., ed. 1, 1: 423 (1753)
- var. *serpyllifolia* –**A** [S]
- Atocion armeria* (L.) Raf., Autik. Bot.: 29 (1840). [= *Silene armeria* L., Sp. Pl., ed. 1, 1: 420 (1753)] –
A [N (Cairo), M]
- Bolanthus hirsutus* (Labill.) Barkoudah, Wentia 9: 168 (1962).
- *var. *alpinus* (Boiss.) Barkoudah, Wentia 9: 168 (1962) –**PNE** [S]
- var. *hirsutus* –**P** [S]
- Bufonia multiceps* Decne., Ann. Sci. Nat. Bot, sér. 2, 3: 278 (1835) –**P E** [S]
- Cerastium dichotomum* L., Sp. Pl., ed. 1, 1: 438 (1753).
[=*Cerastium dichotomum* subsp. *dichotomum*] –**A** [S]
- Cerastium glomeratum* Thuil., Fl. Env. Paris, ed. 2, 226 (1799) –**A** [S]
- Cerastium inflatum* Gren., Mém. Compt. Rend. Soc. Émul. Doubs 1: 6, 45 (1841). [= *Cerastium*
dichotomum subsp. *inflatum* (Link) Cullen, Notes Roy. Bot. Gard. Edinb. 27: 211 (1967)] –**A**
[S]
- Cometes abyssinica* R.Br. ex Wall., Pl. Asiat. Rar. 1: 18, t. 18 (1830) –**S** [De, R, GE, S]
- Cometes surattensis* L., Mant. Pl.: 39 (1767) –**A** [S]
- Dianthus cyri* Fisch. & C.A.Mey., Index Sem. Hort. Petrop. 4: 34 (1837) –**A** [N, O]
- Dianthus guessfeldtianus* Muschl., Man. Fl. Egypt: 330 (1912) –**P E** [De (Galala)]

- Dianthus illyricus* (Ard.) Fassou, N.Korotkova, Dimop. & Borsch
subsp. *angustifolius* (Poir.) Fassou, N.Korotkova, Dimop. & Borsch, PhytoKeys 196: 113 (2022).
[=*Petrorrhagia illyrica* (Ard.) P.W.Ball & Heywood subsp. *angustifolia* (Poir.) P.W.Ball &
Heywood, Bull. Brit. Mus. (Nat. Hist.) Bot. 3: 136 (1964)] –**P**[M (Mersa Matruh)]
- Dianthus libanotis* Labill., Icon. Pl. Syr. 1: 14, t. 5 (1791) –**P** [S]
- Dianthus monadelphus* Vent.
subsp. *judaicus* (Boiss.) Greuter & Burdet, Willdenowia 12 (2): 186 (1982).
[=*Dianthus judaicus* Boiss., Diagn. Pl. Orient, ser. 1, 8: 66 (1849)] –**P** [S]
- Dianthus sinaicus* Boiss., Diagn. Pl. Orient., ser. 1, 1: 23 (1843) –**P** NE [S]
- Dianthus strictus* Banks & Sol.
subsp. *multipunctatus* (Ser.) Mouterde ex Greuter & Burdet, Willdenowia 12 (2): 187 (1982) –
P [S]
- Eremogone picta* (Sm.) Dillenb. & Kadereit, Taxon 63(1): 83 (2014).[=*Minuartia picta* (Sibth. &
Sm.) Bornm., Beih. Bot. Centralbl. 28: (2) 148 (1911) var. *picta*] –**A** [De, S]
- Eremogone sinaica* (Boiss.) Dillenb. & Kadereit, Taxon 63(1): 83 (2014). [=*Minuartia picta* var.
sinaica (Boiss.) Bornm., Beih. Bot. Centralbl. 28 (2): 148 (1911)] –**A** NE [S]
- Gymnocarpus decander* Forssk., Fl. Aegypt.-Arab.: 65 (1775) –**S** [N, M, D, S]
- Gymnocarpus sclerocephalus* (Decne.) Dahlgren & Thulin, Edinb. J. Bot. 59 (2): 233 (2002).
[=*Sclerocephalus arabicus* Boiss., Diagn. Pl. Orient., ser. 1, 3: 12 (1843)] –**A** [De, R, GE, S]
- Gypsophila capillaris* (Forssk.) C.Chr., Dansk Bot. Arkiv. 4 (3): 19 (1922).
subsp. *capillaris* –**A**/**P** [De]
- subsp. *confusa* Zmarzty, Kew Bull. 48: 694 (1994) –**A**/**P**[Dw, S]
- Gypsophila coelesyriaca* (Boiss. & Hausskn.) F.N.Williams, J. Bot. 27: 322 (1889).
[=*Ankyropetalum gypsophiloides* var. *coelesyriacum* (Boiss. & Hausskn.) Barkoudah, Wentia 9: 174
(1962)] –**P** [S]
- Gypsophila linearifolia* (Fisch. & C.A.Mey.) Boiss., Fl. Orient. 1: 550 (1867) –**A** [S]
- **Gypsophila pilosa* Huds., Philos. Trans. 56: 252 (1767).
var. *pilosa* –**A**[N]
- Gypsophila vaccaria* (L.) Sm., J.Sibthorp & J.E.Smith, Fl. Graec. Prodr. 1: 279 (1809).
[=*Vaccaria hispanica* (Mill.) Rauschert, Wiss. Zeitschr. Martin Luther Univ. Halle-Wittenberg,
Math-Naturwiss. Reihe 14: 496 (1965) subsp. *hispanica*] –**A** [N, O, M, S] [=*V. hispanica* subsp.
oxyodonta (Boiss.) Greuter & Burdet, Willdenowia 12 (2): 191 (1982)] –**A** [N, De]
- Gypsophila viscosa* Murray, Commentat. Soc. Regiae Sci. Gott., ser. 2, 6: 9, t. 3 (1783) –**A** [S]
- Herniaria cinerea* DC. in J.B.A.M.de Lamarck & A.P.de Candolle, Fl. Fr., ed. 3, 5: 375 (1815) –**A** [O, M, De, S]
- Herniaria cyrenaica* F.Herm., Repert. Spec. Nov. Regni Veg. 42: 221 (1937) –**P**NE [M]
- Herniaria fontanesii* J.Gay, Rev. Bot. Recueil Mens. 2: 371 (1847) –**P** [M, S]
- Herniaria glabra* L., Sp. Pl., ed. 1, 1: 218 (1753) –**P** [S]
- Herniaria hemistemon* J.Gay, Rev. Bot. Recueil Mens. 2: 371 (1847) –**P**[M, De, S]
- Herniaria hirsuta* L., Sp. Pl., ed. 1, 1: 218 (1753) –**A**[O, M, D, S]
- Holosteum umbellatum* L.
subsp. *glutinsum* (M.Bieb.) Nyman, Consp. Fl. Eur.: 112 (1878) –**A** [S]

- Loeflingia hispanica* L., Sp. Pl., ed. 1, 1: 35 (1753) –**A** [M, S]
- Minuartia meyeri* (Boiss.) Bornm., Beih. Bot. Centralbl. 27 (2): 318 (1910) –**A** [S]
- Paronychia arabica* (L.) DC., Cat. Pl. Horti Monsp.: 130 (1813). [= *Paronychia arabica* (L.) DC. in Lam., Encycl. 5: 24 (1804)]
- subsp. *arabica* –**A/P** [N, M, D, R, S]
- *subsp. *brevisetata* (Asch.) Chaudhri, Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 285: 204 (1968) –**A/P**
- [M, De, GE, S] subsp. *longisetata* (Bertol.) Batt., Bull. Soc. Bot. Fr. 46: 267 (1900) –**A/P** [M, D, S]
- Paronychia argentea* Lam., Fl. Fr. 3: 230 (1779) –**A/P** [O, M, GE, S]
- Paronychia capitata* (L.) Lam., Fl. Fr. 3: 229 (1779).
- subsp. *capitata* –**P** [M]
- **Paronychia chlorothyrsa* Murb., Acta Univ. Lund. 32 (12): 48 (1896). var. *chlorothyrsa* –**A/P** [N, M]
- Paronychia sinaica* Fresen., Mus. Senckenberg. 1: 180 (1833) –**P** NE [De, S]
- Petrorhagia arabica* (Boiss.) P.W.Ball & Heywood, Bull. Brit. Mus. (Nat. Hist.) Bot. 3: 143 (1964) –**A** NE [S]
- Polycarpaea corymbosa* (L.) Lam., Tabl. Encycl. 2: 129 (1797). var. *corymbosa* –**A** [GE]
- Polycarpaea repens* (Forssk.) Asch. & Schweinf., Österr. Bot. Z. 39: 126 (1889) –**P** [N, M, D, R, GE, S]
- Polycarpaea robbairea* (Kuntze) Greuter & Burdet, Willdenowia 12 (2): 189 (1982)
- subsp. *robbairea* –**P** [N, M, D, R, GE, S]
- Polycarpaea spicata* Wight ex Arn., Ann. Nat. Hist., sér. 1, 3(15): 91 (1839) –**A** [De, R, GE]
- Polycarpon alsinifolium* (Biv.) DC., Prodr. 3: 376 (1828)
- [= *Polycarpon tetraphyllum* var. *alsinifolium* (Biv.) Batt., J. Linn. Soc. Bot. 16: 370 (1877)] –**A** [N, M, D, S]
- Polycarpon prostratum* (Forssk.) Asch. & Schweinf., Österr. Bot. Z. 39: 128 (1889)
- var. *prostratum* –**A** [N, De]
- Polycarpon succulentum* J.Gay, Rev. Bot. Recueil Mens. 2: 372 (1847) –**A** [N, M, De, R, S]
- Polycarpon tetraphyllum* (L.) L., Syst. Nat., ed. 10: 881 (1759).
- subsp. *tetraphyllum* [= var. *tetraphyllum*] –**A** [N, O, M, De, GE, S]
- Pteranthus dichotomus* Forssk., Fl. Aegypt.-Arab. LXII: 36 (1775) –**A** [N, M, D, R, S]
- Rhodalsine geniculata* (Poir.) F.N.Williams, Bull. Herb. Boissier 6: 7 (1898).
- [= *Minuartia geniculata* (Poir.) Thell., Mém. Soc. Sci. Nat. Math. Cherbourg 38: 231 (1912)] –**P**
- [N (Faiyum), M, S]
- Sabulina mediterranea* (Ledeb. ex Link) Rchb., Icon. Fl. Germ. Helv. 5: 27 (1841)
- [= *Minuartia mediterranea* (Ledeb. ex Link) K.Malý, Glasn. Zemaljsk. Muz. Bosni Hercegovini 20: 363 (1908)] –**A** [M]
- Sabulina tenuifolia* (L.) Rchb., Fl. Germ. Excurs. 2: 785 (1832). subsp. *tenuifolia* –**A** [M, Dw]
- [= *Minuartia hybrida* (Vill.) Schischk. in Kom., Fl. USSR 6: 488 (1936) subsp. *hybrida*]
- Sagina apitata* Ard., Animadv. Bot. Spec. Alt.: 22, t. 1, f. 8 (1764) –**A** [S]
- Silene aegyptiaca* (L.) L.f., Suppl. Pl.: 241 (1782) –**A** [M, S]
- Silene alexandrina* (Asch.) Danin, Israel J. Bot. 36: 65 (1987). [= *Silene apitata* Willd. var. *alexandrina* Asch. in Asch. & Schweinf., Mém. Inst. Egypt. 2: 46 (1887)] –**A** [M]

- Silene apetala* Willd., Sp. Pl., ed. 4, 2 (1): 703 (1799). var. *apetala* –A [O, M, S]
 *var. *glabrata* A.Hosny & E.Shamso, Taeckholmia 14: 33 (1993) –A E [M]
 *var. *grandiflora* Boiss., Fl. Orient. 1: 597 (1867) –A [N, De]
Silene arabica Boiss., Fl. Orient. 1: 593 (1867) –A [R, S]
Silene behen L., Sp. Pl., ed. 1, 1: 418 (1753) –A [N, M, De, S]
Silene biappendiculata Ehrh. ex Rohrb., Bot. Zeitung (Berlin) 25: 82 (1867) –A
 var. *biappendiculata* NE [M, S]
Silene colorata Poir., Voy. Barbarie 2: 163 (1789).
 subsp. *colorata*
 [=var. *colorata*] –A [N, M, D, S]
Silene coniflora Nees ex Otth in A.P.de Candolle, Prodr. 1: 371 (1824) –A
 [M (Ras El-Hekma)]
Silene conoidea L., Sp. Pl., ed. 1, 1: 418 (1753). var. *conoidea* [De, S]
 *var. *obcordata* Boiss., Fl. Orient. 1: 580 (1867) –A NE [S]
Silene diversifolia subsp. *bergiana* (Lindm.) L., Medina, Acta Bot. Malac. 40: 365 (2015).
 [=*Silene rubella* L., Sp. Pl., ed. 1, 1: 419 (1753) var. *rubella*] –A [N, O, M, De, S]
Silene fruticosa L., Sp. Pl., ed. 1, 1: 417 (1753).
 *subsp. *cyrenaica* Bég. & A.Vacc., Sp. Nuov. Rar. Fl. Lib.: 2 (1912) –PNE [M] subsp. *fruticosa* –P [M]
Silene gallica L., Sp. Pl., ed. 1, 1: 417 (1753) –A [N, O, M]
Silene hussonii Boiss., Diagn. Pl. Orient., ser. 1, 8: 76 (1849) –A NE [S]
Silene leucophylla Boiss., Diagn. Pl. Orient., ser.1, 1: 29 (1843) –PE [S (St. Katherine)]
Silene linearis Decne., Ann. Sci. Nat. Bot. sér. 2, 3: 276 (1835) –A [M, De, R, S]
Silene longipetala Vent., Descr. Pl. Nouv.:83, t. 83 (1802) –P [M, S]
Silene nocturna L., Sp. Pl., ed. 1, 1: 416 (1753).
 *var. *brachypetala* (Robill. & Castagne ex DC.) Benth., Consp. Fl. Eur. 96 (1878) –A [N, M, De, S]
 var. *nocturna* [O, M, De, S]
Silene odontopetala Fenzl, Pug. Pl. Nov. Syr.: 9 (1842).
 var. *congesta* Boiss., Fl. Orient. 1: 626 (1867) –P E [S (St. Katherine)]
Silene oliveriana Otth in A.P.de Candolle, Prodr. 1: 373 (1824). [=*Silene colorata* var. *oliveriana* (Otth) Muschl., Man. Fl. Egypt 1: 338 (1912)] –A [M, De, S]
Silene oreosinaica Chowdhuri, Notes Roy. Bot. Gard. Edinb. 22: 269 (1957) –P E [S (St. Katherine)]
Silene palaestina Boiss., Diagn. Pl. Orient., ser. 1, 8: 80 (1849) –A NE [S]
Silene pendula L., Sp. Pl., ed. 1, 1: 418 (1753) –A [M, S]
Silene pseudoatocion Desf., Fl. Atlant. 1: 353 (1798) –A [N (Cairo)]
Silene schimperiana Boiss., Diagn. Pl. Orient., ser. 1, 1: 31 (1843) –P NE [S]
Silene chirensis A.Rich., Tent. Fl. Abyss. 1: 44 (1848).
 [=*Silene burchellii* Otth ex DC. Prodr. 1: 374 (1824) var. *schweinfurthii* (Rohrb.) Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 16 (1974)] –A [R, GE]
Silene succulenta Forssk., Fl. Aegypt.-Arab. LXVI: 89 (1775)
 subsp. *succulenta* –P [N, M, S]
Silene tridentata Desf., Fl. Atlant. 1: 349 (1798) –A [M]

- Silene villosa* Forssk., Fl. Aegypt.-Arab.: 88, non 210 (1775).
 var. *erecta* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 17, f. 3 (1974) –**A** NE [De, GE]
 var. *graveolens* Sickenb., Mém. Inst. Egypt. 4 (2): 184 (1901) –**A** [O (Kharga)]
 var. *ismailitica* Schweinf., Mém. Inst. Egypt. 2, Suppl.: 748 (1889) –**A** [O, M, D, R, GE, S]
 var. *villosa* –**A** [N, O, M, S]
Silene vivianii Steud., Nomencl. Bot., ed. 2, 2: 588 (1841). subsp. *vivianii* –**A** [N, M, D, S]
 subsp. *viscida* (Boiss.) Boulos, Fl. Egypt Checklist: 14 (1995) –**A** [S]
Silene vulgaris (Moench) Gärcke, Fl. N. Mitt. Deutschland, ed. 9: 64 (1869) –**P**[M]
Spergularia bocconeii (Scheele) Graebn. in P.F.A.Ascherson & K.O.R.Graebner, Syn. Mitteleur. Fl. 5 (1): 849 (1919) –**A**[N, O, M, De, S]
Spergularia diandra (Guss.) Heldr., Pl. Atticae 1848 s.p. (1851).
 [=*Spergularia diandra* (Guss.) Boiss., Fl. Orient. 1: 733 (1867)] –**A** [N, O, M, D, R, GE, S]
Spergularia flaccida (Madden) I.M.Turner, Willdenowia 47: 214 (2017).
 [=*Spergula fallax* (Lowe) E.H.L.Krause in J.W.Sturm, Deutschl. Fl. Abbild., ed. 2. 5: 19 (1901)] –**A** [N, M, De, R, GE, S]
Spergularia marina (L.) Bessler, Enum. Pl. Volh., Defin. ed.: 97 (1822).
 [=*Spergularia marina* (L.) Griseb., Spic. Fl. Rumel. 1: 213 (1843)]
 var. *marina* –**A**/**P**[N, O, M, D, R, S]
 *var. *densiflora* Hosny ex Hosni, Taekholmia 11: 55 (1988) –**A** E [O (Bahariya Oasis)]
Spergularia media (L.) C.Presl, Fl. Sicul. 1: 161 (1826) –**P** [N, O, M, S]
Spergularia rubra (L.) J.Presl & C.Presl, Fl. Čech.: 94 (1819) –**A**/**P** [N, O, M, S]
Sphaerocoma hookeri T. Anderson, J. Proc. Linn. Soc., Bot. 5, Suppl. 1: 16 (1860). subsp. *hookeri* –**S**[R, GE]
 [=*Sphaerocoma hookeri* subsp. *intermedia* J.B.Gillett, Kew Bull.12: 388 (1958)] –**S** [De, R, GE, S]
Stellaria apetala Ucria, Nuova Racc. Opusc. Aut. Sicil. 6: 251 (1793).
 [=*Stellaria pallida* (Dumort.) Crép. in Man. Fl. Belgique, ed. 2: 19 (1866)] –**A**[N, O, M, S]
Stellaria media (L.) Vill., Hist. Pl. Dauphiné (Villars) 3 (2): 615 (1789) –**A**[O, M, De, S]
Telephium imperati L. subsp. *orientale* (Boiss.) Nyman, Consp. Fl. Eur.: 254 (1879) –**P** [S]
Telephium sphaerospermum Boiss., Diagn. Pl. Orient. 4: 12 (1844).
 *var. *racemosa* Boiss., Diagn. Pl. Orient.10: 12. (1849) –**A**/**B** [N, De, R]
 var. *sphaerospermum* –**A** [O, D, S]
40. AMARANTHACEAE [incl. CHENOPODIACEAE] (30 genera, 123 taxa) 5E - 3NE
Achyranthes aspera L., Sp. Pl., ed. 1, 1: 204 (1753).
 var. *pubescens* (Moq.) M.Gómez, Noc. Bot. Sist.: 58 (1893).
 [=var. *pubescens* (Moq.) C.C.Towns., Kew Bull. 29 (3): 473 (1974)] –**P** [N (Aswan region)]
 var. *sicula* L., Sp. Pl., ed. 1, 1: 204 (1753) –**P** [N (Cairo region), GE]
Aerva javanica (Burm. f.) Juss. ex Schult. in J.J.Roemer & J.A.Schultes, Syst. Veg., ed.15, 5: 565 (1819)
 var. *javanica* –**S**/**S**[N, O, De, R, GE, S] var. *bovei* Webb in W.J.Hooker, Niger Fl.: 173 (1849)–**S**/**S** [N (Nubia), O, De, R, GE, S]
Agathophora alopecuroides (Delile) Fenzi ex Bunge, Mém. Acad. Sci. Pétersb., sér. 7, 4 (11): 92 (1862).
 var. *alopecuroides* –**S** [N, M, D, S]
 var. *papillosa* (Maire) Boulos, Kew Bull. 47: 284 (1992) –**S** [D, S]

- **Alternanthera bettzickiana* (Regel) G.Nicholson, Ill. Dict. Gard. 1: 59 (1884) –**A**[N, M]
Alternanthera pungens Kunth in Humb., Bonpl. & Kunth, Nov. Gen. Sp. 2: 206 (1818) –**P**
 [N (Samanoud area, Nile Delta)]
Alternanthera sessilis (L.) DC., Cat. Pl. Horti Monsp.: 77 (1813).
 [=*Alternanthera nodiflora* R.Br., Prodr. Fl. Nov. Holland.: 417 (1810)] –**A**[N, O, M, R, De]
Amaranthus albus L., Syst. Nat., ed.10, 2: 1268 (1759) –**A** [N, O]
Amaranthus blitoides S.Watson, Proc. Amer. Acad. Arts 12: 273 (1877). var. *blitoides* –**A**
 [S]
Amaranthus blitum L., Sp. Pl.: 990 (1753).
 subsp. *blitum* –**A** [N, D]
 subsp. *oleraceus* (L.) Costea, Sida 19 (4): 984 (2001).
 [=*Amaranthus lividus* L., Sp. Pl., ed. 1, 2: 990 (1753)] –**A**[N, M, D, S]
Amaranthus caudatus L., Sp. Pl., ed. 2: 990 (1753) –**A** [N, O, M, S]
Amaranthus cruentus L., Syst. Nat., ed. 10, 2: 1269 (1759).
 [=*Amaranthus hybridus* subsp. *cruentus* (L.) Thell., Fl. Adv. Montpellier: 205 (1912)] –**A** [N, O, M,
 S]
Amaranthus graecizans L., Sp. Pl., ed. 2: 990 (1753).
 subsp. *graecizans* –**A**[N, O, M, R, GE, S]
 subsp. *thellungianus* (Nevski) Gusev, Bot. Zhurn. (Moscow & Leningrad) 57 (5): 462 (1972) –**A**
 [N, R, S]
 subsp. *silvestris* (Vill.) Brenan, Watsonia 4: 237 (1961) –**A** [N, M, R, GE, S]
Amaranthus hybridus L., Sp. Pl., ed. 2: 990 (1753). subsp. *hybridus* –**A** [N, O, M, S]
 Amaranthus hypochondriacus* L., Sp. Pl., ed. 1, 2: 991 (1753) –A** [N, O (Siwa, Kharga), M, De,
 S]
Amaranthus palmeri S.Watson, Proc. Amer. Acad. Arts 12: 274 (1877) –**A** [N (Kom Ombo)]
Amaranthus retroflexus L., Sp. Pl., ed. 2: 991 (1753) –**A** [N, M, S]
 Amaranthus scleropoides* Uline & W.L.Bray, Bot. Gaz. 19: 316 (1894) –A**[M, S]
Amaranthus spinosus L., Sp. Pl., ed. 2: 991 (1753) –**A**[N (Cairo)]
Amaranthus tricolor L., Sp. Pl., ed. 1, 2: 989 (1753) –**A** [N, M]
Amaranthus viridis L., Sp. Pl., ed. 2: 1405 (1763) –**A** [N, O, M, De, S]
Anabasis articulata (Forssk.) Moq. in A. DC., Prodr. 13 (2): 212 (1849) –**S** [O, M, D, R, GE, S]
Anabasis oropetiorum Maire, Bull. Soc. Hist. Nat. Afr. Nord 29: 447 (1938) –**S** [M, De, S]
Anabasis setifera Moq., Chenop. Monogr. Enum.: 164 (1840) –**S** [O, M, De, R, GE, S]
Anabasis syriaca Iljin, Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk SSSR 20: 138 (1960).
 subsp. *syriaca* –**S** NE [M, R, S]
Arthrocnemum macrostachyum (Moric.) K.Koch, Hort. Dendrol.: 96, No. 3 (1853) –**S** [N, O, M,
 De, R, S]
Atriplex canescens (Pursh) Nutt., Gen. N. Amer. Pl. 1: 197 (1818) –**S**[N, M, De]
Atriplex coriacea Forssk., Fl. Aegypt.-Arab.: 175 (1775) –**S** [M, S]
 Atriplex davisii* Aellen, Notes Roy. Bot. Gard. Edinburgh 28: 30 (1967) –A/B** [N]
Atriplex dimorphostegia Kar. & Kir., Bull. Soc. Imp. Naturalistes Moscou 15: 438 (1842) –**A**
 [M, De, S]
 Atriplex ehrenbergii* F.Muell. ex Asch. & Schweinf., Mem. Inst. Egypt. 2: 771 (1889) –P**[M]
Atriplex farinosa Forssk., Fl. Aegypt.-Arab.:123 (1775). subsp. *farinosa* –**S** [M, R, GE, S]

- Atriplex glauca* L., Cent. Pl. 1: 34 (1755). subsp. *glauca* –S [M, De, S]
 *subsp. *palaestina* (Boiss.) Dobignard, Index Syn. Fl. Afrique N. 2: 24 (2011) –S [S]
Atriplex halimus L., Sp. Pl., ed. 2.: 1052 (1753) –S [N, M, De, R, S]
Atriplex holocarpa F. Muell., Rep. Pl. Babbage's Exp. 19 (1859) –A/P [M]
 **Atriplex infrequens* Paul G.Wilson, Fl. Australia 4: 323 (1984) –P [S]
Atriplex lindleyi Moq.
 subsp. *inflata* (F.Muell.) P.G.Wilson, Fl. Australia 4: 323 (1984) –P [N, M, D, S]
Atriplex littoralis L., Sp. Pl., ed. 2: 1054 (1753) –A [N, M, S]
 **Atriplex mollis* Desf., Fl. Atlant. 2: 391 (1799) –P [M]
 **Atriplex nilotica* Sukhor., Feddes Repert. 121: 33 (2010) –A E [N, M]
Atriplex nummularia Lindl. in T.L.Mitchell, J. Exped. Trop. Australia: 64 (1848). subsp.
nummularia –S [N, O, M, D, S]
Atriplex patula L., Sp. Pl., ed. 2: 1053 (1753).subsp. *patula* –A [N, M, S]
Atriplex portulacoides L., Sp. Pl., ed. 2: 1053 (1753) –S [N, M, De, S]
Atriplex prostrata Boucher ex DC. in Lam. & DC., Fl. Fr., ed. 3, 3: 387 (1805).subsp. *prostrata* –
 A [N, M, S]
Atriplex rosea L., Sp. Pl., ed. 2: 1493 (1763) –A [N, O, S]
 **Atriplex spongiosa* F.Muell., Trans. & Proc. Philos. Inst. Victoria 2: 74 (1858) –P [M]
Atriplex semibaccata R.Br., Prodr. Fl. Nov. Holland.: 406 (1810) –P [N, M, Dw]
Atriplex suberecta I.Verd., Bothalia 6: 418 (1954) –A/P [S]
Atriplex turcomanica (Moq.) Boiss., Fl. Orient. 4: 913 (1879)
 [= *Atriplex leucoclada* var. *inamoena* (Aellen) Zohary, Fl. Palaest. 1: 147 (1966)] –S [O, M, De, S]
 [= *Atriplex leucoclada* var. *turcomanica* (Moq.) Zohary, Fl. Palaest. 1: 147 (1966)] –P [N, O, De,
 S]
Atriplex tatarica L., Sp. Pl., ed. 2: 1053 (1753) –A [N, O, S]
 **Bassia aegyptiaca* Turki, El Shayeb & F.Shehata, Fl. Medit. 16: 279 (2006) –P E [M]
Bassia arabica (Boiss.) Maire & Weiller in Maire, Fl. Afr. Nord 8: 54 (1962) –S [O (Wadi
 Natrun), M, D, S]
Bassia eriophora (Schrad.) Asch. in Schweinf., Beitr. Fl. Aethiop.: 187 (1867) –A [De, S]
Bassia indica (Wight) A.J.Scott, Feddes Repert. 89 (2-3): 108 (1978) –A [N, O, M, D, S]
Bassia muricata (L.) Asch. in Schweinf., Beitr. Fl. Aethiop.: 187 (1867). var. *muricata* –A [N,
 O, M, De, R, S]
 *var. *hadidi* Turki, El Shayeb & F.Shehata, Acta Botanica Hungarica 50 (1–2): 203–213(2008) –A
 E [De]
 *var. *sinaica* Turki, El Shayeb & F.Shehata, Acta Botanica Hungarica 50 (1–2): 203–213 (2008)
 –A E [S]
Beta vulgaris L., Sp. Pl., ed. 1, 1: 222 (1735).
 subsp. *vulgaris*
 [= *Beta vulgaris* subsp. *maritima* (L.) Arcang., Comp. Fl. Ital.: 593 (1882) –A/P [N, O, M, D, S]
Caroxylon cyclophyllum (Baker) Akhani & Roalson, Int. J. Pl. Sci. 168: 947 (2007).
 [= *Salsola cyclophylla* Baker, Bull. Misc. Inf. Kew 1894 (93): 340 (1894)] –S [De, R, S]

- Caroxylon gaetulum* (Maire) Akhani & Roalson, Int. J. Pl. Sci. 168: 947 (2007).
[=*Salsola imbricata* subsp. *gaetula* (Maire) Boulos, Fl. Egypt Checklist: 24 (1995)] –**S** [O, M, D, S]
- Caroxylon imbricatum* (Forssk.) Moq., A.P.de Candolle, Prodr. 13(2): 177 (1849).
var. *imbricatum*
[=*Salsola imbricata* Forssk., Fl. Aegypt.-Arab.: 57 (1775) subsp. *imbricata*] –**S** [N, O, D, GE, S]
- Caroxylon inerme* (Forssk.) Akhani & Roalson, Int. J. Pl. Sci. 168: 947 (2007).
[=*Salsola inermis* Forssk., Fl. Aegypt.-Arab.: 58 (1775)] –**A**[N, M, De, S]
- **Caroxylon orientale* (S.G.Gmel.) Tzvelev, Ukrayins'k. Bot. Zhurn. 50: 80 (1993) –**S** [S]
- Caroxylon spinescens* (Moq.) Akhani & Roalson, Int. J. Pl. Sci. 168: 948 (2007). [=*Salsola spinescens* Moq. in DC. Prodr. 13 (2): 179 (1849)] –**S**[R]
- Caroxylon tetragonum* (Delile) Moq., A.P.de Candolle, Prodr. 13(2): 176 (1849). [=*Salsola tetragona* Delile, Descr. Egypte, Hist. Nat. 203, t. 21. f. 4. (1813)] –**S**[O, M, D]
- Caroxylon tetrandrum* (Forssk.) Akhani & Roalson, Int. J. Pl. Sci. 168: 948 (2007).[=*Salsola tetrandra* Forssk., Fl. Aegypt.-Arab.: 58 (1775)] –**S**[O (Uweinat), M, D, S]
- Caroxylon vermiculatum* (L.) Akhani & Roalson, Int. J. Pl. Sci. 168: 948 (2007). [=*Salsola vermiculata* L., Sp. Pl., ed. 1, 1: 223 (1753)] –**P**[De, S]
- Caroxylon villosum* (Schult.) Akhani & Roalson, Int. J. Pl. Sci. 168: 948 (2007). [=*Salsola villosa* Schult., in J.J.Roemer & J.A.Schultes, Syst. Veg., ed.15, bis 6: 232 (1820)] –**S** [O, D, S]
- Caroxylon volkensii* (Schweinf. & Asch.) Akhani & Roalson, Int. J. Pl. Sci. 168: 948 (2007).[=*Salsola volkensii* Schweinf. & Asch. in Asch. & Schweinf., Mém. Inst. Egypt. 2: 130 (1887)] –**A** [N, M, D, S]
- Chenopodium album* L., Sp. Pl., ed. 1, 1: 219 (1753) –**A** [N, O, M, D, S]
- Chenopodium ficifolium* Sm., Fl. Brit. 1: 276 (1800) –**A**[N, O, M, De]
- Chenopodium glaucum* L., Sp. Pl., ed. 1, 1: 220 (1753) –**A**[N, M]
- Chenopodium giganteum* D.Don, Prodr. Fl. Nepal.: 75 (1825) –**A** [N, O (Kharga), M]
- **Chenopodium moquinianum* Aellen, Ber. Schweiz. Bot. Ges. 38: 15, 19 (1929) –**A** E [N, M]
- Chenopodium murale* L., Sp. Pl., ed. 1, 1: 219 (1753) –**A**[N, O, M, D, R, GE, S]
- Chenopodium opulifolium* Schrad. ex W.D.J.Koch & Ziz, Cat. Pl. Palat.: 6 (1814) –**A**[N, M, De, S]
- Chenopodium vulvaria* L., Sp. Pl., ed. 1, 1: 220 (1753) –**A** [M, S]
- Cornulaca ehrenbergii* Asch. in Schweinf., Beitr. Fl. Aethiop.: 184 (1867) –**S** [R (Cap Elba and islands)]
- Cornulaca monacantha* Delile, Descr. Egypte, Hist. Nat. 206, t. 22, f. 3 (1813) –**S** [N, O, M, D, R, GE, S]
- Digera muricata* (L.) Mart., Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13: 285 (1826) –**A** [N]
- Dysphania ambrosioides* (L.) Mosyakin & Clemants, Ukrayins'k. Bot. Zhurn. 59(4): 382 (2002).[=*Chenopodium ambrosioides* L., Sp. Pl., ed. 1, 219 (1753)] –**A/P** [N, O, M, S]
- Dysphania botrys* (L.) Mosyakin & Clemants, Ukrayins'k. Bot. Zhurn. 59 (4): 383 (2002).
[=*Chenopodium botrys* L., Sp. Pl., ed. 1, 1: 219 (1753)] –**A** [N (Cairo), S]
- **Gomphrena celosioides* Mart., Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13: 301 (1826) –**P** [N]

- Halopeplis amplexicaulis* (Vahl) Ung.-Sternb. ex Ces. in Ces., Pass. & Gibelli, Comp. Fl. Ital. 2 (12): 271 (1874) –**A**[N (northern Delta), O, M, S]
- Halopeplis perfoliata* (Forssk.) Bunge ex Asch. in Schweinf., Beitr. Fl. Aethiop.: 289 (1867).
[=*Halopeplis perfoliata* (Forssk.) Bunge ex Ung. -Sternb., Atti Congr. Int. Bot. Firenze 1874: 329 (1876)] –**S**
[N (northern Delta), M, D, R, S]
- Haloxylon negevensis* (Iljin & Zohary) Boulos, Fl. Egypt Checklist: 26 (1995) –**S** NE [S]
- Haloxylon persicum* Bunge, Nouv. Mém. Soc. Imp. Naturalistes Moscou 12: 189 (1860) –**S**/**I**
[De, S]
- Haloxylon salicornicum* (Moq.) Bunge ex Boiss., Fl. Orient 4 (2): 949 (1879) –**S** [N, O, M, D, R, S]
- Haloxylon scoparium* Pomel, Nouv. Mat. Fl. Atlant. 2: 335 (1875) –**S** [M, D, S]
- Krascheninnikovia ceratoides* (L.) Gueldenst., Novi Comment. Acad. Sci. Imp. Petrop. 16: 555 (1772) –**S**
[De (Northern Galala), S (Gebel Igha)]
- Noaea mucronata* (Forssk.) Asch. & Schweinf., Mém. Inst. Egypt. 2:131 (1887) –**S** [M, De, S]
- Ouret lanata* (L.) Kuntze, Revis. Gen. Pl. 2: 544 (1891).
[=*Aerva lanata* (L.) Juss. ex Schult, in J.J.Roemer & J.A.Schultes, Syst. Veg, ed.15, 5: 564 (1819)] –
P [R, GE]
- Psilotrichum gnaphalobryum* (Hochst.) Schinz, Vierteljahrsschr. Naturf. Ges. Zürich 57: 550 (1912) –**P** [GE]
- Pupalia lappacea* (L.) Juss., Ann. Mus. Hist. Nat. Paris 2: 132 (1803).
var. *velutina* (Moq.) Hook.f., Fl. Brit. India 4: 724 (1885) –**P**[GE]
- Salicornia europaea* L., Sp. Pl., ed. 1, 1: 3 (1753) –**A**[N, O, M, S]
- Salicornia fruticosa* (L.) L., Sp. Pl., ed. 2.: 5 (1762).
[=*Sarcocornia fruticosa* (L.) A.J.Scott, Bot. J. Linn. Soc. 75 (4): 367 (1977)] –**S**[N, O, M, De, S]
- Salicornia perennis* Mill., Gard. Dict., ed. 8: no. 2 (1768).
[=*Sarcocornia perennis* (Mill.) A.J.Scott, Bot. J. Linn. Soc. 75 (4): 267 (1977)] –**S** [N, M, S]
- Salsola kali* L., Sp. Pl., ed. 1, 1: 222 (1753) –**A**[N, M, De, S]
- **Saltia papposa* (Forssk.) Moq. in A.P.de Candolle, Prodr. 13(2): 325 (1849) –**S** NE [S]
- Sevada schimperii* Moq. in A.P.de Candolle, Prodr. 13 (2): 154 (1849) –**S** [De, R, GE]
- Soda longifolia* (Forssk.) Akhani, Front. Plant Sci. 11-546518: 30 (2020).
[=*Salsola longifolia* Forssk., Fl. Aegypt.-Arab.: 55 (1775)] –**S** [M, De, S]
- Soda oppositifolia* (Desf.) Akhani, Front. Plant Sci. 11-546518: 30 (2020).
[=*Salsola oppositifolia* Desf., Fl. Atlant. 1: 219 (1798)] – **S**[M, S]
- Soda rosmarinus* (Bunge ex Boiss.) Akhani, Front. Plant Sci. 11-546518: 30 (2020).
[=*Seidlitzia rosmarinus* Bunge ex Boiss., Fl. Orient. 4 (2): 951 (1879)] –**S**[De, S]
- Soda schweinfurthii* (Solms) Akhani, Front. Plant Sci. 11-546518: 30 (2020).
[=*Salsola schweinfurthii* Solms, Bot. Zeitung (Berlin) 59: 173 (1901)] –**S**[M, D, S]
- Suaeda aegyptiaca* (Hasselq.) Zohary, J. Linn. Soc. London, Bot. 55: 635 (1957) –**A**/**P**
[N, O, M, De, S]
- Suaeda altissima* (L.) Pall., Ill. Pl.: 49 (1803) –**A** [M]
- **Suaeda fruticosa* Forssk. ex J.F.Gmel., Onomat. Bot. Compl. 8: 798 (1776) –**S**/**S** [R]
- Suaeda maritima* (L.) Dumort., Fl. Belg.: 22 (1827) –**A**[N, O (Bahariya), M, De]

- Suaeda monoica* Forssk. ex J.F. Gmel., Onomat. Bot. Compl. 8: 798 (1776).
 [= *Suaeda monoica* Forssk. ex J.F. Gmel., Syst. Nat., ed. 13, 2: 503 (1791)] – **S/T** [O, M, De, R, GE, S]
- Suaeda palaestina* Eig & Zohary, Pal. J. Bot., Jerusalem ser., 3: 126 (1945) – **S** [M, S]
- Suaeda pruinosa* Lange, Vidensk. Meddel. Dansk. Naturhist. Foren. Kjöbenhavn 1861: 45 (1861) – **S** [M, R, S]
- **Suaeda salsa* (L.) Pall., Ill. Pl.: 46 (1803) – **A** [N, M, S]
- Suaeda splendens* (Pourr.) Gren. & Godr., Fl. Fr. 3: 30 (1855) – **A** [N, M, S]
- Suaeda vera* Forssk. ex J.F. Gmel., Onomat. Bot. Compl. 8: 797 (1776).
 [= *Suaeda vera* Forssk. ex J.F. Gmel., Syst. Nat., ed. 13, 2: 503 (1791)] – **S** [N (northern Delta), M, De, R, S]
- Suaeda vermiculata* Forssk. ex J.F. Gmel., Onomat. Bot. Compl. 8: 798 (1776).
 [= *Suaeda vermiculata* Forssk. ex J.F. Gmel., Syst. Nat., ed. 13, 2: 503 (1791)] – **S** [N, O, M, D, R, S]
- Traganum nudatum* Delile, Descr. Egypte, Hist. Nat. 2 (Mém): 204 (1813) – **S** [N, O, M, D, S]
- 41. LIMEACEAE [MOLLUGINACEAE]** (1 genus and 1 species)
- Limeum obovatum* Vicary, J. Asiat. Soc. Bengal 16: 1163 (1847) – **A** [O (Uweinat)]
- 42. LOPHIOCARPACEAE [MOLLUGINACEAE]** (1 genus and 1 species)
- Corbichonia decumbens* (Forssk.) Exell, J. Bot. (London) 73: 80 (1935) – **P** [GE]
- 43. GISEKIACEAE [MOLLUGINACEAE]** (1 genus and 2 taxa)
- Gisekia diffusa* M.G. Gilbert, Kew Bull. 48 (2): 348 (1993).
 [= *Gisekia pharnaceoides* var. *pseudopaniculata* C. Jeffrey, Kew Bull. 14: 235 (1960)] – **A**
 [De (Wadi Hodein, north of GE)]
- Gisekia pharnaceoides* L., Mant. Alt. 562 (1771). var. *pharnaceoides* – **A** [De, R, GE]
- 44. AIZOACEAE** (6 genera and 12 taxa)
- Aizoanthemopsis hispanica* (L.) Klak, Taxon 66 (5): 1165 (2017).
 [= *Aizoanthemum hispanicum* (L.) H.E.K. Hartmann, Illustr. Handb. Succ. Pl., Aizoaceae 29 A-E (2001) – **A**
 [N, M, D, S]
- Aizoon canariense* L., Sp. Pl., ed. 1, 1: 488 (1753) – **A** [N, M, D, R, GE, S]
- Mesembryanthemum cryptanthum* Hook.f. in Hooker's Icon. Pl. 11: t.1034 (1868).
 [= *Mesembryanthemum forsskaolii* Hochst, ex Boiss., Fl. Orient. 2: 765 (1872)] – **A** [O (Wadi Natrun), M, D, S]
- Mesembryanthemum crystallinum* L., Sp. Pl., ed. 1, 1: 480 (1753) – **A** [N, M, De, R, S]
- Mesembryanthemum nodiflorum* L., Sp. Pl., ed. 1, 1: 481 (1753) – **A** [N, M, S]
- **Sesuvium portulacastrum* (L.) L., Syst. Nat., ed. 10, 2: 1058 (1759). subsp. *portulacastrum* – **S/S** [M, De]
- Sesuvium sesuvioides* (Fenzl) Verdc., Kew Bull. 12: 349 (1957) – **A** [GE]
- **Trianthema crystallinum* (Forssk.) Vahl, Symb. Bot. 1: 32 (1790) – **S** [De, R, GE]
- Trianthema portulacastrum* L., Sp. Pl., ed. 1, 1: 223 (1753) – **A** [N, M, De, GE]
- Trianthema triquetrum* Willd. ex Spreng. Syst. Veg. 2: 381 (1825). var. *triquetrum*
 [= *Trianthema triquetra* Willd., Ges. Naturf. Freunde Berlin Neue Schriften 4: 181 (1803)] – **A** [De, R, GE]
- Zaleya decandra* (L.) Burm.f., Fl. Indica: 110, t. 31, f. 3 (1768) – **A** [GE]
- Zaleya pentandra* (L.) C. Jeffrey, Kew Bull. 14: 238 (1960) – **A** [N, D, R, GE, S]

45. NYCTAGINACEAE (2 genera and 9 species)
Boerhavia coccinea Mill., Gard. Dict., ed. 8: 4 (1768).
 [= *Boerhavia repens* subsp. *viscosa* (Lag. & Rodr.) Maire, Mém. Soc. Hist. Nat. Afr. Nord 3: 88 (1933)] – **P**
 [N, O, D, R, GE, S]
Boerhavia diandra L., Sp. Pl., ed. 1, 2: 1194 (1753)
 [= *Boerhavia repens* subsp. *diandra* (L.) Maire & Weiller, Fl. Afrique N. 8: 235 (1962)] – **A/P** [N, O]
Boerhavia diffusa L., Sp. Pl., ed. 1, 1: 3 (1753) – **P** [N, GE]
Boerhavia elegans Choisy in A.P.de Candolle, Prodr. 13 (2): 453 (1849) – **P**[GE]
Boerhavia repens L., Sp. Pl., ed. 1, 1: 3 (1753) – **P** [N]
Commicarpus boissieri (Heimerl) Cufod., Bull. Jard. Bot. Natl. Belg. 39 (Suppl.): 21 (1969) – **P**
 [S]
Commicarpus grandiflorus (A.Rich.) Standl., Contr. U.S. Natl. Herb. 18: 101 (1916) – **P** [GE, S]
Commicarpus helenae (Roem. & Schult.) Meikle, Hooker's Icon. Pl. 37: 1, t. 3694 (1971) – **P**[De, R, GE, S]
Commicarpus sinuatus Meikle, Kew Bull. 29 (1): 83 (1974) – **P** [S]
 46. MOLLUGINACEAE (3 genera and 4 species)
Glinus lotoides L., Sp. Pl., ed. 1, 1: 463 (1753) – **A** [N, O, M, De, GE, S]
Glinus runkewitzii Täckh, & Boulos, Publ. Cairo Univ. Herb. 5: 83, f.13 (1974) – **A**
 E [N (Luxor, Khizam Island)]
Hypertelis cerviana (L.) Thulin, Taxon 65: 787 (2016) [= *Mollugo cerviana* (L.) Ser. in A.P.de Candolle, Prodr. 1: 392 (1824)] – **A** [O, GE]
Paramollugo nudicaulis (Lam.) Thulin, Taxon 65: 786 (2016) [= *Mollugo nudicaulis* Lam., Encycl. 4 (1): 234 (1797)] – **A** [S]
 47. PORTULACACEAE (1 genus and 7 taxa)
Portulaca africana* (Danin & H.G.Baker) Danin, Lagasalia 26: 76 (2006) – **A [N]
Portulaca cypria* Danin, Fl. Medit. 18: 92 (2008) – **A[N]
Portulaca granulostellulata* (Poelln.) Ricceri & Arrigoni, Parlatorea 4: 93 (2000) – **A [N]
Portulaca nitida (Danin & H.G.Baker) Ricceri & Arrigoni, Parlatorea 4: 93 (2000).
 [= *Portulaca oleracea* subsp. *nitida* Danin & H.G.Baker, Israel J. Bot. 27 (3-4): 194 (1978)] – **A** [N, O, M, D, S]
Portulaca oleracea L., Sp. Pl., ed. 1, 1: 445 (1753).
 subsp. *oleracea* – **A** [N, M, GE, S]
 subsp. *stellata* Danin & H.G.Baker, Israel J. Bot. 27 (3-4): 198 (1979)] – **A** [N, S]
Portulaca trituberculata* Danin, Domina & Raimondo, Fl. Medit. 18: 91 (2008) – **A [N]
 48. SANTALACEAE (1 genus and 3 taxa)
Thesium bergeri* Zucc., Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 2: 324 (1837) – **P [O]
Thesium humile Vahl, Symb. Bot. 3: 43 (1794)
 var. *humile* – **A** [N, O, M, De, S]
 var. *maritima* (Simpson) Sa'ad, Fl. Egypt, Santalaceae 46: 25 (1983) – **A** E [M]
 49. LORANTHACEAE (1 genus and 2 species)
Plicosepalus acaciae (Zucc.) Wiens & Polhill, Nord. J. Bot. 5: 221 (1985) – **S** [GE, S]
Plicosepalus curviflorus (Benth. ex Oliv.) Tiegh., Bull. Soc. Bot. France 41: 504 (1894) – **S**

[De (Wadi Allaqi), R, GE]

50. EBENACEAE (1 genus, 1 taxon)

Euclea racemosa L. in J.A.Murray (ed.), Syst. Veg., ed. 13.: 747 (1774). subsp. *schimperii*

(A.DC.) F.White, Bull. Jard. Bot. Natl. Belg. 50: 399 (1980) –**S/T** [GE]

51. PRIMULACEAE (4 genera, 8 taxa)

Coris monspeliensis L., Sp. Pl. ed. 1, 1: 177 (1753).

*subsp. *strossiae* Gauba, Oesterr. Bot. Z. 83: 266 (1934) –**S** **E** [M]

Evotrochis involucrata Raf., Fl. Tellur. 2: 76 (1837).

[=*Primula boveana* Decne. ex Duby in A.P.de Candolle, Prodr. 8: 35 (1844)] –**P** **E** [S]

Lysimachia arvensis (L.) U.Manns & Anderb., Willdenowia 39(1): 51 (2009).

[=*Anagallis arvensis* L., Sp. Pl., ed. 1, 1: 148 (1753) subsp. *arvensis* var. *arvensis*] –**A** [N, O, M, D, R, GE, S]

Lysimachia foemina (Mill.) U.Manns & Anderb., Willdenowia 39(1): 52 (2009).

[=*Anagallis arvensis* subsp. *foemina* (Mill.) Schinz & Thell., Bull. Herb. Boissier, sér. 2, 7: 497 (1907)] –**A** [S]

Lysimachia linum-stellatum L., Sp. Pl., ed. 1, 1: 148 (1753).

[=*Asterolinon linum-stellatum* (L.) Duby in A.P.de Candolle, Prodr. 8: 68 (1844)] –**A** [M, S]

Lysimachia loeflingii F.J.Jiménez & M.Talavera, Bot. J. Linn. Soc. 199: 571 (2022).

[=*Anagallis arvensis* subsp. *arvensis* var. *caerulea* Gouan, Fl. Monsp.: 30 (1764)] –**A** [N, O, M, D, R, GE, S]

Lysimachia ovalis (Ruiz & Pav.) U.Manns & Anderb., Willdenowia 39(1): 52 (2009).

[=*Anagallis pumila* Sw., Prodr. Veg. Ind. Occ.: 40 (1788)] –**A** [M, S]

Samolus valerandi L., Sp. Pl., ed. 1, 1: 171 (1753) –**P** [N, O, M, De, S]

52. RUBIACEAE (9 genera, 26 taxa)

Callipeltis cucullaris (L.) DC., Prodr. 4: 613 (1830).

[=*Callipeltis cucullaris* (L.) Steven, Mém. Soc. Naturalistes Moscou 7: 275 (1829) f. *cucullaris*] –**A** [De, S]

[=*Callipeltis cucullaris* f. *aperta* (Boiss. & Buhse) Ehrend., Notes Roy. Bot. Gard Edinburgh 22:

397 (1958)] –**A**

[M, De, GE, S]

Crucianella aegyptiaca L., Mant. Pl., 1: 38 (1767) –**A** [M, GE, S]

Crucianella maritima L., Sp. Pl., ed. 1, 1: 109 (1753) –**P** [O (Wadi Natrun), M, De, S]

Crucianella membranacea Boiss., Diagn. Pl. Orient., sér. 1, 3: 27 (1843) –**A** [S]

Cruciata articulata* (L.) Ehrend., Notes Roy. Bot. Gard. Edinburgh 22: 396 (1958) –A** [S, De]

Galium aparine L., Sp. Pl., ed. 1, 1: 108 (1753) –**A** [M, GE]

Galium canum Req. ex DC., Prodr. 4: 602 (1830).subsp. *canum* –**P** [M]

Galium ceratopodum Boiss., Diagn. Pl. Orient., sér. 1, 3: 45 (1843) –**A** [S]

Galium mollugo L., Sp. Pl., ed. 1, 1: 107 (1753) –**P** [GE]

Galium murale (L.) All., Auct. Syn. Meth. Stirp. Hort. Regii Taur.: 8 (1773). [= *Galium murale* (L.) All., Fl. Pedem. 1:8, t. 77. f. 1 (1785)] –**A** [M, S]

Galium parisiense L., Sp. Pl., ed. 1, 1: 108 (1753) –**A** [?GE]

Galium setaceum Lam., Encycl. 2: 584 (1788) –**A** [De, R, GE, S]

Galium sinaicum (Delile ex Decne.) Boiss., Fl. Orient. 3: 63 (1875) –**P** **NE** [De, GE, S]

- Galium spurium* L., Sp. Pl., ed. 1, 1: 106 (1753).subsp. *africanum* Verdc., Kew Bull. 30: 324 (1975) –**A** [De, GE, S]
 subsp. *spurium* –**A** [N]
Galium tricornutum Dandy, Watsonia 4: 47 (1957) –**A** [N, O, M, De, S]
Kohautia caespitosa Schnizl, Flora 25 (Beibl.): 145 (1842). subsp. *caespitosa* –**A/P**[N, De, R, GE, S]
Oldenlandia capensis L.f., Suppl. Pl.: 127 (1781).
 var. *capensis* –**A** [N]
 var. *pleiosepala* Bremek., Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., sect. 2, 48(2): 267 (1952) –**A**
 [N, GE]
Oldenlandia corymbosa L., Sp. Pl., ed. 1, 1: 119 (1753). var. *corymbosa* –**A** [N (Delta)]
 var. *caespitosa* (Benth.) Verdc., Kew Bull. 30 (2): 298 (1975) –**A**[N (Delta)]
Oldenlandia fastigiata Bremek., Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., sect. 2, 48 (2): 260 (1952).
 var. *fastigiata* –**A** [N (Aswan)]
Plocama calycoptera (Decne.) M.Backlund & Thulin, Taxon 56(2): 323 (2007).
 [=Pterogaillonia calycoptera (Decne.) Linchevskii, Novosti Sist. Vyssh. Rast.10: 233(1973) –**S**[N, De, R, GE, S]
Rubia tenuifolia d'Urv, Mém. Soc. Linn. Paris 1: 273 (1822).
 subsp. *tenuifolia* –**S** [S (Gebel Halal)]
Valantia columella (Ehrenb. ex Boiss.) Bald., Malpighia 7: 207 (1893). [=Valantia lanata Delile ex Coss., Bull. Soc. Bot. France 12: 278 (1865)] –**A**NE [M]
Valantia hispida L., Syst. Nat., ed. 10, 2: 1307 (1759).var. *hispida* –**A** [M, De, GE, S]
53. GENTIANACEAE (3 genera, 7 taxa)
Centaurium malzacianum Maire, Notul. Syst. (Paris) 8: 25 (1939) –**A**NE [S]
Centaurium maritimum (L.) Fritsch, Mitt. Naturwiss. Vereins. Univ. Wien, sér. 2, 5: 97 (1907) –**A** [M]
Centaurium pulchellum (Sw.) Druce, Fl. Berkshire: 342 (1898).
 subsp. *pulchellum* –**A** [S]
 var. *altaicum* (Griseb.) Cufod., Bull. Jard. Bot. Natl. Belg. 39 (Suppl.): XXX (1969).
 [=*subsp. *meyeri* (Bunge) Tzvelev, Fl. Evropeískoí Chasti SSSR 3: 63 (1978)] –**A** [N, O, M, De]
Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch, Mitt. Naturwiss. Vereins Univ. Wien, sér. 2, 5: 97 (1907).
 subsp. *tenuiflorum* –**A**[N, O, M, De]
Enicostema axillare (Poir ex Lam.) A.Raynal, Adansonia, sér. 2, 9: 75 (1969)
 subsp. *axillare* –**P**[GE]
Schenkia spicata (L.) G.Mans., Taxon 53(3): 726 (2004).
 [=Centaurium spicatum (L.) Fritsch, Mitt. Naturwiss. Vereins Univ. Wien, sér. 2, 5: 97 (1907)] –**A**
 [N, O, M, De, S]
54. APOCYNACEAE [incl. ASCLEPIADACEAE] (15 genera, 25 taxa)
Apteranthes europaea (Guss.) Murb., Acta Univ. Lund. 34(7): 2 (1898). subsp. *europaea*
 [=Caralluma europaea (Guss.) N.E.Br., Gard. Chron., sér. 3, 12: 369 (1892)] –**P** [M, S]
 *var. *judaica* (Zohary) Plowes, Haseltonia 3: 61 (1995) –**P** NE [S]

- Calotropis procera* (Aiton) W.T.Aiton, Hortus Kew. 2: 78 (1811) –**S/T** [N, O, D, R, GE, S]
Carissa spinarum L., Mant. Pl., 2: 559 (1771) –**S** [GE]
Caudanthera edulis (Edgew.) Meve & Liede, Pl. Syst. Evol. 234(1-4): 201 (2002).
 [= *Caralluma edulis* (Edgew.) Benth. & Hook.f., Gen. Pl. 2: 782 (1876)] –**P** [GE]
Caudanthera sinaica (Decne.) Plowes, Haseltonia 3: 58 (1995).
 [= *Caralluma sinaica* (Decne.) Benth. & Hook.f., Gen. Pl. 2: 782 (1876) var. *sinaica*] –**P NE** [S, GE]
Cynanchum acutum L., Sp. Pl., ed. 1, 1: 212 (1753).subsp. *acutum* –**P** [N, O, M, S]
Cynanchum boveanum Decne., Ann. Sci. Nat., Bot., sér. 2, 4: 82 (1835)
 subsp. *boveanum*
 [= *Glossonema boveanum* (Decne.) Decne., Ann. Sci. Nat., Bot, sér. 2, 9: 335 (1838) subsp.
boveanum] –**P**
 [De, R, GE, S]
 subsp. *nubicum* (Decne.) Khanum & Liede, Taxon 65(3): 478 (2016).
 [= *Glossonema boveanum* subsp. *nubicum* (Decne.) Bullock, Kew Bull. 10 (4): 617 (1955)] –**P**[De, R,
 GE]
Desmidorchis retrospicieus Ehrenb., Über Pollen Asclep.: 12 (1831).
 [= *Caralluma acutangula* (Decne.) N.E.Br., Gard. Chron., ser. 3, 12: 369 (1892)] –**P** [GE]
 **Gomphocarpus fruticosus* (L.) W.T.Aiton, Hortus Kew. 2: 80 (1811).
 subsp. *flavidus* (N.E.Br.) Goyder, Kew Bull. 51: 798 (1996) –**P** [GE]
Gomphocarpus sinaicus Boiss., Diagn. Pl. Orient., sér. 1, 11: 80 (1849) –**S NE** [De, S]
Leptadenia arborea (Forssk.) Schweinf., Arab. Pfl.-Nam.: 167 (1912) –**S**[N (Aswan)]
Leptadenia pyrotechnica (Forssk.) Decne., Ann. Sci. Nat., Bot., sér. 2, 9: 269 (1838) –**S**[N, M, D,
 R, GE, S]
Oxystelma esculentum (L.f.) Sm. in A. Rees, Cycl. 25: no. 1 (1813).
 [= *Oxystelma esculentum* (L.f.) R. Br., Mem. Wern. Soc. 1: 40 (1810)] –**P** [N, M, De, S]
Pentatropis nivalis (J.F.Gmel.) D.V.Field & J.R.I.Wood, Kew Bull. 38 (2): 215 (1983) –**P** [De,
 R, GE, S]
Pergularia daemia (Forssk.) Chiov., Res. Sci. Somalia Ital. 1: 115 (1916)
 subsp. *daemia* –**P** [D, R, GE, S]
Pergularia tomentosa L., Mant. Pl.: 53 (1767).
 [= *Pergularia tomentosa* L., Syst. Nat., ed. 12, 2: 191 (1767)] –**S** [N, O (Uweinat), M, D, R, GE, S]
Periploca angustifolia Labill., Icon. Pl. Syr. 2: 13, t. 7 (1791) –**S** [M]
Periploca aphylla Decne. in V.Jacquemont, Voy. Inde 4(Bot.): 109 (1843). subsp. *aphylla* –**S** [S]
 subsp. *laxiflora* ((Bornm. ex Drar) Browicz, Arbor. Kórnickie 11: 62 (1966) –**S** [R, GE]
 Rhazya greissii* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 7 (1972 publ. 1974) –P E** [O]
Rhazya stricta Decne., Ann. Sci. Nat., Bot., sér. 2, 4: 80 (1835) –**P** [O (Kharga)]
Solenostemma arghel (Delile) Hayne, Getreue Darstell. Gew. 9: t. 38 (1825) –**S** [De, R, GE, S]
Vincetoxicum schimperii (Vatke) Meve & Liede, Phytotaxa 369 (3): 160 (2018).
 [= *Pleurostelma schimperii* (Vatke) Liede, Bot. J. Linn. Soc. 114 (1): 91 (1994)] –**S** [GE]
55. BORAGINACEAE (25 genera, 67 taxa)
Alkanna orientalis (L.) Boiss., Diagn. Pl. Orient., sér. 1, 4: 46 (1844).subsp. *orientalis* –**P** [S]
Alkanna strigosa Boiss. & Hohen. in in P.E.Boissier, Diagn. Pl. Orient., sér. 1, 4: 46 (1844) –
P NE [S]
Alkanna tinctoria Tausch, Flora 7(1): 234 (1824).

- subsp. *tinctoria*
 [= *Alkanna lehmannii* (Tineo) A. DC. in A.P.de Candolle, Prodr. 10: 588 (1846)] –**P** [M, R, S]
Anchusa aegyptiaca (L.) A. DC. in A.P.de Candolle, Prodr. 10: 48 (1846) –**A** [N, M, De, R, S]
Anchusa hybrida Ten., Fl. Napol. 1: 45 (1812).
 [= *Anchusa undulata* subsp. *hybrida* (Ten) Bég. in Beg & Fiori, Nouvo Giorn. Bot. Ital., n.s., 17: 634 (1910)] –**B/P** [N, M]
Anchusa milleri Lam. ex Sperng., Bot. Gart. Halle, Nachtr. 1: 11 (1801) –**A** [N, M, De, S]
Arnebia decumbens (Vent.) Coss. & Kralik, Bull. Soc. Bot. France 4: 398 (1857).
 subsp. *decumbens*
 [=var. *decumbens*] –**A** [N (Aswan province), M, De, S]
 subsp. *macrocalyx* (Coss. & Kralik) Riedl, Fl. Iranica 48: 160 (1967).
 [=var. *macrocalyx* Coss. & Kralik, Bull. Soc. Bot. France 4: 403 (1857) –**A** [N, M, Dw, S]
Arnebia hispidissima (Sieber ex Lehm.) A.DC. in A.P.de Candolle, Prodr. 10: 94 (1846) –**A** [N, M, De, R, GE, S]
Arnebia linearifolia A. DC. in A.P.de Candolle, Prodr. 10: 95 (1846).
 subsp. *linearifolia* –**A** [N, M, D, S]
Arnebia tinctoria Forssk., Fl. Aegypt.-Arab.: 63 (1775) –**A**[De, S]
Asperugo procumbens L., Sp. Pl., ed. 1, 1: 138 (1753) –**A**[S]
 Borago officinalis* L., Sp. Pl.: 137 (1753) –A** [N, M]
Brandella erythraea (Brand) R.R.Mill, Notes Roy. Bot. Gard. Edinburgh 43(3): 478 (1986) –**A** [GE]
Buglossoides incrassata (Guss.) I.M.Johnst. in J. Arnold Arbor. 35: 43 (1954)
 subsp. *incrassata* –**A**[D, S]
Buglossoides tenuiflora (L.f.) I.M.Johnst. in J. Arnold Arbor. 35: 42 (1954) –**A** [M, S]
Coldenia procumbens L., Sp. Pl., ed. 1, 1: 125 (1753) –**A** [Dw (Giza-Faiyum desert)]
Cordia sinensis Lam., Tabl. Encycl. 1: 423 (1792) –**T/S** [O, GE]
Echiochilon fruticosum Desf., Fl. Atlant. 1: 166, t. 47 (1798) –**S** [N, M, De, S]
Echium angustifolium Mill., Gard. Dict., ed. 8: n.° 6 (1768).
 subsp. *angustifolium* –**P** [N, M, D, S]
 subsp. *sericeum* (Vahl) Klotz, Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg, Math.-Naturwiss. Reihe 11 (2): 298 (1962) –**P** [N, O, M, De, S]
Echium glomeratum Poir. in J.B.A.M.de Lamarck, Encycl. 8: 670 (1808) –**B/P** [M]
Echium horridum Batt., Bull. Soc. Bot. France 39: 336 (1892) –**A/P**[De, R, GE, S]
Echium humile Desf., Fl. Atlant. 1: 165 (1798).
 [= *Anchusa humilis* (Desf.) I.M.Johnst., Contr. Gray Herb. 73: 55 (1924)] –**A**[N, O (Kharga), M, De, S]
Echium longifolium Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 184 (1813) –**A** NE [N, M, De]
Echium plantagineum L., Mant. Pl. 2: 202 (1771) –**A/P**[M (Mersa Matruh)]
Echium rauwolfii Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 195 (1813) –**A** [N, O, M, De, S]
Echium rubrum Forssk., Fl. Aegypt.-Arab.: 41 (1775) –**A**[(male plants) N, M; (female plants) N, M, Dw, S]
Echium sabulicola Pomel, Nouv. Mat. Fl. Atl. 1: 90 (1874).
 subsp. *sabulicola* [= *Echium sabulicola* Pomel, Bull. Soc. Sci. Phys. Algérie 11: 90 (-91) (1874)
 var. *sabulicola*] –**A/P** [M]

- Echium tenue* Roth, Catal. Bot. 2: 16 (1800).
[=*Echium sabulicola* var. *tenue* (Roth) Hadidy in L. Boulos, Fl. Egypt Checklist: 123 (1995)] –
A/P[M]
- Euploca ovalifolia* (Forssk.) Diane & Hilger, Bot. Jahrb. Syst. 125: 48 (2003).
[=*Heliotropium ovalifolium* Forssk., Fl. Aegypt.-Arab.: 38 (1775)] –A/P [N, O (Bahariya), M (Alexandria)]
- Euploca strigosa* (Willd.) Diane & Hilger, Bot. Jahrb. Syst. 125: 49. (2003).
[=*Heliotropium strigosum* var. *brevifolium* (Wall.) C.B. Clarke in J.D.Hooker, Fl. Brit. India 4 (1): 151 (1883)] –A/P [GE]
- Gastrocotyle hispida* (Forssk.) Bunge, Ann. Sci. Nat., Bot., sér. 3, 12: 363 (1849).
[=*Anchusa hispida* Forssk., Fl. Aegypt.-Arab.: 40 (1775)] –A [N, M, D, S]
- Heliotropium aegyptiacum* Lehm., Index Seminum (HBG, Hamburgensis) 1820: 8 (1821) –A/P
[N, GE, S]
- Heliotropium amplexicaule* Vahl, Symb. Bot. 3: 21 (1794) –P[N (Cairo)]
- Heliotropium arbainense* Fresen., Mus. Senckenberg. 1: 168 (1833) –P [N, O, M, De, R, GE, S]
- Heliotropium bacciferum* Forssk., Fl. Aegypt.-Arab.: 38 (1775).
subsp. *bacciferum*
[=var. *bacciferum*] –P[N, M, De, R, GE, S]
- Heliotropium bovei* Boiss., Diagn. Pl. Orient., ser. 1, 11: 87 (1849) –A [S (northern coastal region)]
- Heliotropium crispum* Desf., Fl. Atlant. 1: 151 (1798). [= *Heliotropium bacciferum* var. *erosum* (Lehm.) Hadidy in L.Boulos, Fl. Egypt Checklist: 118 (1995)] –P
[N, O, De, R, GE, S]
- Heliotropium curassavicum* L., Sp. Pl., ed. 1, 1:130 (1753). var. *curassavicum* –P
[N (Heliopolis, Cairo, Ain Helwan, Burg El-Burollos), De (Wadi Digla, southeast of Cairo)]
- Heliotropium digynum* (Forssk.) Asch. ex C.Chr., Dansk Bot. Ark. 4 (3): 14 (1922) –P [N, M, De, R, S]
- Heliotropium hirsutissimum* Weber, Pl. Min. Cogn. Decuria: 1 (1784) –A [M (Alexandria)]
- Heliotropium lasiocarpum* Fisch. & C.A.Mey., Index Seminum (LE, Petropolitanus) 4: 38 (1838) –A
[N, O, M, De, S]
- Heliotropium pterocarpum* (DC.) Hochst. & Steud. ex Bunge, Bull. Soc. Imp. Naturalistes Moscou 42 (1): 331 (1869) –A [De, R, GE]
- Heliotropium ramosissimum* (Lehm.) Sieber ex DC., Prodr. 9: 536 (1845) –P [N, O, M, D, R, GE, S]
- Heliotropium rotundifolium* Sieber ex Lehm., Icon. Descr. Nov. Stirp. 2: t. 19 (1822) –P NE
[De, S]
- Heliotropium supinum* L., Sp. Pl., ed. 1, 1: 130 (1753) –A [N, O, M, De, GE, S]
- Heliotropium zeylanicum* (Burm.f.) Lam., Encycl. 3: 94 (1789) –P [GE]
- **Hormuzakia aggregata* (Lehm.) Guşul., Publ. Soc. Nat. România 6: 83 (1923) –A [N, M, S]
- Lappula spinocarpos* (Forssk.) Asch. ex Kuntze, Trudy Imp. S.-Peterburgsk. Bot. Sada 10: 215 (1887).
subsp. *spinocarpos*

- [=var. *spinocarpos*] –**A** [N, M, De, S]
 [=*Lappula spinocarpos* var. *inermis* Botsch. in Izv. Akad. Nauk S.S.S.R., Ser. Biol. 1: 364 (1964) –**A**
 [N (Cairo), D]
Microparacaryum bungei (Boiss.) Khat., Fl. Iran 39: 406 (2002).
 [=*Paracaryum bungei* (Boiss.) Brand in H.G.A.Engler (ed.), Pflanzenr., IV, 252(Heft 78): 47 (1921)]
 –**A** [De, S]
Microparacaryum intermedium (Fresen.) Hilger & Podlech, Pl. Syst. Evol. 148(3-4): 302
 (1985).[=*Paracaryum intermedium* (Fresen.) Lipsky, Trudy Imp. S.-Peterburgsk. Bot. Sada. 26: 487
 (1910)] –**A**
 [N (Aswan province and Nubia), De, S]
Moltkiopsis ciliata (Forssk.) I.M.Johnst. in J. Arnold Arbor. 34: 3 (1953) –**S** [N, O, M, D, GE,
 S]____
Nogalia drepanophylla (Baker) Verdc., Kew Bull. 43: 432 (1988).subsp. *suaediformis* Verdc.,
 Kew Bull. 43: 434 (1988) –**P** [GE]
Nonea echioides (L.) Roem. & Schult., Syst. Veg., ed. 15, bis 4: 71 (1819).
 [=*Nonea ventricosa* (Sm.) Griseb., Spic. Fl. Rumel. 2: 98 (1844)] –**A** [S (St. Katherine)]
Nonea melanocarpa Boiss., Diagn. Pl. Orient., sér. 1, 11: 96 (1849) –**A** [M]
Nonea vivianii DC., Prodr. 10: 31 (1846) –**ANE** [M, S]
Ogastemma pusillum (Coss. & Durieu ex Bonnet & Barratte) Brummitt, Kew Bull. 36: 680
 (1982) –**A** [De, S]
Paracaryum calathicarpum (Stocks) Boiss., Fl. Orient. 4: 254 (1875) –**A** [S]
Paracaryum rugulosum (DC.) Boiss., Diagn. Pl. Orient., ser. 1, 11: 129 (1849) –**B/P** [De, S]
Podonosma galalensis Schweinf. ex Boiss., Fl. Orient. 4(2): 1199 (1879) –**P NE** [De, GE]
Pseudolappula sinaica (A.DC.) Khoshokhan, Sherafati & Kaz.Osaloo, Ann. Bot. Fenn. 55: 302
 (2018). [= *Lappula sinaica* (A.DC.) Asch. & Schweinf., Mém. Inst. Egypt. 2: 111 (1887)] –**A**[S]
Trichodesma africanum (L.) Sm. in A.Rees, Cycl. 36: n.° 2 (1817).
 [= *Trichodesma africanum* (L.) R.Br., Prodr. Fl. Nov. Holl. 1:496 (1810)]
 var. *abyssinicum* Brand in H.G.A.Engler (ed.), Pflanzenr., IV, 252 (Heft 78): 30 (1921)] –**A/P**
 [GE]
 var. *africanum* –**A/P** [N, O, M, D, R, GE, S]
 var. *heterotrichum* Bornm. & Kneuck., Allg. Bot. Z. Syst. 22: 3 (1916) –**A/P** [De, R, S]
Trichodesma ehrenbergii Schweinf., Z. Ges. Erdk. Berlin 4: 337 (1869) –**A**[N (Aswan), De, R,
 GE, S]
56. VAHLIACEAE (1 genus, 3 species)
Vahlia dichotoma (Murray) Kuntze, Revis Gen. Pl. 1: 227 (1891) –**A** [N (Aswan, Nile
 islands)]
Vahlia digyna (Retz.) Kuntze, Rev. Gen. Pl. 1:227 (1891) –**A** [N (Qena, Aswan, Nubia)]
Vahlia geminiflora (Caill. & Delile) Bridson, Kew Bull. 30: 179 (1975) –**A** [N (Qena, Aswan,
 Nubia)]
57. CONVOLVULACEAE (12 genera, 67 taxa)
Calystegia silvatica (Kit) Griseb., Spic. Fl. Rumel. 2: 74 (1844). subsp. *silvatica* –**P** [M
 (Alexandria)]
Convolvulus althaeoides L., Sp. Pl., ed. 1, 1: 156 (1753)
 subsp. *althaeoides* –**P**[M, O, De, S]

- *subsp. *tenuissimus* (Sm.) Batt., Fl. Algérie: 592 (1890) –**P** [M]
Convolvulus arvensis L., Sp. Pl., ed. 1, 1: 153 (1753) –**P** [N, O, M, D, R, GE, S]
Convolvulus dorycnium L., Syst. Nat., ed. 10, 2: 923 (1759). subsp. *dorycnium* –**P** [M]
Convolvulus fatmensis Kunze, Index Seminum (LZ, Lipsiensis) 1839: 2, adnot. (1839).
 [=*Convolvulus fatmensis* Kunze, Flora (Regensburg) 23: 172 (1840)] –**A**/**P**[N, O, M, D, S]
Convolvulus glomeratus Choisy in A.P.de Candolle, Prodr. 9: 401 (1845).
 var. *glomeratus* –**P**[De, R, GE, S]
Convolvulus humilis Jacq., Collectanea 4: 209, t. 32 (1791) –**A** [M]
Convolvulus hystrix Vahl, Symb. Bot. 1: 16 (1790)
 subsp. *hystrix* –**S** [D, R, GE, S]
Convolvulus lanatus Vahl, Symb. Bot. 1: 16 (1790) –**S** [N, M, D, S]
Convolvulus lineatus L., Syst. Nat., ed. 10, 2: 923 (1759) –**S** [M]
Convolvulus oleifolius Desr. in J.B.A.M.de Lamarck, Encycl. 3: 552 (1792)
 var. *oleifolius* –**S**[M, S]
Convolvulus palaestinus Boiss., Diagn. Pl. Orient., sér. 1, 11: 84 (1849) –**P** **NE** [S]
Convolvulus pilosellifolius Desr. in J.B.A.M.de Lamarck, Encycl. 3: 551 (1792)
 *var. *linearifolius* Sa'ad, Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 281: 191 (1967) –**P** [S]
 var. *pilosellifolius* –**P** [N, O, M, De, GE, S]
Convolvulus prostratus Forssk., Fl. Aegypt.-Arab.: 203 (1775) –**P** [N, O, De, R, GE, S]
Convolvulus rhyniospermus Hochst. ex Choisy in A.P.de Candolle, Prodr. 9: 405 (1845) –**A**
 [GE]
Convolvulus scammonia L., Sp. Pl., ed. 1, 1: 153 (1753) –**R** **P** [S]
Convolvulus schimperi Boiss, Diagn. Pl. Orient., sér. 1, 11: 81 (1849) –**P** **NE** [S]
Convolvulus secundus Desr. in J.B.A.M.de Lamarck, Encycl. 3: 553 (1792) –**P**[?S]
Convolvulus siculus L., Sp. Pl., ed. 1, 1: 156 (1753).
 subsp. *elongatus* Batt. in J.A.Battandier & L.C.Trabut, Fl. Algérie 2: 595 (1890)
 [=*Convolvulus siculus* subsp. *agrestis* (Schweinf.) Verdc., Kew Bull. 12: 344 (1957)] –**A**/**P** [R, GE]
 subsp. *siculus* –**A**/**P**[O, M, GE]
Convolvulus spicatus Peter ex Hallier f., Bot. Jahrb. Syst. 18: 99 (1893) –**P****NE** [S]
Convolvulus stachydifolius Choisy in A.P.de Candolle, Prodr. 9: 408 (1845)
 var. *villosus* Hallier f., Bot. Jahrb. Syst. 18: 107 (1893) –**P** [M]
Cressa cretica L., Sp. Pl., ed. 1, 1: 223 (1753) –**P** [N, O, M, D, R, GE, S]
Cuscuta approximata Bab., Ann. Mag. Nat. Hist. 13: 253 (1844). subsp. *approximata* –**A**[N, S]
 **Cuscuta brevistyla* A.Braun ex A.Rich., Tent. Fl. Abyss. 2: 79 (1850).
 var. *brevistyla* –**A** [M, De, S]
Cuscuta campestris Yunck., Mem. Torrey Bot. Club 18: 138 (1932) –**A** [N, O, M, De, S]
Cuscuta chinensis Lam., Encycl. 2: 229 (1786). var. *chinensis* –**A** [GE]
Cuscuta epilinum Weihe in C.M.F.von Boenninghausen, Prodr. Fl. Monast. Westphal.: 75
 (1824) –**P** [N, M]
Cuscuta monogyna Vahl, Symb. Bot. 2: 32 (1791).subsp. *monogyna* –**A** [N]
Cuscuta palaestina Boiss., Diagn. Pl. Orient., ser. 2, 1: 86 (1849). var. *palaestina* –**A** [M, De, S]
Cuscuta pedicellata Ledeb., Fl. Altaic. 1: 293 (1829) –**A** [N, O, M, D, GE, S]
Cuscuta planiflora Ten., Fl. Napol. 3: 250 (1828)
 var. *planiflora* –**A** [N, M, D, R, S]

- *var. *sicula* (Tineo ex Engelm.) Trab. ex Yunck., Mem. Torrey Bot. Club 18: 294 (1932) –**A**[GE]
Dichondra micrantha Urb., Symb. Antill. 9: 243 (1924) –**P**[N (Cairo)]
Distimake aegyptius (L.) A.R.Simões & Staples, Bot. J. Linn. Soc. 183: 573 (2017).[=Merremia
aegyptia (L.) Urb., Symb. Antill. 4: 505 (1910)] –**A** [GE]
Distimake dissectus (Jacq.) A.R.Simões & Staples, Bot. J. Linn. Soc. 183: 574 (2017).
[=Merremia dissecta (Jacq.) Hallier f., Bot. Jahrb. Syst. 16: 552 (1893)] –**P** [N]
Distimake semisagittus (Griseb. ex Peter) A.R.Simões & Staples, Bot. J. Linn. Soc. 183 (4): 575
(2017). [=Merremia semisagitta (Griseb ex Peter) Dandy in F.W.Andrews, Fl. Pl. Sudan 3: 125
(1956)] –**P** [GE]
Echiochilon fruticosum Desf., Fl. Atlant. 1: 166 (1798) –**S**[N, M, De, S]
Echium angustifolium Mill., Gard. Dict., ed. 8: n.º 6 (1768).
subsp. *angustifolium* –**P** [N, M, D, S]
subsp. *sericeum* (Vahl) Klotz, Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg, Math.-
Naturwiss. Reihe 11 (2):
298 (1962) –**P**[M]
Echium glomeratum Poir. in J.B.A.M.de Lamarck, Encycl. 8: 670 (1808) –**B**/**P** [M]
Echium horridum Batt., Bull. Soc. Bot. France 39: 336 (1892) –**A**/**P** [De, R, GE, S]
Echium longifolium Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 184 (1813) –**A** [N, D]
Echium plantagineum L., Mant. Pl. 2: 202 (1771) –**A**/**P**[M (Mersa Matruh)]
Echium rauwolfii Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 195 (1813) –**A** [N, M, De, S]
Echium rubrum Forssk., Fl. Aegypt.-Arab.: 41 (1775) –**A** [(male plants) N, M; (female plants)
N, M, S]
Echium sabulicola Pomel, Nouv. Mat. Fl. Atl. 1: 90 (1874).
subsp. *sabulicola* [=Echium sabulicola Pomel, Bull. Soc. Sci. Phys. Algérie 11: 90 (-91) (1874) var.
sabulicola] –**A**/**P** [M]
Echium tenue Roth, Catal. Bot. 2: 16 (1800).
[=Echium sabulicola var. *tenue* (Roth) Hadidy in L.Boulos, Fl. Egypt Checklist: 123 (1995)] –**A**/**P**
[M]
Evolvulus alsinoides (L.) L., Sp. Pl., ed. 2: 391 (1762) –**A**/**P** [GE]
Evolvulus nummularius (L.) L., Sp. Pl., ed. 2: 391 (1762) –**P** [GE]
Ipomoea biflora (L.) Pers., Syn. Pl. 1: 183 (1805).
[=Ipomoea sinensis subsp. *blepharosepala* (Hochst. ex A.Rich.) A.Meeuse, Bothalia 6: 729 (1958)] –
A [De, GE]
Ipomoea cairica (L.) Sweet, Hort. Brit.: 287 (1826) –**P** [N, M, De]
Ipomoea carnea Jacq., Enum. Syst. Pl.: 13 (1760) –**S** [N, M, De]
Ipomoea eriocarpa R.Br., Prodr. Fl. Nov. Holland.: 484 (1810) –**A** [N]
Ipomoea hederacea Jacq., Collectanea 1: 124 (1787). [=Ipomoea hederacea Jacq., Icon. Pl. Rar. 1,
t. 36 (1786)] –**A** [N]
**Ipomoea heptaphylla* Sweet, Hort. Brit., ed. 2: 372 (1830). [=Ipomoea wrightii A.Gray, Syn. Fl.
N. Amer. 2 (1): 213 (1878)] –**A** [N]
Ipomoea imperati (Vahl) Griseb., Cat. Pl. Cub.: 203 (1866).
[=Ipomoea stolonifera J.F.Gmel., Syst. Nat.: 345 (1791)] –**S** [N, M, De, S]
Ipomoea obscura (L.) Ker Gawl., Bot. Reg. 3: t. 239 (1817) –**P** [GE]
Ipomoea pes-caprae (L.) R.Br. in J.H.Tuckey, Narr. Exped. Zaire: 477 (1818).

- subsp. *brasiliensis* (L.) Ooststr., Blumea 3(3): 533 (1940) –**P** [N, M, De, S]
Ipomoea purpurea (L.) Roth, Bot. Abh. Beobacht.: 27 (1787) –**A** [N (Faiyum)]
Ipomoea sinaica* Täckh., Stud. Fl. Egypt: 176 (1956) –A** [S]
Ipomoea triloba* L., Sp. Pl., ed. 1, 1: 161 (1753) –A** [N]
Jacquemontia tamnifolia (L.) Griseb., Fl. Brit. W. I.: 474 (1862) –**A**[GE]
Seddera arabica (Forssk.) Choisy in A.P.de Candolle, Prodr. 9: 441 (1845) –**S**[GE]
Seddera latifolia Hochst. & Steud., Flora 27 (Bes. Beil.): 8 (1844) [=var. *latifolia*] –**S** [De, GE, S]
58. SOLANACEAE (9 genera, 41 taxa)
Datura ferox L., Demonstr. Pl.: 6 (1753) –**A** [S]
Datura innoxia Mill., Gard. Dict., ed. 8, n.° 5 (1768) –**A** [N, M, De, S]
Datura metel L., Sp. Pl., ed. 1, 1: 179 (1753) –**S** [N, M, De, S]
Datura stramonium L., Sp. Pl., ed. 1, 1: 179 (1753)
var. *stramonium* –**A** [N, S]
*var. *tatula* (L.) Torr., Fl. N. Middle United States 1: 232 (1824) –**A** [N]
Hyoscyamus albus L., Sp. Pl., ed. 1, 1: 180 (1753) –**A/P** [M, R, S]
Hyoscyamus aureus L., Sp. Pl., ed. 1, 1: 180 (1753) –**P** [De, S]
Hyoscyamus boveanus (Dunal) Asch. & Schweinf., Mém. Inst. Egypt. 2: 113 (1887) –**A****E** [N, O, M, De, R, S]
Hyoscyamus desertorum (Asch. ex Boiss.) Täckh., Svensk Bot. Tidskr. 36: 252 (1942) –**A**[M, De, S]
Hyoscyamus muticus L., Mant. Pl. 1: 45 (1767).
subsp. *muticus* –**P/S** [N, O, M, D, R, GE, S]
Hyoscyamus pusillus L., Sp. Pl., ed. 1, 1: 180 (1753) –**A** [S]
Hyoscyamus reticulatus L., Sp. Pl., ed. 2: 257 (1762) –**A/P**[S]
Lycium europaeum L., Sp. Pl., ed. 1, 1: 192 (1753) –**S** [N, M, De, R, S]
Lycium schweinfurthii Dammer, Bot. Jahrb. Syst. 48: 224 (1912).
var. *aschersohnii* (Dammer) Feinbrun, Collect. Bot. (Barcelona) 7: 368 (1968) –**S** **NE** [N, M]
var. *schweinfurthii* –**S**[M]
Lycium shawii Roem. & Schult., Syst. Veg., ed.15, 4: 693 (1819) –**S** [M, De, R, GE, S]
Nicandra physalodes (L.) Gaertn., Fruct. Sem. Pl. 2: 327 (1791).
[=*Nicandra physalodes* (L.) Scopoli, Int. Hist. Nat. 182 (1777) nom. invalid ??] –**A/P** [N]
Nicotiana glauca Graham, Edinburgh New Philos J. 5: 175 (1828) –**S/T** [N, O, M, De, S]
Nicotiana glutinosa* L., Sp. Pl., ed. 1, 1: 181 (1753) –A** [M]
Nicotiana plumbaginifolia Viv., Elench. Pl. Dinegro: 26 (1802) –**A**[N]
Nicotiana rustica L., Sp. Pl., ed. 1, 1: 180 (1753) –**A**[N, O (Uweinat), M, S]
Physalis angulata L., Sp. Pl., ed. 1, 1: 183 (1753) –**A** [N]
Physalis ixocarpa Brot. ex Hornem., Hort. Bot. Hafn. Suppl.: 26 (1819) –**A** [N]
Physalis peruviana* L., Sp. Pl., ed. 2: 1670 (1763) –P** [N, O, M, De, S]
Salpichroa origanifolia* (Lam.) Baill., Hist. Pl. 9: 288 (1888) –A/P** [N]
Solanum coagulans Forssk., Fl. Aegypt.-Arab.: 47 (1775) –**A** [R, GE]
Solanum diphyllum* L., Sp. Pl., ed. 1, 1: 184 (1753) –S** [N]
Solanum elaeagnifolium Cav., Icon. 3: 22 (1795) –**P**[N, M, S (Rafah)]
Solanum forskaoilii Dunal, Hist. Nat. Solanum: 237 (1813) –**S** [GE]

- Solanum incanum* L., Sp. Pl., ed. 1, 1: 188 (1753) –**S** [N, GE]
 Solanum memphiticum* J.F. Gmel., Syst. Nat., ed. 13[bis]. 2(1): 385 (1791) –A/S** [S]
Solanum nigrum L., Sp. Pl., ed. 1, 1: 186 (1753).
 var. *elbaensis* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 102, f. 16 (1974) –**A E** [De, R, GE]
 var. *incisum* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 101, f. 16 (1974) –**A** [N, M, De, S]
 var. *nigrum* –**A** [N, O, M, D, S, R, GE]
Solanum schimperianum Hochst., Flora 24(1, Intelligenzbl.): 24 (1841). [=*Solanum schimperianum* Hochst. ex A. Rich., Tent. Fl. Abyss. 2: 98 (1851)] –**S** [GE]
Solanum sinaicum Boiss., Diagn. Pl. Orient., ser. 1, 11: 135 (1849) –**P NE** [S]
Solanum villosum Mill., Gard. Dict., ed. 8, n.º 2 (1768).
 subsp. *miniatum* (Bernh. ex Willd.) J.M.Edmonds, Bot. J. Linn. Soc. 89: 166 (1984) –**A** [S, De]
 subsp. *villosum* –**A** [N, O, M, GE, S]
Solanum virginianum L., Sp. Pl., ed. 1, 1: 187 (1753) –**S** [R]
Withania obtusifolia Täckh., Svensk Bot. Tidskr. 26: 370, f. 1-3 (1932) –**S NE** [GE, S]
Withania somnifera (L.) Dunal in A.P.de Candolle, Prodr. 13 (1): 453 (1852) –**P/S** [N, O, M, GE, S]

59. SPHENOCLEACEAE (1 genus, 1 species)

Sphenoclea zeylanica Gaertn., Fruct. Sem. Pl. 1: 113, t. 24/5 (1788) –**A** [O (Bahariya)]

60. OLEACEAE (2 genera, 4 taxa)

- Olea europaea* L., Sp. Pl., ed. 1, 1: 8 (1753). subsp. *cuspidata* (Wall. & G.Don) Cif., Olivicultore 19 (5): 96 (1942) –**T/S** [De, GE] subsp. *europaea* [= *Olea europaea* var. *sylvestris* (Mill.) Lehr in Diss. Bot.-Med. *Olea europaea*: 20 (1779)] –**S** [M, Dw]
Jasminum fluminense Vell., Fl. Flumin. 1: 10, t. 23 (1829). subsp. *gratissimum* (Deflers) P.S.Green, Kew Bull. 41: 417 (1986) –**S/C** [GE]
Jasminum grandiflorum L., Sp. Pl., ed. 2.: 9 (1762). subsp. *floribundum* (R.Br. ex Fresen.) P.S.Green, Kew Bull. 41: 414 (1986) –**S** [GE]

61. PLANTAGINACEAE (11 genera, 64 taxa)

- Anarrhinum forskaohlii* (J.F.Gmel.) Cufod., Bull. Jard. Bot. État Bruxelles 33(Suppl.): 891 (1963).
 *subsp. *forskaohlii* –**P NE** [S]
 subsp. *pubescens* D.A.Sutton, Rev. Antirrh.: 258 (1988).
 [= *Anarrhinum pubescens* Fresen., Mus. Senckenberg. 1: 89 (1833)] –**P E** [S]
Bacopa monnieri (L.) Wettst. in H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 4 (3b): 77 (1891).
 [= *Bacopa monnieri* (L.) Pennell, Proc. Acad. Nat. Sci. Philad. 98: 94 (1946)] –**P** [N, De, S]
Globularia arabica Jaub. & Spach., III. Pl. Orient 3(26): 75, t. 260 (1848) –**S** [M, De, S]
Kickxia aegyptiaca (L.) Nábělek, Spisy Přír. Fak. Masarykovy Univ. 70: 31 (1926).
 subsp. *aegyptiaca* –**P** [N, O, M, D, R, S]
Kickxia elatine (L.) Dumort., Fl. Belg.: 35 (1827).
 subsp. *sieberi* (Rchb.) Hayek, Repert. Spec. Nov. Regni Veg. Beih. 30(2): 144 (1929). [= *Kickxia elatine* subsp. *crinita* (Mabille) Greuter, Boissiera 13: 108 (1967)] –**A** [N, O, M]
Kickxia floribunda (Boiss.) Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 97 (1974) –**P NE** [M, De, R, S]
Kickxia pseudoscoparia V.W.Sm. & D.A.Sutton, Rev. Antirrh.: 231 (1988) –**S** [GE, S]

- Kickxia spuria* (L.) Dumort., Fl. Belg.: 35 (1827). subsp. *integrifolia* (Brot) R.Fern., Bot. J. Linn. Soc. 64: 74 (1971) –A [N, S]
- Limosella aquatica* L., Sp. Pl., ed. 1, 2: 631 (1753).
var. *aquatica* –A [N]
- Linaria albifrons* (Sm.) Spreng., Syst. Veg., ed.16, 2: 793 (1825) –A [M, De, S]
- Linaria chalepensis* (L.) Mill, Gard. Dict., ed. 8: n.º (1768).
var. *chalepensis* –A [M, S]
- Linaria haelava* (Forssk.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 66 (1813) –A NE [M, D, S]
- Linaria joppensis* Bornm. in Verh. K.K., Zool. Bot. Ges. Wien 48: 612 (1898) –A NE [S]
- Linaria micrantha* (Cav.) Hoffmanns. & Link, Fl. Port. 1: 258 (1811) –A [M]
- Linaria simplex* Desf. Tabl. École Bot: 65 (1804) –A [S]
- Linaria tenuis* (Viv.) Spreng., Syst. Veg., ed. 16, 2: 795 (1825) –A [M, De, S]
- Misopates microcarpum* (Pomel) D.A.Sutton, Rev. Antirrh. 151 (1988) –A [De (northern Galala)]
- Misopates orontium* (L.) Raf., Autik. Bot.: 158 (1840).
subsp. *orontium* –A [N, O, M, De, R, GE, S]
- Nanorrhinum acerbianum* (Boiss.) Betsche, Courier Forschungsinst. Senckenberg 71: 132 (1984).
subsp. *acerbianum*
[=*Kickxia acerbiana* (Boiss.) Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 98 (1974)] –A/P [D, R, GE, S]
- *subsp. *montanum* Betsche, Courier Forschungsinst. Senckenberg 71: 132 (1984) –A/P E [S]
- Nanorrhinum hastatum* (R.Br. ex Benth.) Ghebr., Nordic J. Bot. 20 (6): 677 (2001).
[=*Kickxia hastata* (R.Br. ex Benth.) Dandy in F.W. Andrews, Fl. Pl. Sudan 3: 137 (1956)] –A [GE]
- Nanorrhinum heterophyllum* (Schousb.) Ghebr., Nordic J. Bot. 20(6): 683 (2001).
[=*Kickxia gracilis* D.A.Sutton, Rev. tribe Antirrh.: 222 (1988)] –S [De, GE, S]
[=*Kickxia heterophylla* (Schousb.) Dandy in F.W.Andrews, Fl. Pl. Sudan 3: 137 (1956)] –P
[De, R, GE] *Nanorrhinum macilentum* (Decne.) Betsche, Courier Forschungsinst. Senckenberg 71: 132 (1984). [=*Kickxia macilenta* (Decne.) Danin in Danin & Hedge, Notes Roy. Bot. Gard. Edinburgh 32: 265 (1973)] –S NE [S]
- **Nanorrhinum scariosepalum* (Täckh. & Boulos) Yousefi & Zarre, Nordic J. Bot. 34: 461 (2016) –P E [S]
- Nanorrhinum scoparium* (Brouss. ex Spreng.) Yousefi & Zarre, Nordic J. Bot. 34: 461 (2016).[=*Kickxia scoparia* (Brouss. ex Spreng.) G.Kunkel & Sunding, Monogr. Biol. Canar. 3: 67 (1972)] –P [GE, S]
- Plantago afra* L., Sp. Pl., ed. 2: 168 (1762).
subsp. *afra* –A [N, O, M, De, R, GE, S]
- Plantago albicans* L., Sp. Pl., ed. 1, 1: 114 (1753) –P [M, D, S]
- Plantago amplexicaulis* Cav., Icon. 2: 22 (1793). subsp. *bauphula* (Edgew.) Rech.f., Fl. Iranica 15: 11 (1965) –A [N, M, De, R, GE, S]
- Plantago ciliata* Desf., Fl. Atlant. 1: 137 (1798) –A [N, O, M, D, R, GE, S]
- Plantago coronopus* L., Sp. Pl., ed.1, 1: 115 (1753).subsp. *coronopus* –P [N, M, R]
subsp. *macrorrhiza* (Poir.) Arcang., Comp. Fl. Ital.: 501 (1882). [= *Plantago macrorrhiza* Poir., Voy. Barbarie 2: 114 (1789)] –P [M]

- Plantago crassifolia* Forssk., Fl. Aegypt.-Arab.: 31 (1775) –**P**[N, M]
- Plantago crypsoides* Boiss., Fl. Orient. 4: 888 (1879) –**A** NE [N, O, M, D, S]
- Plantago cylindrica* Forssk., Fl. Aegypt.-Arab.: 31 (1775) –**P** rarely **A**[N, M, D, S]
- Plantago exigua* Murray, Commentat. Soc. Regiae Sci. Gott. 1778: 94, t. 5 (1778) –**A** [N, O, De]
- Plantago indica* L., Syst. Nat., ed. 10. 2: 896 (1759).
[=*Plantago arenaria* Waldst. & Kit., Descr. Icon. Pl. Hung. 1: 51 (1801)] –**A** [N, O, M, D, S]
- Plantago lagopus* L., Sp. Pl., ed. 1, 1:114 (1753)
subsp. *lagopus* –**A**/**P** [N, O, M, De, R, GE]
- Plantago lanceolata* L., Sp. Pl., ed. 1, 1: 113 (1753) –**P** [N, De]
- Plantago major* L., Sp. Pl., ed. 1, 1: 112 (1753)
subsp. *major* –**P** [N, O, M, De, S]
- Plantago notata* Lag., Gen. Sp. Pl.: 7 (1816) –**A** [N, M, Dw, S]
- Plantago ovata* Forssk., Fl. Aegypt.-Arab.: 31 (1775) –**A**[N, M, De, R, S]
- Plantago phaeostoma* Boiss. & Heldr., P.E.Boissier, Diagn. Pl. Orient., ser. 2, 4: 71 (1859) –**A**[M, D, S]
- Plantago sinaica* (Barnéoud)Decne. in A.P.de Candolle, Prodr. 13(1): 733 (1852) –**S** NE [S]
- Plantago squarrosa* Murray, Commentat. Soc. Regiae Sci. Gott. 4 (Cl. Phys.): 38 (1782) –**A**
[N, M, De, S]
- Plantago weldenii* Rchb., Fl. Germ. Excurs. 1: 396 (1831). subsp. *weldenii*
[=*Plantago commutata* Guss., Fl. Sicul. Prodr., Suppl.: 46 (1832)] –**A**/**B** [N, O, M, De, S]
- Schweinfurthia pedicellata* (T.Anderson) Balf.f., Trans. Roy. Soc. Edinburgh 31: 201 (1888) –**A**
[GE]
- Veronica anagallis-aquatica* L., Sp. Pl., ed. 1, 1: 12 (1753)
var. *anagallis-aquatica* –**P** [N, O, M, S]
- *var. *nilotica* R.Uechtr. in P.F.A.Ascherson & al., Ill. Fl. Égypte 2: 117 (1887) –**P** NE [N]
- Veronica anagalloides* Guss., Pl. Rar. 5. 1. 3 (1826).
*subsp. *anagalloides* –**A**/**P** [S]
- subsp. *taeckholmiorum* Chrtek & Osb.-Kos., Folia Geobot. Phytotax. 16 (4): 426 (1981) –**A**/**P**
E [N, M]
- **Veronica beccabunga* L., Sp. Pl., ed. 1, 1: 12 (1753)
subsp. *beccabunga* –**P** [N, O, M, S]
- Veronica biloba* Schreb. ex L., Mant. Pl. 2: 172 (1771) –**A**[S]
- Veronica campylopoda* Boiss., Diagn. Pl. Orient., ser. 1, 4: 80 (1844) –**A**[S]
- Veronica catenata* Pennell, Rhodora 23: 37 (1921).
subsp. *catenata* –**A** [N]
- subsp. *pseudocatenata* Chrtek & Osb.-Kos., Folia Geobot. Phytotax. 16: 430 (1981) –**P** NE
[N, O, M, R, S]
- **Veronica cymbalaria* Bodard, Mém. Véronique Cymb.: 3 (1798) –**A** [M]
- **Veronica heureka* (M.A.Fisch.) Tzvelev, Bot. Zhurn. (Moscow & Leningrad) 69: 1257 (1984) –
A[N, S]
- Veronica kaiseri* Täckh., Svensk Bot. Tidskr. 36: 250 (1942) –**P** NE [S]
- Veronica persica* Poir. in J.B.A.M.de Lamarck, Encycl. 8: 542 (1808) –**A** [N, M]
- Veronica polita* Fr., Novit. Fl. Svec.: 63 (1819).
subsp. *polita* –**A**[N, O, M]

- Veronica rubrifolia* Boiss., Diagn. Pl. Orient., ser. 1, 12: 46 (1853). subsp. *respectatissima*
M.A.Fisch., Fl. Iranica 147, 1: 71, t. 48(1981) –**A** [S]
- Veronica scardica* Griseb., Spic. Fl. Rumel. 2: 31 (1844). subsp. *africana* Chrtek & Osb.-Kos.,
Folia Geobot. Phytotax. 16 (4): 433 (1981) –**P** **NE** [N, O]
- Veronica syriaca* Roem. & Schult, Syst. Veg., ed.15 [bis]. 1: 116 (1817) –**A** [M]
- 62. SCROPHULARIACEAE** (4 genera, 17 taxa)
- Anticharis arabica* Endl. in S.L.Endlicher & E.Fenzl., Nov. Stirp. Dec. 23 (1839) –**A** [De, GE]
- Anticharis glandulosa* Asch., Monatsber. Königl. Preuss. Akad. Wiss. Berlin 1866: 880 (1866) –
A
[O, M, De, R, GE, S]
- Anticharis senegalensis* (Walp.) Bhandari, Bull. Bot. Surv. India 6: 327 (1965).
[=*Anticharis linearis* (Benth.) Hochst. ex Asch., Monatsber. Königl. Preuss. Akad. Wiss. Berlin
1866: 882 (1866)] –**A** [De, R, GE]
- Jamesbrittenia dissecta* (Delile) Kuntze, Revis. Gen. Pl. 2: 461 (1891) –**A** [N]
- Scrophularia arguta* Aiton, Hort. Kew., ed. 1, 2: 342 (1789) –**A** [GE]
- Scrophularia canina* L., Sp. Pl., ed. 1, 2: 621 (1753) –**P** [M (Mersa Matruh to Sollum)]
- Scrophularia deserti* Delile, Descr. Egypte, Hist. Nat. 2 (Mém.) 240, t. 33, f. 1 (1813).
[=*Scrophularia sinaica* Benth. in A.P.de Candolle, Prodr. 10: 314 (1846)] –**P** [N, M, De, GE, S]
- Scrophularia hypericifolia* Wydler, Mém. Soc. Phys. Genève 4: 166 (1828).
[=*Scrophularia syriaca* Benth. in A.P.de Candolle, Prodr. 10: 316 (1846)] –**S** [De, S]
- Scrophularia libanotica* Boiss., Diagn. Pl. Orient., ser. 1, 12: 36 (1853).
subsp. *libanotica* –**P** [S]
- Scrophularia xanthoglossa* Boiss., Diagn. Pl. Orient., ser. 1, 12: 38 (1853).
var. *xanthoglossa* –**P** [De, R, S]
- Verbascum decaisneanum* Kuntze, Revis. Gen. Pl. 2: 468 (1891) –**P** **NE** [S]
- Verbascum eremobium* Murb., Acta Univ. Lund., 2, 29 (2): 458 (1933) –**P** **NE** [S]
- Verbascum fruticosum* Post, Bull. Herb. Boissier 1: 405 (1893) –**P** **NE** [S]
- Verbascum letourneuxii* Asch. & Schweinf., Mém. Inst. Egypt. 2: 189 (1887) –**S****NE** [M, Dw, S]
- Verbascum schimperianum* Boiss., Diagn. Pl. Orient., sér. 1. 12: 11 (1853) –**P** **NE** [S]
- Verbascum sinaiticum* Benth. in A.P.de Candolle, Prodr. 10: 236 (1846) –**B** [S]
- Verbascum sinuatum* L., Sp. Pl., ed. 1, 1: 178 (1753).
var. *adenosepalum* Murb., Acta Univ. Lund., 2, 29 (2): 371 (1933) –**B** [N, O, De, S]
- 63. PEDALIACEAE** (3 genera, 3 taxa)
- Pedaliium murex* L., Syst. Nat., ed. 10, 2: 1123 (1759) –**A** [GE]
- Rogeria adenophylla* J.Gay ex Delile, Cent. Pl. Afr. Voy. Méroé: 78, 106 (1826).
subsp. *adenophylla* –**P** [GE]
- Sesamum alatum* Thonn. in C.F.Schumacher, Beskr. Guin. Pl.: 284 (1827) –**A** [De]
- 64. ACANTHACEAE** [incl. **AVICENNIACEAE**] (8 genera, 12 taxa)
- Avicennia marina* (Forssk.) Kaiserl. Akad. Wiss., Wien. Math. -Naturwiss. Kl. 71: 435 (1907)
subsp. *marina* –**I**/**S** [R, S]
- Barleria acanthoides* Vahl., Symb. Bot. 1: 47 (1790) –**S** [De, GE]
- Barleria hochstetteri* Nees in A.P.de Candolle, Prodr. 11: 231 (1847) –**S** [GE]
- Blepharis attenuata* Napper, Israel J. Bot. 21: 164 (1972) –**A**/**P****NE** [De, S]
- Blepharis edulis* (Forssk.) Pers., Syn. Pl. 2: 180 (1806) –**A**/**P** [M, D, R, GE, S]

- **Dicliptera aegyptiaca* E. Shams, Egypt. J. Bot. 59(2): 477 (2019) –**A****E** [R]
Dicliptera paniculata (Forssk.) I.Darbysh., Kew Bull. 62(1): 122 (2007).
 [= *Peristrophe paniculata* (Forssk.) Brummitt, Kew Bull. 38 (3): 451 (1983)] –**A** [De, R, GE]
Ecbolium viride (Forssk.) Alston in H. Trimen, Handb. Fl. Ceylon 6 (Suppl.): 229 (1931) –**S**
 [GE]
Justicia heterocarpa T. Anderson, J. Proc. Linn. Soc. London, Bot. 7: 41 (1863).
 subsp. *heterocarpa* –**A** [GE]
Justicia ladanoides Lam., Tabl. Encycl. 1(1): 42 (1791) –**A** [GE]
 Meiosperma debile* (Forssk.) I.Darbysh. & E.A. Tripp, Kew Bull. 77: 257 (2022) –A**/**P** [GE]
Ruellia patula Jacq., Misc. Austriac. Bot. 2: 358 (1779) –**P** [R, GE]
65. LENTIBULARIACEAE (1 genus, 3 species)
Utricularia gibba L., Sp. Pl., ed. 1, 1: 18 (1753) –**A**/**P** [O]
Utricularia inflexa Forssk., Fl. Aegypt.-Arab.: 9 (1775) –**A**/**P** [N (Nile Delta), M]
 Utricularia stellaris* L.f., Suppl. Pl.: 86 (1782) –P**[N]
66. VERBENACEAE (5 genera, 7 taxa)
Lantana camara L., Sp. Pl., ed. 1, 2: 627 (1753) –**S** [N (Aswan)]
Lantana viburnoides (Forssk.) Vahl, Symb. Bot. 1: 45 (1790) –**S** [GE]
Phyla nodiflora (L.) Greene, Pittonia 4: 46 (1899).
 var. *nodiflora* –**P** [N, O, M, D, R, S]
Premna resinosa (Hochst.) Schauer in A.P. de Candolle, Prodr. 11: 637 (1847).
 subsp. *resinosa* –**S**[GE]
Priva adhaerens (Forssk.) Chiov., Bull. Soc. Bot. Ital. 1923: 115 (1923) –**S** [GE]
Verbena officinalis L., Sp. Pl., ed. 1, 1: 20 (1753). var. *officinalis* –**P** [N, O, M, De]
Verbena supina L., Sp. Pl., ed. 1, 1: 21 (1753) –**A** [N, O, M, R]
67. LAMIACEAE [LABIATAE] (28 genera, 69 taxa)
Ajuga chamaepitys (L.) Schreb., Pl. Verticill. Unilab. Gen. Sp.: 24 (1773).
 subsp. *tridactylites* (Ging. ex Benth.) P.H. Davis, Notes Roy. Bot. Gard. Edinburgh 38: 29 (1980)
 –**P** [S]
Ajuga iva (L.) Schreb., Pl. Verticill. Unilab. Gen. Sp.: 25 (1773) –**P** [O (Uweinat), M, S]
Ballota kaiseri Täckh., Svensk Bot. Tidskr. 26: 378 (1932) –**P** **E** [S]
Ballota saxatilis Sieber ex C. Presl in J.S. Presl & C.B. Presl, Delic. Prag.: 81 (1822). subsp.
saxatilis –**P** [R, S]
 Clinopodium barbatum* (P.H. Davis) Melnikov, Turczaninowia 18 (3): 107 (2015) –P** [S]
 Coleus hadiensis* (Forssk.) A.J. Paton, PhytoKeys 129: 54 (2019) –P**[M]
Dracocephalum royleanum Benth. in N. Wallich, Pl. Asiat. Rar. 1: 65 (1830).
 [= *Lallemantia royleana* (Benth) Benth. in A.P. de Candolle, Prodr. 12: 404 (1848)] –**A**[S]
Lamium amplexicaule L., Sp. Pl., ed. 1, 2: 579 (1753).
 subsp. *amplexicaule* –**A**[N, O, M, S]
Lavandula atriplicifolia Benth. in A.P. de Candolle, Prodr. 12: 146 (1848) –**S** **NE** [N, De]
Lavandula coronopifolia Poir. in J.B.A.M. de Lamarck, Encycl. 3 (1): 308 (1789) –**P**
 [O (Uweinat), M, De, R, GE, S]
Lavandula multifida L., Sp. Pl., ed. 1, 2: 572 (1753) –**P**[De, GE]
Lavandula pubescens Decne., Ann. Sci. Nat. Bot., sér. 2, 2: 246 (1834) –**P** [De, R, S]
Leucas inflata Benth., Labiat. Gen. Spec.: 744 (1835) –**P** [De, GE, S]

- Leucas neuflyzeana* Courbon, Ann. Sci. Nat., Bot., sér. 4, 18: 145 (1862) –**A** [GE]
Leucas urticifolia (Vahl) Sm. in A.Rees, Cycl. 20: n.° 4 (1812).
 var. *urticifolia*
 [= *Leucas urticifolia* (Vahl) R.Br., Prodr. Fl. Nov. Holl. 504 (1810)] –**A** [GE]
Marrubium alysson L., Sp. Pl., ed. 1, 2: 582 (1753) –**A/P**[M, D, S]
Marrubium vulgare L., Sp. Pl., ed. 1, 2: 583 (1753) –**P** [M, S]
Mentha pulegium L., Sp. Pl., ed. 1, 2: 577 (1753) –**P** [N, O]
Mentha longifolia (L.) L., Amoen. Acad., Linnaeus ed. 4: 485 (1759).
 [= *Mentha longifolia* (L.) Huds., Fl. Angl., ed. 1: 221 (1762)].
 *subsp. *longifolia* –**P** [S]
 var. *schimperi* (Briq.) Briq., Bull. Herb. Boissier 4: 686 (1896).
 [=subsp. *schimperi* (Briq.) Briq. in Engl. & Prantl, Natürl. Pflanzenfam. 4(3a): 321 (1897)] –**P**
 NE [S]
 subsp. *typhoides* (Briq.) Harley, Notes Roy. Bot. Gard. Edinburgh 38: 38 (1980) –**P** [N, O, M, S]
 **Mentha spicata* L., Sp. Pl., ed. 1, 2: 576 (1753).
 subsp. *condensata* (Briq.) Greuter & Burdet, Willdenowia 14: 301 (1984 publ. 1985) –**P** [N, O, S]
Micromeria imbricata (Forssk.) C.Chr., Dansk Bot. Ark. 4 (3): 21 (1922) –**P** [GE]
Micromeria myrtifolia Boiss. & Hohen. in P.E.Boissier, Diagn. Pl. Orient, sér. 1. 5: 19 (1844) –**P**
 [S]
Micromeria nervosa (Desf.) Benth., Labiat. Gen. Spec.: 376 (1834) –**P** [M, Dw, S]
Micromeria serbaliana Danin & Hedge, Notes Roy. Bot. Gard. Edinburgh 32 (2): 261 (1973) –**P**
 E [S]
Micromeria sinaica Benth., Labiat. Gen. Spec.: 380 (1834) –**P**NE [R, S]
Nepeta septemcrenata Ehrenb. ex Benth., Labiat. Gen. Spec.: 484 (1834) –**P** NE [S]
Ocimum forskoelei Benth., Labiat., Gen. Spec. 1:6 (1832) –**S** [GE]
Origanum isthmicum Danin, Israel J. Bot. 18: 191 (1969) –**S** NE [S (Halal Mountain)]
Origanum syriacum L., Sp. Pl., ed. 1, 2: 590 (1753). subsp. *sinaicum* (Boiss.) Greuter & Burdet,
 Willdenowia 14 (2): 301 (1985) –**S** E [S]
 Origanum vulgare* L., Sp. Pl., ed. 1, 2: 590 (1753) –P** [S]
Orthosiphon pallidus Royle ex Benth., Bot. Misc. 3 (9): 370 (1833) –**P** [GE]
Otostegia fruticosa (Forssk.) Schweinf. ex Penzig, Atti Congr. Bot. Int. Genova: 356 (1893).
 subsp. *fruticosa* –**S**[De, R, GE, S]
 subsp. *schimperi* (Benth.) Sebald, Stuttgarter Beitr. Naturk., A 263: 66 (1973) –**S**[S]
Phlomis aurea Decne., Ann. Sci. Nat., Bot, sér. 2, 2: 251 (1834) –**P**E [S]
 **Phlomis brachyodon* (Boiss.) Zohary ex Rech.f., Oesterr. Bot. Z. 89: 290 (1940).
 subsp. *brachyodon* –**P** [S]
Phlomis floccosa D.Don, Edwards's Bot. Reg. 15: t. 1300 (1830) –**S**[O, M, S]
Phlomoides laciniata (L.) Kamelin & Makhm., Bot. Zhurn. (Moscow & Leningrad) 75: 249
 (1990).
 [= *Eremostachys laciniata* (L.) Bunge in C.F.von Ledebour, Fl. Altaic. 2: 416 (1830)] –**P** [S]
Prasium majus L., Sp. Pl., ed. 1, 2: 601 (1753) –**S** [M]
Pseudodictamnus damascenus (Boiss.) Salmaki & Siadati, Taxon 67 (4): 779 (2018).
 [= *Ballota damascena* Boiss., Diagn. Pl. Orient, sér. 1, 12: 87 (1853)] –**P** NE [M, De, S]

- Pseudodictamnus mediterraneus* Salmaki & Siadati, Taxon 67 (4): 779 (2018). [=*Ballota pseudodictamnus* (L.) Benth., Labiat. Gen. Spec.: 594 (1834)] –**P** [M (Sallum)]
- Pseudodictamnus undulatus* (Sieber ex Fresen.) Salmaki & Siadati, Taxon 67 (4): 780 (2018).
[=*Ballota undulata* (Sieber ex Fresen.) Benth., Labiat. Gen. Spec.: 595 (1834)] –**P** [De, S]
- Salvia aegyptiaca* L., Sp. Pl., ed. 1, 1: 23 (1753) –**S**[N, M, De, R, GE, S]
- Salvia deserti* Decne., Ann. Sci. Nat., Bot., sér. 2, 2: 248 (1834) –**S** NE [De, S]
- Salvia dominica* L., Sp. Pl., ed. 1, 1: 25 (1753) –**P** [S]
- Salvia lanigera* Poir. in J.B.A.M.de Lamarck, Encycl., Suppl. 5: 49 (1817).
var. *lanigera* –**P** [O, M, De, S]
- *var. *grandiflora* (Benth.) Dinsmore in Post, Fl. 2: 360 (1933) –**P** [M]
- Salvia multicaulis* Vahl, Enum. Pl. Obs. 1: 225 (1804) –**P** [S]
- Salvia palaestina* Benth., Labiat. Gen. Spec.: 718 (1835) –**P** [De, S]
- Salvia sclarea* L., Sp. Pl., ed. 1, 1: 27 (1753) –**P** [S]
- Salvia spinosa* L., Mant. Pl. 2: 511 (1771).
subsp. *spinosa* –**P** [N, M,
- Salvia verbenaca* L., Sp. Pl., ed. 1, 1: 25 (1753) –**P** [M, De]
- **Scutellaria tomentosa* Bertol., Misc. Bot. 2: 11 (1843) –**P** [S]
- Stachys aegyptiaca* Pers., Syn. Pl. 2 (1): 124 (1806) –**P** NE [N, M, De, R, S]
- Teucrium brevifolium* Schreb., Pl. Verticill. Unilab. Gen. Sp.: 27 (1773) –**S** [M (Sallum), S]
- **Teucrium capitatum* L., Sp. Pl. ed. 1, 2: 566 (1753).
subsp. *capitatum* –**S** [S]
- Teucrium decaisnei* C.Presl, Abh. Königl. Böhm. Ges. Wiss., ser. 5, 3: 530 (1845) –**S**
NE [De, S]
- **Teucrium jordanicum* (Danin) Faried, Nordic J. Bot. 33: 390 (2015).
var. *jordanicum* –**P** NE [De, S]
- var. *sinaicum* (Danin) Faried, Nordic J. Bot. 33: 391 (2015) –**P** E [R, S]
- Teucrium leucocladum* Boiss., Diagn. Pl. Orient., sér. 1, 5: 44 (1844).
*var. *leucocladum* –**P** [R, S]
- *var. *glandulosum* Danin, Willdenowia 27: 169 (1997) –**P** E [S]
- Teucrium polium* L., Sp. Pl., ed. 1, 2: 566 (1753) –**P** [M, Dw, S]
- Thymbra capitata* (L.) Cav., Elench. Pl. Horti Matr.: 37 (1803).
[=*Thymus capitatus* (L.) Hoffmanns. & Link, Fl. Portug. 1: 123 (1809)] –**S** [M]
- Thymus bovei* Benth., Labiat. Gen. Spec.: 342 (1834) –**S** NE [De, S]
- Thymus decussatus* Benth., Labiat. Gen. Spec.: 482 (1834) –**S** NE [S]
- Volkameria acerbiana* Vis. in G.F.Spongia, Comment. Med. 2: 207 (1836).
[=*Clerodendrum acerbianum* (Vis.) Benth. & Hook.f., Gen. Pl. 2: 1156 (1876)] –**S**
[N (Kom Ombo, Nubia)]
- Ziziphora capitata* L., Sp. Pl., ed. 1, 1: 21 (1753).
subsp. *capitata* –**A** [S]
- Ziziphora tenuior* L., Sp. Pl., ed. 1, 1: 21 (1753) –**A** [S]
- 68. PHRYMACEAE** (1 genus, 1 species)
- Peplidium maritimum* (L.f.) Asch., Beitr. Fl. Aethiop.: 275 (1867) –**A** [N (Damietta), S]
- 69. OROBANCHACEAE** (6 genera, 22 taxa)
- Cistanche phelypaea* (L.) Cout., Fl. Portugal: 571 (1913) –**P**[N, O, M, De, R, S]

- Cistanche tubulosa* (Schenk) Wight ex Hook.f., Fl. Brit. India 4 (2): 324 (1884).
 [=var. *tubulosa*] –**P** [N, M, De, R, GE, S]
 [=var. *albiflora* (Gilli) Hadidy in L.Boulos, Fl. Egypt Checklist: 141 (1995)] –**P** [S]
Cistanche violacea (Desf.) Hoffmanns. & Link, Fl. Portug. 1: 320 (1813). [= *Cistanche violacea* (Desf.) Beck in Engl. & Prantl, Natürl. Pflanzenfam. (IV. 3b): 129 (1893)] –**P**
 [O, M, Dw, S]
Lindenbergia indica (L.) Vatke, Oesterr. Bot. Z. 25: 10 (1875) –**S** [D, R, GE, S]
Lindernia parviflora (Roxb.) Haines, Bot. Bihar Orissa: 635 (1922) –**A** [N (Kom Ombo)]
Orobanchae aegyptiaca Pers., Syn. Pl., 2: 181 (1806) –**A/P** [N, M]
Orobanchae cernua Loebl., Iter Hispan.: 152 (1758) –**P** [N, M, De, R, S]
Orobanchae crenata Forssk., Fl. Aegypt-Arab.: 113 (1775) –**A/P** [N, O, M, De, S]
Orobanchae grisebachii Reut. in A.P.de Candolle, Prodr. 11: 28 (1847).
 [= *Orobanchae minor* var. *grisebachii* (Reut.) Hadidy in L.Boulos, Fl. Egypt Checklist: 140 (1995)] –**A**
 [N (El Marg, Cairo)]
Orobanchae lavandulacea Rehb., Iconogr. Bot. Pl. Crit. 7: 48, f. 935 (1829) –**A** [N]
Orobanchae minor Sm., Engl. Bot. 6: t. 422 (1797) –**A** [N, M, De]
Orobanchae mutelii F.W.Schultz in P.A.V.Mutel, Fl. Franç. Herbor. 2: 353, t. 43, f. 314 (1835)
 var. *mutelii* –**A/P** [N, M, De, R, S]
 *var. *sinaica* Beck, Biblioth. Bot. 4(19): 97 (1890) –**P** [S]
Orobanchae nana Noë ex Rchb., Exsicc. 1842: n.° 1352 (1842).
 [= *Orobanchae nana* (Reut.) Noë ex Beck, Biblioth. Bot. 4(19): 91, t. 1.f. 11 (1890)] –**A/P** [N, S]
Orobanchae pubescens d'Urv., Mém. Soc. Linn. Paris 1: 332 (1822). [= *Orobanchae minor* var. *pubescens* (d'Urv.) Meikle, Fl. Cyprus 2: 1897 (1985)] –**A**
 [N (Cairo), M (Alexandria-Rosetta)]
Orobanchae ramosa L., Sp. Pl., ed. 1, 2: 633 (1753) –**A/P** [N, O, M, De, GE, S]
Orobanchae schultzei Mutel, Fl. Franç. Herbor. 2: 352 (1835) –**A** [M]
Orobanchae schweinfurthii Beck, Biblioth. Bot. 4 (19): 94 (1890).
 [= *Orobanchae ramosa* var. *schweinfurthii* (Beck) Hadidy in L.Boulos, Fl. Egypt Checklist: 138 (1995)] –**A/P**
 [N, M]
Parentucellia viscosa (L.) Caruel in F.Parlatore, Fl. Ital. 6: 482 (1885) –**A** [N]
Striga asiatica (L.) Kuntze, Revis. Gen. Pl. 2: 466 (1891) –**A** [N (Abu Zaabal, near Cairo), M]
Striga gesnerioides (Willd.) Vatke, Österr. Bot. Z. 25: 11 (1875) –**A** [O (Kharga)]
Striga hermonthica (Delile) Benth., Compan. Bot. Mag. 1: 365 (1836) –**A** [N]
70. APIACEAE [UMBELLIFERAE] (28 genera, 55 taxa)
Apium graveolens L., Sp. Pl., ed. 1, 1: 264 (1753)
 *var. *bashmense* Hosni, Taekholmia 11: 65 (1988) –**A** **E** [O]
 var. *graveolens* –**A** [N, O, M, De, R, S]
Ammi majus L., Sp. Pl., ed. 1, 1: 243 (1753).
 subsp. *majus* –**A** [N, O, M, De, S]
Ammodaucus leucotrichus Coss. & Durieu, Bull. Soc. Bot. France 6: 393 (1859)
 var. *leucotrichus*
 [= *Ammodaucus leucotrichus* Coss. & Durieu, Pl. Alg. Select. Exicc. no. 42 (1858)] –**A** [Dw]
Astomaea seselifolia (DC.) Rauschert, Taxon 31(3): 563 (1982).

- [=*Astomaea seselifolium* DC., Coll. Mém. 5: 71, t. 17 (1829)] –**P****NE** [S]
Ammoides pusilla (Brot.) Breistr., Bull. Soc. Sci. Dauphiné, sér. 6, 1: 628 (1947) –**A**[O (Dakhla)]
Berula erecta (Huds.) Coville, Contr. U.S. Natl. Herb. 4: 115 (1893) –**P**
 [N (Delta), O (Wadi Natrun), M (Alexandria)]
Bupleurum exaltatum M.Bieb., Tabl. Prov. Mer Casp.: 113 (1798).
 [= *Bupleurum falcatum* L., Sp. Pl., ed. 1, 1: 237 (1753) subsp. *exaltatum* (M.Bieb.) H.Wolff var.
linearifolium (DC.) H.Wolff in Engl., Pflanzenr. 43, (IV, 228): 135 (1910)] –**P**[S]
Bupleurum lancifolium Hornem., Enum. Pl. Hort. Hafn., Suppl. 2: 3, adnot. 5 (1808)
 var. *lancifolium*
 [= *Bupleurum lancifolium* Hornem., Hort. Bot. Hafn. 1: 267 (1813)] –**A** [N, M, Dw, S]
 Bupleurum muschleri* H.Wolff, Repert. Spec. Nov. Regni Veg. 9: 565 (1911) –A** E [N]
Bupleurum nanum Poir. in J.B.A.M.de Lamarck, Encycl., Suppl. 1: 750 (1811) –**A** NE [M]
Bupleurum nodiflorum Sm. J.Sibthorp & J.E.Smith, Fl. Graec. Prodr. 1: 177 (1806) –**A** [M, S]
Bupleurum semicompositum L., Demonstr. Pl.: 7 (1753) –**A**[N, M, D, S]
Bupleurum subovatum Link ex Spreng., Sp. Umbell.: 19 (1818) –**A** [N]
Coriandrum sativum L., Sp. Pl., ed. 1, 1: 256 (1753) –**A**[N, O, M, De, S]
Crithmum maritimum L., Sp. Pl., ed. 1, 1: 246 (1753) –**R**/**P** [M]
Cyclospermum leptophyllum (Pers.) Sprague ex Britton & P.Wilson, Sci. Surv. Porto Rico &
 Virgin Islands 6: 52
 (1925).
 [= *Apium leptophyllum* (Pers.) F.Muell. ex Benth., FL. Austral. 3: 372 (1867)] –**A** [N, M]
Daucus aureus Desf., Fl. Atlant. 1: 242, t. 61 (1798) –**A** [N (Cairo region), S]
 Daucus broteri* Ten., Syll. Pl. Fl. Neapol., App. 3: IV (1830) –A** [N, S]
Daucus glaber (Forssk.) Thell., Mém. Soc. Sci. Nat. Math. Cherbourg 38: 407 (1912).
 [= *Daucus littoralis* Sm. in J.Sibthorp & J.E.Smith, Fl. Graec. Prodr. 1: 185 (1806) var. *forsskaolii*
 Boiss., Fl.
 Orient. 2: 1074 (1872)] –**A** [N, M, D, S]
 [= *Daucus littoralis* var. *littoralis*] –**A** [S]
 [= *Daucus littoralis* var. *longiradiatus* Post, Fl. Syria: 371 (1896)] –**A** [S]
Daucus guttatus Sm. in J.Sibthorp & J.E.Smith, Fl. Graec. Prodr. 1: 184 (1806) –**A**
 subsp. *guttatus*[N, M, S]
Daucus pumilus (L.) Hoffmanns. & Link, Fl. Portug. 2: 398 (1834).
 [= *Pseudorlaya pumila* (L.) Grande, Nuovo Giorn. Bot. Ital., n. s., 32: 86 (1925) var. *pumila*] –**A**
 [M, S]
 [= *Pseudorlaya pumila* var. *breviaculeata* (Boiss.) Zohary, Fl. Palaest. 2: 400 (1972)] –**A** [M, S]
Daucus sahariensis Murb., Acta Univ. Lund. 33 (12): 89 (1897) –**A**[S (Mitla Pass)]
Daucus syrticus Murb., Acta Univ. Lund. 33 (12): 87 (1897) –**A****NE** [N, M, S]
Deverra tortuosa (Desf.) DC., Prodr. 4: 143 (1830) –**S**[N, O, M, D, R, S]
Deverra triradiata Hochst. ex Boiss., Fl. Orient. 2: 861 (1872)
 subsp. *triradiata* –**S** [N, De, S]
Ducrosia ismaelis Asch., Verh. Bot. Vereins. Prov. Brandenburg 21 (1879): 67 (1879 publ. 1880)
 –**P**
 E [O (Kharga)]

- Eryngium campestre* L., Sp. Pl., ed. 1, 1: 233 (1753).
 var. *virens* (Link) Weins, Verh. K. K. Zool.-Bot. Ges. Wien 19: 50 (1869) –P [M, S]
Eryngium creticum Lam., Encycl. 4: 754 (1798) –P [N, M, S]
Eryngium glomeratum Lam., Encycl. 4: 755 (1798). subsp. *glomeratum* –P [S]
Ferula marmarica Asch. & Taub., Bull. Herb. Boissier 1:649 (1893) –PNE [M, Dw (Mashruka)]
Ferula sinaica Boiss., Diagn. Pl. Orient., sér. 1, 10: 40 (1849) –PNE [S (St. Katherine)]
Foeniculum piperitum (Ucria) C.Presl, Fl. Sicul.: 26 (1826).[=*Foeniculum vulgare* subsp. *piperitum* (Ucria) Bég., Ann. Mus. Civico Storia Nat. "Giacomo Doria", ser. 3, 3: 447 (1907)] –P[N, M, S]
Foeniculum vulgare Mill., Gard. Dict., ed. 8: no. 1 (1768).
 [=subsp. *vulgare*] –P [N, O, M, De, S]
Helosciadium crassipes W.D.J.Koch ex Rchb., Iconogr. Bot. Pl. Crit. 3: t. 218 (1825)
 [=*Apium crassipes* (W.D.J. Koch ex Rchb.) Rchb.f. in H.G.L.Reichenbach, Icon. Fl. Germ. Helv. 21: 9 (1863)] –P [M (Alexandria)]
Helosciadium nodiflorum (L.) W.D.J.Koch, Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 12(1): 126 (1824)
 [=*Apium nodiflorum* (L.) Lag., Amen. Nat. Españ. 1 (2): 101 (1821)] –P [O, M]
Leiotulus alexandrinus Ehrenb., Linnaea 4(3): 399 (1829).
 [=*Malabaila suaveolens* Delile ex Coss., Bull. Soc. Bot. France 19: 82 (1872)] –P [M]
Petroselinum crispum (Mill.) Fuss, Fl. Transsilv.: 254 (1866). subsp. *crispum*
 [=*Petroselinum crispum* (Mill.) A.W.Hill, Hand-list Herb. Pl. Kew, ed. 3: 122 (1925)] –B [N, M, S]
Pimpinella cretica Poir. in J.B.A.M.de Lamarck, Encycl., Suppl. 1: 684 (1811)
 var. *cretica* –A [S]
 *var. *petraea* (Nábělek) Zohary, Fl. Palaestina 2: 427 (1972) –A NE [S]
Pimpinella etbaica Schweinf., Verh. K.K. Zool.-Bot. Ges. Wien 18: 667 (1868) –A [GE]
Pimpinella schweinfurthii Asch., Verh. Bot. Vereins. Prov. Brandenburg 21 (1879): 67 (1880) –A[N, O (Kharga)]
Pycnocycla tomentosa Decne., Ann. Sci. Nat., Bot., sér. 2, 3: 258 (1835) –P NE [R, S]
Ridolfia segetum (Guss.) Moris, Index Seminum (TO, Taurinensis) 1841: 43 (1841) –A [S]
Scandix pecten-veneris L., Sp. Pl., ed. 1, 1: 256 (1753). var. *pecten-veneris* –A[M]
Scandix stellata Banks & Sol. in A.Russell, Nat. Hist. Aleppo, ed. 2, 2: 249 (1794) –A [S]
Stoibrax dichotomum (L.) Raf., Good Book: 52 (1840).
 [=*Brachyapium dichotomum* (L.) Maire, Bull. Soc. Hist. Nat. Afrique N. 23: 186 (1932)] –A [M (Sidi Barrani)]
Tordylium aegyptiacum (L.) Poir. in B.A.M.de Lamarck, Encycl. 7: 711 (1806)
 var. *aegyptiacum* –A [M, S (El-Arish)]
Torilis arvensis (Huds.) Link, Enum. Hort. Berol. Alt. 1: 265 (1821).
 subsp. *arvensis* –A [N, M, S]
 subsp. *neglecta* (Schult.) Thell in G.Hegi, Ill. Fl. Mitt.-Eur. 5: 1055 (1926) –A [N, M]
Torilis leptophylla (L.) Rchb.f. in H.G.L.Reichenbach, Icon. Fl. Germ. Helv. 21: 83, t.169 (1866).
 var. *leptophylla* –A [S]
Torilis nodosa (L.) Gaertn., Fruct. Sem. Pl. 1: 82 (1788) –A [N, O, M]
Torilis tenella (Delile) Rchb.f. in H.G.L.Reichenbach, Icon. Fl. Germ. Helv. 21: 84 (1867) –A[N, M, S]

Visnaga daucooides Gaertn., Fruct. Sem. Pl. 1: 92, t. 21 (1788).

[=*Ammi visnaga* (L.) Lam, Fl. Franç., ed. 1, 3: 462 (1779)] –A [N, M]

Zosima absinthiifolia (Vent.) Link, Enum. Hort. Berol. Alt. 1: 274 (1821) –P [De, S]

71. CAMPANULACEAE (4 genera, 9 taxa)

Asyneuma rigidum (Willd.) Grossh., Opred. Rast. Kavk.: 426 (1949).subsp. *sinai* (A.DC.)

Damboldt, Boissiera 17: 105 (1970) –P NE [S]

Campanula dimorphantha Schweinf., Beitr. Fl. Aethiop.: 140 (1867) –A [N]

Campanula dulcis Decne., Ann. Sci. Nat., Bot., sér. 2, 2: 258 (1834) –P NE [S]

Campanula erinus L., Sp. Pl., ed. 1, 1: 169 (1753) –A[M, S]

Campanula sulphurea Boiss., Diagn. Pl. Orient., sér. 1, 11: 64 (1849) –A NE [De, S]

Legousia speculum-veneris (L.) Chaix in D.Villars, Hist. Pl. Dauphiné 1: 338 (1786).

[=*Legousia speculum-veneris* (L.) Chaix, Pl. Vap. 34 (1785)] –A[N (Cairo region)]

Wahlenbergia campanuloides (Delile) Vatke, Linnaea 38: 700 (1874) –A [N]

Wahlenbergia lobelioides (L.f.) Link, Handbuch 1: 632 (1829).

subsp. *nutabunda* (Guss.) Murb., Acta Univ. Lund. 33(12): 115 (1897) –A [GE]

subsp. *riparia* (A..) Thulin, Symb. Bot. Upsal. 21 (1): 94 (1975) –A [De (east of Beni Suef)]

72. ASTERACEAE [COMPOSITAE] (104 genera, 295 taxa)

**Acanthospermum hispidum* DC., Prodr. 5: 522 (1836) –A [N]

Achillea arabica Kotschy in Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl. 52: 255 (1866).

[=*Achillea biebersteinii* Afanasiev, Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk S.S.S.R. 19: 361 (1959)] –P [S (Rafah)]

Achillea fragrantissima (Forssk.) Sch.Bip., Flora 38: 13 (1855) –S [N, O (Kharga), M, D, R, S]

Achillea maritima (L.) Ehrend. & Y.P. Guo, Willdenowia 35 (1): 50 (2005)

subsp. *maritima*

[=*Otanthus maritimus* (L.) Hoffmanns. & Link, Fl. Portug. 2: 365 (1834)] –P[M, S]

Achillea tenuifolia Lam., Encycl. 1: 26 (1783).

[=*Achillea santolina* L., Sp. Pl., ed. 1, 2: 896 (1753)] –P [N, O, M, D, S]

**Achillea wilhelmsii* K.Koch, Linnaea 24: 328 (1851) –P [M, S]

Ageratum conyzoides L., Sp. Pl., ed. 1, 2: 839 (1753) –A [N, O (Dakhla), M, De, GE]

Ageratum houstonianum Mill., Gard. Dict., ed. 8: n.º 2 (1768) –A [N]

Ambrosia artemisiifolia L., Sp. Pl., ed. 1, 2: 988 (1753) –A [M]

Ambrosia maritima L., Sp. Pl., ed. 1, 2: 988 (1753) –A/P [N, O, M, De]

Anacyclus monanthos (L.) Thell., Mém. Soc. Sci. Nat. Math. Cherbourg 38: 518 (1912). subsp. *monanthos* –A [M, Dw]

Anthemis arvensis L., Sp. Pl., ed. 1, 2: 894 (1753).

subsp. *arvensis* –A [M, S]

Anthemis bornmuelleri Stoj. & Acht., Notizbl. Bot. Gart. Berlin-Dahlem 13: 522 (1937).

var. *bornmuelleri* –A[S]

Anthemis chia L., Sp. Pl., ed. 1, 2: 894 (1753) –A[M]

Anthemis cotula L., Sp. Pl., ed. 1, 2: 894 (1753) –A [N, M, De]

Anthemis deserti Boiss., Fl. Orient. 3: 305 (1875).

[=*Anthemis melampodina* subsp. *deserti* (Boiss.) Eig, Palestine J. Bot., Jerusalem sér. 1: 177 (1938)]

- [M, De, S]
 Anthemis eliezrae* Eig, Palestine J. Bot., Jerusalem Ser. 1: 179, errata (1938) – **A **NE** [S]
 Anthemis fayedina* Zareh, Feddes Repert. 120: 16 (2009) – **A [M]
Anthemis hebronica Boiss. & Kotschy in P.E.Boissier, Diagn. Pl. Orient, sér. 2, 5: 108 (1856) – **A**[S (Rafah)]
Anthemis indurata Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 274, t. 47, f. 3 (1813) – **A** **NE** [M, S]
 Anthemis leucanthemifolia* Boiss. & C.I.Blanche in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 3: 20 (1856) – **A **NE** [S]
Anthemis melampodina Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 268, t. 45, f. 1 (1813).
 subsp. *melampodina* – **A** [N, O, M, D, R, S]
Anthemis microsperma Boiss. & Kotschy in P.E.Boissier, Diagn. Pl. Orient, sér. 2, 5: 108 (1856) – **A** **E** [M, Dw, S]
Anthemis pseudocotula Boiss., Diagn. Pl. Orient., ser. 1, 6: 86 (1846)
 subsp. *pseudocotula* – **A** [N, O, M, D, S]
 *subsp. *rotata* (Boiss.) Eig, Palestine J. Bot., Jerusalem Ser. 1: 197 (1938) – **A** [N, M, S]
Anthemis retusa Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 74 (1813) – **A** **E** [N, O, M, D, R, S]
Anthemis scrobicularis Yavin, Israel J. Bot. 21: 174 (1972).
 *subsp. *fungosa* Yavin, Israel J. Bot. 21: 174 (1972) – **A** **E** [S]subsp. *scrobicularis* – **A** **NE** [S]
Anthemis zoharyana Eig. Palestine J. Bot., Jerusalem ser., 1: 178 (1938). [=var. *zoharyana*] – **A** [S]
Anvillea garcinii (Burm.f.) DC., Prodr. 5: 487 (1836).
 subsp. *garcinii* – **P** [De, S]
 *subsp. *radiata* (Coss. & Durieu) Anderb., Nordic J. Bot. 2: 303 (1982) – **P** [Dw]
Artemisia herba-alba Asso, Syn. Stirp. Aragon.:117 (1779).
 [=Seriphidium herba-alba (Asso) Soják, Čas. Nár. Muz., Rada Přír. 152: 22 (1983)] – **S**[M, D, R, S]
Artemisia inculta Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 264 (1813) – **S** **NE** [M, S]
Artemisia judaica L., Syst. Nat., ed. 10. 2: 1208 (1759).
 subsp. *judaica*
 [=Artemisia Judaica L., Mant. Alt. 281 (1771)] – **S** **NE** [M, D, R, GE, S]
 *var. *sinaitica* Täckh., Publ. Cairo Univ. Herb. 5: 29 (1974) – **S** **E** [S]
Artemisia monosperma Delile, Descr. Egypte, Hist. Nat. 2 (Mém.) 263, t. 43, f. 1(1813) – **S** [O, M, D, R, S]
Artemisia scoparia Waldst. & Kit., Descr. Icon. Pl. Hung. 1: 66, t. 65 (1802) – **A**/**P** [M (Alexandria), S (Sadd El- Rawafaa)]
 Artemisia sieberi* Besser, Bull. Soc. Imp. Naturalistes Moscou 9: 80 (1836) – **S[De, S]
Artemisia verlotiorum Lamotte, Mém. Assoc. Franç. Cong. Clermont- Ferrant: 511 (1876) – **P** [N]
Artemisia vulgaris L., Sp. Pl., ed. 1, 2: 848 (1753) – **P** [N]
Asteriscus aquaticus (L.) Less., Syn. Gen. Compos.: 210 (1832).
 [=Nauplius aquaticus (L.) Cass. in G.-F.Cuvier, Dict. Sci. Nat., ed. 2. 34: 273 (1825)] – **A** [N]
Asteriscus graveolens (Forssk.) Less., Syn. Gen. Compos.: 210 (1832).

- [=*Nauplius graveolens* (Forssk.) Wiklund, in some genera in Inula-group (Asterac.-Inuleae): 80 (1986)] –**S**
- [O (Uweinat), M, De, R, S]
- Atractylis aristata* Batt., Bull. Soc. Bot. France 49: 291 (1903) –**A/P** [S]
- Atractylis boulosii* Täckh., Publ. Cairo Univ. Herb. 5: 25, f. 5b (1974) –**A/NE** [S]
- Atractylis cancellata* L., Sp. Pl., ed. 1, 2: 830 (1753) –**A** [M, S]
- Atractylis carduus* (Forssk.) C. Chr., Dansk Bot. Ark. 4(3): 27 (1922).
- var. *angustifolia* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 24, f. 46 (1974) –**P** [M, D, S]
- var. *carduus* –**P** [M, D, GE, S]
- var. *glabrescens* (Boiss.) Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 24 (1974) –**P/NE** [M, De, S]
- var. *latifolia* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 24, f. 4a (1974) –**P** [M, Dw]
- var. *marmarica* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 24, f. 5a (1974) –**P** E [M, Dw]
- **Atractylis humilis* L., Sp. Pl., ed. 1, 2: 829 (1753) –**A** [M]
- Atractylis mernephthae* Asch., Letourn. & Schweinf., Ill. Fl. Égypte 2: 94 (1887) –**A/NE** [De, S]
- **Atractylis phaeolepis* Pomel, Nouv. Mat. Fl. Atl.: 273 (1875) –**P** [S]
- Atractylis prolifera* Boiss., Diagn. Pl. Orient., ser. 1, 10: 96 (1849) –**A** [M, S]
- **Atractylis serrata* Pomel, Nouv. Mat. Fl. Atl.: 20 (1874) –**P** [M]
- Atractylis serratuloides* Sieber ex Cass. in G.-F.Cuvier, Dict. Sci. Nat., ed. 2. 50: 56 (1827) –**P**
- NE [De, S]
- Bidens bipinnata* L., Sp. Pl., ed. 1, 2: 832 (1753) –**A** [GE]
- Bidens pilosa* L., Sp. Pl., ed. 1, 2: 832 (1753) –**A** [N, M, De, S]
- Bidens schimperi* Sch. Bip. ex Walp., Repert. Bot. Syst. 6: 168 (1846) –**A**[GE]
- Blainvillea acmella* (L.) Philipson, Blumea 6 (2): 350 (1950) –**A** [GE]
- Blumea bovei* (DC.) Vatke, Linnaea 39: 485 (1875).
- [=*Doellia bovei* (DC.) Anderb., Willdenowia 25(1): 21 (1995)] –**P** [O, De, S]
- Brocchia cinerea* (Delile) Vis. in G.F.Spongia, Comment. Med. 2: 219 (1836).
- [=*Cotula cinerea* Delile, Descr. Egypte, Hist. Nat. 2 (Mém.) 275, t. 47, f. 4 (1813)] –**A**[M, D, R, S]
- Calendula arvensis* L., Sp. Pl., ed. 2: 1303 (1763) –**A** [N, O, M, D, R, GE, S]
- Calendula tripterocarpa* Rupr., Bull. Cl. Phys.-Math. Acad. Imp. Sci. Saint-Pétersbourg 14: 231 (1856) –**A**
- [De, S]
- **Carduus acanthoides* L., Sp. Pl., ed. 1, 2: 821 (1753) –**B** [M]
- Carduus argentatus* L., Mant. Pl. 2: 280 (1771) –**A**[De, S]
- Carduus getulus* Pomel, Nouv. Mat. Fl. Atl. 2: 275 (1875) –**A** [N, M, S]
- Carduus pycnocephalus* L., Sp. Pl., ed. 2: 1151 (1763).
- *subsp. *albidus* (M.Bieb.) Kazmi, Mitt. Bot. Staatssamml. München 5: 446 (1964) –**A** [M]
- subsp. *arabicus* (Jacq. ex Murray) Nyman, Consp. Fl. Eur.: 414 (1879) –**A** [N, M, De, S]
- *subsp. *breviphyllarius* P.H.Davis, Notes Roy. Bot. Gard. Edinburgh 33: 412 (1975) –**A** [M, De, S]
- *subsp. *cinereus* (M.Bieb.) P.H.Davis, Notes Roy. Bot. Gard. Edinburgh 33: 429 (1975) –**A** [M, S]
- subsp. *pycnocephalus* –**A**[N, M, De, S]
- **Carduus tenuiflorus* Curtis, Fl. Londin. 6: t. 55 (1789) –**A** [N]

- **Carlina curetum* Heldr. in P.E.Boissier, Fl. Orient. 3: 449 (1875).
 subsp. *orientalis* Meusel & A.Kástner, Feddes Repert. 88: 406 (1977) –**P****NE** [?]
Carlina involucrata Poir., Voy. Barbarie 2: 234 (1789) –**P** [M]
 Carlina libanotica* Boiss., Diagn. Pl. Orient. 10: 95 (1849) –B** [S]
 Carlina sicula* Ten., Cat. Hort. Neapol. 1813, App.(ed. alt.): 74 (1819) subsp. *mareotica* (Asch. & Schweinf.) Greuter, Willdenowia 33: 52 (2003) –P**[M]
Carthamus eriocephalus (Boiss.) Greuter, Willdenowia 33 (1): 53 (2003).
 [= *Carduncellus eriocephalus* Boiss., Diagn. Pl. Orient., sér. 1, 10: 100 (1849)] –**P** [M, Dw, S]
Carthamus glaucus M.Bieb., Tabl. Prov. Mer Casp.:118 (1798)
 subsp. *glaucus*
 subsp. *alexandrinus* (Boiss. & Heldr.) Hanelt, Feddes Repert. Spec. Nov. Regni Veg. 67: 113 (1963)] –**A****NE** [N, M, Dw, S]
Carthamus nitidus Boiss., Fl. Orient. 3: 708 (1875) –**A** [GE]
Carthamus tenuis (Boiss. & C.I.Blanche) Bornm., Verh. K. K. Zool.-Bot. Ges. Wien 48: 605 (1898).
 subsp. *foliosus* Hanelt, Feddes Repert. Spec. Nov. Regni Veg. 67: 122 (1963) –**A** **NE** [N, O, M, Dw, S]
Centaurea aegyptiaca L., Mant. Pl. 1: 118 (1767) –**B**/**P** [N, M, De, R, GE, S]
Centaurea alexandrina Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 280 (1813) –**B** [M, S]
Centaurea ammocyanus Boiss., Diagn. Pl. Orient., sér. 1, 10: 109 (1849) –**A** [S]
Centaurea benedicta (L.) L., Sp. Pl., ed. 2: 1296 (1763).
 [= *Cnicus benedictus* L., Sp. Pl., ed. 1, 2: 826 (1753)] –**A** [S]
Centaurea bimorpha Viv., Fl. Libyc. Spec.: 58, t. 24, f. 3 (1824) –**P** [M]
Centaurea calcitrapa L., Sp. Pl., ed. 1, 2: 917 (1753).
 subsp. *calcitrapa* –**A**/**B** [N, O, M, Dw]
Centaurea eryngioides Lam., Encycl. 1: 675 (1785) –**P** [De, S]
Centaurea furfuracea Coss. & Durieu, Bull. Soc. Bot. France 4: 363 (1857) –**A** [M, Dw]
Centaurea glomerata Vahl, Symb. Bot. 2: 94 (1791) –**A** **NE** [N, M, S]
 Centaurea lanulata* Eig, Repert. Spec. Nov. Regni Veg. Beih. 63(1): 47 (1931) –B** **NE** [S]
Centaurea melitensis L., Sp. Pl., ed. 1, 2: 917 (1753) –**A**[M]
Centaurea pallescens Delile, Descr. Egypte, Hist. Nat. 2 (Mém.) 278, t. 49, f. 1 (1813).
 subsp. *pallescens* –**P**[N, M, D, R, S]
Centaurea postii Boiss., Fl. Orient. 3: 688 (1875) –**P** **NE** [S]
Centaurea procurrens Sieber ex Spreng., Syst. Veg. ed. 16, 3: 407 (1826) –**A**/**B** **NE** [M, S]
Centaurea scoparia Sieber ex Spreng., Syst. Veg. ed.16, 3: 402 (1826) –**S** **NE** [De, R, S]
Centaurea sinaica DC., Prodr. 6: 592 (1838) –**A** [S]
Centaurea solstitialis L., Sp. Pl., ed. 1, 2: 917 (1753).
 subsp. *solstitialis* –**A** [M, S]
Ceruana pratensis Forssk., Fl. Aegypt.-Arab.: 74 (1775) –**A** [N, M]
Chiliadenus candicans (Delile) Brullo, Webbia 34 (1): 301 (1979) –**S** [M, D, S]
Chiliadenus iphionoides (Boiss. & C.I.Blanche) Brullo, Webbia 34(1): 301 (1979) –**S** [S (Mitla Pass)]
Chiliadenus montanus (Vahl) Brullo, Webbia 34 (1): 301 (1979) –**S** [M, De, R, S]
 Chiliadenus sericeus* (Batt. & Trab.) Brullo, Webbia 34: 303 (1979) –S**[M]

- Chlamydomphora tridentata* (Delile) Ehrenb. ex Less., Syn. Gen. Compos.: 266 (1832) –**A** [M]
- **Cichorium endivia* L., Sp. Pl., ed. 1, 2: 813 (1753) –**A** [N, O, M, De, S]
- **Cichorium intybus* L., Sp. Pl., ed. 1, 2: 813 (1753).
subsp. *intybus* –**A** [N, M, S]
- Cichorium pumilum* Jacq., Observ. Bot. 4: 3 (1771).
[=*Cichorium endivia* subsp. *divaricatum* (Schousb.) P.D.Sell, Bot. J. Linn. Soc. 71: 240 (1976)] –**A** [N, O, M]
- **Cirsium arvense* (L.) Scop., Fl. Carniol., ed. 2, 2: 126 (1771).
subsp. *arvense* –**P** [S]
- Cladanthus mixtus* (L.) Chevall., Fl. Gén. Env. Paris, ed. 2, 2: 576 (1836).
[=*Chamaemelum mixtum* (L.) All., Fl. Pedem. 1: 185 (1785)] –**A** [M, S]
- Cotula anthemoides* L., Sp. Pl., ed. 1, 2: 891 (1753) –**A** [N, O, M, De, S]
- Crepis aculeata* (DC.) Boiss., Fl. Orient. 3: 856 (1875) –**A** NE [S (Rafah)]
- Crepis aspera* L., Sp. Pl., ed. 2: 1133 (1763). var. *aspera* –**A** [M, De, S]
*var. *inermis* (Cass.) Boiss., Fl. Orient 3: 875(1875) –**A** [S]
- Crepis clausonis* (Pomel) Batt. & Trab., Fl. Algérie, Dicot.: 564 (1889) –**P** [M]
- **Crepis leontodontoides* All., Auct. Fl. Pedem.: 13 (1789) –**P** [?]
- Crepis libyca* (Pamp.) Babç., Bull. Minist. Agric. Egypt, Techn. Sci. Serv. 197: 3 (1938) –**P** NE [M]
- Crepis micrantha* Czerep. in V.L.Komarov (ed.), Fl. URSS 29: 684 (1964) –**A** [N, O, M, S]
- Crepis nigricans* Viv., Fl. Libyc. Spec.: 51, t. 10, f. 3 (1824) –**A** NE [N (Abu Rawwash)]
- Crepis sancta* (L.) Bornm., Mitth. Thüring. Bot. Vereins, n.f., 30: 79 (1913). subsp. *sancta* –**A** [De, S]
*subsp. *obovate* (Boiss. & Noë) Babç., Univ. Calif. Publ. Bot. 22: 741 (1947) –**A** [M, S]
- Crepis senecioides* Delile, Descr. Egypte. Hist. Nat. 2 (Mém.): 262 (1813) –**A** NE [N, M, D, S]
- Crocodylium creticum* (Boiss. & Heldr.) N.Garcia & Susanna, Pl. Syst. Evol. 234: 25 (2002).
[=*Centaurea aegialophila* Wagenitz, Notes Roy. Bot. Gard. Edinb. 33(2): 230 (1974)] –**P** [M]
- Crocodylium pumilio* (L.) N.Garcia & Susanna, Pl. Syst. Evol. 234: 25 (2002).
[=*Centaurea pumilio* L., Cent. Pl. 1: 30 (1755)] –**P** [M]
- Crupina crupinastrum* (Moris) Vis., Fl. Dalmat. 2: 42, t. 51, f. 3 (1847) –**A** [M]
- Cynara cornigera* Lindl. in J.Sibthorp & J.E.Smith, Fl. Graec. 10 (2): 74 (1840) –**P** [M]
- Dicoma schimperii* (DC.) Baill. ex Hoffm. in H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 4 (5): 339 (1893) –**P** [De, GE, S]
- Dicoma tomentosa* Cass., Bull. Soc. Philom. Paris 1818: 47 (1818) –**A** [GE]
- Dittrichia graveolens* (L.) Greuter, Exsicc. Genav. Conserv. Bot. Distrib. Fasc. 4: 71 (1973) –**A** [M]
- Dittrichia viscosa* (L.) Greuter, Exsicc. Genav. Conserv. Bot. Distrib. Fasc. 4: 71 (1973)
*subsp. *angustifolia* –**P** [N, M, S]
*subsp. *viscosa* –**P** [N, M]
- Echinops galalensis* Schweinf., Mém. Inst. Égypt. 2: 763 (1889) –**P** NE [M, De, R, S]
- Echinops glaberrimus* DC., Ann. Sci. Nat., Bot., sér. 2, 2: 260 (1834) –**P** NE [N, M, D, R, S]
- Echinops hussonii* Boiss., Diagn. Pl. Orient., sér. 1, 10: 86 (1849) –**P** NE [M, De, R, GE, S]
- Echinops macrochaetus* Fresen., Mus. Senckenberg. 3: 69 (1839) –**P** [S]
- **Echinops polyceras* Boiss., Diagn. Pl. Orient. 10: 85 (1849) –**P** [S]

- Echinops spinosissimus* Turra, Farsetia: 13 (1765).
 subsp. *spinosissimus* [= *Echinops spinosus* L., Mant. Pl. 1: 119 (1767)] –P [N, M, D, R, GE, S]
Echinops taeckholmianus Amin, Candollea 42(1): 411 (1987) –P E [N (northwest Delta), M]
Eclipta prostrata (L.) L., Mant. Pl.: 286 (1771) –A [N, O, M, De]
Erigeron bonariensis L., Sp. Pl., ed. 1, 2: 863 (1753).
 [= *Conyza bonariensis* (L.) Cronquist, Bull. Torrey Bot. Club 70: 632 (1943)] –A [N, O, M, De, S]
Erigeron canadensis L., Sp. Pl., ed. 1, 2: 863 (1753).
 [= *Conyza canadensis* (L.) Cronquist, Bull. Torrey Bot. Club 70: 632 (1943)] –A [S]
Erigeron floribundus (Kunth) Sch.Bip., Bull. Soc. Bot. France 12: 81 (1865).
 [= *Conyza albida* Willd. ex Spreng., Syst. Veg., ed. 16, 3: 514 (1826)] –A [S]
 **Erigeron sumatrensis* Retz., Observ. Bot. 5: 28 (1788) –A [N, S]
Eschenbachia stricta (Willd.) Raizada, Indian Forester 85: 679 (1959).
 [= *Conyza stricta* Willd., Sp. Pl., ed. 4, 3: 1922 (1803)]
 *var. *pinnatifida* Abid & Qaiser, Fl. Pakistan 224: 32 (2021) –A [GE]
 *var. *stricta* –A [S]
Ethulia conyzoides L.f., Dec. Prima Pl. Horti Upsal.: 1, t. 1 (1762). subsp. *conyzoides* –A [N, M, De]
Felicia dentata (A.Rich.) Dandy in F.W.Andrews, Fl. Pl. Sudan 3: 29 (1956). subsp. *dentata* –S/P [GE]
Filago contracta (Boiss.) Chrtk & Holub, Preslia 35: 3 (1963) –A [M, De, S]
Filago desertorum Pomel, Nouv. Mat. Fl. Atl. 1: 46 (1874) –A [N, M, D, R, S]
 **Filago griffithii* (A.Gray) Andrés-Sánchez & Galbany, Taxon 59: 1689 (2010) –A [S]
Filago mareotica Delile, Descr. Egypte, Hist. Nat.: 274, t. 47, f. 2 (1813) –A [M]
Filago prolifera Pomel, Nouv. Mat. Fl. Atl. 1: 47 (1874) –A [GE]
 **Filago pyramidata* L., Sp. Pl., ed. 1, 2: 1199 (1753) –A [M, D, S]
Flaveria bidentis (L.) Kuntze, Revis. Gen. Pl. 3 (3): 148 (1898) –A [O, M, S]
Galinsoga parviflora Cav., Icon. 3 (2): 41, t. 281 (1795) –A [N, S]
Garhadiolus hedynois Jaub. & Spach, Ill. Pl. Orient. 3 (29): 119 (1850).
 [= *Garhadiolus angulosus* Jaub. & Spach, Ill. Pl. Orient. 3 (29): 122, t. 285 (1850)] –A [M]
Geigeria alata (Hochst. & Steud.) Benth. & Hook.f. ex Oliv. & Hiern, Fl. Trop. Afr. 3: 368 (1877) –A [GE]
Gelasia psychrophila (Boiss. & Hausskn.) Zaika, Sukhor. & N.Kilian, PhytoKeys 137: 58 (2020).
 [= *Scorzonera judaica* Eig, Pl. Palest., Analytical Key: 399 (1931)] –P [S]
Geropogon hybridus (L.) Sch.Bip. in P.B.Webb & S.Berthelot, Hist. Nat. Iles Canaries 3(2; 3): 472 (1850) –A [N, O, M, De, S]
Glebionis coronaria (L.) Cass. ex Spach, Hist. Nat. Vég. 10: 181 (1841).
 [= *Glebionis coronaria* (L.) Tzvelev, Bot. Zhurn. (Moscow & Leningrad) 84 (7): 117 (1999)] –A [N, M, S]
Gnaphalium uliginosum L., Sp. Pl., ed. 1, 2: 856 (1753) –A [N (Luxor, Aswan)]
Gnaphalium polycaulon Pers., Syn. Pl. 2: 421 (1807) –A [N, M, De]
Gnomophalium pulvinatum (Delile) Greuter, Willdenowia 33(2): 242 (2003).
 [= *Homognaphalium crispatum* (Delile) Kirp., Trudy Bot. Inst. Akad. Nauk S.S.S.R., ser. 1. Fl. Sist. Vyssh. Rast 9: 32 (1950)] –A [N]

- [=*Homognaphalium pulvinatum* (Delile) Fayed & Zareh, Willdenowia 18 (2): 451(1989)] –**A** [N, O, De, S]
- Grangea maderaspatana* (L.) Poir. in J.B.A.M.de Lamarck, Encycl., Suppl. 2: 825 (1812) –**A** [N, O, M, De]
- Gundelia tournefortii* L., Sp. Pl., ed. 1, 2: 814 (1753) –**P** [S (El-Arish to Rafah)]
- Gymnarrhena micrantha* Desf., Mém. Mus. Hist. Nat. 4: 2, t. 1 (1818) –**A** [M, De, S]
- Hedypnois rhagadioloides* (L.) F.W.Schmidt, Samml. Phys. Aufsätze Böhm. Naturgesch. 1: 279 (1795) –**A** [M, D, S]
- **Helenium amarum* (Raf.) H.Rock, Rhodora 59: 131 (1957).
var. *amarum* –**A**[S]
- Helichrysum glumaceum* DC., Prodr. 6: 197 (1838) –**S** [GE]
- Helichrysum orientale* (L.) Gaertn., Fruct. Sem. Pl. 2: 404 (1791) –**S** [M (Ras El-Hekma)]
- Helichrysum stoechas* (L.) Moench, Methodus: 575 (1794).subsp. *barrelieri* (Ten.) Nyman, Consp. Fl. Eur.: 381 (1879).
[=*Helichrysum conglobatum* (Viv.) Steud., Nomencl. Bot., ed. 2, 1: 738 (1840)] –**P** [M]
- Helminthotheca echioides* (L.) Holub, Folia Geobot. Phytotax. 8 (2): 176 (1973) –**A** [N]
- Heteroderis pusilla* (Boiss.) Boiss., Fl. Orient. 3: 794 (1875).
[=*Heteroderis pusilla* var. *leucocephala* (Bunge) Rech.f., Fl. Iranica 122: 291 (1977)] –**A** [De (North and South Galala)]
- Hyoseris lucida* L., Mant. Pl. 1:103 (1767). subsp. *lucida*
[=*Hyoseris radiata* subsp. *graeca* Halácsy, Consp. Fl. Graec. 2: 179 (1902)] –**P** [M]
- Hyoseris scabra* L., Sp. Pl., ed. 1, 2: 809 (1753) –**A** [M]
- Ifloga spicata* (Forssk.) Sch.Bip. in P.B.Webb & S.Berthelot, Hist. Nat. Iles Canaries 3(2; 2): 310 (1845).
subsp. *albescens* Chrtek, Preslia 41: 243 (1969) –**A** NE [De, R, GE, S]
subsp. *elbaensis* Chrtek, Preslia 41: 243 (1969) –**A**E [R, GE]
subsp. *hadidii* (Fayed & Zareh) Greuter, Willdenowia 36: 711 (2006).
[=*Ifloga labillardierei* subsp. *hadidii* Fayed & Zareh, Willdenowia 17: 122 (1988)] –**A** E [M, De, S]
- subsp. *labillardierei* (Pamp.) Chrtek, Preslia 41: 242 (1969).
[=*Ifloga labillardierei* (Pamp.) Fayed & Zareh, Willdenowia 17: 122 (1988)] –**A**[M, D, S]
subsp. *spicata* –**A** [N, M, D, R, GE, S]
- Iphiona mucronata* (Forssk.) Asch. & Schweinf., Mém. Inst. Égypt. 2: 86 (1887) –**S**NE [M, De, R, S]
- Iphiona scabra* DC. ex Decne., Ann. Sci. Nat., Bot, sér. 2, 2: 263 (1834) –**S** [N, De, R, GE, S]
- Koelpinia linearis* Pall., Reise Russ. Reich. 3 (2, App.): 755 (1776) –**A** [M, De, S]
- Lactuca orientalis* (Boiss.) Boiss., Fl. Orient. 3: 819 (1875).
subsp. *orientalis*
[=*Scariola orientalis* (Boiss.) Soják, Novit. Bot. Delect. Seminum Horti Bot. Univ. Carol. Prag. 1962: 46 (1962)] –**S** [M, De, GE, S]
- Lactuca saligna* L., Sp. Pl., ed. 1, 2: 796 (1753) –**A**/**B**[N, M, De, S]
- Lactuca serriola* L., Cent. Pl. 2: 29 (1756) –**A**/**B** [N, O, M, S]
- Lactuca undulata* Ledeb., Fl. Altaic. 4: 156 (1833) –**A** [S]

- Lasiopogon muscoides* (Desf.) DC., Prodr. 6: 246 (1838) –**A** [M, D, S]
Lasiospermum brachyglossum DC., Prodr. 6: 38 (1838) –**A** [S]
Launaea acanthodes* (Boiss.) Kuntze, Revis. Gen. Pl. 1: 351 (1891) –P** [S]
Launaea amal-aminiae N.Kilian, Englera 17: 346 (1997) –**P**[De, S]
Launaea angustifolia (Desf.) Kuntze, Revis. Gen. Pl. 1: 351 (1891).
 [= *Launaea angustifolia* subsp. *arabica* (Boiss.) N.Kilian, Willdenowia 25: 274 (1995)] –**A** [O, M, De, R, S]
Launaea capitata (Spreng.) Dandy in F.W.Andrews, Fl. Pl. Sudan 3: 40 (1956) –**A** [N, O, M, D, R, GE, S]
Launaea fragilis (Asso) Pau, Bol. Soc. Aragonesa Ci. Nat. 16: 68 (1917).
 subsp. *fragilis* –**P** [M, D, S]
 *subsp. *tenuiloba* (Boiss.) Zareh & M.H.Mohamed, Feddes Repert. 127: 18 (2016) –**A/B**[N, M, R, S]
Launaea intybacea* (Jacq.) Beauverd, Bull. Soc. Bot. Genève, sér. 2, 2: 114 (1910) –A** [R, GE]
Launaea massauensis (Fresen.) Sch.Bip. ex Kuntze, Revis. Gen. Pl. 1: 351(1891) –**A** [De, R, GE]
Launaea mucronata (Forssk.) Muschl., Man. Fl. Egypt 2: 1057 (1912).
 subsp. *cassiniana* (Jaub. & Spach) N.Kilian, Willdenowia 25: 277 (1995) –**P** [N, O, M, D, R, GE, S]
 subsp. *mucronata* –**P** [N, O, M, D, R, GE, S]
Launaea nudicaulis (L.) Hook.f., Fl. Brit. India 3: 416 (1881)
 var. *nudicaulis* –**P**[N, O, M, D, R, GE, S]
Launaea procumbens (Roxb.) Ramayya & Rajagopal, Kew Bull. 23 (3): 465 (1969) –**A** [De, S]
Launaea spinosa (Forssk.) Sch.Bip. ex Kuntze, Revis. Gen. Pl. 1: 350 (1891) –**S** [M, De, R, S]
Leontodon tuberosus L., Sp. Pl., ed. 1, 2: 799 (1753) –**P** [M]
Leysera leyseroides (Desf.) Maire, Bull. Soc. Hist. Nat. Afrique N. 20: 186 (1929) –**A** [De, GE, S]
Limbarda crithmoides (L.) Dumort., Fl. Belg.: 68 (1827) –**S** [N, O, M, D]
Mantisalca duriaei* (Spach) Briq. & Cavill., Arch. Sci. Phys. Nat., sér. 5, 12: 112 (1930) –A** [M]
Mantisalca salmantica (L.) Briq. & Cavill., Arch. Sci. Phys. Nat., sér. 5, 12: 111 (1930) –**A** [M]
Matricaria aurea (Loefl.) Sch.Bip., Bonplandia (Hannover) 8: 369 (1860) –**A** [N, M, De, S]
Matricaria chamomilla L., Sp. Pl., ed. 1, 2: 891 (1753).
 [= *Matricaria recutita* var. *coronata* (Boiss.) Fertig, Fl. Palaestina 3: 344 (1978)] –**A** [N, M, De, S]
 [= *Matricaria recutita* L., Sp. Pl., ed. 1, 2: 891 (1753) var. *recutita*] –**A** [N, M, S]
Nidorella aegyptiaca (L.) J.C.Manning & Goldblatt, Strelitzia 29: 794 (2012).
 [= *Conyza aegyptiaca* (L.) Aiton, Hort. Kew., ed. 1, 3: 183 (1789)] –**A** [N, O]
Notobasis syriaca (L.) Cass., in G.-F.Cuvier, Dict. Sci. Nat., ed. 2. 25: 225 (1822).
 [= *Notobasis syriaca* (L.) Cass., Dict. Sci. Nat. 35: 171 (1825)] –**A** [N, M, De]
Onopordum alexandrinum Boiss., Diagn. Pl. Orient, sér. 1. 10: 93 (1849) –**B/P** NE [M, S]
Onopordum ambiguum Fresen., Mus. Senckenberg. 1: 85 (1833) –**B/P** [De, S]
Onopordum arenarium* (Desf.) Pomel, Nouv. Mat. Fl. Atl.: 20 (1874) –B/P** [M]
Orbivestus cinerascens (Sch.Bip.) H. Rob., Proc. Biol. Soc. Washington 112: 231 (1999).
 [= *Vernonia cinerascens* Sch.Bip. in Schweinf., Beitr. Fl. Aethiop.: 162 (1867)] –**S** [GE]
Osteospermum vaillantii (Decne.) Norl., Stud. Calenduleae 1: 305 (1943) –**P** [M, De, GE, S]

- Pallenis hierichuntica* (Michon) Greuter, Fl. Medit. 7: 47 (1997).
 [= *Asteriscus hierichunticus* (Michon) Wiklund, Nord. J. Bot. 5: 307 (1985)] –**A** [M, De, S]
- Pallenis spinosa* (L.) Cass. in G.-F.Cuvier, Dict. Sci. Nat., ed. 2. 37: 276 (1825).
 [= *Asteriscus spinosus* (L.) Sch.Bip. in P.B.Webb & S.Berthelot, Hist. Nat. Iles Canaries 3(2; 2): 230 (1844)].
- *subsp. *asteroidea* (Viv.) Greuter, Fl. Medit. 7: 47 (1997) –**A/P**[M]
 subsp. *spinosa* –**A/P** [M, De, R, S]
- Pegolettia senegalensis* Cass., G.-F.Cuvier, Dict. Sci. Nat., ed. 2. 38: 232 (1825) –**A** [De, R, GE]
- Phagnalon barbeyanum* Asch. & Schweinf., Mém. Inst. Égypt. 2: 87 (1887) –**P** NE [M, De, S]
- Phagnalon nitidum* Fresen., Mus. Senckenberg. 1: 81, t. 4, f. 2 (1833) –**P** NE [De, S]
- Phagnalon rupestre* (L.) DC., Prodr. 5: 396 (1836).
 subsp. *rupestre* –**P** [M, D, S]
- Phagnalon schweinfurthii* Sch.Bip. ex Schweinf., Verh. K. K. Zool. -Bot. Ges. Wien 18: 685 (1868) –**P** [GE]
- Phagnalon sinaicum* Bornm. & Kneuck., Allg. Bot. Z. Syst. 12: 69 (1906) –**S**NE [S]
- Phonus lanatus* (L.) Hill, Hort. Kew.: 56 (1768).
 [= *Carthamus lanatus* L., Sp. Pl., ed. 1, 2: 830 (1753)] –**A/B**[N, M]
- Phonus mareoticus* (Delile) G.López, Anales Jard. Bot. Madrid 47: 27 (1990).
 [= *Carduncellus mareoticus* (Delile) Hanelt, Feddes Repert. Spec. Nov. Regni Veg. 67: 170(1963)]
 [= *Carthamus mareoticus* Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 276 (1813)] –**S**NE [M, Dw]
- Picris asplenioides* L., Sp. Pl., ed. 1, 2: 793 (1753).
 subsp. *asplenioides* –**A** [N, M, D, S]
- Picris cyanocarpa* Boiss., Diagn. Pl. Orient., ser. 1, 11:37 (1849) –**A** [M, S]
- Picris longirostris* Sch.Bip., Mus. Senckenberg. 3(1): 60 (1839) –**A** [S]
- Picris rhagadioloides* (L.) Desf., Tabl. École Bot.: 89 (1804).
 [= *Picris altissima* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 260, t. 41, f. 2 (1813)] –**A** [N, M, De, S]
- Picris sulphurea* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 258, t. 40, f. 2 (1813) –**A**NE [N, O, D, S]
- Pluchea dioscoridis* (L.) DC., Prodr. 5: 450 (1836) –**S** [N, O, M, D, S]
- Pseudoconyza viscosa* (Mill) D'Arcy, Phytologia 25: 281 (1973) –**A** [N (Aswan, Nubia)]
- Pseudognaphalium luteoalbum* (L.) Hilliard & B.L.Burt, Bot. J. Linn. Soc. 82 (3): 206 (1981) –**A** [N, O, M, De, R, S]
- **Pseudopodospermum molle* (M.Bieb.) Kuth. in Kavkaz. Predstav. Podtriby Scorzonerinae Dum. (Compos.): 85 (1978).
 subsp. *molle* –**P**[S]
- Pseudopodospermum semicanum* (DC.) Zaika, Sukhor. & N.Kilian, PhytoKeys 137: 69 (2020).
 [= *Scorzonera mollis* M.Bieb., Fl. Taur.-Caucas. 3: 522 (1819) var. *longifolia* Boiss., Fl. Orient. 3: 762 (1875)] –**P** [S]
- Pseudopodospermum undulatum* (Vahl) Zaika, Sukhor. & N.Kilian, PhytoKeys 137: 70 (2020).
 subsp. *undulatum*
 [= *Scorzonera undulata* Vahl, Symb. Bot. 2: 86 (1791)] –**P** [M, D]
- Pulicaria arabica* (L.) Cass., in G.-F.Cuvier, Dict. Sci. Nat., ed. 2. 44: 94 (1826) –**A/P** [N, O, M, De, R, S]

- [=*Pulicaria inuloides* (Poir.) DC., Prodr. 5: 480 (1836)] –**P** [N, O, De, S]
**Pulicaria dysenterica* (L.) Bernh., Syst. Verz. Erf.: 153 (1800).
 subsp. *dysenterica* –**A** [N]
Pulicaria incisa (Lam.) DC., Prodr. 5: 479 (1836).
 [=subsp. *candolleana* E.Gamal-Eldin, Phanerog. Monogr. 14: 166 (1981)] –**A/P** [De, R, S]
 [=subsp. *incisa*] –**A/P** [De, R, GE, S]
Pulicaria odora* (L.) Rchb., Fl. Germ. Excurs. 1: 239 (1831) –A/P** [N]
Pulicaria petiolaris Jaub. & Spach, Ill. Pl. Orient. 4 (35): 69, t. 344 (1852) –**P** [GE]
Pulicaria sicula (L.) Moris, Fl. Sardoia 2: 363 (1843) –**A** [N]
Pulicaria undulata (L.) C.A.Mey., Verz. Pfl. Casp. Meer.: 79 (1831).
 subsp. *undulata* –**S** [N, O, M, D, R, GE, S]
Pulicaria vulgaris Gaertn., Fruct. Sem. Pl. 2: 461, t. 173, f. 7 (1791).
 subsp. *vulgaris* –**A** [N, O]
Reichardia picroides (L.) Roth, Bot. Abh. Beobacht.: 35 (1787) –**P** [M, ?S]
Reichardia tingitana (L.) Roth, Bot. Abh. Beobacht.: 35 (1787) –**A** [N, O, M, D, R, GE, S]
Rhagadiolus stellatus (L.) Gaertn., Fruct. Sem. Pl. 2: 354, t. 157, f. 2 (1791) –**A** [M]
Scolymus hispanicus L., Sp. Pl., ed. 1, 2: 813 (1753).
 subsp. *hispanicus* –**A** [O, M]
Scolymus maculatus L., Sp. Pl., ed. 1, 2: 813 (1753) –**A** [N, O]
Scorzonera drarii V.Täckh., Svensk Bot. Tidskr. 26: 375 (1932) –**P/E** [S (Ain el-Gedirat)]
Scorzonera schweinfurthii Boiss., Fl. Orient. Suppl.: 320 (1888) –**P** [De (Galala), S]
Scorzoneroides hispidula (Delile) Greuter & Talavera, Willdenowia 36 (2): 691 (2006).
 [=Leontodon *hispidulus* (Delile) Boiss., Fl. Orient. 3: 727 (1875)] –**A** [N, M, D, S]
Scorzoneroides laciniata (Bertol.) Greuter, Willdenowia 36 (2): 691 (2006).
 [=Leontodon *laciniatus* (Bertol.) Widder ex Bornm., Beih. Bot. Centralbl. 60B: 217 (1939)] –**A** [D, S]
Scorzoneroides simplex (Viv.) Greuter & Talavera, Willdenowia 36 (2): 691 (2006).
 [=Leontodon *simplex* (Viv.) Widder, Phytion (Horn) 12: 209 (1967)] –**A** [M]
Senecio aegyptius L., Sp. Pl., ed. 1, 2: 867 (1753).
 [=var. *aegyptius*] –**A** [N, O, De]
 [=var. *discoideus* Boiss., Fl. Orient. 3: 388 (1875)] –**A** [N, O, M, De]
Senecio belbaysius Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 270, t. 45, f. 3 (1813) –**A** E [N]
Senecio flavus (Decne.) Sch.Bip. in P.B.Webb & S.Berthelot, Hist. Nat. Iles Canaries 3 (2; 2): 319 (1845) –**A**
 [N, De, R, GE, S]
Senecio glaucus L., Sp. Pl., ed. 1, 2: 868 (1753).
 subsp. *coronopifolius* (Maire) C.Alexander, Notes Roy. Bot. Gard. Edinburgh 37: 412 (1979) –**A**
 [N, O, M, D, R, S]
 subsp. *glaucus* –**A** NE [M, D, S]
Senecio hoggariensis Batt. & Trab., Bull. Soc. Bot. France 58: 626, 671 (1912) –**A** [De, GE, S]
Senecio vernalis* Waldst. & Kit., Descr. Icon. Pl. Hung. 1: 23 (1800) –A** [De]
Senecio vulgaris L., Sp. Pl., ed. 1, 2: 867 (1753).
 subsp. *vulgaris* –**A** [N, O, M, De]
Silybum marianum (L.) Gaertn., Fruct. Sem. Pl. 2: 378 (1791).
 var. *albiflorum* Eig., Bull. Inst. Agric. Nat. Hist. Tel-Aviv 6: 44 (1927) –**B** [N, O, M, S]

- var. *marianum* –**B** [N, O, M, S]
Sonchus asper (L.) Hill, Herb. Brit. 1: 47 (1769).
 subsp. *asper* –**A** [N, O, M, S]
 subsp. *glaucescens* (Jord.) Ball, J. Linn. Soc., Bot. 16: 548 (1878) –**B** [N, O]
Sonchus bulbosus (L.) N.Kilian & Greuter, Willdenowia 33 (2): 237 (2003).
 subsp. *bulbosus* –**P** [M]
Sonchus macrocarpus Boulos & C.Jeffrey, Taxon 18: 349 (1969) –**A/P**
 E [N (Delta), M (Alexandria), De (along canals east of the Nile Delta)]
Sonchus maritimus L., Syst. Nat., ed. 10, 2: 1192 (1759). [N, O, M, De]
 subsp. *maritimus* –**P**
Sonchus oleraceus L., Sp. Pl., ed. 1, 2: 794 (1753) –**A** [N, O, M, D, R, GE, S]
Sonchus tenerrimus L., Sp. Pl., ed. 1, 2: 794 (1753).
 subsp. *tenerrimus* –**A/B/P** [O (Siwa), M]
Sphaeranthus suaveolens (Forssk.) DC., Prodr. 5: 370 (1836).
 var. *suaveolens* –**P** [N, M, De (Suez)]
 var. *abyssinicus* (Steetz) Ross-Craig, Hooker's Icon. Pl. 35: 44 (1954) –**P**[N]
Symphytotrichum squamatum (Spreng.) G.L.Nesom, Phytologia 77(3): 292 (1995) –**A/B** [N, O, M, D, S]
Tagetes minuta L., Sp. Pl., ed. 1, 2: 887 (1753) –**A** [N (Khanka, Belbeis)]
Tanacetum sinaicum (Fresen.) Delile ex K. Bremer & Humphries, Bull. Nat. Hist. Mus. (London), Bot. 23 (2): 103 (1993) –**S** NE [S]
Taraxacum minimum (V.Brig.) N.Terracc., Atti Real Ist. Incoragg. Sci. Nap. Napoli, ser. 2, 6: 352 (1859) –**P**
 [M (Burg El-Arab)]
Taraxacum turcicum Soest, Acta Bot. Neerl. 17: 495 (1968) –**P** [N (Zohriya Garden, Cairo)]
 Tragopogon coelesyriacus* Boiss., Diagn. Pl. Orient. 11: 47 (1849) –B**[S]
Tragopogon collinus DC., Prodr. 7 (1): 115 (1838) –**B/P** [S]
Tragopogon porrifolius L., Sp. Pl., ed. 1, 2: 789 (1753). subsp. *porrifolius*
 [= *Tragopogon sinuatus* Avé-Lall, Pl. Ital. Bor.: 17 (1829)] –**B/P** [S]
Tripleurospermum auriculatum (Boiss.) Rech.f., Fl. Lowland Iraq: 629 (1964) –**A** [De, S]
Urospermum picroides (L.) Scop. ex F.W.Schmidt, Samml. Phys. Aufsätze Böhm. Naturgesch.1: 275 (1795) –**A**
 [N, O, M, De, GE, S]
Verbesina encelioides (Cav.) Benth. & Hook.f. ex A.Gray in S.Watson & al., Bot. California 1: 350 (1876) –**A**
 [N (Aswan), O (Kharga), S (El-Arish)]
Volutaria crupinoides (Desf.) Maire in É.Jahand. & al., Cat. Pl. Maroc 3: 818 (1934) –**A** [M, De, S]
Volutaria lippii (L.) Cass., Bull. Sci. Soc. Philom. Paris 1816: 200 (1816).
 subsp. *lippii*
 [= *Volutaria lippii* (L.) Cass. Ex Maire in Jahand. & Maire, Cat. Pl. Maroc 3: 817 (1934)] –**A** [M, D, R, S]
Volutaria sinaica (DC.) Wagentiz, Candollea 46 (2): 409 (1991) –**A** [De, R, GE, S]

Volutaria tubuliflora (Murb.) Sennen, Campagn. Bot.: 147 (1936) –**A**[M]

Xanthium chinense Mill., Gard. Dict., ed. 8.: n.° 4 (1768).

[=**Xanthium pungens* Wallr., Beitr. Bot. 1: 231 (1842) –**A** [N, O, M]

Xanthium orientale* L., Sp. Pl., ed. 2.: 1400 (1763) –A** [M, S]

Xanthium spinosum L., Sp. Pl., ed. 1, 2: 987 (1753).

subsp. *spinosum* –**A**[N, M, De, S]

Xanthium strumarium L., Sp. Pl., ed. 1, 2: 987 (1753) –**A**[N, O, M, S]

Zoegea purpurea Fresen., Mus. Senckenberg. 1: 86, t. 5 (1833) –**A** [De, S]

73. CAPRIFOLIACEAE [VALERIANACEAE, DIPSACACEAE] (6 genera, 15 taxa)

Cephalaria syriaca (L.) Schrad. ex. Roem. & Schult., Syst. Veg., ed. 15 [bis]. 3: 45 (1818).

var. *syriaca*

[=*Cephalaria syriaca* (L.) Schrad., Index Seminum (GOET, Gottingensis) 1814: 2 (1814)] –**A**[N, M,

De, S]

Lomelosia aucheri (Boiss.) Greuter & Burdet, Willdenowia 15 (1): 73 (1985).

[=*Scabiosa aucheri* Boiss., Diagn. Pl. Orient., ser. 1, 2: 111 (1843)] –**A** [S]

Lomelosia olivieri (Coul.) Greuter & Burdet, Willdenowia 15(1): 75 (1985).

[=*Scabiosa olivieri* Coult., Mém. Dipsac. 36 (1823)] –**A** [S]

Lomelosia palaestina (L.) Raf., Fl. Tellur. 4: 95 (1838).

[=*Scabiosa palaestina* L., Mant. Pl.: 37 (1767)] –**A** [De, S]

Lomelosia prolifera (L.) Greuter & Burdet, Willdenowia 15(1): 75 (1985).

[=*Scabiosa prolifera* L., Syst. Nat., ed. 10, 2: 889 (1759)] –**A** [S]

Pterocephalus arabicus Boiss., Diagn. Pl. Orient, sér. 1, 10: 78 (1849) –**S****E** [M, S]

Pterocephalus brevis Coult., Mém. Dipsac.: 32, t. 1, f. 16 (1823) –**A** [M, S]

Pterocephalus plumosus (L.) F.Dietr., Nachtr. Vollst. Lex. Gärt. 7: 5 (1821).

[=*Pterocephalus plumosus* (L.) Coult., Mém. Dipsac. 31 (1823)] –**A**[M, S (Rafah, 'Oga Hafir)]

Pterocephalus sanctus Decne., Ann. Sci. Nat. Bot., sér. 2, 2: 266 (1834) –**S****NE** [S]

Scabiosa arenaria Forssk., Fl. Aegypt.-Arab.: LXI. no. 89 (1775) –**A** [M, De, S]

Scabiosa eremophila Boiss., Diagn. Pl. Orient., sér. 1, 10: 79 (1849) –**A****NE** [M, S]

Scabiosa tenuis Spruner ex Boiss., Diagn. Pl. Orient., sér. 1, 2: 114 (1843) –**A** [?Dw]

Valeriana discoidea (L.) Willd., Sp. Pl., ed. 4, 1: 184 (1797).

[=*Valerianella discoidea* (L.) Loisel., Not. Fl. France: 148 (1810)] –**A**[M]

Valeriana szovitsiana (Fisch. & C.A.Mey.) Christenh. & Byng, Global Fl. 4: 149 (2018).

[=*Valerianella szovitsiana* Fisch. & C.A.Mey., Index Seminum (LE, Petropolitanus) 3: 48 (1837)] –

A [D, S]

Valerianella petrovichii Asch. in G.Rohlf, Kufra: 526 (1881) –**A** **NE** [M]

74. CRASSULACEAE (3 genera, 6 species)

Crassula alata (Viv.) A.Berger in H.G.A.Engler, Nat. Pflanzenfam., ed. 2. 18a: 389 (1930) –**A**

[M]

Rosularia lineata (Boiss.) A.Berger in H.G.A.Engler, Nat. Pflanzenfam., ed. 2. 18a: 466 (1930) –

P **NE** [S]

Umbilicus botryoides Hochst. ex A.Rich., Tent. Fl. Abyss. 1: 308 (1848) –**P**[GE]

Umbilicus horizontalis (Guss.) DC., Prodr. 3: 400 (1828). [=var. *horizontalis*] –**P**[M, S]

Umbilicus intermedius Boiss., Fl. Orient. 2: 769 (1872).

[=var. *intermedius* (Boiss.) D.F.Chamb. in P.H.Davis (ed.), Fl. Turkey 4: 213 (1972)] –**P** [De, S]

- Umbilicus rupestris* (Salisb.) Dandy in H.J.Riddelsdell, G.W.Hedley & W.R.Price (eds.), Fl. Gloucestershire: 611 (1948) –**P** [S]
- 75. HALORAGACEAE [HALORAGIDACEAE]** (1 genus, 1 species)
Myriophyllum spicatum L., Sp. Pl., ed. 1, 2: 992 (1753) –**P**[N, M, De (Qantara)]
- 76. CYNOMORIACEAE [BALANOPHORACEAE]** (1 genus, 1 taxon)
Cynomorium coccineum L., Sp. Pl., ed. 1, 2: 970 (1753).
 subsp. *coccineum* –**P** [M, De, S]
- 77. VITACEAE** (2 genera, 2 taxa)
Afrocarpatia ibuensis (Hook.f.) J.Wen & V.C.Dang, J. Syst. Evol. 58: 1104 (2020).
 [=Cayratia ibuensis (Hook.f.) Suess. in H.G.A.Engler, Nat. Pflanzenfam., ed. 2. 20d: 278 (1953)] –
CH [GE]
- Cissus quadrangularis* L., Syst. Nat., ed. 12, 2: 124 (1767)
 var. *quadrangularis* –**L** [GE]
- 78. CUCURBITACEAE** (10 genera, 16 taxa)
Bryonia cretica L., Sp. Pl., ed. 1, 2: 1013 (1753).
 subsp. *cretica* –**P** [M]
- Bryonia syriaca* Boiss., Diagn. Pl. Orient., sér. 2, 2: 59 (1856) –**P** NE [M, S]
Citrullus colocynthis (L.) Schrad., Linnaea 12: 414 (1838) –**P** [N, O, M, D, R, GE, S]
Coccinia grandis (L.) Voigt, Hort. Suburb. Calcutt.: 59 (1845) –**P**[N, GE]
Corallocarpus schimperi (Naudin) Hook.f. in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 2: 567 (1871) –**P****CH** [GE]
- Cucumis ficifolius* A.Rich., Tent. Fl. Abyss. 1: 294 (1847) –**P** [GE]
 **Cucumis melo* L., Sp. Pl., ed. 1, 2: 1011 (1753)
 subsp. *agrestis* (Naudin) Pangalo, P.M.Zhukovsky, Turq. Agric.: 534 (1933) –**A** [N]
Cucumis prophetarum L., Cent. Pl. 1: 32(1755).
 subsp. *dissectus* (Naudin) C.Jeffrey, Kew Bull. 15: 351 (1962) –**P** [R, GE]
 subsp. *prophetarum* –**P** [De, R, GE, S]
- Ecballium elaterium* (L.) A.Rich. in J.B.G.Bory de Saint-Vincent, Dict. Class. Hist. Nat. 6: 19 (1824) –**P** [S]
- Kedrostis foetidissima* (Jacq.) Cogn. in A.L.P.P.de Candolle & A.C.P.de Candolle, Monogr. Phan. 3: 634 (1881) –
P [GE]
- Kedrostis gijef* (Forssk. ex J.F.Gmel.) C.Jeffrey, Kew Bull. 15: 354 (1962) –**P** [GE]
 Lagenaria siceraria* (Molina) Standl., Publ. Field Mus. Nat. Hist., Bot. Ser. 3: 435 (1930) –C** [N]
- Momordica balsamina* L., Sp. Pl., ed. 1, 2: 1009 (1753) –**A** [N, O, M, D, S]
Momordica charantia L., Sp. Pl., ed. 1, 2: 1009 (1753) –**A** [N]
Zehneria anomala C.Jeffrey, Kew Bull. 15: 364 (1962) –**P** [GE]
- 79. FABACEAE [LEGUMINOSAE]:**
I. Subfamily Faboideae: (41 genera, 253 taxa)
Alhagi graecorum Boiss., Diagn. Pl. Orient., sér. 1, 9: 114 (1849) –**P** [N, O, M, D, R, S]
Anagyris foetida L., Sp. Pl., ed. 1, 1: 374 (1753) –**S**[M, S]

Anthyllis circinnata (L.) D.D.Sokoloff, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol., n.s., 108 (3): 46 (2003).

[=*Hymenocarpus circinnatus* (L.) Savi, Fl. Pis. 2: 205 (1798)] –**A** [M, S]

Anthyllis vulneraria L., Sp. Pl., ed. 1, 2: 719 (1753). subsp. *maura* (Beck) Maire, Bull. Soc. Hist. Nat. Afrique N. 20: 20 (1929) –**A/P** [M]

Argyrolobium arabicum (Decne.) Jaub. & Spach, Ill. Pl. Orient. 1: 115 (1842). [= *Argyrolobium arabicum* (Decne.) Jaub. & Spach, Sci. Nat. Bot. sér. 2, 19: 46 (1843)] –**A/P** [GE, S]

Argyrolobium saharae Pomel, Nouv. Mat. Fl. Atl. 1: 177 (1874). [= *Argyrolobium saharae* Pomel, Bull. Soc. Sci. Phys. Algérie 11: 177 (1874)] –**S** [O (Uweinat)]

Argyrolobium uniflorum (Decne.) Jaub. & Spach, Ann. Sci. Nat. Bot., sér. 2, 19: 45 (1843) –**S** [M, D, S]

Astragalus amalecitanus Boiss., Diagn. Pl. Orient., sér. 1, 9: 46 (1849) –**P** NE [S]

Astragalus annularis Forssk., Fl. Aegypt.-Arab.: 139 (1775) –**A** [N, M, De, S]

Astragalus arpilobus Kar. & Kir., Bull. Soc. Imp. Naturalistes Moscou 15: 336 (1842). subsp. *hauarensis* (Boiss.) Podlech, Sendtnera 2: 58 (1994).

[=*Astragalus hauarensis* Boiss., Diagn. Pl. Orient., sér. 1, 9: 63 (1849)] –**A** [M, D, S]

Astragalus asterias Steven, Bull. Soc. Imp. Naturalistes Moscou 4: 267 (1832).

[=subsp. *asterias*] –**A** [M, D, S]

[=subsp. *radiatus* (Batt.) Greuter, Willdenowia 15: 427 (1986)] –**A** [M, De, S]

Astragalus boeticus L., Sp. Pl., ed. 1, 2: 758 (1753) –**A** [N, M, S]

Astragalus bombycinus Boiss., Diagn. Pl. Orient., sér. 1, 2: 50 (1843) –**A** [N, De, S]

Astragalus callichrous* Boiss., Diagn. Pl. Orient. sér. 1, 9: 62 (1849) –A** [S]

Astragalus camelorum Barbey, Herb. Levant: 131 (1882) –**P** NE [S]

Astragalus caprinus L., Sp. Pl., ed. 1, 2: 1071 (1763)

subsp. *caprinus* –**P** [M, S]

Astragalus crenatus Schult., Observ. Bot.: 186 (1809).

[=*A. corrugatus* Bertol., Rar. Lig. [Ital.] Pl. 3: 33 (1810) subsp. *corrugatus*] –**A** [N, O, De, S]

[=*A. corrugatus* subsp. *tenuirugis* (Boiss.) Eig, Syst. Stud. Astragalus Near East: 16 (1955) –**A** [S]

Astragalus cretaceus Boiss. & Kotschy in P.E.Boissier, Diagn. Pl. Orient, sér. 2, 5: 84 (1856) –**P**

[S]

Astragalus dactylocarpus Boiss., Diagn. Pl. Orient. 2: 60 (1843). subsp. *acinaciferus* (Boiss.) E. Ott, Phanerog. Monogr. 9: 62 (1978) –**S** [De, S]

Astragalus echinus DC., Astragalogia: 197 (1802). subsp. *echinus* –**S** [S]

Astragalus eremophilus Boiss., Diagn. Pl. Orient, sér. 1, 2: 54 (1843)

subsp. *eremophilus* –**A** [O, M, D, R, GE, S]

Astragalus fresenii Decne., Ann. Sci. Nat., Bot., sér. 2, 3: 266 (1835) –**P** E [S]

Astragalus fruticosus Forssk., Fl. Aegypt.-Arab.: 139 (1775) –**P** NE [N, M, S]

Astragalus hamosus L., Sp. Pl., ed. 1, 2: 758 (1753) –**A** [N, M, De, S]

Astragalus hispidulus DC., Astragalogia: 132, no. 30, t.13 (1802) –**A** NE [N, O (Siwa), M, De, S]

Astragalus intercedens Sam. ex Rech.f., Ark. Bot., ser. 2, 1, 5: 308 (1950) –**A** NE [S]

Astragalus kahiricus DC., Prodr. 2: 292 (1825) –**P** [M, De, S]

Astragalus kralikii Coss. ex Batt. in J.A.Battandier & L.C.Trabut, Fl. Algérie 1, Dicot.: 259 (1889).

- [=*Astragalus hispidulus* subsp. *kralikii* (Coss. ex Batt) Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 69 (1974)] –**A**[M, De, S]
- Astragalus macrocarpus* DC., Astragalogia: 143 (1802). subsp. *macrocarpus* –**P** [De, S]
- Astragalus mareoticus* Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 257 (1813) –**A** [M, De]
- Astragalus palaestinus* Eig., J. Bot. 72: 124 (1934) –**A**/**P****NE** [S (El-Bustan)]
- Astragalus peregrinus* Vahl., Symb. Bot. 1: 57 (1790). subsp. *peregrinus* –**A** [M, S]
- **Astragalus pseudosinaicus* Gazer & Podlech, Sendtnera 1: 110 (1993) –**A**[M]
- Astragalus sanctus* Boiss., Diagn. Pl. Orient., sér. 1, 9: 47 (1849) –**P** **NE** [S]
- Astragalus schimperi* Boiss., Diagn. Pl. Orient., ser. 1, 2: 53 (1843).
var. *schimperi* –**A** [De, S]
var. *subsessilis* Eig., Syst. Stud. Astrag. Near East 13 (1955) –**A** [De, S]
- Astragalus sieberi* DC., Prodr. 2: 295 (1825) –**S**[N, De, R, S]
- Astragalus sinaicus* Boiss., Diagn. Pl. Orient., ser. 1, 9: 57 (1849) –**A** [S]
- Astragalus sparsus* Decne., Ann. Sci. Nat., Bot, sér. 2, 3: 267 (1835) –**P** [S]
- Astragalus spinosus* (Forssk.) Muschl., Verh. Bot. Vereins Prov. Brandenburg 49: 98 (1907 publ. 1908) –**S**
[N, M, D, S]
- **Astragalus stella* L., Syst. Nat., ed. 12. 2(2): 1134 (1767) –**A** [De, S]
- Astragalus tribuloides* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 70 (1813).
var. *elarishensis* Eig. Bull. Zionist Org. Inst. Agric. Nat. Hist. 6: 29 (1927) –**A** [S]
var. *leiocarpus* Boiss., Fl. Orient. 2: 225 (1872) –**A** [M, D, S]
var. *mareoticus* Širj., Feddes Repert. Spec. Nov. Regni Veg. 53: 226 (1944)] –**A** [M (Lake Mariut region)]
var. *minutus* (Boiss.) Boiss., Fl. Orient. 2: 225 (1872)] –**A** [M, De, S]
var. *tribuloides* –**A** [O, M, D, S]
- Astragalus trigonus* DC., Astragalogia: 186 (1802) –**S** [O, M, D, S]
- Astragalus trimestris* L., Sp. Pl., ed. 2: 761 (1753) –**A** **NE** [M, S]
- Astragalus vogelii* (Webb) Bornm., Beih. Bot. Centralbl. 33 (2): 233 (1915).
subsp. *fatimensis* Maire, Mém. Soc. Hist. Nat. Afrique N. 3: 126 (1933) –**A** [De, S]
subsp. *vogelii* –**A** [N, O, D, R, S]
- **Biserrula epiglottis* (L.) Coulot, Rabaute & J.-M.Tison, Biocosme Mésogéen 31 (1): 1 (2014) –**A**
[M]
- **Biserrula pelecinus* L., Sp. Pl., ed. 1, 2: 762 (1753).
subsp. *pelecinus* –**A** [S]
- Bituminaria bituminosa* (L.) C.H.Stirt., Bothalia 13(3-4): 318 (1981)
subsp. *bituminosa* –**P** [S]
- Bituminaria flaccida* (Nábělek) Greuter, Willdenowia 16 (1): 108 (1986) –**P** **NE** [S]
- **Cicer cuneatum* Hochst. ex A.Rich., Tent. Fl. Abyss. 1: 195 (1848) –**A**[N, GE]
- Clitoria ternatea* L., Sp. Pl., ed. 1, 2: 753 (1753) –**P** [N]
- Colutea istria* Mill, Gard. Dict., ed. 8, no. 2 (1768) –**S** [S]
- Coronilla repanda* (Poir.) Guss., Fl. Sicul. Syn. 2: 302 (1844).
[=*C. repanda* subsp. *repanda*] –**A** [S]
- Coronilla scorpioides* (L.) W.D.J.Koch, Syn. Fl. Germ. Helv.: 188 (1837) –**A** [M, De, S]
- Coronilla securidaca* L., Sp. Pl., ed. 1, 2: 743 (1753).

- [=*Securigera securidaca* (L.) Degen & Dörfl., Denkschr. Kaiserl. Akad. Wiss., Wien. Math.-Naturwiss. Kl. 64: 718 (1897)] –**A** [M]
- Crotalaria aegyptiaca* Benth., London J. Bot. 2: 473 (1843) –**S** [N, D, R, GE, S]
- Crotalaria impressa* Nees ex Walp., Repert. Bot. Syst. 1: 590 (1842) –**A** [GE]
- Crotalaria microphylla* Vahl, Symb. Bot. 1: 52 (1790) –**A** [N, R, GE]
- Crotalaria senegalensis* (Pers.) Bacle ex DC., Prodr. 2: 133 (1825) –**A/P** [GE]
- Crotalaria thebaica* (Delile) DC., Prodr. 2: 128 (1825) –**S** [N, O (Uweinat), D, R, S]
- Cullen plicatum* (Delile) C.H.Stirt., Bothalia 13 (3-4): 317 (1981). [= *Cullen plicata* (Delile) C.H.Stirt., Bothalia 13 (3-4): 317 (1981)] –**S** [N, D]
- **Desmodium tortuosum* (Sw.) DC., Prodr. 2: 332 (1825) –**A/P** [N]
- Ebenus armitagei* Schweinf. & Taub., Bull. Herb. Boissier 1: 645 (1893) –**S NE** [M]
- Hippocrepis areolata* Desv., Mém. Soc. Linn. Paris 4: 329 (1826) –**A** [M, De, S]
- **Hippocrepis biflora* Spreng., Pl. Min. Cogn. Pug. 2: 73 (1815) –**A** [S]
- Hippocrepis constricta* Kunze, Linnaea 16 (3): 320 (1842) –**A** [N, M, D, R, S]
- Hippocrepis cyclocarpa* Murb., Acta Univ. Lund. 33 (12): 80 (1897) –**A** [M]
- Hippocrepis multisiliquosa* L., Sp. Pl., ed. 1 2: 744 (1753) –**A** [S]
- Hippocrepis unisiliquosa* L., Sp. Pl., ed. 1: 2, 744 (1753).
subsp. *bisiliqua* (Forssk.) Bornm., Notizbl. Bot. Gart, Berlin-Dahlem 10: 438 (1928) –**A** [M, De, S]
- subsp. *unisiliquosa* –**A** [S]
- Indigofera arabica* Jaub. & Spach, Ill. Pl. Orient. 5: 89 (1856) –**P** [S]
- Indigofera argentea* Burm.f., Fl. Indica: 171 (1768), non L. (1771) –**S** [N, D, R, GE]
- Indigofera articulata* Gouan, Ill. Observ. Bot.: 49 (1773) –**S** [N, O, D, R, GE]
- Indigofera coerulea* Roxb., Trans. Soc. London Encour. Arts 28: 294 (1811). var. *coerulea*
[=*Indigofera coerulea* Roxb., Hort. Beng. 57 (1814) var. *coerulea*] –**S** [De (north and west of Gebel Elba), GE]
- Indigofera colutea* (Burm.f.) Merr., Philipp. J. Sci. 19: 355 (1921) –**A** [R]
- Indigofera cordifolia* B.Heyne ex Roth, Nov. Pl. Sp.: 357 (1821) –**A** [N, M, Dw (Giza Pyramids), S]
- Indigofera hochstetteri* Baker in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 2: 101 (1871) –**A** [N, O, GE]
- Indigofera lotononoides* Baker f. J. Bot. (London) 41: 187 (1903) –**P** [O (Uweinat)]
- Indigofera oblongifolia* Forssk., Fl. Aegypt.-Arab.: 137 (1775) –**S** [N, D, GE]
- Indigofera sessiliflora* DC., Prodr. 2: 228 (1825) –**A** [O (Uweinat), GE]
- Indigofera spiniflora* Hochst. ex Boiss., Fl. Orient. 2: 190 (1872) –**S** [R, GE]
- Indigofera spinosa* Forssk., Fl. Aegypt.-Arab.: 137 (1775) –**S** [De, R, GE]
- Indigofera subulata* Vahl ex Poir. in J.B.A.M.de Lamarck, Encycl., Suppl. 3: 150 (1813)
var. *subulata*
[=*Indigofera trita* L.f., Suppl. Pl.: 335 (1781) subsp. *subulata* (Vahl ex Poir.) Ali var. *nubica* (J. B. Gillett) Boulos & Schrire in Boulos, Fl. Egypt 1: 313 (1999)] –**S** [N, GE]
- Lathyrus annuus* L., Demonstr. Pl.: 20 (1753) –**A** [N, O, M, S (El-Arish, Rafah)]
- Lathyrus aphaca* L., Sp. Pl., ed. 1, 2: 729 (1753) –**A** [N, O, M, S]
- Lathyrus fulvus* (Sm.) Kosterin, Vavilov J. Genet. Breed. 21 (2): 168 (2017).
[= *Pisum fulvum* Sm. in J.Sibthorp & J.E.Smith, Fl. Graec. Prodr. 2: 62 (1813) –**A** [S]]

- Lathyrus gorgoni* Parl., Giorn. Sci. Sicilia 62: 3 (1838). var. *gorgoni* –**A**[S]
 var. *lineatus* (Post) C.C.Towns., Kew Bull. 25 (3): 471 (1971) –**A** [N, M, Dw]
 Lathyrus hierosolymitanus* Boiss., Diagn. Pl. Orient. ser. 1, 9: 127 (1849) –A** [O, M]
Lathyrus hirsutus L., Sp. Pl., ed. 1, 2: 732 (1753) –**A** [N, O, M, De]
Lathyrus marmoratus Boiss. & Balansa in P.E.Boissier, Fl. Orient. 2: 606 (1872) –**A** [N, M, S]
Lathyrus oleraceus Lam., Fl. Franç. 2: 580 (1779).
 [=*Pisum sativum* subsp. *elatus* (M. Bieb.) Asch. & Graebn., Syn. Mitteleur. Fl. 6 (2): 1064 (1910) –
A[N]
 [=*Pisum sativum* subsp. *humile* Greuter, Matthäs & Risse, Willdenowia 14 (2): 283 (1985)] –**A**
 [M]
 [=*Pisum sativum* L., Sp. Pl., ed. 1, 2: 727 (1753) subsp. *sativum*] –**A**[N, O, M]
 Lathyrus pseudocicera* Pamp., Nuovo Giorn. Bot. Ital., n. s., 31: 213 (1924) –A**[M]
Lathyrus sativus L., Sp. Pl., ed. 1, 2: 730 (1753) –**A** [N, O, M]
Lathyrus setifolius L., Sp. Pl., ed. 1, 2: 731 (1753) –**A** [M]
Lathyrus sphaericus Retz., Observ. Bot. 3: 39 (1783) –**A** [N, Dw]
Leobordea platycarpa (Viv.) B.-E.van Wyk & Boatwr., Taxon 60 (1): 173 (2011).
 [=*Lotononis platycarpa* (Viv.) Pic.Serm., Webbia 7: 331 (1950)] –**A**/**P** [O (Uweinat), De, R, S]
 Leucaena leucocephala* (Lam.) de Wit, Taxon 10 (2): 53 (1961) –P** [N]
Lotus angustissimus L., Sp. Pl., ed. 1, 2: 774 (1753) –**A** [M, N]
Lotus arabicus Sol. ex L., Mant. Pl.: 104 (1767) –**A**[N, O, M, De]
 Lotus arenarius* Brot., Fl. Lusit. 2: 120 (1804) –P** [M]
Lotus creticus L., Sp. Pl., ed. 1, 2: 775 (1753) –**P** [M, D, S]
Lotus cytisoides L., Sp. Pl., ed. 1, 2: 776 (1753) –**P** [M, Dw]
Lotus edulis L., Sp. Pl., ed. 1, 2: 774 (1753) –**A** [M]
 Lotus gebelia* Vent., Descr. Pl. Nouv.: t. 57 (1801) –P** [De]
Lotus glinoides Delile, Index Seminum (MPU, Monspeliensis) 1836: 26 (1837). [=*Lotus*
glinoides Delile, Ann. Sci. Nat. Bot., sér. 2, 7: 286 (1837)] –**A** [N, De, R, GE, S]
Lotus halophilus Boiss. & Spruner in P.E.Boissier, Diagn. Pl. Orient. 2: 37 (1843) –**A** [N, O, M,
 D, S]
 Lotus hebecarpus* J.B.Gillett, Kew Bull. 13 (3): 377 (1958 publ. 1959) –A**/**P** [GE]
Lotus hebranicus Hochst. ex Brand, Bot. Jahrb. Syst. 25(1-2): 176 (1898) –**S** NE [De, R, GE, S]
Lotus lalambensis Schweinf., Bull. Herb. Boissier 4 (App. 2): 235 (1896) –**A**/**P**[S]
Lotus lanuginosus Vent., Jard. Malmaison: 92 (1805) –**P** [S]
Lotus nubicus Hochst. ex Baker in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 2: 61 (1871) –**A**
 NE [R, GE]
Lotus ornithopodioides L., Sp. Pl., ed. 1, 2: 775 (1753) –**A**[O, M, S]
Lotus palustris Willd., Sp. Pl., ed. 4, 3: 1394 (1802) –**P** [O, M]
Lotus pedunculatus Cav., Icon. 2: 52, pl. 164 (1793)
 subsp. *pedunculatus* –**P**[M (Damietta)]
Lotus peregrinus L., Sp. Pl., ed.1, 2: 774 (1753) –**A** [N, O, M]
Lotus polyphyllus E.D.Clarke, Travels Eur. Asia & Africa 2(2): 41 (1814) –**S**NE [M]
 Lotus requienii* Mauri ex Sanguin., Cent. Prodr. Fl. Rom.: 106 (1837) –A** [S]
Lotus tenuis Waldst. & Kit. ex Willd., Enum. Pl. Hort. Berol. 2: 797 (1809).
 [=*Lotus glaber* Mill., Gard. Dict., ed. 8, no. 3 (1768)] –**P** [N, O (Siwa), M, R, S]

- Lotus tetragonolobus* L. Sp. Pl, ed. 1, 2: 773 (1753) –**A** [M, S]
- Lupinus albus* L., Sp. Pl., ed. 1, 2: 721 (1753)
- subsp. *albus* –**A** [N, O, S]
- Lupinus angustifolius* L., Sp. Pl., ed. 1, 2: 721 (1753) –**A**[N, GE]
- Lupinus digitatus* Forssk., Fl. Aegypt.-Arab.: 131 (1775) –**A** [N, D, S]
- Lupinus palaestinus* Boiss., Diagn. Pl. Orient, ser. 1, 9: 9 (1849) –**A****NE** [S]
- **Macroptilium atropurpureum* (DC.) Urb., Symb. Antill. 9: 457 (1928) –**P** [N]
- **Macroptilium lathyroides* (L.) Urb., Symb. Antill. 9: 457 (1928) –**P** [N]
- Medicago arabica* (L.) Huds., Fl. Angl., ed. 1, 288 (1762) –**A** [M, S]
- Medicago ciliaris* (L.) All., Fl. Pedem. 1: 315 (1785).
- [=*Medicago intertexta* var. *ciliaris* (L.) Heyn, Scripta Hierosolymitana 12: 129 (1963)] –**A** [N, O, M, S]
- Medicago coronata* (L.) Bartal., Cat. Pianta Siena: 61 (1776) –**A**[M, Dw]
- Medicago granadensis* Willd., Enum. Pl. Hort. Berol.: 803 (1809) –**A** [N]
- Medicago hypogaea* E.Small, Taxon 33 (4): 633 (1984) –**A** [M, S]
- Medicago laciniata* (L.) Mill., Gard. Dict., ed. 8., no. 5 (1768).
- var. *brachyacantha* Boiss., Diagn. Pl. Orient., ser. 1, 9: 10 (1849)] –**A** [M, D, S]
- var. *laciniata* –**A** [N, M, Dw, S]
- Medicago littoralis* Rohde ex Loisel., Not. Fl. France: 119 (1810).
- *var. *aegyptiaca* Turki, El Shayeb & Shehata, Phytol. Balcan. 27(2): 163 (2021) –**A** [M]
- *var. *dentata* Turki, El Shayeb & Shehata, Phytol. Balcan. 27(2): 163 (2021) –**A** [M]
- var. *littoralis* –**A** [N, O, M, D]
- Medicago lupulina* L., Sp. Pl., ed. 1, 2: 779 (1753) –**A**/**P** [O, M, S]
- Medicago marina* L., Sp. Pl., ed. 1, 2: 779 (1753) –**P** [M, S]
- Medicago minima* (L.) Bartal., Cat. Pianta Siena: 60 (1776).[=*Medicago minima* (L.) L., Fl. Angl. 21 (1754)] –**A** [M, Dw, S]
- Medicago monspeliaca* (L.) Trautv., Bull. Sci. Acad. Sci. Saint-Pétersbourg 8: 272 (1841) –**A**
- [M, S]
- Medicago orbicularis* (L.) Bartal., Cat. Pianta Siena: 60 (1776) –**A**[N, M, S]
- Medicago polyceratia* (L.) Sauvages ex Trautv., Bull. Sci. Acad. Sci. Saint-Pétersbourg 8: 272 (1841) –**A**[N]
- Medicago polymorpha* L., Sp. Pl., ed. 1, 2: 779, 1200 (1753) –**A** [N, O, M, D, S]
- Medicago rigidula* (L.) All., Fl. Pedem. 1: 316 (1785) –**A** [N, M]
- Medicago sativa* L., Sp. Pl., ed. 1, 2: 778 (1753). subsp. *sativa* –**P** [N, O, M, De, S]
- Medicago truncatula* Gaertn., Fruct. Sem. Pl. 2: 150 (1790) –**A** [O, M, S]
- Medicago turbinata* (L.) All., Fl. Pedem. 1: 316 (1785) –**A** [M, Dw (Giza Pyramids region)]
- Melilotus albus* Medik., Vorles. Churpfälz, Phys. Ökon. Ges, 2: 382 (1787) –**A**/**P** [N, M, De, S]
- Melilotus elegans* Salzm. ex Ser. in A.P.de Candolle, Prodr. 2: 188 (1825) –**A**[M (Lake Mariut)]
- Melilotus indicus* (L.) All., Fl. Pedem. 1: 308 (1785) –**A** [N, O, M, D, S]
- Melilotus segetalis* (Brot.) Ser. in A.P.de Candolle, Prodr. 2: 187 (1825) –**A**[N]
- Melilotus serratifolius* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 68, f. 10a (1974) –**A** **E** [O (Dakhla Oasis)]
- Melilotus siculus* (Turra) Steud., Nomencl. Bot., ed. 2, 2: 121 (1841).
- [=*Melilotus messanensis* (L.) All., Fl. Pedem. 1: 309 (1785)] –**A** [N, O, De, S]

- Melilotus sulcatus* Desf., Fl. Atlant. 2: 193 (1799) –**A** [N, O, M, D, S]
Microcharis tritoides (Baker) Schrire, Bothalia 22: 167 (1992).
 subsp. *tritoides* –**P** [GE]
 Neltuma juliflora* (Sw.) Raf., Sylva Tellur.: 119 (1838) –P** [N]
Onobrychis crista-galli (L.) Lam., Fl. Franç. 2: 652 (1779)
 subsp. *crista-galli* –**A** [M, D, S]
Onobrychis ptolemaica (Delile) DC., Prodr. 2: 347 (1825) –**P** [De, S]
Ononis diffusa Ten., Fl. Napol. 1: XLI (1811) –**A** [N (Cairo), S]
Ononis mitissima L., Sp. Pl., ed. 1, 2: 717 (1753) –**A** [N, O, M, De]
Ononis natrix L., Sp. Pl., ed. 2, 717 (1753).
 subsp. *natrix* –**S** [M, S]
 subsp. *stenophylla* (Boiss.) Širj., Beih. Centralbl. 49 (2): 470 (1932) –**S**
 [S (El Arish-Rafah region)]
Ononis pubescens L., Mant. Pl. Alt. 2: 267 (1771) –**A** [S]
 **Ononis reclinata* L., Sp. Pl., ed. 1, 2: 1011 (1763).
 subsp. *minor* (Moris) Arcang., Comp. Fl. Ital.: 157 (1882) –**A** [N, M, S]
Ononis serrata Forssk., Fl. Aegypt.-Arab. 130 (1775) –**A** [N, M, D, S]
Ononis sicula Guss., Cat. Pl. Hort. Boccadifalco 78 (1821) –**A** [M, S]
Ononis vaginalis Vahl, Symb. Bot. 1: 53 (1790) –**S** [M]
Ononis variegata L., Sp. Pl., ed. 1, 2: 717 (1753) –**A** [S (Rafah)]
 **Ononis viscosa* L., Sp. Pl.: 718 (1753).
 subsp. *brevisflora* (DC.) Nyman, Consp. Fl. Eur. 161 (1878) –**A** [S]
Retama raetam (Forssk.) Webb & Berthel., Hist. Nat. Iles Canaries 3(2; 2): 56 (1842).
 subsp. *raetam* –**S** [M, D, R, S]
 subsp. *bovei* (Spach) Talavera & P.E. Gibbs, Lagasalia 18: 271 (1996).
 [= *Retama monosperma* (L.) Boiss., Voy. Bot. Espagne 2: 144 (1840) subsp. *bovei* (Spach) Maire in
 É. Jahandiez & al., Cat. Pl. Maroc 2: 357 (1932)] –**S** [M]
Rhynchosia malacophylla (Spreng.) Bojer, Hortus Maurit.: 104 (1837) –**P** [GE]
Rhynchosia minima (L.) DC., Prodr. 2: 385 (1825).
 var. *memmonia* (Delile) T. Cooke, Fl. Bombay 1(2): 389 (1902) –**P** [N, O, D, R, GE, S]
 var. *minima* –**P** [S]
Rhynchosia pulverulenta Stocks, Hooker's J. Bot. Kew Gard. Misc. 4: 147 (1852) –**P** [GE]
Scorpiurus muricatus L., Sp. Pl., ed. 1, 2: 745 (1753) –**A** [N, O, M, D, S]
Sesbania sericea (Willd.) Link, Enum. Hort. Berol. Alt. 2: 244 (1822) –**A/P** [N]
Sesbania sesban (L.) Merr., Philipp. J. Sci., C 7: 234 (1912) –**S/T** [N, O, M, De, S, (El-Arish-Rafah)]
Sulla coronaria (L.) B.H. Choi & H. Ohashi, Taxon 52 (3): 575 (2003).
 [= *Hedysarum coronarium* L., Sp. Pl., ed. 1, 2: 750 (1753)] –**P** [M, Dw (Giza Pyramids region)]
Sulla spinosissima (L.) B.H. Choi & H. Ohashi, Taxon 52 (3): 575 (2003).
 [= *Hedysarum spinosissimum* L., Sp. Pl., ed. 1, 2: 750 (1753) subsp. *spinosissimum*] –**A** [M, S]
Taverniera aegyptiaca Boiss., Diagn. Pl. Orient., sér. 1, 9: 113 (1849) –**S/SNE** [De, R, S]
Taverniera lappacea (Forssk.) DC., Prodr. 2: 339 (1825) –**S/S** [GE]
Tephrosia kassasii Boulos, Feddes Repert. 73: 205 (1966) –**P** **E** [N (Nubia)]

- Tephrosia nubica* (Boiss.) Baker in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 2: 125 (1871).
 subsp. *nubica* –**P** [De (north of GE), GE]
Tephrosia purpurea (L.) Pers., Syn. Pl. 2: 329 (1807).
 subsp. *apollinea* (Delile) Hosni & El-Karemy, Sendtnera 1: 248 (1993) –**A/P** [N, O, De, R, GE, S]
 *subsp. *dunensis* Brummitt, Bol. Soc. Brot. sér. 2, 41: 251 (1968) –**P**[O, S]
 subsp. *leptostachya* (DC.) Brummitt, Bol. Soc. Brot., ser. 2, 41: 245 (1968).
 [= *Tephrosia purpurea* subsp. *leptostachya* var. *pubescens* Baker, Fl. Trop. Afr. 2: 125 (1871)] –**A/P**
 [O (Dakhla & Kharga), De, R, GE, S]
Tephrosia uniflora Pers., Syn. Pl. 2: 329 (1807). subsp. *petrosa* (Blatt. & Hallb.) J.B.Gillett & Ali,
 Kew Bull. 13: 114 (1958) –**P**[GE]
 subsp. *uniflora*
 [= *Tephrosia quartiniana* Cufod. ex Greuter & Burdet, Willdenowia 16: 446 (1987)] –**A/P**
 [De (north of GE), GE, S]
Tephrosia villosa (L.) Pers., Syn. Pl. 2: 329 (1807).
 subsp. *ehrenbergiana* (Schweinf.) Brummitt, Bol. Soc. Brot., sér. 2, 41: 225 (1968) –**A/P** [O
 (Kharga)]
Trifolium alexandrinum L., Cent. Pl. 1: 25 (1755) –**A** [N, O, M, D, S]
Trifolium angustifolium L., Sp. Pl., ed. 1, 2: 769 (1753) –**A**[M]
Trifolium argutum Banks & Sol. in A.Russel, Nat. Hist. Aleppo, ed. 2, 2: 260 (1794) –**A** [M]
Trifolium campestre Schreb. in J.W.Sturm, Deutschl. Fl. Abbild. 4: 16 (1804)
 subsp. *campestre* –**A** [M, S]
Trifolium clusii Gren. & Godr. in J.C.M.Grenier & G.Gordon, Fl. France Corse 1: 414 (1848).
 [= *Trifolium resupinatum* var. *minus* Boiss., Fl. Orient. 2: 137 (1872)] –**A** [N, O, M, D]
Trifolium dasyurum C.Presl, Symb. Bot. (Pragae) 1: 53 (1831) –**A** [M]
Trifolium dichroanthum Boiss., Diagn. Pl. Orient., ser. 1, 9: 20 (1849) –**A** NE [S]
Trifolium fragiferum L., Sp. Pl., ed. 1, 2: 772 (1753)
 var. *fragiferum* –**P** [M (Alexandria)]
Trifolium glanduliferum Boiss., Diagn. Pl. Orient, ser. 1, 2: 30 (1843). var. *nervulosum* (Boiss.
 & Heldr.) Zohary, Fl. Palaestina 2: 175 (1972) –**A** [S]
Trifolium incarnatum L., Sp. Pl., ed. 1, 2: 769 (1753).[=var. *incarnatum*] –**A** [N (Cairo)]
Trifolium lappaceum L., Sp. Pl., ed. 1, 2: 768 (1753).
 var. *lappaceum* –**A** [S]
Trifolium nigrescens Viv., Fl. Ital. Fragm. 12, t. 13 (1808).subsp. *petrisavii* (Clem.) Holmboe,
 Stud. Veg. Cyprus: 106 (1914) –**A**[M]
Trifolium patens Schreb. in J.W.Sturm, Deutschl. Fl. Abbild. 4(16): [18] (1804) –**A** [M]
Trifolium philistaeum Zohary, Israel J. Bot. 19: 296 (1970). [=var. *philistaeum*] –**A** NE [S]
Trifolium purpureum Loisel., Fl. Gall. 2: 484, t.14 (1807).
 var. *desvauxii* (Boiss. & C.I.Blanche) Post, Fl. Syria Pal. Sinai, ed. 1, 236 (1896) –**A** [S (El-Arish,
 Rafah)]
 var. *purpureum* –**A** [M]
Trifolium repens L., Sp. Pl., ed. 1, 2: 767 (1753)
 subsp. *repens* –**P** [N (Cairo), M(Alexandria)]
Trifolium resupinatum L., Sp. Pl., ed. 1, 2: 771 (1753).
 var. *resupinatum* –**A**[N, O, M, D, S]

- Trifolium scabrum* L., Sp. Pl., ed. 1, 2: 770 (1753) –**A**[M]
Trifolium stellatum L., Sp. Pl., ed. 1, 2: 769 (1753)
 var. *stellatum* –**A** [M]
Trifolium tomentosum L., Sp. Pl., ed. 1, 2: 771 (1753).
 [=var. *chthonocephalum* Bornm., Beih. Bot. Centralbl. 31, 2: 204 (1914)] –**A**[M, Dw (Tahrir)]
 [=var. *curvisepalum* (Täckh.) J.Thiéb., Fl. Lib.-Syr. 2: 28 (1940)] –**A** [S]
 [=var. *orientale* Bornm. in Verh. K. K. Zool.-Bot. Ges. Wien 48: 581 (1898)] –**A** [M, S]
 [=var. *tomentosum*] –**A** [N, M, Dw, S]
Trigonella anguina Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 254 (1814) –**A** [N, M, D, S]
Trigonella arabica Delile, Fl. Arabie Pétrée: 86 (1830) –**A** NE [M, S]
Trigonella berythea Boiss. & C.I. Blanche in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 2: 10 (1856) –
A [M, S]
Trigonella cylindracea Desv., J. Bot. Agric. 3: 77 (1814) –**A** [M, S]
Trigonella glabra Thunb., Prodr. Pl. Cap. 2: 137 (1800).subsp. *glabra*
 [=Trigonella *hamosa* L., Syst. Nat., ed. 10. 2, 1180 (1759)] –**A** [N, O, M, S]
Trigonella laciniata L., Sp. Pl., ed. 1, 2: 1095 (1763) –**A**[N, O, M, De, S]
Trigonella maritima Delile in J.B.A.M.de Lamarck, Encycl., Suppl. 5: 361 (1817) –**A**
 [N (around the lakes), M, S]
Trigonella media Delile ex Urb., Verh. Bot. Vereins Prov. Brandenburg 23(Sitzungsber.): 70
 (1882).
 [=Trigonella *media* Delile, Descr. Egypte, Hist. Nat. 71 (1814)] –**A**E [N (Cairo)]
Trigonella occulta Delile ex Ser. in A.P.de Candolle, Prodr. 2: 185 (1825) –**A** [N, M, Dw]
Trigonella schlumbergeri Boiss., Fl. Orient., Suppl.: 163 (1888) –**A**NE [S]
Trigonella stellata Forssk., Fl. Aegypt.-Arab.: 140 (1775) –**A** [N, M, D, R, S]
Tripodion tetraphyllum (L.) Fourr., Ann. Soc. Linn. Lyon, n.s., 16: 359 (1868)
 subsp. *tetraphyllum*
 [=Anthyllis *tetraphylla* L., Sp. Pl., ed. 1, 2: 719 (1753)] –**A** [M (Mersa Matruh)]
Vicia articulata Hornem., Enum. Pl. Hort. Hafn., ed. 2: 41 (1807) –**A**[N (Faiyum), M]
Vicia ervilia (L.) Willd., Sp. Pl., ed. 4, 3: 1103 (1802) –**A**[M]
Vicia hirsuta (L.) Gray, Nat. Arr. Brit. Pl. 2: 614 (1821 publ. 1822) –**A** [De]
Vicia hybrida L., Sp. Pl., ed. 1, 2: 737 (1753) –**A** [N]
Vicia lutea L., Sp. Pl., ed. 1, 2: 736 (1753)
 subsp. *lutea* –**A** [N, O, M]
 **Vicia monantha* Retz., Observ. Bot. 3: 39 (1783).
 subsp. *monantha* –**A** [N, M, D]
Vicia narbonensis L., Sp. Pl., ed. 1, 2: 737 (1753) –**A** [N, O, M, De, S]
Vicia palaestina Boiss., Diagn. Pl. Orient., ser. 1, 9: 116 (1849) –**A** [S]
Vicia parviflora Cav., Anales Ci. Nat. 4: 73 (1801) –**A** [N]
Vicia peregrina L., Sp. Pl., ed. 1, 2: 737 (1753)
 subsp. *peregrina* –**A** [M, S]
Vicia sativa L., Sp. Pl., ed. 1, 2: 736 (1753).
 subsp. *amphicarpa* (L.) Batt. in J.A.Battandier & L.C.Trabut, Fl. Algérie, Dicot.: 268 (1889) –
A[M]

- subsp. *cordata* (Wulfen ex Hoppe) Batt. in J.A.Battandier & L.C.Trabut, Fl. Algérie, Dicot.:
267 (1889) –**A**
[N, O, M, S]
subsp. *nigra* (L.) Ehrh., Hannover Mag. 18: 229 (1780) –**A**[N, O, M, S]
subsp. *sativa* –**A** [N, O, M, De, S]
Vicia serratifolia Jacq., Fl. Austriac. 5 (App.): 30, t. 8 (1778).
[=*Vicia narbonensis* var. *serratifolia* (Jacq.) Ser. in A.P.de Candolle, Prodr. 2: 365 (1825)] –**A** [N]
Vicia sinaica Boulos, Bull. Fac. Sci. Cairo Univ. 34: 80, f. 2 (1958) –**A** E [S]
Vicia tetrasperma (L.) Schreb., Spic. Fl. Lips.: 26 (1771) –**A** [N]
Vicia villosa Roth, Tent. Fl. Germ. 2 (2): 182 (1793). subsp. *microphylla* (d'Urv.) P.W.Ball,
Feddes Repert. 79: 45 (1968) –**A** [M]
subsp. *varia* (Host) Corb., Nouv. Fl. Normandie: 181 (1894) –**A** [M]
Vigna luteola (Jacq.) Benth. in C.F.P.von Martius & auct. suc. (eds.), Fl. Bras. 15 (1): 194 (1859) –
P C [N, M]
Vigna membranacea A.Rich., Tent. Fl. Abyss. 1: 219 (1848). [=subsp. *membranacea*] –**A** [GE]
Vigna unguiculata (L.) Walp., Repert. Bot. Syst. 1: 779 (1843)
subsp. *sesquipedalis* (L.) Verdc., P.H.Davis (ed.), Fl. Turkey 3: 266 (1970) –**A/P**[N, O]
Vigna vexillata* (L.) A. Rich., Hist. Fis. Cuba 10: 191 (1845) –A** [N]
II. Subfamily Caesalpinioideae: (9 genera, 22 taxa)
Ceratonia siliqua L., Sp. Pl., ed. 1, 2: 1026 (1753) –**T**[N, O, S]
Delonix elata (L.) Gamble, Fl. Madras 1 (3): 396 (1919) –**T** [GE]
Dichrostachys cinerea (L.) Wight & Arn., Prodr. Fl. Ind. Orient.1: 271(1834)
subsp. *africana* Brenan & Brummitt, Bol. Soc. Brot., sér. 2, 39: 77 (1965) –**S** [N (Nubia)]
Faidherbia albida (Delile) A.Chev., Rev. Bot. Appl. Agric. Trop. 14: 876 (1934) –**T** [N, De]
Mimosa pigra L., Cent. Pl. 1: 13 (1755)
var. *pigra* –**S** [N, De]
Prosopis farcta (Banks & Sol.) J.F.Macbr., Contr. Gray Herb., 59: 17 (1919) –**S** [N, O, M, D, S]
Senegalia asak (Forssk.) Kyal. & Boatwr., Bot. J. Linn. Soc. 172 (4): 507 (2013).
[=*Acacia asak* (Forssk.) Willd., Sp. Pl., ed. 4, 4: 1077 (1806)] –**S** [GE]
Senegalia laeta (R.Br. ex Benth.) Seigler & Ebinger, Phytologia 91(1): 27 (2009).
[=*Acacia laeta* R.Br. ex Benth., London J. Bot. 1: 508 (1842)] –**S** [N, O, GE]
Senegalia mellifera (Vahl) Seigler & Ebinger, Phytologia 92 (1): 94 (2010).
subsp. *mellifera*
[=*Acacia mellifera* (Vahl) Bosc in J.-F.-P.Déterville, Nouv. Dict. Hist. Nat., ed. 2, 1: 62 (1816)] –**S**
[De, R, GE]
Senna alexandrina Mill., Gard. Dict., ed. 8: no. 1 (1768)
var. *alexandrina* –**S**[N, De, R, GE, S]
Senna holosericea (Fresen.) Greuter, Willdenowia 15: 429 (1986) –**S** [De, R, GE]
Senna italica Mill., Gard. Dict., ed. 8: no. 2 (1768)
subsp. *italica* –**S**[N, O, M, D, R, GE, S]
Senna occidentalis (L.) Link, Handbuch 2: 140 (1831) –**A**[N, O, M]
Vachellia etbaica (Schweinf.) Kyal. & Boatwr., Bot. J. Linn. Soc. 172 (4): 512 (2013).
[=*Acacia etbaica* Schweinf., Linnaea 35: 330 (1868)] –**S** [De, R, GE]
Vachellia flava (Forssk.) Kyal. & Boatwr., Bot. J. Linn. Soc. 172 (4): 513 (2013).

- [=*Acacia ehrenbergiana* Hayne, Getreue Darstell. Gew. 10: t. 29 (1827)] –**S** [N, O, D, R, GE, S]
Vachellia gerrardii var. *najdensis* (Chaudhary) Ragup., Seigler, Ebinger & Maslin,
 Phytotaxa 162 (3): 176 (2014).
 [= *Acacia pachyceras* var. *najdensis* (Chaudhary) Boulos, Kew Bull. 50(2): 336 (1995)] –**T** [S]
Vachellia nilotica (L.) P.J.H.Hurter & Mabb. in D.J.Mabberley, Plant-Book, ed. 3: 1021 (2008).
 subsp. *nilotica*
 [= *Acacia nilotica* (L.) Willd. ex Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 79 (1813) subsp.
nilotica] –**T**
 [N, O, D]
 subsp. *tomentosa* (Benth.) Kyal. & Boatwr., Bot. J. Linn. Soc. 172(4): 515 (2013).
 [= *Acacia nilotica* subsp. *tomentosa* (Benth.) Brenan, Kew Bull. 12: 84 (1957)] –**T** [N (south of
 Aswan)]
Vachellia oerfota (Forssk.) Kyal. & Boatwr., Bot. J. Linn. Soc. 172(4): 515 (2013).
 var. *oerfota*
 [= *Acacia oerfota* (Forssk.) Schweinf., Bull. Herb. Boissier 4(App. 2): 213 (1896)] –**S** [GE]
Vachellia seyal (Delile) P.J.H.Hurter in D.J.Mabberley, Plant-book, ed. 3: 1021 (2008).
 var. *seyal*
 [= *Acacia seyal* Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 286, t. 52, f. 2 (1813)] –**T** [N (Qena-
 Aswan)]
Vachellia tortilis (Forssk.) Galasso & Banfi, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat.
 Milano 149(1): 150
 (2008).
 subsp. *raddiana* (Savi) Kyal. & Boatwr., Bot. J. Linn. Soc. 172(4): 517 (2013).
 [= *Acacia tortilis* subsp. *raddiana* (Savi) Brenan, Kew Bull. 12: 87 (1957)] –**T** [N, O, D, R, GE, S]
 subsp. *tortilis*
 [= *Acacia tortilis* (Forssk.) Hayne, Getreue Darstell. Gew. 10, t. 31 (1827) subsp. *tortilis*] –**T**
 [N, O, De, R, GE, S]
80. POLYGALACEAE (1 genus, 5 taxa)
Polygala erioptera DC., Prodr. 1: 326 (1824) –**A/P** [N, De, R, GE, S]
Polygala hohenackeriana Fisch. & C.A.Mey., Index Seminum (LE, Petropolitanus) 4: 42
 (1838) –**P** [S (Gebel Libni, northern Sinai)]
Polygala irregularis Boiss., Diagn. Pl. Orient., sér. 1, 1: 8 (1843) –**A/P**[R, GE]
Polygala sinaica Botsch., Novosti Sist. Vyssh. Rast. 1964: 368 (1964)
 var. *glabrescens* (Zohary) Boulos, Fl. Egypt 2: 71 (2000) –**SNE** [S] var. *sinaica* –**SE** [R, S]
81. ROSACEAE (6 genera, 7 taxa)
Cotoneaster orbicularis Schltdl., Linnaea 27: 544 (1854) –**S** [S (Mt. Katherine)]
Crataegus azarolus L., Sp. Pl., ed. 1, 1: 477 (1753).
 var. *azarolus* –**S/T** [S]
Crataegus sinaica Boiss., Diagn. Pl. Orient., ser. 2, 2: 48 (1856) –**S**[S]
Potentilla supina L., Sp. Pl., ed. 1, 1: 497 (1753). *subsp. *aegyptiaca* (Vis.) Soják, Preslia 65: 128
 (1993) –**A** [N, S]
Rosa arabica (Crép. ex Boiss.) Déségl., Bull. Soc. Roy. Bot. Belgique 15: 528 (1877). [= *Rosa*
arabica Crép., Bull. Soc. Roy. Bot. Belgique 8: 344 (1869)] –**S E** [S]

Rubus creticus Tourn. ex L., Fl. Palaest.: 15 (1756), nom. rej. prop. [= *Rubus sanctus* Schreb., Icon. Descr. Pl. 1: 15, t. 8 (1766)] –**S** [N, M, S]

Sanguisorba verrucosa (Link ex G.Don) Ces., Stirp. Ital. Rar. 2: ad tab. S.dodecandrae (1842).

[= *Sanguisorba minor* subsp. *verrucosa* (Link ex G.Don) Holmboe, Bergens Mus. Skr., ser. 2, 1, 2: 100 (1914)] –**P** [N, M, S]

82. RHAMNACEAE (3 genera, 7 taxa)

Rhamnus disperma Ehrenb. ex Boiss., Fl. Orient., Suppl.: 156 (1888) –**S**

NE [De (South Galala Mountain), S (St. Katherine)]

Rhamnus oleoides L., Sp. Pl., ed. 2: 279 (1762).

subsp. *oleoides*

[= *Rhamnus lycioides* subsp. *oleoides* (L.) Jahand. & Maire in É.Jahandiez & al., Cat. Pl. Maroc 2: 476 (1932)]

–**S** [M (Sollum area)]

Sageretia brandrethiana* Aitch., J. Linn. Soc., Bot. 8: 62 (1865) –S** [S]

Sageretia thea (Osbeck) M.C.Johnston, J. Arnold Arbor. 49: 378 (1968) –**S** [S]

Ziziphus lotus (L.) Lam, Encycl. 3(1): 317 (1789)

subsp. *lotus* –**S** [O, M (Sollum area)]

Ziziphus nummularia (Burm.f.) Wight & Arn. in R.Wight, Cat. Ind. Pl.: 31 (1833) –**S** [S]

Ziziphus spina-christi (L.) Desf., Fl. Atlant. 1: 210 (1798)

var. *spina-christi* –**T** [N, O, M, De, R, GE, S]

83. CANNABACEAE (1 genus, 1 species)

Cannabis sativa* L., Sp. Pl., ed. 1, 2: 1027 (1753) –A** [N, De]

84. MORACEAE (1 genus and 3 taxa)

Ficus carica L., Sp. Pl., ed. 1, 2: 1059 (1753) –**S/T**

*subsp. *rupestris* (Hausskn. ex Boiss.) Browicz in Rechinger, Fl. Iranica 153: 8 (1982) –**T** [S]

Ficus palmata Forssk., Fl. Egypt-Arab.: 179 (1775) –**S** [N, De, R, GE, S]

Ficus salicifolia Vahl, Symb. Bot. 1: 82, t. 23 (1790).

[= *Ficus cordata* Thunb., Diss. Fic.: 8 (1786) subsp. *salicifolia* (Vahl) C.C.Berg., Kew Bull. 43: 82 (1988)] –**S/T**

[N, O (Uweinat), GE] **85. URTICACEAE (3 genera and 8 taxa)**

Forsskaolea tenacissima L., Opobalsam. Decl.: 18 (1764) –**P** [N, O (Uweinat), D, R, GE, S]

Forsskaolea viridis Ehrenb. ex Webb in W.J.Hooker, Niger Fl.: 179 (1849) –**A** [GE]

Parietaria alsinefolia Delile, Descr. Egypte, Hist. Nat.: 137, t. 50, f. 2 (1814) –**A** [N, De, R, GE]

Parietaria debilis G.Forst., Fl. Ins. Austr.: 73 (1786) –**A** [R, GE]

Parietaria judaica L., Sp. Pl., ed. 2, 2: 1492 (1763). subsp. *judaica* –**P** [N, M]

Urtica membranacea* Poir. ex Savigny in J.B.A.M.de Lamarck, Encycl. 4: 638 (1798) –A** [S]

Urtica pilulifera L., Sp. Pl., ed. 1, 2: 983 (1753) –**A** [N, M, S]

Urtica urens L., Sp. Pl., ed. 1, 2: 984 (1753) –**A** [N, O, M, De, S]

86. ZYGOPHYLLACEAE (4 genera, 38 taxa)

Balanites aegyptiaca (L.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 221 (1813).

var. *aegyptiaca* –**T** [N, O, De, R, GE, S]

Seetzenia lanata (Willd.) Bullock, Kew Bull. 19: 204 (1965) –**P** [De, R, GE, S]

Seetzenia orientalis* Decne., Ann. Sci. Nat., Bot., sér. 2, 3: 281 (1835) –P** [De, R, S]

Tribulus bimucronatus Viv., Pl. Aegypt. Dec. 4 (1): 9, t. 2, f. 4 (1830).

- var. *inermis* (Kralik) Hosni, Taeckholmia 11: 14 (1988) –**A** [De, R, GE]
- var. *bispinulosus* (Kralik) Hosni, Taeckholmia 11: 16 (1988) –**A** [De, R, GE]
- Tribulus kaiseri* Hosni, Taeckholmia 9: 65 (1979) –**A** [S]
- Tribulus macropterus* Boiss., Diagn. Pl. Orient., ser. 1, 1: 61 (1843).
- *var. *collegetae* Hosni, Taeckholmia 11: 9 (1988) –**A** [De]
- var. *macropterus* –**A**[N, O, De, R, S]
- Tribulus megistopterus* Kralik, Ann. Sci. Nat., Bot., sér. 3, 11:32 (1849).
- subsp. *pteroctarpus* (Ehrenb. ex Müll. Berol.) Hosni, Taeckholmia 11: 12 (1988) –**A** [De, GE]
- Tribulus mollis* Ehrenb. ex Schweinf., Beitr. Fl. Aethiop.: 29 (1867) –**A** [N, De, GE, S]
- Tribulus parvispinus* C.Presl, Abh. Königl. Böhm. Ges. Wiss., ser. 5, 3: 459 (1845). [=var. *parvispinus*] –**A**[N, De, R, GE]
- Tribulus pentandrus* Forssk., Fl. Aegypt.-Arab.: 81 (1775).
- *var. *micropterus* (Kralik) Hosni ex Hadidi, Fl. Trop. E. Africa, Zygophyllac.: 3 (1985) –**A** [N, GE]
- var. *pentandrus* –**A**/**P**[N, O, D, GE, S]
- Tribulus spurius* Kralik, Ann. Sci. Nat., Bot., sér. 3, 11: 28 (1849) –**A** **NE** [N, Dw (Nubian Desert)]
- Tribulus terrestris* L., Sp. Pl., ed. 1, 1: 387 (1753).
- var. *terrestris* –**A** [N, M, O, D, R, GE, S]
- Zygophyllum aegyptium* Hosny, Bot. Not. 130: 467 (1977) –**S** [N (northern Nile Delta), M, S]
- Zygophyllum album* L.f., Dec. Pl. Hort. Upsal.: 11 (1762).
- *var. *album* –**S**[N, O, M, De, R, S]
- *var. *amblyocarpum* (Baker) Hadidi, Webbia 33: 52(1978) –**S** [N, M, De, R, S]
- Zygophyllum arabicum* (L.) Christenh. & Byng, Global Fl. 4: 92 (2018).
- [=Fagonia arabica L., Sp. Pl., ed. 1, 1: 386 (1753) var. *arabica*] –**S**[N, O, M, D, R, S]
- [=Fagonia arabica var. *viscidissima* Maire, Bull. Soc. Hist. Nat. Afrique N. 20: 176 (1929)] – **S**[N, O, D, R]
- [=Fagonia thebaica Boiss., Diagn. Pl. Orient., ser. 1, 8: 121 (1849)] –**S** [D, S]
- Zygophyllum bruguieri* (DC.) Christenh. & Byng, Global Fl. 4: 93 (2018).
- [=Fagonia bruguieri DC., Prodr. 1: 704 (1824)] –**S**/**P** [N, M, O, D, GE, S]
- [=Fagonia schimperii C.Presl, Abh. Königl. Böhm. Ges. Wiss., ser. 5, 3: 460 (1845)] –**P**/**S** [De, R, GE, S]
- Zygophyllum coccineum* L., Sp. Pl., ed. 1, 1: 386 (1753) –**S**/**P** [N, O, M, D, R, S]
- Zygophyllum creticum* (L.) Christenh. & Byng, Global Fl. 4: 93 (2018).
- [=Fagonia cretica L., Sp. Pl., ed. 1, 1: 386 (1753)] –**P** [M, S]
- Zygophyllum decumbens* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 221 (1813)
- *var. *decumbens* –**S** [R, S]
- *var. *megacarpum* Hosny, Bot. Not. 130: 467 (1977) –**S** [De, R]
- Zygophyllum dumosum* Boiss., Diagn. Pl. Orient., ser. 1, 8: 125 (1849) –**S** **NE** [De, S]
- Zygophyllum fabago* L., Sp. Pl., ed. 1, 1: 385 (1753) –**P**[De, S]
- **Zygophyllum geslinii* Coss., Bull. Soc. Bot. France 3: 705 (1856) –**S** **NE** [M, De]
- Zygophyllum glutinosum* (Delile) Christenh. & Byng, Global Fl. 4: 93 (2018).
- [=Fagonia glutinosa Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 230 (1813)] –**P** [N, M, D, R, S]
- Zygophyllum indicum* (Burm.f.) Christenh. & Byng, Global Fl. 4: 93 (2018).

- [=*Fagonia indica* Burm.f., Fl. Indica: 102 (1768) var. *indica*] –**P**/**S**[N, O, De, R, GE, S]
Zygophyllum mayanum (Schltdl.) Christenh. & Byng, Global Fl. 4: 93 (2018).
 [= *Fagonia latifolia* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 230 (1813) –**A** [De, R, GE]
 [= *Fagonia isotricha* Murb., Acta Univ. Lund. 33(12): 54 (1897)] –**S** [De, R, GE]
Zygophyllum molle (Delile) Christenh. & Byng, Global Fl. 4: 93 (2018).
 [= *Fagonia mollis* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 220 (1813) var. *mollis*] –**S**/**S** [N, M, De, S]
 [= *Fagonia mollis* var. *hispida* Zohary, Fl. Palaestina 2: 458 (1972)] –**S**/**S** NE [N, M, De, R, GE, S]
 ****Zygophyllum olivieri*** (DC.) Christenh. & Byng, Global Fl. 4: 93 (2018) –**S**[S]
Zygophyllum orientale (C.Presl) Christenh. & Byng, Global Fl. 4: 93 (2018).
 [= *Fagonia tenuifolia* Hochst. & Steud. ex Boiss., Fl. Orient. 1: 909 (1867)] –**S**[De, R, GE]
Zygophyllum paulayanum (J.Wagner & Vierh.) Christenh. & Byng, Global Fl. 4: 93 (2018).
 [= *Fagonia indica* Burm.f. Fl. Indica: 102 (1768) var. *schweinfurthii* Hadidi, Fl. Iranica 98: 6 (1972) –**A**[R, GE]
 [= *Fagonia paulayana* J.Wagner & Vierh., Österr. Bot. Z. 54: 34 (1904) –**A**/**P** [R, GE]
Zygophyllum propinquum Decne., Ann. Sci. Nat., Bot., ser. 2, 3: 283 (1835).
 *subsp. *migahidii* (Hadidi) Jac.Thomas & Chaudhary, Fl. Kingdom Saudi Arabia 2(1): 501 (2001) –**S**
 NE [De]
 *subsp. *propinquum* –**S**[S]
Zygophyllum scabrum (Forssk.) Christenh. & Byng, Global Fl. 4: 93 (2018).
 [= *Fagonia microphylla* Pomel, Nouv. Mat. Fl. Atl. 2: 338 (1875)] –**P** [S]
 [= *Fagonia scabra* Forssk., Fl. Aegypt.-Arab.: 88 (1775)] –**S** [M, De, R, S]
 [= *Fagonia taeckholmiana* Hadidi, Candollea 21: 29, f. 7A (1966)] –**P** NE [De]
Zygophyllum simplex L., Mant. Pl.: 68 (1767) –**A**/**P** [N, M, D, R, GE, S]
87. CELASTRACEAE (1 genus, 1 species)
Gymnosporia senegalensis (Lam.) Loes., Bot. Jahrb. Syst. 17(5): 541 (1893).
 [= *Maytenus senegalensis* (Lam.) Exell, Bol. Soc. Brot., sér. 2, 26: 223 (1952)] –**S**/**T** [GE]
88. RHIZOPHORACEAE (1 genus, 1 species)
Rhizophora mucronata Poir in J.B.A.M.de Lamarck, Encycl. 6: 189 (1804) –**T** [R]
89. PODOSTEMACEAE (1genus, 1 species)
Tristicha trifaria (Bory ex Willd.) Spreng., Syst. Veg., ed.16, 1: 22 (1824) –**A**/**P**
 [N (Aswan, waterfalls, first cataract)]
90. HYPERICACEAE [GUTTIFERAE] (1 genus, 4 taxa)
 ****Hypericum aegypticum*** L., Sp. Pl., ed. 1, 2: 784 (1753).subsp. *aegypticum* –**P** [?]
Hypericum lanuginosum Lam., Encycl. 4 (1): 171 (1797) –**P** [S]
Hypericum sinaicum Hochst. ex Boiss., Fl. Orient. 1: 808 (1867) –**P** NE [S]
Hypericum triquetrifolium Turra, Farsetia: 12 (1765) –**P**[S (Rafah)]
91. ELATINACEAE (2 genera, 4 species)
Bergia ammannioides Roxb., Hort. Bengal.: 34 (1814)
 [= *Bergia ammannioides* B.Heyne ex Roth, Nov. Pl. Sp. 219 (1821)] –**A** [N]
Bergia capensis L., Mant. Pl. 2: 241 (1771) –**A**[N, O]
Bergia suffruticosa (Delile) Fenzl, Denkschr. Bayer. Bot. Ges. Regensburg 3:183 (1841) –**S**

[N (Elephantine Island, Aswan)]

Elatine macropoda Guss., Fl. Sicul. Prodr. 1: 475 (1827) –**A** [N (El-Khanka, near Cairo)]

92. VIOLACEAE (1 genus, 3 taxa)

Viola scorpiuroides Coss., Bull. Soc. Bot. France 19: 80 (1872 publ. 1873) –**S** [M, Dw]

Viola stocksii Boiss., Fl. Orient. 1: 453 (1867).

[=*Viola cinerea* var. *stocksii* (Boiss.) W.Becker, Beih. Bot. Centralbl. 36 (2): 37 (1918)] –**P**[GE]

Viola tricolor L., Sp. Pl., ed. 1, 2: 935 (1753).

subsp. *tricolor* –**A** [M, S]

93. SALICACEAE (2 genera and 2 species)

Populus euphratica Olivier, Voy. Emp. Othoman, ed. Quatra, 3: 449, t. 45, 46 (1807) –**T** [O (Siwa)]

Salix mucronata Thunb., Prodr. Pl. Cap. 6 (1794) –**S/T** [N, O, M, De, S]

94. EUPHORBIACEAE (4 genera, 46 taxa)

Euphorbia acalyphoides Hochst. ex Boiss. in A.P.de Candolle, Prodr. 15(2): 98 (1862).

subsp. *acalyphoides* –**A** [GE]

Euphorbia arabica Hochst. & Steud. ex T.Anderson, Fl. Aden.: 34 (1860) –**A** [GE]

Euphorbia arguta Banks & Sol. in A.Russell, Nat. Hist. Aleppo, ed. 2, 2: 253 (1794) –**A**[N, O, M, Dw]

**Euphorbia bivonae* Steud., Nomencl. Bot., ed. 2. 1: 610 (1840).

subsp. *bivonae* –**S** [M, S]

Euphorbia chamaepeplus Boiss. & Gaill.in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 4: 88 (1859) –**A** [M, De, S]

Euphorbia chamaesyce L., Sp. Pl., ed. 1, 1: 455 (1753) –**A** [Dw]

Euphorbia cuneata Vahl, Symb. Bot. 2: 53 (1791).

subsp. *cuneata* –**S/T** [De, R, GE]

Euphorbia dendroides L., Sp. Pl., ed. 1, 1: 462 (1753) –**S**[M (Mersa Matruh to Sollum)]

Euphorbia dracunculoides Lam., Encycl. 2: 428 (1788).

subsp. *dracunculoides* –**A** [De, GE]

Euphorbia erinacea Boiss. & Kotschy in P.E.Boissier, Diagn. Pl. Orient., ser. 2, 4: 87 (1859) –

SNE [M, S]

Euphorbia exigua L., Sp. Pl., ed. 1, 1: 456 (1753).

subsp. *exigua* –**A** [O]

Euphorbia falcata L., Sp. Pl., ed. 1, 1: 456 (1753) –**A** [M, S]

Euphorbia forskalii J.Gay in P.B.Webb & S.Berthelot, Hist. Nat. Iles Canaries 3(2; 3): 240 (1847) –**A**

[N, O, M, D, GE, S]

Euphorbia granulata Forssk., Fl. Aegypt.-Arab.: 94 (1775).

[=var. *granulata*] –**A** [D, R, GE, S]

[=var. *glabrata* (J.Gay) Boiss. in A.P.de Candolle, Prodr. 15(2): 34 (1862)] –**A** [N, D, R, GE, S]

Euphorbia grossheimii (Prokh.) Prokh. in V.L.Komarov, Fl. URSS 14: 391 (1949) –**A/P** [De, S]

Euphorbia helioscopia L., Sp. Pl. ed. 1, 1: 459 (1753).

subsp. *helioscopia* –**A** [N, O, M, S]

Euphorbia heterophylla L., Sp. Pl., ed. 1, 1: 453 (1753) –**A** [N, O, M, S]

Euphorbia hierosolymitana Boiss., Diagn. Pl. Orient., ser. 1, 12: 110 (1853).

- var. *hierosolymitana* –**S** [M, S]
Euphorbia hirta L., Sp. Pl., ed. 1, 1: 454 (1753) –**A** [N, M, S]
Euphorbia hypericifolia* L., Sp. Pl. ed. 1, 1: 454 (1753) –A** [N]
Euphorbia hyssopifolia L., Syst. Nat., ed. 10, 2: 1048 –**A** [N (Qalioubia, Nile Delta)]
Euphorbia inaequilatera Sond., Linnaea 23: 105 (1850). [=var. *inaequilatera*] –**A** [N (Aga, Nile Delta), M, S]
Euphorbia indica Lam., Encycl. 2: 423 (1788) –**A** [N]
Euphorbia lasiocarpa Klotzsch, Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 19 (Suppl. 1): 414 (1843) –**A** [S]
Euphorbia mauritanica L. Sp. Pl., ed. 1, 1: 452 (1753) –**S** [N, M]
Euphorbia nubica N.E.Br. in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 6(1): 554 (1911).
 [=*Euphorbia consobrina* N.E.Br. in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 6 (1): 555 (1911)] –**S** [R, GE]
Euphorbia nutans Lag., Gen. Sp. Pl.: 17 (1816) –**A** [N (Giza region)]
Euphorbia obovata Decne., Ann. Sci. Nat., Bot., sér. 2, 2: 241 (1834) –**S** E [S]
Euphorbia oxyodonta Boiss. in A.P.de Candolle, Prodr. 15(2): 1267 (1866) –**A** [N]
Euphorbia paralias L., Sp. Pl., ed. 1, 1: 458 (1753) –**S** [N, M, De, S]
Euphorbia parvula Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 235 (1813) –**A** NE [M]
Euphorbia peplis L., Sp. Pl., ed. 1, 1: 455 (1753) –**A** [M, S]
Euphorbia peplus L., Sp. Pl.: 456 (1753). var. *peplus* –**A** [N, O, M, S]
Euphorbia petiolata Banks & Sol. in A.Russell, Nat. Hist. Aleppo, ed. 2, 2: 253 (1794) –**A** [S]
Euphorbia polyacantha Boiss., Cent. Euphorb. 25 (1860) –**S** [GE]
Euphorbia prostrata Aiton, Hort. Kew. 2: 139 (1789) –**A** [N, M, De, S]
Euphorbia pterococca Brot., Fl. Lusit. 2: 312 (1804) –**A** [M]
Euphorbia punctata Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 234 (1813) –**A**E [M, S]
Euphorbia retusa Forssk., Fl. Aegypt.-Arab.: 93 (1775) –**P** [N, M, D, R, S]
Euphorbia scordiifolia Jacq., Icon Pl. Rar. 3(fasc. 13): 5 (1793) –**A** [De, R, GE]
Euphorbia serpens Kunth in F.W.H.von Humboldt, A.J.A.Bonpland & C.S.Kunth, Nov. Gen. Sp. 2: Nov. Gen. Sp. 2: 52 (1817) –**A** [N, R]
Euphorbia sintenisii Boiss. ex Freyn, Bull. Herb. Boissier 6: 986 (1898) –**A** [N]
Euphorbia terracina L., Sp. Pl., ed. 2.: 654 (1762) –**P** [M, S]
Jatropha glauca Vahl, Symb. Bot. 1: 78 (1790) –**S**[GE]
Mercurialis annua L., Sp. Pl., ed. 1, 2: 1035 (1753) –**A** [N, M, S]
Ricinus communis L., Sp. Pl., ed. 1, 2: 1007 (1753) –**A**/**P** [N, M, De, R, GE]
95. LINACEAE (1 genus, 4 taxa)
Linum decumbens Desf., Fl. Atlant. 1: 278 (1798) –**A**[N, M]
Linum pubescens Banks & Sol. in A.Russell, Nat. Hist. Aleppo, ed. 2, 2: 268 (1794).subsp. *pubescens* –**A** [M, De, S]
Linum strictum L., Sp. Pl., ed. 1, 1: 279 (1753) –**A** [N, M, GE]
Linum usitatissimum L., Sp. Pl., ed. 1, 1: 277 (1753).
 var. *usitatissimum* –**A** [N, O, M, S]
96. PHYLLANTHACEAE (4 genera, 12 taxa)
Andrachne aspera Spreng., Syst. Veg., ed. 16, 3: 884 (1826) –**P**/**S** [De, R, GE, S]

- Andrachne telephioides* L., Sp. Pl., ed. 1, 2: 1014 (1753) –**P**[M, De, S]
- Chrozophora brocchiana* Vis. in G.F.Spongia, Comment. Med. 2: 223 (1836) –**P**[De, R, GE, S]
- Chrozophora oblongifolia* (Delile) A.Juss. ex Spreng., Syst. Veg., ed. 16, 3: 850 (1826) –**P** [N, O, M, De, R, GE]
- Chrozophora plicata* (Vahl) A.Juss. ex Spreng., Syst. Veg., ed. 16, 3: 850 (1826) –**A**/**P** [N, O, De (along Suez Canal), S]
- Chrozophora tinctoria* (L.) A.Juss., Euphorb. Gen.: 110 (1824) –**A** [N, O, M, D, R, GE, S]
- Flueggea virosa* (Roxb. ex Willd.) Royle, Ill. Bot. Himal. Mts.: 328 (1836) –**S**/**T** [GE]
- Phyllanthus maderaspatensis* L., Sp. Pl., ed. 1, 2: 982 (1753).
var. *maderaspatensis* –**S**/**P** [GE]
- Phyllanthus nummulariifolius* Poir. in J.B.A.M.de Lamarck, Encycl. 5: 302 (1804) –**S**[M]
- Phyllanthus reticulatus* Poir. in J.B.A.M.de Lamarck, Encycl. 5: 298 (1804).
var. *reticulatus* –**S**/**T**[GE]
- var. *glaber* (Baill.) Müll.Arg., Linnaea 32: 12 (1863) –**S** [N (Luxor)]
- Phyllanthus rotundifolius* J.G.Klein ex Willd., Sp. Pl., ed. 4, 4: 584 (1805) –**A** [N, M, De, R, GE, S]
- 97. OXALIDACEAE** (1 genus, 6 taxa)
- Oxalis anthelmintica* A.Rich., Tent. Fl. Abyss. 1: 124 (1848) –**P** [GE]
- Oxalis corniculata* L., Sp. Pl., ed. 1, 1: 435 (1753) –**A**/**P**[N, O, M, De (along Suez Canal), S]
- **Oxalis corymbosa* DC., Prodr. 1: 696 (1824) –**P** [N, M]
- **Oxalis debilis* Kunth in F.W.H.von Humboldt, A.J.A.Bonpland & C.S.Kunth, Nov. Gen. Sp. 5: 236 (1822) –**P** [N, M]
- **Oxalis latifolia* Kunth in F.W.H.von Humboldt, A.J.A.Bonpland & C.S.Kunth, Nov. Gen. Sp. 5: 237 (1822).
subsp. *latifolia* –**P** [N]
- Oxalis pes-caprae* L., Sp. Pl., ed. 1, 1: 434 (1753)
var. *pes-caprae* –**P** [N, M, S]
- 98. MORINGACEAE** (1 genus, 1 species)
- Moringa peregrina* (Forssk.) Fiori, Agric. Colon. 5: 59 (1911) –**T** [De, R, S]
- 99. SALVADORACEAE** (1 genus, 2 taxa)
- Salvadora persica* L., Sp. Pl., ed. 1, 1: 122 (1753).
var. *persica* –**S** [N, O, De, R, GE, S]
- var. *pubescens* Brenan, Kew Bull. 4: 90 (1949) –**S**[D, R, GE, S]
- 100. RESEDACEAE** (5 genera, 17 taxa)
- Caylusea hexagyna* (Forssk.) M.L.Green, Stand.-Sp. Nom. Conserv.: 29, 63 (1926).
[=*Caylusea hexagyna* (Forssk.) M.L.Green, Brit. Bot. Int. Bot. Congr. Cambridge1930, Nomencl. Prop. 102 (1929)] –**A**/**P** [N, O, M, D, R, GE, S]
- Ochradenus baccatus* Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 63 (1813) –**S** [N, M, D, R, GE, S]
- Oligomeris linifolia* (Vahl ex Hornem.) J.F.Macbr., Contr. Gray Herb., ser. 2, 53: 13 (1918) –**A**[N, O, M, D, R, S]
- Randonia africana* Coss., Bull. Soc. Bot. France 6: 392 (1859) –**S**[O, M, Dw]
- Reseda alba* L., Sp. Pl., ed. 1, 1: 449 (1753) –**A**[N, M, De, S]

Reseda arabica Boiss., Diagn. Pl. Orient., ser. 1, 1: 6 (1843) –**A** [N, M, De, S]

Reseda decursiva Forssk., Fl. Aegypt.-Arab.: 67 (1775) –**A** [N, M, De, S]

Reseda lutea L., Sp. Pl., ed. 1, 1: 449 (1753)

subsp. *lutea* –**A/P** [M, S]

*subsp. *petrovichiana* (Müll.Arg.) Jafri, Fl. Libya 34: 22 (1977) –**A/P** **NE** [M]

Reseda luteola L., Sp. Pl., ed. 1, 1: 448 (1753) –**A/P** [N, M, S]

Reseda odorata* L., Amoen. Acad. 3: 51 (1756) –A** [N]

Reseda muricata C.Presl, Abh. Königl. Böhm. Ges. Wiss., ser. 5, 3: 438 (1845)

var. *muricata* –**P** [De, S]

Reseda orientalis (Müll. Arg.) Boiss., Fl. Orient. 1: 427 (1867) –**A** [M, S]

Reseda phyteuma L., Sp. Pl., ed. 1, 1: 449 (1753)

subsp. *phyteuma* –**A/P** [M (Agiba, near Mersa Matruh)]

Reseda pruinosa Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 63 (1813) –**A** [N, O, M, D, R, GE, S]

Reseda stenostachya Boiss., Diagn. Pl. Orient., ser. 1, 1: 5 (1843) –**A** **NE** [S]

Reseda urnigera Webb, Fragm. Fl. Aethiop.-Aegypt.: 25 (1854) –**A** [M, De, S]

101. CAPPARACEAE (4 genera, 14 taxa)

Boscia integrifolia J.St.-Hil., Expos. Fam. Nat. 2: 3 (1805).

[=*Boscia angustifolia* A.Rich. in A.Guillemin & G.S.Perrottet, Fl. Seneg. Tent.: 26 (1831)] –**T** [R, GE]

Boscia salicifolia Oliv., Fl. Trop. Afr. 1: 93 (1868) –**T** [GE]

Boscia senegalensis Lam., Tabl. Encycl.: t. 395 (1793).

[=*Boscia senegalensis* Poir. in Lam., Tab. Encycl. 2: 517 (1819)] –**S/T** [R, GE]

Cadaba farinosa Forssk., Fl. Aegypt.-Arab.: 68 (1775).

subsp. *farinosa* –**S/T** [D, R, GE]

Cadaba glandulosa Forssk., Fl. Aegypt.-Arab.: 68 (1775) –**S** [R, GE]

Cadaba rotundifolia Forssk., Fl. Aegypt.-Arab.: 68 (1775) –**S** [R, GE]

Capparis cartilaginea Decne., Ann. Sci. Nat., Bot., sér. 2, 3: 273 (1835) –**S** [M, De, R, GE, S]

Capparis decidua (Forssk.) Edgew., J. Proc. Linn. Soc., Bot. 6: 184 (1862) –**S/T** [N, O, D, R, GE, S]

Capparis spinosa L., Sp. Pl., ed. 1, 1: 503 (1753).

subsp. *rupestris* (Sm.) Nyman, Consp. Fl. Eur.: 68 (1878)

[=*Capparis spinosa* var. *inermis* Turra., Fl. Ital. Prodr. 65 (1780)] nom illeg. –**S** [M, S]

*subsp. *spinosa* –**S** [N, O, M, D, R, S] var. *aegyptia* (Lam.) Boiss., Fl. Orient. 1: 420 (1867).

[=*Capparis aegyptia* Lam., Encycl. 1: 605 (1785)] –**S** [O, De, R, GE, S]

[=*Capparis spinosa* var. *deserti* Zohary, Bull. Res. Council Israel, Sect. D, Bot. 8: 54 (1960) –**S** [Dw (north of Siwa Oasis)]

var. *canescens* Coss., Notes Pl. Crit., Fasc. 1(2): 28 (1849) –**S** [O, M, D, S]

Maerua crassifolia Forssk., Fl. Aegypt.-Arab.: CXIII (1775) –**T/S** [O, Dw, R, GE, S]

Maerua oblongifolia (Forssk.) A.Rich., Tent Fl. Abyss. 1: 32 (1848) –**T** [GE]

102. CLEOMACEAE (1 genus, 12 taxa)

Cleome africana* Botsch., Novosti Sist. Vyssh. Rast. 1: 130 (1964) –A** [M, Dw, R, GE, S]

Cleome amblyocarpa Barratte & Murb., Acta Univ. Lund., ser. 2, 1 (4): 25 (1905) –**A** [N, M, De, R, GE, S]

Cleome arabica L., Cent. Pl. I: 20 (1775) –**P** [N, De, R, S]

- Cleome brachycarpa* Vahl ex DC., Prodr. 1: 240 (1824) –**A/P** [R, GE, S]
Cleome chrysantha Decne., Ann. Sci. Nat., Bot., sér. 2, 3: 274 (1835) –**P** [O (Uweinat), De, R, GE, S]
Cleome droserifolia (Forssk.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 250 (1813) –**S** [O (Uweinat), M, De, R, GE, S]
Cleome gynandra L., Sp. Pl., ed. 1, 2: 671 (1753).
 [=Gynandropsis gynandra (L.) Briq., Annuaire Conserv. Jard. Bot. Genève 17: 382 (1914)] –**A** [N, M, De, S]
Cleome hanburyana Penz., Atti. Congr. Int. Bot. Genova 1892: 330 (1893) –**A/P** [De, R, GE]
Cleome pallida Kotschy, Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl., Abt. 1, 52 (1): 262 (1866).
 [=Dipterygium glaucum Decne., Ann. Sci. Nat., Bot., sér. 2, 4: 67 (1835)] –**P/S** [D, R, GE]
Cleome paradoxa R.Br. ex DC., Prodr. 1: 241 (1824) –**A/P** [De, GE]
Cleome scaposa DC., Prodr. 1: 239 (1824) –**A** [R, GE]
Cleome viscosa L., Sp. Pl., ed. 1, 2: 672 (1753)
 var. *viscosa* –**A/P** [M, De]
103. BRASSICACEAE [CRUCIFERAE] (60 genera, 115 taxa)
Aethionema carneum (Banks & Sol.) B.Fedtsch., Fl. Zap Tian-Shan: 176 (1905) –**A** [S]
Alyssum desertorum Stapf, Denkschr. Kaiserl. Akad. Wiss., Wien. Math.- Naturwiss. Kl. 51: 33 (1886) –**A** [M]
Alyssum simplex Rudolphi, J. Bot. (Schrader) 1799 (2): 290 (1799) –**A** [M, S]
Alyssum szovitsianum Fisch. & C.A.Mey. Index Seminum (LE, Petropolitanus) 4: 31 (1838).
 [=Alyssum marginatum Steud. ex Boiss., Ann. Sci. Nat., Bot., sér. 2, 17: 151 (1842)] –**A** [S]
Anastatica hierochuntica L., Sp. Pl., ed. 1, 2: 641 (1753) –**A** [O (Uweinat), M, D, R, GE, S]
Arabis auriculata Lam., Encycl. 1: 219 (1783).
 [=Arabis nova Vill., Prosp. Hist. Pl. Dauphiné 39 (1779) var. *sinaica* (Boiss.) Täckh., Publ. Cairo Univ. Herb. 5: 36 (1974)] –**A** [S]
Arabis caucasica Willd., Enum. Pl. Hort. Berol. Suppl.: 45 (1814).
 [=Arabis alpina L., Sp. Pl., ed. 1, 664 (1753) subsp. *caucasica* (Willd.) Briq., Prodr. Fl. Corse 2 (1): 48 (1913)] –**P** [N (Luxor)]
Arabis verna (L.) W.T.Aiton, Hortus Kew., ed. 2, 4: 105 (1812) –**A** [S]
Biscutella didyma L. Sp. Pl., ed. 1, 2: 653 (1753).
 var. *ciliata* (DC.) Vis., Fl. Dalmat. 3: 113 (1850).
 [=B. *didyma* var. *depressa* (Willd.) El-Naggar, Taeckholmia 11: 71 (1988)] –**A** [M, S]
 [=B. *didyma* var. *elbensis* (Chrtek) El Naggar, Taeckholmia 11: 71 (1988)] –**A** **E** [R, GE]
 var. *didyma* –**A** [M, De, S]
Brassica deserti Danin & Hedge, Notes Roy. Bot. Gard, Edinburgh 32: 259 (1973) –**A/P** **E** [R, S]
Brassica juncea (L.) Czern., Consp. Pl. Charc.: 8 (1859) –**A** [N]
Brassica rapa L., Sp. Pl., ed. 1, 2: 666 (1753) –**A/B** [N, O, M, De]
Cakile maritima Scop., Fl. Carniol., ed. 2, 2: 35 (1771). subsp. *maritima*
 [=C. *maritima* subsp. *aegyptiaca* (Willd.) Nyman, Consp. Fl. Eur.: 29 (1878)] –**A** [N, M, S]
Camelina hispida Boiss., Ann. Sci. Nat., Bot., sér. 2, 17: 176 (1842) –**A** [M]

- Camelina rumelica* Velen., Sitzungsber. Königl. Böhm. Ges. Wiss., Math.-Naturwiss. Cl. 1887: 448 (1887) –**A** [M]
- Capsella bursa-pastoris* (L.) Medik., Pfl.-Gatt.: 85 (1792). subsp. *bursa-pastoris* –**A** [N, M]
- Carrichtera annua* (L.) DC., Mém. Mus. Hist. Nat. 7: 250 (1821) –**A**[N, M, Dw, S]
- Clypeola jonthlaspi* L., Sp. Pl., ed. 1, 2: 652 (1753) –**A** [S]
- Coincya tournefortii* (Gouan) Alcaraz, T.E.Díaz, Rivas Mart. & Sánchez-Gómez, Itinera Geobot. 2: 108 (1989).
[=*Brassica tournefortii* Gouan, Ill. Observ. Bot. 44, t. 20A (1773)] –**A** [N, O, M, D, S]
- Conringia orientalis* (L.) C.Presl, Fl. Sicul. 1: 79 (1826). [= *Conringia orientalis* (L.) Dumort., Fl. Belg. 123 (1827)] –**A** [M]
- Crucihimalaya kneuckeri* (Bornm.) Al-Shehbaz, O'Kane & R.A.Price, Novon 9: 302 (1999).
[=*Arabidopsis kneuckeri* (Bornm.) O.E.Schulz in H.G.A.Engler (ed.), Pflanzenr., IV, 105(Heft 86): 277 (1924)] –**A****NE** [S]
- Cuprella homalocarpa* (Fisch. & C.A.Mey.) Salmerón-Sánchez, Mota & Fuertes, Pl. Syst. Evol. 301: 2482 (2015).
[=*Alyssum homalocarpum* (Fisch. & C.A.Mey.) Boiss., Fl. Orient. 1: 285 (1867)] –**A** [De, S]
- Descurainia sophia* (L.) Webb ex Prantl in H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 3 (2): 192 (1892).
subsp. *sophia* –**A** [M]
- Diceratella elliptica* (DC.) Jonsell, Bot. Not. 132: 526 (1979) –**S** [R, GE]
- Dichasianthus runcinatus* (Lag. ex DC.) V.I.Dorof., Konspekt Fl. Kavkaza 3(2): 450 (2012).
[=*Sisymbrium runcinatum* Lag. ex DC., Syst. Nat. 2: 478 (1821)] –**A** [De]
- Didesmus aegyptius* (L.) Desv., J. Bot. Agric. 3: 160, t. 25 (1815) –**A** [N]
- Didesmus bipinnatus* (Desf.) DC., Syst. Nat. 2: 659 (1821) –**A**[N]
- Diplotaxis acris* (Forssk.) Boiss., Fl. Orient. 1: 389 (1867) –**A** [De, S]
- Diplotaxis eruroides* (L.) DC., Syst. Nat. 2: 631 (1821). subsp. *eruroides* –**A** [N, M, GE, S]
- Diplotaxis harra* (Forssk.) Boiss., Fl. Orient. 1: 388 (1867). subsp. *harra* –**P** [N, O, M, D, R, S]
- Diplotaxis muralis* (L.) DC., Syst. Nat. 2: 634 (1821) subsp. *muralis* [= *D. muralis* var. *muralis*] –**A**/**P** [M, Dw, S]
- Diplotaxis simplex* (Viv.) Spreng., Syst. Veg., ed. 16, 2: 914 (1825).
[=*Diplotaxis muralis* (L.) DC., Syst. Nat. 2: 634 (1821) var. *simplex* (Viv.) El Naggar, Taeckholmia 11: 69 (1988)] –**A**[M]
- **Diplotaxis viminea* (L.) DC., Syst. Nat. 2: 635 (1821) –**A** [Dw]
- Enarthrocarpus lyratus* (Forssk.) DC., Syst. Nat. 2: 661 (1821) –**A** [N, O, M, De, S]
- Enarthrocarpus pterocarpus* (Pers.) DC., Syst. Nat. 2: 661 (1821) –**A** **NE** [N, M, S]
- Enarthrocarpus strangulatus* Boiss., Diagn. Pl. Orient., ser. 1, 8: 44 (1849) –**A** [N, M, S]
- Eremobium aegyptiacum* (Spreng.) Asch. ex Boiss., Fl. Orient., Suppl.: 30 (1888)
subsp. *aegyptiacum*
[=var. *aegyptiacum*] –**A**/**P** [N, O, M, D, R, GE, S]
- var. *lineare* (Delile) Zohary, Fl. Palaestina 1: 267 (1966) –**A** [S]
- Eruca sativa* Mill., Gard. Dict., ed. 8, no. 1 (1768) –**A**[N, O, M, De, R, S]
- Erucaria crassifolia* (Forssk.) Delile, Descr. Egypte, Hist. Nat. 2 (Mém.): 244 (1813) –**A**[N, M, De, S]

- Erucaria hispanica* (L.) Druce, Rep. Bot. Exch. Club Soc. Brit. Isles 3: 418 (1914) –**A** [N, M, S]
Erucaria microcarpa Boiss., Diagn. Pl. Orient., ser. 1, 8: 47 (1849) –**A** NE [O, M, De, S]
Erucaria pinnata (Viv.) Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 37 (1974) –**A**[O, M, De, S]
Erucaria rostrata* (Boiss.) A.W.Hill ex Greuter & Burdet, Willdenowia 15: 419 (1986) –A** NE [S]
Erucastrium arabicum Fisch. & C.A.Mey., Index Seminum (LE, Petropolitanus) 5:35 (1839) –**A**[N, M, De]
Erysimum repandum L., Demonstr. Pl.: 17 (1753).
 var. *repandum* –**A**[M, De]
Farsetia aegyptia Turra, Farsetia: 5 (1765).subsp. *aegyptia* –**S** [O, M, D, R, S]
Farsetia longisiliqua Decne., Ann. Sci. Nat., Bot., sér. 2, 4: 69 (1835) –**P**[N, M, D, R, GE, S]
Farsetia stylosa R.Br., Narr. Travels Africa, App. XXII: 216 (1826) –**A**/**P** [N, O, D, R]
Fibigia clypeata (L.) Medik., Pfl.-Gatt.: 90 (1792).
 subsp. *clypeata* –**P** [De, S]
Hornungia procumbens (L.) Hayek, Repert. Spec. Nov. Regni Veg. Beih. 30 (1): 480 (1925).subsp. *procumbens*
 [=Hymenolobus procumbens (L.) Nutt. in J.Torrey & A.Gray, Fl. N. Amer. 1: 117 (1838)] –**A** [M]
Isatis lusitanica L., Sp. Pl., ed. 1, 2: 670 (1753) –**A** [M, S]
Isatis microcarpa J.Gay ex Boiss., Ann. Sci. Nat., Bot., sér. 2, 17: 201 (1842)
 *var. *blepharocarpa* Asch. in Asch. & Schweinf., Ill. Fl. Egypt. Suppl.:747 (1899) –**A** NE [S]
 var. *macrocarpa* –**A** [M, De, S]
Lepidium aucheri Boiss., Ann. Sci. Nat., Bot., sér. 2, 17: 195 (1842) –**A** [N, M, Dw]
 Lepidium chalepense* L., Cent. Pl. II: 23 (1756) –P** [S]
Lepidium coronopus (L.) Al-Shehbaz, Novon 14 (2): 152 (2004).
 [=Coronopus squamatus (Forssk.) Asch., Fl. Brandenburg 1: 62 (1860)] –**A**/**B** [N, O, M]
Lepidium didymum L., Mant. Pl.: 92 (1767).
 [=Coronopus didymus (L.) Sm., Fl. Brit. 2: 691 (1800)] –**A**[N, M]
Lepidium draba L., Sp. Pl., ed. 1, 2: 645 (1753) –**P** [M, S]
Lepidium latifolium L., Sp. Pl., ed. 1, 2: 644 (1753) –**P** [N (Cairo), M]
Lepidium niloticum (Delile) Sieber ex Steud., Nomencl. Bot., ed. 2, 2: 27 (1840).
 [=Coronopus niloticus (Delile) Spreng., Syst. Veg., ed. 16, 2: 853 (1825)] –**A**[N, O, M, De]
Lepidium sativum L., Sp. Pl., ed. 1, 2: 644 (1753).
 [=L. sativum subsp. *spinescens* (DC.) Thell., Vierteljahrsschr. Naturf. Ges. Zürich 51:160 (1906)] –**A**
 [N, O, M, De, S]
Lepidium virginicum L., Sp. Pl., ed. 1, 2: 645 (1753) –**A** [N, De (Ismailia)]
Leptaleum filifolium (Willd.) DC., Syst. Nat. 2: 511 (1821) –**A** [O (Uweinat), D, R, GE, S]
Lobularia arabica (Boiss.) Muschl., Man. Fl. Egypt 1: 421 (1912) –**A** NE [N, M, S]
Lobularia libyca (Viv.) Meisn., Pl. Vasc. Gen. 2: 11 (1837) –**A**[M, Dw, S]
Lobularia maritima (L.) Desv., J. Bot. Agric. 3: 169 (1815) –**P**[N, M, S]
Malcolmia pygmaea (DC.) Boiss., Fl. Orient. 1: 222 (1867) –**A** [M, N, De, S]
Maresia nana (DC.) Batt. J.A.Battandier & L.C.Trabut, Fl. Algérie, Dicot.: 68 (1888).[=*Malcolmia nana* (DC.) Boiss., Fl. Orient. 1: 222 (1867)] –**A**[M, S]
Matthiola arabica Boiss., Ann. Sci. Nat., Bot., sér. 2, 17: 49 (1842) –**P** NE [N, M, S]

- Matthiola fruticulosa* (L.) Maire in É.Jahandiez & al., Cat. Pl. Maroc 2: 311 (1932). subsp.
fruticulosa –**P**[M, D]
- Matthiola longipetala* (Vent.) DC., Syst. Nat. 2: 174 (1821).
subsp. *bicornis* (Sm.) P.W.Ball, Feddes Repert. Spec. Nov. Regni Veg. 68: 194 (1963) –**A** [M, S]
subsp. *hirta* (Conti) Greuter & Burdet, Willdenowia 13: 94 (1983) –**A** [M, De, S]
subsp. *livida* (Delile) Maire, Fl. Afrique N. 14: 23 (1977) –**A**[N, O, M, D, R, S]
subsp. *longipetala* –**A** [M, De, S]
- Matthiola parviflora* (Schousb.) W.T.Aiton, Hortus Kew., ed. 2, 4: 121 (1812) –**A** [N, O (Wadi Natrun), M, S]
- Moricandia nitens* (Viv.) E.A.Durand & Barratte, Fl. Libyc. Prodr.: 15 (1910) –**S** [N, M, D, S]
Moricandia sinaica (Boiss.) Boiss., Fl. Orient. 1: 386 (1867) –**P** [De, S]
Morettia canescens Boiss., Diagn. Pl. Orient., ser. 1, 8: 17 (1849) –**P** [D, R, S]
Morettia parviflora Boiss., Ann. Sci. Nat., Bot., sér. 2, 17: 60 (1842) –**P** [S]
Morettia philaeana (Delile) DC., Syst. Nat. 2: 427 (1821) –**P**[N, O, D, R, GE, S]
Mutarda allionii (Jacq.) D.A.German, Turczaninowia 25(2): 56 (2022).[=*Sinapis allionii* Jacq., Hort. Bot. Vindob. 2: 79 (1773)] –**A****E** [N, M]
Mutarda arvensis (L.) D.A.German, Turczaninowia 25(2): 56 (2022).
[=*Sinapis arvensis* L., Sp. Pl., ed. 1, 2: 668 (1753) var. *arvensis*] –**A** [N, O, M, S]
[=*S. arvensis* var. *orientalis* (L.) W.D.J.Koch & Ziz, Cat. Pl. Palat.: 12 (1814)] –**A** [N, O, M, De, S]
- Mutarda nigra* (L.) Bernh., Syst. Verz. Erf.: 197 (1800).
[=*Brassica nigra* (L.) W.D.J.Koch in J.C.Röhling, Deutschl. Fl., ed. 3, 4: 713 (1833)] –**A** [N, O, M, S]
- Nasturtiopsis coronopifolia* (Desf.) Boiss., Fl. Orient. 1: 237 (1867).subsp. *arabica* (Boiss.) Greuter & Burdet, Willdenowia 13: 94 (1983) –**A** **NE** [M, S]
Nasturtiopsis integrifolia (Boulos) Abdel Khalik & F.T.Bakker, Turkish J. Bot. 31: 571 (2007).
[=*Rorippa integrifolia* Boulos, Candollea 19: 210 (1964)] –**A** **E** [R, S (Maghara)]
- Nasturtium officinale* W.T.Aiton, Hortus Kew., ed. 2, 4: 110 (1812) –**P** [N, M, S]
Neotorularia aculeolata (Boiss.) Hedge & J. Léonard, Bull. Jard. Bot. Natl. Belg. 56: 393 (1986) –**A** [S]
Neotorularia torulosa (Desf.) Hedge & J.Léonard, Bull. Jard. Bot. Natl. Belg. 56: 395 (1986).
[=var. *torulosa*] –**A** [M, De, S]
[=var. *scorpiuroides* (Boiss.) Hedge & J.Léonard, Bull. Jard. Bot. Natl. Belg. 56: 395 (1986)] –**A**[N, M, De, S]
- Neslia paniculata* subsp. *thracica* (Velen.) Bornm., Oesterr. Bot. Z. 44: 125(1894).
[=*Neslia apiculata* C.A.Mey., Index Seminum (LE, Petropolitanus) 8: 68 (1842)] –**A** [M, S]
Notoceras bicornis (Aiton) Amo, Fl. Fan. Penins. Ibérica 6: 536 (1873) –**A** [De, R, GE, S]
Ochthodium aegyptiacum (L.) DC., Syst. Nat. 2: 423 (1821) –**A**[M, S]
Olimarabidopsis pumila (Stephan) Al-Shehbaz, O'Kane & R.A.Price, Novon 9: 303 (1999).
[=*Arabidopsis pumila* (Stephan) N.Busch, Fl. Caucas Crit. 3 (4): 465 (1909)] –**A**[S]
Pseuderucaria clavata (Boiss. & Reut.) O.E.Schulz, Beibl. Bot. Jahrb. Syst. 119: 54 (1916). subsp.
clavata –**A****NE** [N, M, De, S]
Pseuderucaria teretifolia (Desf.) O.E.Schulz, Beibl. Bot. Jahrb. Syst. 119: 54 (1916) –**A** [Dw]
Raphanus raphanistrum L., Sp. Pl., ed. 1, 2: 669 (1753).subsp. *raphanistrum* –**A** [N, M, De, R]

- Rapistrum rugosum* (L.) All., Fl. Pedem. 1: 257 (1785) –**A** [M, S]
Ricotia lunaria (L.) DC., Syst. Nat. 2: 284 (1821) –**A****NE** [S]
Robeschia schimperi (Boiss.) O.E.Schulz in H.G.A.Engler (ed.), Pflanzenr., IV, 105(Heft 86): 361 (1924) –**A** [S]
Rorippa indica (L.) Hiern, Cat. Afr. Pl. 1: (xxvi) Add. & Corr. (1896) –**A**/**P** [N]
Rorippa palustris (L.) Besser, Enum. Pl. Volh.: 27 (1822) –**A**/**P**[N, M]
Savignya parviflora (Delile) Webb, Fragm. Fl. Aethiop.-Aegypt.: 14 (1854).
 subsp. *parviflora*[=*Savignya parviflora* (Delile) Webb, Giom. Bot. Ital. 2 (2): 215 (1847)] –**A** [N, O, M, D, R, S]
Schimpera arabica Hochst. & Steud. in E.G.von Steudel, Nomencl. Bot., ed. 2, 2: 530 (1841).
 [= *Schimpera arabica* Hochst. & Steud, ex Endl, Pl. Arab. Exsicc. No. 144 (1836)] –**A**[De, S]
Schouwia purpurea (Forssk.) Schweinf., Bull. Herb. Boissier 4 (App. 2): 183 (1896) –**A** [N, O, M, D, R, GE, S]
Sinapis alba L., Sp. Pl., ed. 1, 2: 668 (1753) –**A** [N, M, R]
Sisymbrium erysimoides Desf., Fl. Atlant. 2: 84 (1798) –**A** [M, De, R, GE, S]
Sisymbrium irio L., Sp. Pl., ed. 1, 2: 659 (1753) –**A** [N, M, De, R, GE, S]
Sisymbrium orientale L., Cent. Pl. 2: 24 (1756) –**A** [S]
Sisymbrium polyceratium L., Sp. Pl., ed. 1, 2: 658 (1753) –**A** [S (El-Qantara)]
Sisymbrium septulatum DC., Syst. Nat. 2: 471 (1821) –**A**[S]
Strigosella africana (L.) Botsch., Bot. Zhurn. (Moscow & Leningrad) 57: 1038 (1972).
 [= *Malcolmia africana* (L.) W.T.Aiton, Hortus Kew., ed. 2, 4: 121 (1812)] –**A**[M, S]
Zilla spinosa (L.) Prantl in H.G.A.Engler & K.A.E.Prantl, Nat. Pflanzenfam. 3 (2): 175 (1891).
 subsp. *biparmata* (O.E.Schulz) Maire & Weiller, Bull. Soc. Hist. Nat. Afrique N. 30: 260 (1939) –
S
NE [M, D]subsp. *spinosa* –**S** [N, M, D, R, GE, S]
Zuvanda crenulata (DC.) Askerova, Bot. Zhurn. (Moscow & Leningrad) 70: 523 (1985).
 [= *Malcolmia crenulata* (DC.) Boiss., Fl. Orient. 1: 229 (1867)] –**A** [S]
104. GERANIACEAE (3 genera, 26 taxa)
Erodium arborescens (Desf.) Willd., Sp. Pl., ed. 4, 3: 638 (1800) –**P**[De, S]
Erodium chium (L.) Willd., Phytographia 1: 10 (1794) –**A** [M, De, S]
Erodium ciconium (L.) L'Hér. in W.Aiton, Hort. Kew., 2: 415 (1789) –**A** [M, D, S]
Erodium cicutarium (L.) L'Hér. in W.Aiton, Hort. Kew. 2: 414 (1789) –**A** [O, M, D, S]
Erodium crassifolium L'Hér. in W.Aiton, Hort. Kew. 2: 414 (1789) –**P** [M, D, S]
Erodium glaucophyllum (L.) L'Hér. in W.Aiton, Hort. Kew. 2: 416 (1789) –**P** [M, D, R, S]
Erodium gruinum (L.) L'Hér. in W.Aiton, Hort. Kew. 2: 415 (1789) –**A**[N, M]
Erodium laciniatum (Cav.) Willd., Sp. Pl., ed. 4, 3: 633 (1800).
 [=subsp. *laciniatum*] –**A** [N, M, D, R, GE, S]
Erodium malacoides (L.) L'Hér. in W.Aiton, Hort. Kew. 2: 415 (1789) .
 subsp. *malacoides* –**A** [N, O, M, De, S]
Erodium moschatum (L.) L'Hér. in W.Aiton, Hort. Kew. 2: 414 (1789) –**A**[M]
Erodium neuradifolium Delile ex Godr., Mém. Sect. Med. Acad. Sci. Montpellier 1: 425 (1853) –
A
 [M, De, R, GE, S]
Erodium oxyrhinchum M.Bieb., Fl. Taur.-Caucas. 2: 133 (1808).

- subsp. *bryoniifolium* (Boiss.) Schönbr.-Tem., Fl. Iranica 69:43 (1970) –**A/P** [N, O (Wadi Natrun), M, De, S]
- subsp. *oxyrhinchum* –**A/P**[De, S]
- Erodium pulverulentum* (Cav.) Willd., Sp. Pl., ed. 4, 3(1): 632 (1800).
- subsp. *pulverulentum* –**A** [N, M, D, R, GE, S] [=*Erodium laciniatum* subsp. *pulverulentum* (Cav.) Batt. J.A.Battandier & L.C.Trabut, Fl. Algérie, Dicot.: 126 (1888)]
- *subsp. *tunetanum* (DC.) Guitt. In A.Dobignard & C.Chatelain, Index Syn. Fl. Afrique N. 4: 239 (2012) –**A**
- [S]
- Erodium touchyanum* Delile ex Godr., Mém. Sect. Med. Acad. Sci. Montpellier 1: 423 (1853) –**A**
- [De, S]
- Geranium biuncinatum* Kokwaro, Webbia 25(2): 639 (1971) –**A** [GE]
- **Geranium carolinianum* L., Sp. Pl., ed. 1, 2: 682 (1753) –**A** [N]
- Geranium dissectum* L., Cent. Pl. 1: 21 (1755) –**A** [N, O, M, GE]
- **Geranium mascatense* Boiss., Diagn. Pl. Orient. 1: 59 (1843) –**A** [GE]
- Geranium molle* L., Sp. Pl., ed. 1, 2: 682 (1753) –**A**[M, S]
- **Geranium rotundifolium* L., Sp. Pl., ed. 1, 2: 683 (1753) –**A** [S]
- Geranium trilophum* Boiss., Diagn. Pl. Orient, sér. 1, 6: 30 (1846) –**A** [GE]
- Monsonia heliotropioides* (Cav.) Boiss., Fl. Orient. 1: 897 (1867) –**P**[De, R, GE, S]
- Monsonia nivea* (Decne.) Webb, Fragm. Fl. Aethiop.-Aegypt.: 59 (1854) –**P** [N, O, M, D, R, GE, S]
- Monsonia senegalensis* Guill. & Perr., Fl. Seneg. Tent. 1: 131 (1831) –**A/P**[GE]
- 105. NEURADACEAE** (1 genus, 3 taxa)
- **Neurada al-eisawii* Barsotti, Borzatti & Garbari, Bot. Chron. 13: 113 (2000) –**A** NE [Dw]
- Neurada procumbens* L., Sp. Pl., ed. 1, 1: 441 (1753). var. *procumbens* –**A** [N, O (Wadi Natrun), M, D, R, GE, S]
- *var. *stellata* Zohary & D.Zohary, Palestine J. Bot., Jerusalem Ser. 5: 248 (1952) –**A** [N, D]
- 106. MALVACEAE [incl. TILIACEAE & STERCULIACEAE]** (17 genera, 52 taxa)
- Abutilon bidentatum* (Hochst.) A.Rich., Tent. Fl. Abyss. 1: 68 (1847) –**P** [N, O, De, GE]
- Abutilon fruticosum* Guill. & Perr., Fl. Seneg. Tent. 1: 70 (1831)
- var. *fruticosum* –**S** [De, R, GE, S]
- **Abutilon grandifolium* (Willd.) Sweet, Hort. Brit.: 53 (1826) –**P** [N]
- Abutilon longicuspe* Hochst. ex A.Rich., Tent. Fl. Abyss. 1: 69 (1847)
- var. *longicuspe* –**P** [Dw, GE]
- Abutilon pannosum* (G.Forst.) Schltdl., Bot. Zeitung (Berlin) 9: 828 (1851)
- var. *figarianum* (Webb) Verdc., Fl. Trop. E. Africa, Malv.: 124 (2009).
- [=*Abutilon figarianum* Webb, Fragm. Fl. Aethiop.-Aegypt.: 52 (1854)] –**P** [N, R]
- var. *pannosum* –**P**[N, O, De, R, GE, S]
- Abutilon theophrasti* Medik., Malvenfam.: 28 (1787) –**A**[N, M, S]
- Alcea acaulis* (Cav.) Alef., Österr. Bot. Z. 12: 251 (1862) –**P** [M, S]
- Alcea apterocarpa* (Fenzl) Boiss., Fl. Orient. 1: 830 (1867) –**P** [S]
- Alcea rosea* L., Sp. Pl., ed. 1, 2: 687 (1753) –**A** [S]
- Alcea rufescens* (Boiss.) Boiss., Fl. Orient. 1: 828 (1867).

- [=*Alcea striata* subsp. *rufescens* (Boiss.) Cullen, Notes Roy. Bot. Gard. Edinburgh 27: 216 (1967)] –**P** [S]
Alcea striata (DC.) Alef., Österr. Bot. Z. 12: 252 (1862).
 [=subsp. *striata*] –**P**[S]
 Anoda cristata* (L.) Schltdl., Linnaea 11: 210 (1837) –A**/**P** [N]
Corchorus depressus (L.) Peterm., Pflanzenreich: 924 (1845).[=*Corchorus depressus* (L.) Stocks, Proc. Linn. Soc. London 1(35): 367 (1848)] –**P** [O (Uweinat), De, R, GE]
Corchorus olitorius L., Sp. Pl., ed. 1, 1: 529 (1753) –**A** [N, O, M, De, R, S]
Corchorus tridens L., Mant. Pl. 2: 566 (1771) –**A** [N (Aswan)]
Corchorus trilocularis L., Mant. Pl. 1: 77 (1767) –**A** [N, O, M, GE]
Gossypium herbaceum L., Sp. Pl., ed. 1, 2: 693 (1753)
 subsp. *herbaceum* –**P** [O (Bahariya, Siwa)]
Grewia tembensis Fresen., Mus. Senckenberg. 2: 158 (1837)
 var. *tembensis* –**S** [GE]
Grewia tenax (Forssk.) Fiori, Agric. Colon. 5 (Suppl.): 23 (1911 publ. 1912)
 subsp. *tenax* –**S** [De, R, GE, S]
Grewia villosa Willd., Neue Schriften Ges. Naturf. Freunde Berlin 4: 205 (1803) –**S** [GE]
Hermannia modesta (Ehrenb.) Mast in D.Oliver & auct. suc. (eds.), Fl. Trop. Afr. 1: 232 (1858) –
A [De, R, GE]
 **Hibiscus diversifolius* Jacq., Collectanea 2: 307 (1789).
 subsp. *diversifolius* –**P** [N]
Hibiscus micranthus L.f., Suppl. Pl.: 308 (1782) –**S** [De, R, GE, S]
Hibiscus sabdariffa L., Sp. Pl., ed. 1, 2: 695 (1753) –**A**/**P** [N, O]
Hibiscus trionum L., Sp. Pl., ed. 1, 2: 697 (1753) –**A** [N, O, M, S]
Hibiscus vitifolius L., Sp. Pl., ed. 1, 2: 696 (1753)
 subsp. *vitifolius* –**S** [GE]
Malva aegyptia L., Sp. Pl., ed. 1, 2: 690 (1753) –**A**[M, De, S]
Malva ludwigii (L.) Soldano, Banfi & Galasso, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 152: 95 (2011).
 [=*Althaea ludwigii* L., Mant. Pl. 2: 98 (1771)] –**A**/**P** [N, O, M, De, S]
Malva multiflora (Cav.) Soldano, Banfi & Galasso, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 146: 230 (2005).
 [=*Lavatera cretica* L., Sp. Pl., ed. 1, 2: 691 (1753)] –**A**/**P** [N, M, S]
Malva neglecta Wallr., Syll. Pl. Nov. 1: 140 (1824) –**A** [M, Dw, S]
Malva nicaeensis All., Fl. Pedem. 2: 40 (1785) –**A** [N, M, S]
Malva parviflora L., Demonstr. Pl.: 18 (1753).
 var. *parviflora* –**A** [N, O, M, D, R, GE, S]
Malva sylvestris L., Sp. Pl., ed. 1, 2: 689 (1753)
 var. *sylvestris* –**A**[N, M, R, S]
Malvastrum coromandelianum (L.) Garcke, Bonplandia (Hannover) 5: 297 (1857) –**A** [N (Cairo and El-Saff)]
Malvella sherardiana (L.) Jaub. & Spach., Ill. Pl. Orient. 5: 46 (1854) –**P**[O (Kharga)]
Melhania denhamii R.Br., Narr. Travels Africa App.12: 232 (1826) –**P**[GE]
Melhania phillipsiae Baker f., J. Bot. 36: 4 (1898) –**P** [GE]

- **Melhanian steudneri* Schweinf., Verh. K. K. Zool.-Bot. Ges. Wien 18: 672 (1868) –**P** [R, GE]
Pavonia arabica Hochst. & Steud. ex Boiss., Fl. Orient. 1: 837 (1867) –**P**[De]
Pavonia burchellii (DC.) R.A.Dyer, Bull. Misc. Inform. Kew 1932 (3): 152 (1932) –**S** [N]
Pavonia kotschy Hochst. ex Webb, Fragm. Fl. Aethiop.-Aegypt.: 43 (1854) –**P** [GE]
Pavonia senegalensis (Cav.) Leistner, Bothalia 10: 74 (1969).
[=*Pavonia hirsuta* Guill. & Perr., Fl. Seneg., Tent. 1: 51 (1831) –**S** [De]
Pavonia triloba Guill. & Perr., Fl. Seneg. Tent. 1: 50 (1831) –**P**[GE]
Sida acuta Burm.f., Fl. Indica: 147 (1768) –**P** [N (Cairo)]
Sida alba L., Sp. Pl., ed. 2: 960 (1763) –**A**/**P** [N, O, M]
Sida ovata Forssk., Fl. Aegypt.-Arab.: 124 (1775) –**S**[GE]
Sida rhombifolia L., Sp. Pl., ed. 1, 2: 684 (1753) –**P** [S]
Sterculia africana (Lour.) Fiori, Agric. Colon. 5, Suppl.: 37 (1911 publ. 1912) –**T** [R, GE]
Triumfetta flavescens Hochst. ex A.Rich., Tent. Fl. Abyss. 1: 82 (1847) –**P** [R, GE]
Triumfetta rhomboidea Jacq., Enum. Syst. Pl.: 22 (1760) –**P**[GE]
Waltheria indica L., Sp. Pl., ed. 1, 2: 673 (1753) –**P** [GE]
107. THYMELAEACEAE (1 genus, 1 species)
Thymelaea hirsuta (L.) Endl., Gen. Pl., Suppl. 4(2): 65 (1848) –**S** [O, M, De, S]
108. CISTACEAE (2 genera, 14 species)
Fumana arabica (L.) Spach, Ann. Sci. Nat. Bot., sér. 2, 6: 359 (1836) –**S** [M, S]
Fumana thymifolia (L.) Webb, Iter Hispan.: 69 (1838) –**S** [M, S]
Helianthemum aegyptiacum (L.) Mill., Gard. Dict., ed. 8, no. 23 (1768) –**A** [M, S]
Helianthemum crassifolium Pers., Syn. Pl. 2: 77 (1806).subsp. *sphaerocalyx* (Gauba & Janch.)
Maire, Bull. Soc. Hist. Nat. Afrique N. 30: 263 (1939).
[=*Helianthemum sphaerocalyx* Gauba & Janch., Österr. Bot. Z. 79: 349 (1930)] –**P** NE [M]
Helianthemum kahiricum Delile, Descr. Egypte, Hist. Nat. 2(Mém.): 237 (1813) –**S** [M, D, R,
S]
Helianthemum ledifolium (L.) Mill., Gard. Dict., ed. 8, no. 20 (1768)
subsp. *ledifolium* –**A**[M, De, S]
Helianthemum lippii (L.) Dum.Cours., Bot. Cult. 3: 130 (1802) –**S**[N, O, M, D, R, S]
Helianthemum salicifolium (L.) Mill., Gard. Dict., ed. 8, no. 21 (1768)
var. *salicifolium* –**A** [M, De, S]
Helianthemum sancti-antoni Schweinf. ex Boiss., Fl. Orient., Suppl.: 70 (1888) –**S** NE [De, S]
Helianthemum schweinfurthii Grosser in H.G.A.Engler (ed.), Pflanzenr., IV, 193: 95 (1903) –**S**
E [De (Gebel Shalufa)]
Helianthemum stipulatum (Forssk.) C.Chr., Dansk Bot. Ark. 4 (3): 20 (1922) –**S** [N, M, D, S]
Helianthemum ventosum Boiss., Diagn. Pl. Orient., ser. 1, 8: 50 (1849) –**S** NE [De, S]
Helianthemum vesicarium Boiss., Diagn. Pl. Orient., sér. 1, 8: 50 (1849).
[=var. *vesicarium*] –**P** [O (Wadi Natrun), M, De, S]
Helianthemum virgatum (Desf.) Pers., Syn. Pl. 2: 79 (1806).
subsp. *ciliatum* (Desf.) Murb., Acta Univ. Lund. 33(12): 22 (1897). [= *Helianthemum vesicarium*
var. *ciliatum* (Desf.) Zohary, Fl. Palaestina 2: 340 (1972)] –**P** NE [M, S]
109. LYTHRACEAE (2 genera, 9 taxa)
Ammannia auriculata Willd., Hort. Berol. 1: t.7 (1803) –**A**[N, O]
Ammannia baccifera L., Sp. Pl., ed. 1, 1: 120 (1753)

*var. *attenuate* (Hochst. & A.Rich) Z.Turki, Fl. Medit. 17: 102 (2007) –**A**[N, O]

*var. *baccifera* –**A**[N, O]

Ammannia multiflora* Roxb., Fl. Ind. 1: 447 (1820) –A** [M]

Ammannia senegalensis Lam., Tabl. Encycl. 1: 312 (1792)

var. *senegalensis* –**A** [N, O, M]

Lythrum hyssopifolia L., Sp. Pl., ed. 1, 1: 447 (1753) –**A** [N, O, M]

Lythrum junceum Banks ex Sol. in A.Russell, Nat. Hist. Aleppo, ed. 2, 2: 253 (1794) –**P** [M, S]

Lythrum thymifolia L., Sp. Pl. ed. 1, 1: 447 (1753) –**A** [N]

Lythrum tribracteatum Salzm. ex Spreng., Syst. Veg., ed. 16, 4 (2): 190 (1827) –**A** [N, O, M]

110. ONAGRACEAE (3 genera, 4 taxa)

Epilobium hirsutum L., Sp. Pl. ed. 1, 1: 347 (1753) –**P** [N, O, M, S]

Ludwigia adscendens (L.) H.Hara, J. Jap. Bot. 28: 291 (1953). subsp. *diffusa* (Forssk.) P. H.

Raven, Kew Bull. 15: 476 (1962).

[=*Ludwigia stolonifera* (Guill. & Perr.) P.H.Raven, Reinwardtia 6: 390 (1964)] –**P** [N, O, M, De,

S]

Ludwigia erecta (L.) H.Hara, J. Jap. Bot. 28: 292 (1953) –**A**[N]

Oenothera drummondii Hook., Bot. Mag. 61: t. 3361 (1834). subsp. *drummondii* –**P**[N, S]

111. NITRARIACEAE (incl. PEGANACEAE & TETRADICLIDACEAE) (3 genera, 3 taxa)

Nitraria retusa (Forssk.) Asch., Verh. Bot. Vereins Prov. Brandenburg 18: 94 (1876) –**S**

[N, O, M, D, R, GE, S]

Peganum harmala L., Sp. Pl., ed. 1, 1: 444 (1753).

var. *harmala* –**P** [M, De, R, S]

Tetradiclis tenella (Ehrenb.) Litv., Trudy Bot. Muz. Imp. Akad. Nauk 3:122 (1907) –**A** [N, M]

112. BURSERACEAE (1 genus, 2 species)

Commiphora gileadensis (L.) C.Chr., Dansk Bot. Ark. 4(3): 18 (1922) –**T/S** [R, GE]

Commiphora quadricincta Schweinf., Bull. Herb. Boissier 7 (App. 2): 283 (1899) –**T/S**[R, GE]

113. ANACARDIACEAE (3 genera, 7 species)

Pistacia atlantica Desf., Fl. Atlant. 2: 364 (1799) –**T**[S]

Pistacia khinjuk Stocks, Hooker's J. Bot. Kew Gard. Misc. 4: 143 (1852).

[=var. *glabra* Schweinf. ex Engl. in A.L.P.P.de Candolle & A.C.P.de Candolle, Monogr.

Phan. 4: 291 (1883)] –**T** [De, GE, S]

[=var. *microphylla* Boiss., Fl. Orient. Suppl.: 154 (1888)] –**T** [De (South Galala Mountain)]

Pistacia lentiscus L., Sp. Pl., ed. 1, 2: 1026 (1753) –**S**[M (Wadi Batoum, south of Sollum)]

Rhus coriaria L., Sp. Pl., ed. 1, 1: 265 (1753) –**S/T** [S]

Searsia flexicaulis (Baker) Moffett, Bothalia 37(2): 168 (2007).

[=*Rhus flexicaulis* Baker, Bull. Misc. Inform. Kew 1895: 316 (1895)] –**S** **NE** [GE]

Searsia glutinosa subsp. *abyssinica* (Hochst. ex Oliv.) Moffett, Bothalia 37(2): 168 (2007).

[=*Rhus abyssinica* Hochst. ex Oliv., Fl. Trop. Afr. 1:438 (1868)] –**S/T** [GE]

Searsia tripartita (Ucria) Moffett, Bothalia 37 (2): 173 (2007).

[=*Rhus tripartita* (Ucria) Grande, Bull. Orto Bot. Regia Univ. Napoli 5: 62 (1918)] –**S** [M, De,

R, GE, S]

114. SAPINDACEAE (2 genera, 2 species)

Cardiospermum halicacabum L., Sp. Pl., ed. 1, 1: 366 (1753) –**A** [N, O (Dakhla)]

- Dodonaea viscosa* Jacq., Enum. Syst. Pl.: 19 (1760) –**S/T**[GE]
- 115. RUTACEAE** (2 genera, 4 taxa)
- Haplophyllum poorei* C.C.Towns., Kew Bull. 20: 97 (1966)
- *subsp. *negevense* Zohary & Danin, Fl. Palaestina 2: 459 (1972) –**S** NE [S]
- subsp. *poorei* –**S** NE [S]
- Haplophyllum tuberculatum* (Forssk.) A.Juss., Mém. Mus. Hist. Nat. 12: 528 (1825) –**P** [N, O, M, D, R, GE, S]
- **Ruta chalepensis* L., Mant. Pl.: 69 (1767) –**P**[S]
- 116. FRANKENIACEAE** (1 genus, 2 taxa)
- Frankenia hirsuta* L., Sp. Pl., ed., 1, 1: 331 (1753) –**S** [N, O, M, De, R, S]
- Frankenia pulverulenta* L., Sp. Pl., ed. 1, 1: 332 (1753)
- subsp. *pulverulenta* –**A** [N, O, M, D, R, S]
- 117. TAMARICACEAE** (2 genera, 14 taxa)
- Reaumuria alternifolia* (Labill.) Britten, J. Bot. 54: 110 (1916)
- subsp. *alternifolia* –**S** [D, S]
- Reaumuria hirtella* Jaub. & Spach, Ill. Pl. Orient. 3: 54 (1848).
- var. *brachylepis* Zohary & Danin, Israel J. Bot. 19: 309 (1970) –**SNE** [S] var. *hirtella* –**SNE** [M, De, R, S]
- var. *palaestina* (Boiss.) Zohary & Danin, Israel J. Bot. 19: 309 (1970) –**SNE** [N, M, De, S]
- Reaumuria negevensis* Zohary & Danin, Israel J. Bot. 19: 309 (1970) –**SNE** [S]
- Reaumuria vermiculata* L., Syst. Nat., ed. 10, 2: 1081 (1759) –**S**[O (Uweinat), M, D, S]
- Tamarix amplexicaulis* Ehrenb., Linnaea 2(2): 275 (1827) –**S** [N, O, D, R]
- Tamarix aphylla* (L.) H.Karst., Deut. Fl.: 641 (1882) –**S/T** [N, O, M, D, R, GE, S]
- **Tamarix arborea* (Sieber ex Ehrenb.) Bunge, Tent. Gen. Tamar.: 67 (1852) –**T** [N, O, M, De, R]
- Tamarix macrocarpa* (Ehrenb.) Bunge, Tent. Gen. Tamar.: 79 (1852) –**S** [N, O, D, R, S]
- **Tamarix mannifera* (Ehrenb.) Bunge, Tent. Gen. Tamar.: 63 (1852) –**S/T** [M, De, S]
- Tamarix nilotica* (Ehrenb.) Bunge, Tent. Gen. Tamar.: 54 (1852) –**S/T** [N, O, M, D, R, GE, S]
- Tamarix passerinoides* Delile ex Decne., Ann. Sci. Nat., Bot. 4: 349 (1825) –**S** [N, O, M, Dw, S]
- Tamarix tetragyna* Ehrenb., Linnaea 2(2): 257 (1827) –**S** [N, O, M, De, R, S]
- 118. PLUMBAGINACEAE** (3 genera, 14 taxa)
- Limonium axillare* (Forssk.) Kuntze, Revis. Gen. Pl. 1: 395 (1891) –**S** [M, R, GE, S]
- Limonium bonduellei* (T. Lestib.) Kuntze, Revis. Gen. Pl. 2: 395 (1891).
- [=*Limonium sinuatum* subsp. *bonduellei* (T. Lestib.) Sauvage & Vindt, Trav. Inst. Sci. Chérifien, sér. Bot. 4: 50 (1952)] –**P**[M]
- Limonium echioides* (L.) Mill., Gard. Dict., ed. 8: n.° 11 (1768) –**A** [M]
- Limonium lobatum* (L.f.) Chaz. in P.Miller, Suppl. Dict. Jard. 2: 36 (1790) –**A** [M, S]
- Limonium narbonense* Mill., Gard. Dict., ed. 8: n.° (1768) –**P** [N, M, D, S]
- Limonium pruinsum* (L.) Chaz. in P.Miller, Suppl. Dict. Jard. 2: 36 (1790).
- [=var. *pruinsum* –**P** [N, M, D, R, S]
- [=var. *hirtiflorum* (Cavara) Täckh. ex Feinbrun, Fl. Palaestina 3: 11 (1978)] –**P** [M, D, S]
- Limonium scoparium* (Pall. ex Willd.) H.Arnaud, Fl. Jard. 3: 303 (1849). [= *Limonium meyeri* (Boiss.) Kuntze, Revis. Gen. Pl. 2: 395 (1891)] –**P**[M]
- Limonium sinuatum* (L.) Mill, Gard. Dict., ed. 8: n.° 6 (1768).
- subsp. *sinuatum* –**P** [M]

- subsp. *romanum* Täckh. & Boulos, Publ. Cairo Univ. Herb. 5: 90, t. 14 (1974) –**P** E [M]
Limonium tubiflorum (Delile) Kuntze, Revis. Gen. Pl. 2: 396 (1891).
 [=var. *tubiflorum*] –**P** NE [M, Dw (south of Mersa Matruh)]
Limonium zanonii (Pamp.) Domina, Willdenowia 41: 131 (2011).
 [= *Limonium tubiflorum* var. *zanonii* (Pamp.) Maire, Bull. Soc. Hist. Nat. Afrique N 29: 435 (1938)]
- P**
 NE [M, Dw (south of Mersa Matruh)]
Limoniastrum guyonianum Durieu ex Boiss. in A.P.de Candolle, Prodr. 12: 689 (1848) –**S** NE
 [M]
Limoniastrum monopetalum (L.) Boiss. in A.P.de Candolle, Prodr. 12: 689 (1848) –**S** [N, M, R, S]
Plumbago zeylanica L., Sp. Pl., ed. 1, 1: 151 (1753) –**S**[GE]
119. POLYGONACEAE (7 genera and 35 taxa)
Atraphaxis spinosa L., Sp. Pl., ed. 1, 1: 333 (1753) var. *sinaica* (Jaub. & Spach) Boiss., Fl. Orient. 4: 1021 (1879) –**S** [De, S]
Calligonum comosum L' Hér., Trans. Linn. Soc. London 1: 180 (1791).
 [= *Calligonum polygonoides* L., Sp. Pl., ed. 1, 1: 530 (1753) subsp. *comosum* (L' Hér.) Soskov, Nov. Sist. Vyss. Rast. 12: 153(1975)] –**S** [O, M, D, R, GE, S]
Calligonum polygonoides L., Sp. Pl., ed. 1, 1: 530 (1753)
 [= *Calligonum polygonoides* L., Sp. Pl., ed. 1, 1: 530 (1753) subsp. *polygonoides*] –**S**[N, S]
Fallopia convolvulus (L.) Á.Löve, Taxon 19: 300 (1970) –**A** [N, M]
Oxygonum atriplicifolium (Meisn.) Martelli, Florula Bogos.: 69 (1886) –**A** [GE]
Oxygonum sinuatum (Hochst. & Steud. ex Meisn.) Dammer in Engl. & Prantl., Pflanzenfam. III.,1. a: 30 (1892) – **A** [GE]
Persicaria attenuata* (R.Br.) Soják, Preslia 46 (2): 152 (1974) –P** [N, M]
Persicaria decipiens (R.Br.) K.L.Wilson, Telopea 3 (2): 178 (1988).
 [= *Persicaria salicifolia* (Brouss. ex Willd.) Assenov, Fl. Reipubl. Popul. Bulgar 3: 243 (1966)] –**P**
 [N, M, D]
Persicaria lapathifolia (L.) Delarbre, Fl. Auvergne (Delarbre), ed. 2: 519 (1800).
 [= *Persicaria lanigera* (R.Br.) Soják, Preslia 46 (2): 153 (1974)] –**P** [N, O][= *Persicaria lapathifolia* (L.) Gray, Nat. Arr. Brit. Pl. 2: 270 (1821)] –**A** [N, M]
Persicaria limbata (Meisn.) H.Hara, Fl. E. Himalaya: 71 (1966) –**P** [N, M]
Persicaria maculosa Gray, Nat. Arr. Brit. Pl. 2: 269 (1821). var. *maculosa* –**A** [N, M]
Persicaria obtusifolia (Täckh. & Boulos) Greuter & Burdet, Willdenowia 19 (1): 41 (1989) –**P**
 E [N (Faiyum)]
Persicaria senegalensis (Meisn.) Soják, Preslia 46 (2): 155 (1974) –**P**[N, M, De]
Polygonum arenastrum Boreau, Fl. Centre France, ed. 3, 2: 559 (1857) –**A** [M, S]
Polygonum argyrocoleon* Steud. ex Kunze, Linnaea 20 (1): 17 (1847) –P**[N, O (Bahariya)]
Polygonum aviculare L., Sp. Pl., ed. 1, 1: 362 (1753) –**A** [N, M]
Polygonum balansae* Boiss., Diagn. Pl. Orient., ser. 2, 4: 78 (1859) –P** [N, M]
Polygonum bellardii All., Fl. Pedem, 2: 207, t. 90, f. 2 (1785) –**A** [N, O, M, S]
Polygonum equisetiforme Sm., Fl. Graec. Prodr. 1 (2): 266 (1809) –**P** [N, O, M, D, S]
Polygonum maritimum L., Sp. Pl., ed. 1, 1: 361 (1753) –**P** [M]
Polygonum patulum* M.Bieb., Fl. Taur.-Caucas. 1: 304 (1808) –A** [N, O, M, De]

- Polygonum plebeium* R.Br., Prodr. Fl. Nov. Holland.:420 (1810) – [N, O, M, De]
- Rumex aegyptiacus* L., Sp. Pl., ed. 1, 1: 335 (1753) – E [N]
- Rumex bucephalophorus* L., Sp. Pl., ed. 1, 1: 336 (1753)
- subsp. *bucephalophorus* – [S]
- Rumex crispus* L., Sp. Pl., ed. 1, 1: 335 (1753)
- subsp. *crispus* – [N]
- Rumex cyprius* Murb., Acta Univ. Lund., ser. 2, 2 (4): 20 (1907)
- subsp. *cyprius* – [M, De, GE, S]
- Rumex dentatus* L., Mant. Pl. Altera: 226 (1771).
- subsp. *dentatus* – [N, M, Dw, S]
- subsp. *mesopotamicus* Rech.f., Beih. Bot. Centralbl. 49 (2): 16 (1932) – [N, O, M, R, S]
- Rumex pictus* Forssk., Fl. Aegypt.-Arab.: 77 (1775) – [N, M, Dw, S]
- Rumex pulcher* L., Sp. Pl., ed. 1, 1: 336 (1753)
- *subsp. *anodontus* (Hausskn.) Rech.f., Beih. Bot. Centralbl. 49 (2): 34 (1932) – [O]
- subsp. *pulcher* – [O, M]
- **Rumex roseus* L., Sp. Pl., ed. 1, 1: 337 (1753) – [De, S]
- Rumex simpliciflorus* Murb., Acta Univ. Lund. 35 (3): 11 (1899)
- subsp. *simpliciflorus* – [N, De, R, GE]
- Rumex spinosus* L., Sp. Pl., ed. 1, 1: 337 (1753) [= *Emex spinosa* (L.) Campd., Monogr. Rumex: 58, t. 1, f.1 (1819)] – [N, O, M, D, S]
- Rumex vesicarius* L., Sp. Pl., ed. 1, 1: 336 (1753) –[N, M, D, R, GE, S]

4. Discussion

Since Täckholm has established the first checklist on 1974, many floristic studies have been conducted in Egypt, where 419 species have been added to the Egyptian flora. Furthermore, the radical changes adopted by the Angiosperm Phylogeny Group (APG IV, 2016) in taxonomic classification of families and genera, highlighted the necessity of updating the floristic status and taxonomic knowledge of the Egyptian vascular flora.

Recently, many checklists of native vascular plants have been published, as in Jordan by Taifour et al. (2016); Libya by Gawhari et al. (2018); Italy by Bartolucci et al. (2018); Mongolia by Baasanmunkh et al. (2022).

The previous checklists of vascular plants in Egypt (Täckholm, 1974; El Hadidi and Fayed, 1994/95; Boulos, 1995; Boulos, 2009) listed both native and non-native taxa; however, there were no specific remarks for non-native taxa. Many weed species have recently been introduced into Egypt and are now completely naturalized.

This work provides a comprehensive review to the latest checklist of the Egyptian vascular plants conducted by Boulos (2009). There were 2,317 native taxa from 746 genera and 129 families listed by Boulos (2009), while the numbers have increased in the current checklist to be 2,499 vascular taxa native or naturalized (escaped from cultivation) from 653 genera and 119 families. Change in absolute species numbers appeared to be minor due to high number of synonymization, even after the new species that have been added to the flora of Egypt.

The name of 32 family, 70 genera and 410 species has been changed in this work (App. 1). In addition, one new family (Cannabaceae), 23 new genera, 189 new species, 61 new subspecies, and 41 new varieties were not reported by Boulos (2009) and are added to the Egyptian flora in the current work based on recent studies. For example, the genus *Cruciata* Mill. (Rubiaceae) was collected twice by Reno Muschler from El Kantarah in 1903 and Abu Sir in 1906 (Abdel-Khalik and Bakker, 2007), as well Shaheen (2008) recorded the genus *Desmodium* Desv. in the Nile valley. Many publications by

different authors confirm the existence of new taxa depending on extensive fieldworks and taxonomic revisions of herbarium specimens. Some of these taxa are identified as new species, and some are invasive (Shaltout et al., 2016; El-Beheiry et al., 2020). The first checklist of alien species in Egypt was recently published by El Beheiry et al. (2020). The study of the degree of invasiveness in the country is an important topic due to the direct and indirect effects on the native communities.

On the other hand, some genera were listed by Boulos (2009) while omitted from Egyptian flora based on recent studies (Zareh, 2005; Heneidak, 2008). In this work, 52 plant species are excluded from the checklist as the majority of them are cultivated for ornamental or medical purposes or used as fodder (Table 3). Some genera like the genus *Pteris* L. (Pteridaceae) have not been confirmed in the country in recent times as it was introduced as an ornamental plant in khedivial gardens and never being naturalized.

Concerning the endemism, Egypt has a relatively small number of endemic vascular plants, representing about 3% of the country's total flora (Abd El Ghani et al., 2024). In this study, the authors revised the endemic status of each taxon (with the help of several resources Euro+Med PlantBase, POWO, WFO and GBIF), and adopted 74 endemic taxa grouped in 30 families and 67 genera, while excluded 13 taxa from Boulos' checklist (2009) due to their distribution in neighboring countries (App. 3). As for the near-endemic taxa, this study provides a revised list compared to Boulos (2009) and the last study of near-endemic in Egypt conducted by Abd El Ghani et al. (2024). The list comprises 215 taxa, 106 taxa were added by Abd El Ghani et al. (2024), while authors in this work added 13 taxa neither mentioned in Boulos' checklist (2009) nor in Abd El Ghani et al. (2024). On the other hand, authors excluded 10 taxa reported as near-endemic in Boulos' checklist due to their distribution in different countries all over the world or their restriction to Egypt (App. 4). Notably, the Sinai Peninsula occupies the highest percentage of the total endemics (39 taxa) and near-endemics (150 taxa) of Egypt (Table 2, Figure 3) which reflects its unique nature and diverse habitats resulted in a high species richness.

5. Conclusions

Data changes summarized above confirm that the Egyptian flora needs this significant updating. These changes in the Egyptian floristic nature are certainly attributed to climatic changes and habitat destruction that result in extinction of some species and appearance of other new ones. We believe that this updating checklist will serve as an essential background and reference for scientists and students interested in the Egyptian flora, and also for conservation projects in Egypt.

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References

1. Abdelaal, M., Fois M., Fenu G., Bacchetta G., 2018. Critical checklist of the endemic vascular plants of Egypt. *Phytotaxa* 360(1),19-34. <https://doi.org/10.1164/phytotaxa.360.1.2>
2. Abd El Ghani, M.M., Karam, M., El-Baky, F.A., Ali, R., 2010. A taxonomic revision of *Veronica* sect. *Beccabunga* in Egypt: confirmation with new additions. *Phytol. Balc.* 16(3), 337-349.

3. Abd El Ghani, M.M., Salama, F.M., Salem, B., El Hadidy, A., Abdel Aleem, M., 2017. Phytogeography of the Eastern Desert flora of Egypt. *Wulfenia* 24, 97-120.
4. Abd El Ghani, M.M., Hosni, H.A., Shams, E.M., 2024. New perspectives, additions, and amendments to plant endemism in the Egyptian flora. *SBC* 3(1), 29-62. <https://doi.org/10.5281/zenodo.11117298>
5. Abdel Khalik, K.N., Bakker, F.T., 2007. *Nasturtiopsis integrifolia* (Boulos) Abdel Khalik & Bakker (Brassicaceae), a new combination, and *Cruciate articulata* (L.) Ehrend. (Rubiaceae), a new record for the flora of Egypt. *Turk. J. Bot.* 31, 571-574.
6. Abdel Khalik, K., Van der Maesen, J., 2017. Biosystematic studies of the family Brassicaceae in Egypt, Noor Publishing.
7. Ahmed, A.M., Eisa, S.S., El Shamey, I., Mohamed, A.A., Hussin, S., 2015. A study on the flora of El-Qantara Sharq in North Sinai, Egypt. *Ann. Agric. Sci.* 60(1), 169-182.
8. Ali-Shtayeh, M.S., Jamous, R.M., Abuzaitoun, S.Y., 2022. Analysis of floristic composition and species diversity of vascular plants native to the State of Palestine (West Bank and Gaza Strip). *Biodiversity Data J.* 10, e80427.
9. <https://doi.org/10.3897/BDJ.10.e80427>
10. Alzerbia, K.A., Alaibb, A.M., Omar, N., 2022. Introduced species in Flora of Libya 1. *Libyan J. Sci. Tech.* 11(2), 65-72. <https://doi.org/10.37376/ljst.v11i2.2404>
11. Amer, W., Hamdy, R., Badr, A., 2016a. Macro- and micro-morphological variations of *Ludwigia stolonifera* (Guill. & Perr.) P.H. Raven in Egypt and its taxonomic assessment. *EJBO - special issue for the 6th International Con. 11-12 May, 2016, Menoufia Univ.*, 317-354.
12. Amer, W., Hamdy, R., Mahdy, R., 2016b. Taxonomic revision of genus *Cordia* L. (Boraginaceae) in Egypt. *EJBO - special issue for the 6th International Con. 11-12 May, 2016, Menoufia Univ.*, 375-408.
13. The Angiosperm Phylogeny Group, Chase, M.W., Christenhusz, M.J.M., Fay, M.F., Byng, J.W., Judd, W.S., Soltis, D.E., Mabberley, D.J., Sennikov, A.N., Soltis, P.S., Stevens, P.F., 2016. An update of Angiosperm Phylogeny Group classification for the orders and families of Flowering Plants: APG IV. *Bot. J. Linn. Soc.* 181(1), 1-20. <https://doi.org/10.1111/boj.12385>
14. Azer, S.A., 2013. Taxonomic revision of genus *Lemna* L. (Lemnaceae Gray) in Egypt. *Ann. Agric. Sci.* 58(2), 257-263. <https://doi.org/10.1016/j.aos.2013.07.015>
15. Baasanmunkh, S., Urgamal, M., Oyuntsetseg, B., Sukhorukov, A.P., Tsegmed, Z., Son, D.C., Erst, A., Oyundelger, K., Kechaykin, A.A., Norris, J., Kosachev, P., Ma, J-S., Chang, K.S., Choi, H.J., 2022. Flora of Mongolia: annotated checklist of native vascular plants. *PhytoKeys* 192, 63-169. <https://doi.org/10.3897/phytokeys.192.79702>
16. Badry, M.O., Tate, J.A., Sheded, M.G., El Naggar, S.M., Hamed, S.T., 2015. Macro- and micro-morphological characters of *Hibiscus diversifolius* Jacq. subsp. *diversifolius* (Malvaceae): A new record for the flora of Egypt. *Feddes Repert.* 126, 37-47. <https://doi.org/10.1002/fedr.201500016>
17. Badry, M.O., Tate, J.A., Sheded, M.G., 2018. A new record of *Abutilon grandifolium* (subfamily Malvoideae, Malvaceae) from Qena Governorate, Egypt. *Phytotaxa* 382 (3), 255-266. <https://doi.org/10.11646/phytotaxa.382.3.2>
18. Bartolucci, F., Peruzzi, L., Galasso, G. et al., 2018. An updated checklist of the vascular flora native to Italy, *Plant Biosyst.* 152(2), 179-303. <https://doi.org/10.1080/11263504.2017.1419996>
19. Boulos, L., 1995. Flora of Egypt. Checklist. Al Hadara publishing, Cairo, Egypt.
20. Boulos, L., 1999. Flora of Egypt, Volume 1 (Azollaceae-Oxalidaceae); Al-Hadara Publishing: Cairo, Egypt.
21. Boulos L (2000) Flora of Egypt, Volume 2 (Geraniaceae-Boraginaceae); Al-Hadara Publishing: Cairo, Egypt.
22. Boulos, L., 2002. Flora of Egypt, Volume 3 (Verbenaceae-Compositae); Al-Hadara Publishing: Cairo, Egypt.
23. Boulos, L., 2005. Flora of Egypt, Volume 4 (Monocotyledoneae: Alismataceae-Orchidaceae); Al-Hadara Publishing: Cairo, Egypt.
24. Boulos, L., 1999-2005. Flora of Egypt vol.1- 4. Al Hadara publishing, Cairo, Egypt.
25. Boulos, L., 2009. Flora of Egypt Checklist, Revised Annotated Edition. Al-Hadara Publishing, Egypt, 410 pp.

26. Christenhusz, M.J.M., Reveal, J.L., Farjon, A., Gardner, M.F., Mill, R.R., Chase, M.W., 2011. A new classification and linear sequence of extant gymnosperms. *Phytotaxa* 19, 55–70. <https://doi.org/10.11646/PHYTOTAXA.19.1.3>
27. Chrtek, J., Martinovsky, J., 1969. Infrasppezifische taxa von "Stipa parviflora" Desf. Und "Stipa hoggarensis" Chrtek et Martinovsky sp. nova: XXI. Beitrag zur kenntnis der federgrassippen. *Webbia* 24(1), 391-399. <https://doi.org/10.1080/00837792.1969.10669909>
28. Derbyshire, I., Kordofani, M., Farag, I., Candiga, R., Pickering, H., 2015. The Plants of Sudan and South Sudan: An Annotated Checklist. Royal Botanic Gardens, Kew, United Kingdom.
29. El Egami, H.M., Sayed, H.A., 2016. Propagation of hardwood cuttings of some *Ficus* species as affected by microorganisms and compost tea treatments. *AEJAES* 16(8), 1527-1533. <https://doi.org/10.5829/idosi.ajeaes.2016.1527.1533>
30. El Banhawy, A., Kamel, W.M., Gamal El-din, E.M., 2016. *Salvia lanigera* var. *grandiflora* Benth: A New Record in the Flora of Egypt. *JEHE* 4(2), 87-89.
31. El Beheiry, H.M., Hosni, H.A., El Din, A.S., Shaltout, S., Ahmed, D.A., 2020. Updating the checklist of the alien flora in Egypt. *Taekholmia* 40, 41-56. <https://doi.org/10.21608/taec.2020.21300.1011>
32. El Gazzar, A., El Saied, A., Khattab, A., Elkady, A., El Ghamery, A., 2018. Computer-Generated Keys to the Flora of Egypt. 8. The Lamiaceae. *Egypt. J. Bot.* 59(1), 209-232. <https://doi.org/10.21608/ejbo.2018.4861.1201>
33. El Gazzar, A., Khattab, A., El Saied, A., Elkady, A., 2018. Numerical Taxonomy of the Asclepiadaceae s.l. *Egypt. J. Bot.* 58(3), 321-330. <https://doi.org/10.21608/ejbo.2018.3035.1156>
34. El Gazzar, A., El Hussein, N., Khafagi, A., Moustafa, N.A., 2019. Computer-generated Keys to the Flora of Egypt. 9. The Spiny taxa of Asteraceae. *Egypt. J. Bot.* 59(1), 107-138. <https://doi.org/10.21608/ejbo.2018.4536.1191>
35. <https://doi.org/10.21608/ejbo.2018.4536.1191>
36. El Gazzar, A., El Hussein, N., Khafagi, A., Mostafa, N.A., 2020a. Two additions to the Asteraceae of Egypt. *Not. Sci. Biol.* 12(1), 14-21.
37. El Gazzar, A., El Hussein, N., Khafagi, A., Moustafa, N.A., 2020b. Computer-generated Keys to the Flora of Egypt. 10. The Spineless Taxa of Asteraceae. *Egypt. J. Bot.* 60(1), 97-131. <https://doi.org/10.21608/ejbo.2019.13915.1327>
38. <https://doi.org/10.21608/ejbo.2019.13915.1327>
39. El Gazzar, A., Hosni, H.A., Khattab, A., Salim, W.N., Eisa, A.M., 2024. Computer-Generated Keys to the Flora of Egypt. 12. The Euphorbiaceae s.l. *Egypt. J. Bot.* 64(3), 342-357. doi:10.21608/ejbo.2024.264918.2676
40. El Hadidi, M.N., 2000. Geomorphology, climate and phytogeographic affinities in M.N. El Hadidi (ed.). *Flora Aegyptiaca* 1, part 1. The Palm Press and Cairo University Herbarium. 1- 26 pp.
41. El Hadidi, M.N., Fayed, A.A., 1994/95. Materials for Excursion Flora of Egypt (EFE). *Taekholmia* 15, 1-233
42. El Hadidy, A., Abd El Ghani, M., Amer, W., Hassan, R., 2011. Systematic revision of the genus *Pancratium* L. (Amaryllidaceae) in Egypt with a new Addition. *Not. Sci. Biol.* 3(2), 24-38. <https://doi.org/10.15835/nsb.3.2.5612>
43. El Hadidy, A., Olwey, A., EL Naggar, S., 2018. Phenetic assessment among *Heliotropium* L. s.l. species. *Turk. J. Bot.* 42, 732-755. <https://doi.org/10.3906/bot-1709-23>
44. El Khalafy, M.M., Ahmed, D.A., Shaltout, K.H., Al-Sodany, Y.M., Haroun, S.A., 2021. Re-assessment of the endemic taxa in the Egyptian Flora. *Afr. J. Ecol.* 59, 784-796. <https://doi.org/10.1111/aje.12880>
45. El Khanagry, S.S.G., 2005. New Records of Dicotyledons taxa to the Flora of Egypt. *Bull. Fac. Agric. Cairo Univ.* 56, 89-106.
46. El kholy, M.A., Mansour, M., Omar, K., 2011. Genetic variability of *Nepeta septemcrenata* Benth. (Lamiaceae) Assessed by RAPD Markers. *N. Y. Sci. J.* 4(6), 97-105). <http://www.sciencepub.net/newyork>.
47. El Kordy, A., 2015. Two subspecies of *Galium setaceum* (Rubiaceae) in Egypt. *Phytol. Balc.* 21(1), 29-35
48. El Kordy, A., El Garf, I.A., Osman, A.K., Abdallah, N.Y., Badry, M.O., 2022. *Onopordum arenarium* (Desf.) Pomel (Asteraceae), a Noteworthy Record from Egypt. *Egypt. J. Bot.* 62 (3), 811-815. <https://doi.org/10.21608/ejbo.2022.135635.1973>
49. <https://doi.org/10.21608/ejbo.2022.135635.1973>
50. El Zayat, M.A., Ali, M.E., Amar, M.H., 2020. A systematic revision of Capparaceae and Cleomaceae in Egypt: an evaluation of the generic delimitations of *Capparis* and *Cleome* using ecological and genetic diversity. *JGEB* 18(1), 58. <https://doi.org/10.1186/s43141-020-00069-z>

51. Euro+Med 2006+ [continuously updated]: Euro+Med PlantBase - the information resource for Euro-Mediterranean plant diversity. – Published at <http://www.europlusmed.org> [December 2024]
52. Fahmy, A.G., El Bakry, A.A., 2011. Phytogeographical significance of Wadi Wateer (Sinai), Egypt, with special reference to *Cocculus hirsutus* (L.) W. Theob. Pl. Syst. Evol. 297, 299-303. <https://doi.org/10.1007/s00606-011-0531-2>
53. Faried, A.M., 2018. A taxonomic synopsis of the genus *Paspalum* (Poaceae) in Egypt, including the first record of *Paspalum vaginatum* for the flora. Phytotaxa 336 (2), 171–180. <https://doi.org/10.11646/phytotaxa.336.2.4>
54. Faried, A.M., Mohamed, Y.A., Elkordy, A.M., 2023. A Taxonomic revision of the genus *Stipagrostis* Nees (Poaceae) in Egypt with a resurrection of two varieties. Sohag J. Sci. 8(1), 53-64. <https://doi.org/10.21608/sjsoci.2022.159604.1029>
55. Fayed, A., Zareh, M., Hassan, N., Fareid, A., 2015. A systematic revision of the genus *Teucrium* (Lamiaceae) in Egypt. Nord. J. Bot. 33, 389-400. <https://doi.org/10.1111/njb.00670>
56. Fayed, A., El Hadidy, A., Faried, A., Olwey, A., 2019. Taxonomic revision of the genus *Ononis* (Trifolieae, Fabaceae) in Egypt, with the first record of *Ononis viscosa* subsp. *breviflora*. Phytotaxa 408(1), 1-29. <https://doi.org/10.11646/phytotaxa.408.1.1>
57. Gawhari, A.M.H., Jury, S.L., Culham, A., 2018. Towards an updated checklist of the Libyan flora. Phytotaxa 338 (1), 1-16. <https://doi.org/10.11646/phytotaxa.338.1.1>
58. Gehrke, B., 2011. Synopsis of *Carex* (Cyperaceae) from sub-Saharan Africa and Madagascar. Bot. J. Linn. Soc. 166, 51-99. <https://doi.org/10.1111/j.1095-8339.2011.01116.x>
59. GBIF, 2023. Global Biodiversity Information Facility Backbone Taxonomy. Version v1.0.3.
60. <https://www.gbif.org/> (accessed December 2023)
61. Gillespie, L.J., Soreng, R.J., Cabi, E., Amiri, N., 2018. Phylogeny and taxonomic synopsis of *Poa* subgenus *Pseudopoa* (including *Eremopoa* and *Lindbergella*) (Poaceae, Poaeae, Poinae). PhytoKeys 111, 69-101. <https://doi.org/10.3897/phytokeys.111.28081>
62. Govaerts, R., 2024. WCVP: World Checklist of Vascular Plants. Facilitated by the Royal Botanic Gardens, Kew. [WWW document] URL <http://sftp.kew.org/pub/data-repositories/WCVP/> [accessed 21 May 2024].
63. Hamada, F.A., Hamed, A.I., Sheded, M.G., Shaheen, A.M., 2010. Macro, micro-morphological and Bioactivity Aspects of Naturalized Exotic *Solanum diphyllum* L. Al-Azhar Bull. Sci. (ISCAZ 2010), 175-206
64. Hassan, R.A., Amer, W.M., 2019. Biosystematic study of the Egyptian *Datura stramonium* (Solanaceae). Phytotaxa 408(3), 178-194. <https://doi.org/10.11646/phytotaxa.408.3.3>
65. Hassan, R.A., Hamdy, R.S., 2021. Synoptic Overview of Exotic *Acacia*, *Senegalia* and *Vachellia* (Caesalpinioideae, Mimosoid Cladew, Fabaceae) in Egypt. Plants 10(7), 1344. <https://doi.org/10.3390/plants10071344>
66. Hassan, M., Olwey, A., Mostafa, A.M., 2024. Biosystematic studies on the genus *Crepis* L. (Asteraceae: Cichorieae) in Egypt. Sultan Qaboos Univ. J. Sci. 29(2), 82-114 <https://doi.org/10.53539/squjs.splisspp>
67. Heneidak, S., 2008. Taxonomic Revision of wild species of Cucurbitaceae in Egypt. Taekholmia 28, 21-55.
68. Heneidy, S.Z., Al Sodany, Y.M., Fakhry, A.M., Bidak, L.M., Kamal, S.A., Halmy, M.W.A., El kenany, E.T., Toto, S.M., 2024. New records and endemic taxa revealed in the novel checklist of Alexandria flora: implications for conservation prioritization. Egypt. J. Bot. 64(1), 387-418. <https://doi.org/10.21608/ejbo.2023.224043.2413>
69. Hosni, H.A., Hosny, A., Shams, E., Hamdy, R., 2013. Endemic and near-endemic taxa in the flora of Egypt. Egypt. J. Bot. 53(2), 357- 383.
70. Ibrahim, K.M., Hosni, H.A., Peterson, P.M., 2020. Grasses of Egypt. Smithsonian contrib. Bot. 103, Smithsonian Institution Scholarly Press, Washington, D.C.
71. IPNI, 2024. International Plant Names Index. Published on the Internet <http://www.ipni.org>, The Royal Botanic Gardens, Kew, Harvard University Herbaria & Libraries and Australian National Herbarium. [Retrieved 11 September 2024].
72. Kamel, W.M., Abd El-Ghani, M.M., El Bous, M.M., 2009. Taxonomic study of Capparaceae from Egypt: revisited. Afr. J. Plant Sci. 3(1), 27-35.

73. Kamel, M.A., El Hadidy, A.M.H., Hamed, S.T., Hussein, N.R.A., 2018. A palynological review for some species of family Boraginaceae Juss. from the Egyptian Flora. ARRB 30(3),1-16. <https://doi.org/10.9734/ARRB/2018/46408>
74. Mobarak, O.M.M., El Khanagry, S.S.G., 2017. *Anoda cristata* (L.) Schlechter a new weed species in the Egyptian weed Flora. AEJAES17(4), 284-287. <https://doi.org/10.5829/idosi.ajeaes.2017.284.287>
75. Moustafa, A.A., Zaghloul, M.S., Al Sharkawy, D.H., 2015. Two New Record Plant Species to Egypt; *Cyperus glaber* L. and *Eminium spiculatum* (Blume) Schott subsp. *negevensis* Koach & Feinbrun). Catrina 11(1), 27 -28. https://cat.journals.ekb.eg/article_18414.html
76. Moustafa, N.A., El Gazzar, A., Hosny, H.A., Hafez, O.H.F., 2024. Numerical classification of the Phyllanthaceae Martinov based on gross morphology. Egypt. J. Bot. 64(3), 270-279. <https://doi.org/10.21608/ejbo.2024.273554.2739>
77. <https://doi.org/10.21608/ejbo.2024.273554.2739>
78. Moustafa, A.A., Elganainy, R.A., Khalil, Y.S., Zaghloul, M.S., Mansour, S.R., Abd El Ghani, M.M., 2024. New floristic records and species diversity in North Sinai, Egypt: Monitoring changes during last fifty years (1974-2024). Egypt. J. Bot. 64, 200-218, special Issue. <https://doi.org/10.21608/ejbo.2024.302995.2911>
79. POWO, 2024. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <https://powo.science.kew.org/> Retrieved 25 September 2024.
80. PPG I, 2016. A community-derived classification for extant lycophytes and ferns: PPG I. J. Syst. Evol. 54, 563-603. <https://doi.org/10.1111/jse.12229>
81. Rabei, S.H., Hosni, H.A., Soliman, A.T., 2021a. Phenotypic Diversity of *Eragrostis* Wolf in Egypt. Taekholmia 41, 18-31. <https://doi.org/10.21608/taec.2021.88939.1033>
82. Rabei, S.H., Khedr, A.A., El Gamal, I.A., 2019. *Clinopodium serpyllifolium* subsp. *barbatum* (Lamiaceae) and *Datura ferox* (Solanaceae): New Records for The Flora of Egypt. Egypt. J. Bot. 59(1);233-239. <https://doi.org/10.21608/ejbo.2018.5470.1222>
83. Rabei, S.H., Khedr, A.A., El Gamal, I.A., 2021b. Floristic study of Saint Katherine protectorate, Sinai: with one new record to flora of Egypt. Taekholmia 41, 32-55. <https://doi.org/10.21608/taec.2021.190777>
84. Shaheen, A.M., 2008. Morphological and anatomical investigations in *Desmodium tortuosum* (Sw.) DC. (Fabaceae): a new addition to the Egyptian flora. Bangladesh J. Plant Taxon. 15(1), 21-29.
85. Shaltout, K., Ahmed, D., Diab, M., El Khalafy, M., 2018. Re-assessment of the near endemic taxa in the Egyptian flora. Taekholmia 38(1), 61–83. <https://doi.org/10.2160/taec.2018.11903>
86. Shaltout, K., Sharaf El Din, A., Ahmed, D., 2010. Plant life in the Nile Delta. Tanta Univ. Press, Tanta, Egypt.
87. Shaltout, K.H., Hosni, H.A., El Kady, H.F., El Beheiry, M.A., Shaltout, S.K., 2016. Composition and pattern of alien species in the Egyptian flora. Flora 222, 104-110. <https://doi.org/10.1016/j.flora.2016.04.001>
88. Shamso, E.M., 2010. A synoptic revision of Acanthaceae in Egypt, with a new record from Gebel Elba. Taekholmia 30, 127-144. <https://doi.org/10.21608/taec.2010.156582>
89. Shamso, E.M., Fouad, A.S., 2019. *Dicliptera aegyptiaca* (Acanthaceae), a new species from Egypt supported by morphological characters and rbcL-based DNA barcoding. Egypt. J. Bot. 59(2), 475-482. <https://doi.org/10.21608/ejbo.2019.5371.1220>
90. Shamso, E.M., Hamdy, R., 2010. *Melhanzia steudneri* (Sterculiaceae) new record for Egypt, and a synopsis of the Sterculiaceae in Egypt. Nordic J. Bot. 28, 174-181. <https://doi.org/10.1111/j.1756-1051.2009.00528.x>
91. Shamso, E.M., Hosni, H.A. 2020. First record of *Egeria densa* Planch. (Hydrocharitaceae) for the aquatic flora of Egypt. Taekholmia 40, 57-63. <https://doi.org/10.21608/taec.2020.24772.1016>
92. Shamso, E.K., El Garf, I., Hosny, A.I., 2019. New records of *Ipomoea* species (Convolvulaceae) for the flora of Egypt. Phytol. Balc. 25(1), 75-78.
93. Shamso, E.M., Draz, A.A., Hosni, H.A., Hussein, S.R., 2021. Taxonomic revision of genus *Oxalis* L. (Oxalidaceae) in the flora of Egypt. Taekholmia 41, 56-69. <https://doi.org/10.21608/taec.2022.118726.1036>
94. Shamso, E.M., Hosni, H.A., Hosny, A.I., Rabei, S.H., Elgamal, I.A., 2023. Contribution to the Flora of Egypt: A critical inventory of newly recorded vascular taxa of Egypt. Sjdfs 13(3), 111-149
95. <https://doi.org/10.21608/SJDFS.2023.247544.1141>
96. Sharawy, S.M., Badr, A., 2014. Relationships of *Astragalus* L. in section *Sesamei* based on morphological criteria and molecular markers. BJPT 21(1), 1-12.

97. Sheded, M.G., Ayed, F.A.A., Radwan, T.A.A., Ahmed, D.A., 2024. Contribution to Egypt's Flora: new records from Nile Islands, South Valley, Egypt. *Phytotaxa* 660(1), 022-034. <https://doi.org/10.11646/phytotaxa.660.1.2>
98. Shehata, F.A., Hamdy, R., Hafez, R.M., 2024. Biosystematic studies of genus *Withania* Pauquy in Egypt. *Sci. Rep.* 14, 21754. <https://doi.org/10.1038/s41598-024-71500-5>
99. Sukhorukov, A., 2010. *Atriplex nilotica* Sukhor. (sect. *Teutliopsis*, Chenopodiaceae) – eineneue Art für die Ägyptische flora. *Feddes Repert.* 121(1-2), 32-37. <https://doi.org/10.1002/FEDR.201011126>
100. Täckholm, V., 1974. Students' Flora of Egypt (2nd edition). Cairo University (Publication) & Cooperative Printing Company, Beirut.
101. Täckholm, V., Drar, M., 1950. Flora of Egypt, vol. 2. Angiospermae, Cyperaceae-Juncaceae. *Bull Fac Sci Fouad Univ* 28, 1-547.
102. Täckholm, V., Drar, M., 1954. Flora of Egypt vol. 3. Angiospermae, Liliaceae-Musaceae. *Bull Fac Sci Fouad Univ* 30, 1-638.
103. Täckholm, V., Drar, M., 1969. Flora of Egypt vol. 4. Angiospermae: Monocotyledones: Zingiberaceae - Orchidaceae, Dicotyledones: Casuarinaceae – Piperaceae. *Bull. Fac. Sci. Fouad Univ.* 36, 11-427.
104. Täckholm, G., Täckholm, V., Drar, M., 1941. Flora of Egypt vol.1. Pteridophyta, Gymnospermae and Angiospermae, part Monocotyledones: Typhaceae –Gramineae. *Bull. Fac. Sci. Fouad Univ.* 17, 1-574.
105. Taifour, H., El Oqlah, A., 2017. In Ghazanfar S. (Ed.), *The Plants of Jordan: An Annotated Checklist*. Royal Botanic Gardens, Kew, United Kingdom.
106. Turki, Z.A., 2007. The genus *Ammannia* L. (Lythraeae) in Egypt. *Fl. Medit.* 17, 97-114.
107. Turki, Z.A., El Shayeb, F.M., Shehata, F.A., 2021. Morphological characterization of *Medicago littoralis* (Fabaceae) in Egypt, with two new varieties. *Phytol. Balc.* 27(2), 161-166.
108. World Flora Online, <http://www.worldfloraonline.org/> (accessed December 2024).
109. Zahran, M.A., El Amier, Y.A., Shawky, R.A., 2016. Natural Vegetation of the Egyptian Deserts: Ecology and Economic Potentialities. *J. Environ. Sci.* 45 (3-4), 269-282.
110. Zareh, M.M., 2005. Review: Synopsis of the Family Asteraceae in Egypt. *IJAB* 7(5), 832–844.
111. Zareh, M.M., Faried, A.M., Mohamed, M.H., 2016. Revision of *Launaea* Cass. (Compositae) in Egypt. with special references to cypselar diversity. *Feddes Repert.* 127, 1-16. <https://doi.org/10.1002/fedr.201400010>

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