



# جامعة ستاردوم

مجلة ستاردوم العلمية للدراسات الطبيعية والهندسية



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Dr. Salem Saleh Barahmah

◀ تربية و زراعة بعض أنواع النحل البري الملقح لطيف واسع من النباتات

أ.د. عبدالسلام محمد - Prof:Abdoalsalam mohamed gaool Al-Hjry

◀ مقال بحثي في كيمياء تحليل البيئة

دراسة بعض الصفات الفيزيوكيميائية والملوثات غير العضوية للمياه العادمة الناتجة من مدبغة لودر للبيئة المجاورة

جمال أحمد عبدالله الدهبلي - علي ناصر أحمد الكوم - عادل أحمد محمد سعيد

- ▶ Flora Abyan governorate

Abdul-Nasser Al-Gefr1i

- ▶ Investigation of the Absorbing the Crash Impact of Car Accedient Due Tube Inversion

Eng. Abdulhakim Hamood Ahmed Abdulwahid-Dr. Fawaz Ahmed Ghaleb

Noman-Eng. Nezar Nasser Ali Haithm

- ▶ Investigation of the inside temperature to arrive comfortable condition1: case study Mechanical workshop building

Dr. Fawaz Ahmed Ghaleb Noman

- ▶ FIELD BALANCING FOR SINGLE BLADE FAN

Eng. Saleel Saeed Abdo - Prof. Dr. Ahmed Saleh Alhunaishi

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[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, *J. Sci. Commun.* 163 (2010) 51–59.

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[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

**Flora of Abyan governorate-Yemen**

**Abdul-Nasser Al-Gefri<sup>1</sup>, Madleen A. Obel<sup>2</sup> and  
Mohammed Abdullah Hussein<sup>3</sup>**

**<sup>1,3</sup>,Dept.biology Faculty of education –Aden Aden  
university**

**<sup>2</sup>Dept.biology Faculty of education- Abyan, Abyan  
university**

**Abstract:**

This paper presents a comprehensive checklist of the flora of Abyan Governorate in Yemen, providing insight into the diverse plant species found in the region. The checklist is the result of extensive analysis of published papers and field trips to various localities in the governorate. It encompasses a total of 635 species, belonging to 331 genera and 89 families, and is arranged alphabetically. The topography of Abyan province is described as varying significantly, with coastal areas, northern highlands, and midel highlands, each exhibiting distinct characteristics and vegetation. The checklist serves as a valuable resource, shedding light on the rich biodiversity present in Abyan and providing a foundation for further studies and understanding of the region's flora.

**Keywords:** flora, Abyan, checklist, Yemen.

**Introduction:**

Flora in each region is the reaction of life community reaction against environment conditions and Plant growth during past times. Considering the role of distinguishing plants and its undeniable Importance in knowing natural power of environment and taking more advantages and more Reasonable from environment and its reformation (15). There is no paper distinguished the flora of Abyan , So this paper well be give an information about flora of Abyan. The topography of Abyan province varies markedly event geology, to which the region was exposed and can be divided into three main regions:

1. Northern highlands: The high-altitude which includes number of districts as Jaishan, Rusod at Yafaa, , which are more than 1500-2200 meters above sea level .
2. Midel highlands: The landscape is characterized by the terrain to 750- 1500 meters above sea level, which is represented the areas extending from Al-arqoup mountains north Shuqra region and the central plateau of the governorate.
3. Coastel Areas: Includes the southern parts of Abyan governorate, which is ranging from 1- 750 meters above sea level. ( 7). The checklist itself provides a detailed account of the various plant species, categorized by family, with a focus on their distribution in different localities with in Abyan Governorate



,The species are meticulously documented, including their scientific names . synonyms, and specific habitats. The document also provides insight into the cultivated plant species found in Abyan.

### **Methods and Materials:**

The methods and materials section outlines the basis for the checklist, which .was derived from field trips and literature on the flora of Abyan Governorate

The checklist was based on several field trips to various localities in the governorate also based on published literature about the flora of Abyan Gov. (1,2,3, 4,5, 6, 8,9,10, 11,12,13, 14, 16, 17, 18, 19, 20, 21,22,).

### **Results and discussion:**

The results and discussion section provides detailed insights into the specific species found in the region, offering a comprehensive overview of the diverse flora, including their habitats and distribution across different localities. The paper emphasizes the importance of this checklist as a foundational resource, highlighting the lack of previous comprehensive surveys or studies on the flora of Abyan. It underscores the value of this study in providing crucial information about the flora of the region and serving as a step towards a comprehensive understanding of the plant life in Abyan.

The checklist itself provides a detailed account of the various plant species, categorized by family, with a focus on their distribution in different localities with in Abyan Governorate. The species are meticulously documented, including their scientific names, synonyms, and specific habitats. The document also provides insight into the cultivated plant species found in Abyan,

The checklist comprises 635 species belong to 331 genera and 89 families, all are arranged alphabetically. The difference in altitude and distance from sea level leads to variability and variation of vegetation (17). There were no surveys or studies to verify the structure of the study area, so that we hope that this study will be give value information about the flora of Abyan. we hoped that this checklist might serve as a step toward a comprehensive flora of Abyan.

The checklist of the flora of Abyan:

**Acanthaceae :**

*Acanthus arboreus* Forssk

Lawder dist. Modia Dist., Yaffa,  
rocky habitats and plains

of the coastal area of Abyan,

*Anisotes trisulcus* (Forssk). Neas  
rocky habitats Of Abyan, Modia,  
Lawder, stony mountain side

Yabraq-al-wadheea, Yafaa,

*Barleria acanthoides* Vahl.

al Faydh-Lawder,

*Barleria bispinosa* (Forssk.)Vahl.

(syn. *B. spinicyma* Nees).

Abyan Delta,Uper Abyan \dery and  
stony mountain side,

*Barleria farinose* Delf.\

rocky habitats and plains of the  
coastal area of Abyan

*Barleria prionitis* L. subsp.  
*appressa* (Forssk.)

*Barleria proxima* Lindau.

(syn. *B. smithii* Rendle).

Yabraq-Al-wadheea,yafaa,Lawder  
dist., Modia Dist.,

rocky habitats and plains of the  
coastal area of Abyan

*Barleria trispinosa*(Forssk.) Vahl.

(syn. *B. dicantha* Nees).

Yabraq-Al-wadheea,

*Blephoria ciliaris*(L.) B . L . Burt

(syn. *Acanthus imbricatus*  
Edgworth, *B. edulis* (Forssk.)Pers.,  
*B. edulis* (Forssk.)Pers. var.  
*congesta*, *B. persica*  
(Burm.f.)Kuntz).

Lawder dist.,Modia Dist, rocky  
habitats and plains ,Yafaa  
of the coastal area of Abyan

*Blepharis edulis* Forssk

Yabraq-al-wadheea,

*Blepharis linariifolia* Persj

Lawder dist, rocky habitats and  
plains of the coastal area of Abyan

*Ecbolilum viride* (Forssk.)Alston.

(syn. *E. linnaeanum* Kurz.)

*Justicia areysiana* Defl.

Al Arays,

syn. *J. bentii* V.A.W.Graham)

Lawder dist , Modia dist.,Yabraq-  
Alwadheea,Abyan

*Hypoestes forskalei* (Vahl)Sol. ex  
Roem. & Schult.

yafaa

*Justicia flava* (Vahl)Vah

(syn. *J. sulcata* Vahl).

Yabraq-Al-wadheea

*Justicia odora* (Forssk.) Vah

Yabraq-Al-wadheea,

Al

Maraqisha

*Ruellia discifolia* Oliv

Yabraq-Al-wadheea, Lawder

*Ruellia grandiflora* (Forssk.)

Blatter

(syn. *R. longiflora* vahl)

rocky habitats and plains of the coastal area of Abyan

*Ruellia longicalyx* Defl.

J. Al Arays,

*Ruellia patula* Jacq.

(syn. *R. pallida* Vahl).

Yabraq-Al-wadheea, Modia  
Dist, Lawder dist. Yafaa,

### **Actiniopteridaceae:**

*Actiniopteris radiaa* (Swartz) Link

J. Al Arays

### **Adiantaceae:**

*Adiantum incisum* Forssk.

J. Al Arays, Yabraq-al-wadheea,

### **Aizoaceae:**

*Aizoon canariense* L.

(syn. *Glinus chrystallinus* Forssk).

rocky habitats ,Lawder dist.,  
Yabraq-al-wadheea

and plains of the coastal area of  
Abyan,

*Gisekia pharnaceoides* L.

(syn. *pharnaceum occultum*  
Foessk.)

Modia dist., Lawder dist, Abyen,  
coastal areas

*Glinus lotoides* L.

(syn. *Mollugo glinus* A.R.Rich, M.  
hirta Thunb).

rocky habitats, Modia dist.,  
Lawder dist,

and plains of the coastal area of  
Abyan,

*Trianthema crystallina* (Forssk.)  
Vahl.

Modia dist., Lawder dist, Yabraq-  
al-wadheea

*Trianthema portulacastrum* L.

Modia dist. Lawder dist, Yabraq –  
Alwadheea,

*Trianthema triquetra* Wild .

Modia dist., Lawder dist,

### **Aloeaceae:**

*Aloe ahmeransins* Favell ,  
M.B.Mill & Al- Gifri

Lawder dist, Modia dist.

*Aloe abyssicola* Lavr. & Balaidi

J. Al Arayis,

*Aloe fleurentinorum*  
Lavranos.L.E.Newton

Lawder dist, Modia dist.,

*Aloe inermis* Forssk

Yabraq-Al-wadheea,\ Lawder  
dist, Yafaa,

*Aloe lanata* T.A.McCoy & Lavranos

. Yabraq-Al-wadheea ,Lawder dist., Modia dist.

*Aloe perryi* Baker

Yafaa,

*Aloe sabaia* Schweinf

(syn. *A. gillilandii* Reynolds).

Lawder dist., Modia dist., Yafaa,

*Aloe serriyensis* Lavr.

J. Al Arayis,

*Aloe splendens* Lavr.

Yabraq-Al-wadheea

*Aloe vacillans* Forssk

(syn. *A. dhalensis* Lavr., *A. audhalica* Lavr. & Hardy).

Yabraq-Al-wadheea, Lawder dist. Modia dist.,

*Aloe vera* (L.) Burm .f

Lawder dist., Modia dist.,

### **Amaranthaceae:**

*Achyranthes aspera* L.

Lawder dist., Modia dist.,Abyan, Yabraq-Al-wadheea,

*Aerva javanica* (Burn.f.) juss

(syn. *A. persica* (Burm.f.)Meur, *A. tomentosa* Forssk.).

\Weed in several localities in Abyan Gov.

*Aerva lanata* (L.) Juss

(syn. *Achyranthes villosa* Forssk., *Amaranthus lanatus* A.L.Juss

var. *rotundifolia* Moq.,*A. lanatus* var. *viridis*)

Yabraq-Al-wadheea,

*Alternanthera pungens* Kunth.

(syn. *A. repens* (L.) Steud).

weed in lawder,

*Amaranthus ascendens* Lois

(syn.. *A. lividus* L, *A. blitum* L).

weed in Yafaa , Lawder dist., Yabraq-al-wadheea, Abyan,Modia ,Abyan,

*Amaranthus chlorostachys* WILLD.

Lawder, yafaa,

*Amaranthus gracane* .L.

Yabraq-Alwadheea, Modia dist.,

*Amaranthus graecizan* L.

(syn. *A. ansustifolius* Lam subsp. *aschersonianus* Thell,

*A. angustifolius* Lam. var. *graecizans* (L.)Thell.)

Abyan , yafaa ,Lawder, Modia, Yabraq-Al-wadheea

*Amaranthus lioides* L.

Modia dist.,

*Amaranthus sparganiocephalus* Thell



Abyan,  
*Amaranthus spinosus* L.  
 Abyan, Yabraq-Al-wadheea,  
*Amaranthus tricolor* L.  
 (syn. *A. mangostanus* L., *A. gangeticus* L., *A. tristis* L.)  
 Lawder ,  
*Amaranthus viridis* L.  
 (syn. *A. gracilis* Desf.).  
 Lawder, Modia dist., Abyan,  
 Yabraq-Al-wadheea,  
*Digera muricata* (L.) Mart.  
 (syn. *D. arvensis* Forssk.)  
 Abyan , Yafaa, Lawder, Modia  
 dist., Yabraq-Al-wadheea  
*Pupalia lappacea* (L.) Juss.  
 Lawder, Al Maraqisha, Yafaa  
*Saltia papposa* (Foessk.) Moq  
 (syn. *Achyranthus papposa*  
 Forssk.)  
 Abyan,  
**Anacardiaceae:**  
*Mangifera indica* L.  
 Cultivated in Abyan, Lawder ,  
 Modia,  
*Rhus flexicaulis* Bake  
 Modia, Lawder, Abyan,  
*Rhus villosa* L.

J. Al Maraqisha, Abyan,  
*Schinus mole* L. Introduced.  
**Annonaceae :**  
*Annona squamosa* L.  
 Cultivated in Abyan, Modia,  
 Lawder  
**Apiaceae:**  
*Anethum graveolens* L.,  
 Cultivated  
*Coriandrum sativum* L.  
 Cultivated  
*Conium maculatum* L.  
 Yabraq-Alwadheea,  
*Cuminum cyminum* L.  
 Abyan, Modia,  
*Daucus carota* L.  
 Cultivated.  
*Foeniculum vulgare* Mill.  
 Cultivated  
**Apocynaceae:**  
*Adenium obesum* (Forssk.) Roem.  
 & Schult  
 (syn. *A. arabicum* Balf.f., *A. micranthum* Stapf.).  
 rocky habitate In Abyan, Modia,  
 Lawder, Yabraq-Alwadheea, Yafaa  
*Catharanthus roseus* Don  
 (syn. *Vigna rosea* L.)

Introduced, gardens		Common at different localities.of
<i>Nerium oleander</i> L.		Abyan Gov.
Introduced, gardens		<i>Caralluma awdaliana</i> (Defl.)
<i>Thevetia</i>	<i>peruviana</i>	Meve & Liede
(Pers.)K.Schum		Lawder,Modia, Yabraq-
Introduced, gardens		Alwadheea,
<b>Arecaceae :</b>		<i>Caralluma adenensis</i> (Defl.)
<i>Cocos nusifera</i> L.		Schum.
Cultivated		J.Alareys, Abyan , Yabraq-
<i>Hyphaene thebaica</i> (L.) Mart		Alwadheea,
Coastal areas		<i>Curalluma anemoniflora</i>
<i>Phoenix dactylifera</i> L.		(DEFLERS) BERGEX
Cultivated		J.Alareys,
<i>Wissmania carinensis</i> Chiov.		<i>Caralluma chrysostephana</i> (defl.)
Introduced		Burg
<b>Aristolochiaceae:</b>		J. Alareys,Upper Abyan In the
<i>Aristolochia bracteolata</i> Lam.		Wadis, Yabraq-Alwadheea,
Abyan ,Yafaa ,Lawder,		<i>Caralluma cicatricose</i> (Defl.)
Modia,yabraq-Alwadheea		N.E.Br
<b>Asclepiadaceae:</b>		J.Alareys,Abyan, Yabraq-
<i>Angolluma</i>		Alwadheea,Yafaa,
<i>commulata</i> (A.Berger)Plowes		<i>Caralluma deflersiana</i> (Defl.)
Lawder, Modia,		Bergor.
<i>Blyttia spiralis</i> (Forssk.) D.V. Field		Lawder, Yabraq-Alwadheea,Yafaa,
&Wood		<i>Caralluma edulis</i> (.Edgw.) Benth
Abyan,		Yabraq-Alwadheea,
<i>Calotropis procera</i> Ation.F.		<i>Caralluma hexogona</i> lav
		Lawder, Yabraq-Alwadheea,,
		<i>Caralluma penicellata</i> (Defl.)N. E.
		Br.
		Upper Abyan Stony hillsides.

<i>Caralluma plicatiloba</i> Lav.	<i>Duvalia anemoniflora</i>
Lawder,	(Delf.)R.A.Dyers & Lavr
<i>Caralluma quadrangula</i> (Forssk. )	(syn. <i>Caralluma anemoniflora</i>
N. E. Brown.	(Defl.)Burg).
J. Alarerys, Yabraq-	J. Al Arays
Alwadheea, Yafaa	<i>Duvalia sulcata</i> N.E.Br.
<i>Caralluma solenophora</i> lavranos	Lawder,
Lawder,	<i>Glossoniema varians</i> (Stocks)
<i>Ceropegia arabica</i> H . Huber	Benth. ex Hook. f.
Lawder, Modia,	(syn.G. arabica Deflers, G. edule
<i>Ceropegia botrys</i> K. Schum	N.E.Br.).
Lawder, Modia	Yafaa, Yabraq-Alwadheea,
<i>Ceropegia dolichocarpa</i>	<i>Gomphocarpus fruticosus</i> ( L.)
(O.Schwartz)Thullin and Al-	W.T.Aiton
Hawshabi	Yafaa, Lawder, Modia,
Modia	<i>Huernia lodarensis</i> Lav.
<i>Cerapegia rupicola</i> Deflers	Lawder,
Lawder, Modia,	<i>Huernia marnieriana</i> Lav.
<i>Ceropegia subaphylla</i> K.	Lawder
Schuhmann.	<i>Leptadenia arborea</i> (Forssk.)
Yabraq-Alwadheea,	Schweinf
<i>Ceropegia variegata</i> Del.	Abyan , Yabraq-Alwadheea,
(syn. <i>C. tubulifera</i> Deflers, <i>C. de-</i>	<i>Leptadnia pyrotechnica</i>
<i>vecchii</i> Chiov.).	(Forssk.)Decne
Lawder,Modia, Yabraq-	Lawder, Modia, Abyan, Yabraq-
Alwadheea,,	Alwadheea,
<i>Desmidorchis peniceiatla</i> (Defl.)	<i>Monolluma quadrangular</i>
Plowes	(Forssk.) Plowes
Lawder, Modia, Yabraq-	Lawder, Modia, Yabraq-
Alwadheea,	Alwadheea,

*Pentatropis nivalis*  
(Gmel.)Field&Wood

(syn. *Asclepias forskalei* Roem. & Schult., P. *spinalis* (Forssk.)Decne.).

Abyan, Yabraq-Alwadheea,

*Pentatropis spiralis* (Forsk.)Decne

Abyan Coast.

*Pergularia deamia* ( Forssk.) Choiv.

(syn. *Daemia angolensis* Decne, P. *extensa* (Jacq.)N.E.Br., P. *glabra* Forssk.).

Modia, Yafaa

*Pergularia tomentosa* L.

Abyan ,Yafaa, Lawder, Modia,

*Rhytidocaulon macrolobum* Lavr.

Lawder, Yabraq-Alwadheea,

*Sarcostemma forskalianum*  
Schult.

Lawder, Yabraq-Alwadheea, yafaa

*Sarcostemma viminala*(L) K Br.

(syn. S. *stipitaceum* (Forssk.)Schult.)

Upper Abyan, Modia, Yabraq-  
Yabraq- Alwadeea, Yafaa

*Stultitia araysiana* Lavr. & Bilaidi  
\* (3,4)

J. Al Arayes

### Asparagaceae:

*Asparagus africanus* Lam

Abyan ,Yabraq-Alwadheea

### Asteraceae:

*Artemisia abyssinca* Sch.Bip. ex  
A.Rich

Modia

*Calendula micrantha* TINEO et  
Guss.

*Cirsium vulgare* (Savi)Ten

(syn. *C. lanceolatum* (L.)Scop.).

Yafaa, Abyan,

*Conyza bonariensis*(L.)Cronquist

Lawder,

*Conyza linifolia* WILLD

weed in abyan,

*Conyza stricta* WILLD

Abyan,

*Eclipta prostrata* (L.)

(syn. *E. alba* (L.)Hassk.).

Yabraq-Alwadheea, Lawder,

*Echinops erinaceus* Kit Tan

Yabraq-Alwadheea,

*Flaveria trinervia* (Spreng.) Mohr.

Lawder, Yabraq –Alwadheea,  
Abyan, Modia,

*Francoeuria crispa* (FORSK)

Lawder, Abyan,

Helichrysum (Klatt.)Moes.	pumilum	J. Al Arayes
Yabraq-Alwadheea, <i>Guizotia scabra</i> (Vis.)Chiov. (syn. <i>G. schultzii</i> Hochst. ex Sch. Bip.).		<i>Launae capitata</i> ( Spreng) Dandy (syn. <i>L. glomerata</i> (Jaub & Spach)Hook, <i>Sonchus mareoticus</i> Delile).
Modia, Lawder, <i>Iphionia scabra</i> DC.		Abyan, Yafaa, <i>Launaea hafunensis</i> CHIOV. (syn. <i>L. cufodontii</i> Lanza ).
Abyan, Yabraq-Alwadheea, Abyan, <i>Kleinia anteuphorbium</i> ( L. ) Haw Modia, Lawder		Yabraq-Alwadheea, <i>Launaea intybacea</i> (Jacq.)Beauverd Yafaa
<i>Kleinia odora</i> (Forssk.) A. Berger. (syn. <i>Senecio odorus</i> (Forssk.)Schultz).		<i>Launaea massauensis</i> (Fresen)Sch (syn. <i>L. kuriensis</i> Vierh., <i>L.</i> <i>lactuoides</i> (T.Ander.)E.H.L.Krause., <i>Brachyrhamphus lactuoides</i> T.Ander., <i>Heterachaena</i> <i>massaviensis</i> Fresen., )
Yabraq-Alawdheea, Abyan, <i>Kleinia pendula</i> (Forssk.) DC. (syn. <i>Senecio pendulus</i> (Forssk.)Schultz-Bip.) .		Abyan , Yafaa, <i>Launaea nudicaulis</i> (L.) Hook. f. (syn. <i>Lactuca nudicaulis</i> (L.)Murray, <i>Lomatolepis</i> <i>nudicaulis</i> (L.)Cass)
yabraq-Alwadheea, <i>Kleinia semperviva</i> (Forssk.) DC. (syn. <i>Senecio semperviva</i> (Forssk.)Sch.Bip.).		Abyan, Yafaa, <i>Launaea procumbens</i> (Roxb.) Ramayya & Rajgopal
Yabraq-Alwadheea, Lawder, <i>Lactuca sativa</i> L. Cultivated.		(syn. <i>L. fallax</i> (Jaub. & Spach)Muschl., <i>Lactuca obtuse</i> (DC.)Mundhe & Almeida, <i>Prenanthes procumbens</i> Roxb. ,)
<i>Lactuca serriola</i> L. Yafaa , Abyan, Lawder, <i>Launaea almahrahensis</i> N.Kilian		

Abyan ,Yafaa, Yabraq-Alwadheea,  
*Onopordon arabicum* Podl. (in  
Mitt. Bot. Munchen

(syn. *O. carmanico*  
(Bornm.)Bornm

Yafaa, Abyan

*Onopordon sibthorpiatum* Boiss  
and Helder

Abyan,Yafaa, Modia, Lawder,

*Pluchea dioscoridis* (L.) DC.

Yabraq-Alwadheea, Modia,  
Lawder, Abyan,Yahaa

*Pluchea indica* (L.) Less. subsp.  
Indic

Abyan,

*Pluchea ovalis* ( Pers ) DC.

Modia, Lawder,

*Psiadia arabica* Jaub. Et. Spach

Yabraq-Alwadheea,

*Psiadia punctulata* (DC.)Vatke

(syn. *P. arabica* Jaub & Spach).

Yafaa, Lawder,

.

*Pulicaria crispa* ( Forssk.) Benth

Modia

*Pulicaria jaubertii* Gamal-Eldin

(syn. *P. orientalis* Jaub. & Spach.).

Yafaa, Yabraq-Al-wadheea,  
Abyan, Modia, Lawder,

*Pulicaria orientalis* JAUB. et  
SPACH

Weed in Abyan

*Pulicaria petiolaris* Jaub. & Spach

Yabraq-Alwadheea

*Pulicaria schimperii* DC.

(syn. *P. ehrenbergiana* Schult.  
Bip., *P. rueppelii* Schul-Bip.)

Yabraq-Alwadheea,

*Pulicaria somalensis* O. Hoffm.  
*subsp. schweinfurthii* Gamal-Eldin

(syn. *P. adenensis* Schweinf., *P.*  
*glutinosa* Jaub. & Spach.

Yabraq-Alwadheea,

*Pulicaria undulata* (L.) C. A. Mey.

(syn. *P. crispa* (Forssk.)Benth. &  
Hook., *Francoeria crispa*  
(Forssk.)Cass.).

YabraqAlwadheea,Abyan,Modia,L  
awder,

*Reichardia tinglata* (L.)Roth.

Yafaa, Abyan,

*Senecio odorus* (FORSK.)  
CHULTZB IP.

Abyan,

*Sonchus oleraceus* L.

Yabraq-alwadheea, Abyan ,Modia,  
Lawder

*Sonchus tenerrimus* L.

Lawder,



<i>Tarchonanthus camphoratus</i> L.	Yafaa, 'Modia,
Abyan ,J. Al Arayes	<i>Cordia ovalis</i> R.Br.ex.Dc
<i>Urospermum picroides</i> (L.)	(syn. <i>C. dioica</i> Boj.).
SCHMID	Abyan, J. Al Arayes, Al Maraqisha.
Weed in Abyan,	<i>Heliotropium aegyptiacum</i> Lehm.
<i>Vernonia cinerea</i> ( L.) Less.	Yabraq -Alwadheea
Yabraq- alwadheea, Lawder,	<i>Heliotropium bacciferum</i> Forssk.
<i>Vernonia arabica</i> F. G. Davies	(syn. <i>H. undulatum</i> Vahl)
<i>Vernonia areysiana</i> Defl.	Lawder, Modia,
J. Al Arayes	<i>Heliotropium bottae</i> Jaub et.
Yabraq-Alwadheea	Abyan,
<i>Vernonia spatulata</i> (Forssk.) Sch-	<i>Heliotropium curassavicum</i> L
Bip ex Asch.	Yabraq-Alwadheea
Yabraq-Alwadheea,Abyan,	<i>Heliotropium eurapaeum</i> L
<i>Xanthium brasilicum</i> Vell.	Abyan, Yabraq-Alwadheea,
Yabraq-Alwadheea,	Lawder, Yafaa
<i>Xanthium spinosum</i> L.	<i>Heliotropium lasiocarpum</i>
Yabraq-Alwadheea,Abyan	Fiscer&C.A.Mey
,Modia, Lawder,Yafaa	Yafaa, Lawder
<i>Xanthium strumarium</i> L.	<i>Heliotropium longiflorum</i> A. DC.)
Yabraq-Alwadheea, Abyan,	Jaub. &
Modia,Lawder	Spach var. <i>longiflorum</i>
<b>Balanitaceae:</b>	Yafaa, Abyan, Modia, Lawder,
<i>Balanites aegyptiaca</i> (L.) Delile	Yabraq-Alwadheea
var. <i>aegyptiaca</i>	<i>Heliotropium pterocarpum</i> (D.C.)
Yafaa, Abyan, Lawder, Modia,	98 Steud.Hochst.ex.Bunge.
<b>Boraginaceae:</b>	Abyan,Yabraq-Alwadheea
<i>Alkanna orientalis</i> (L.) Boiss.	<i>Heliotropium ramoissimum</i>
	(Lehm)Sieber ex DE

(syn. *H. persicum* Boiss).

Abyan,

*Heliotropium rariflorum* Stocks

Yabraq-Alwadheea,  
Modia, Abyan, Yafaa

*Heliotropium strigosum* Willd.

Al Maraqlsha

*Heliotropium supinum* L.

Wedd in Lawder,

*Heliotropium zeylanicum* (Burm)  
Lam

(syn. *H. subulatum* (DC.) Martelli).

Modia, Abyan,

*Trichodesma africanum* (L.) R.Br.

Abyan,

**Brassicaceae:**

*Brassica oleracea* L.

Cultivated

*Capsella bursa-pastoris* (L.)  
MEDIK

Yafaa,

*Diploaxis acris* (FORSK.) B.ow.

(syn. *Malcolmia arabica* Velen.)

Yafaa,

*Diploaxis eruroides* L. DC

Yafaa, Modia, Lawder,

*Diploaxis harra* (Forssk.) Boiss

Lawder

*Eruca sativa* Miller

Cultivated.

*Erucastrum arabicum* Fisch. et Mey

Yafaa,

*Farsetia longisiliqua* L.

(syn. *F. stylosa*  
(Steud.) T. Anderson)

Abyan, Yabraq-Alwadheea,

*Farsetia linearis* Dene ex Boiss

Yabraq-Alwadheea,

*Farsetia stylosa* R.Br.

(syn. *F. depressa* Kotschy, *F. hamiltonii* Royle, *F. prostrata* (Stew.) Hochst., *F. ramosissima* Hochst. Ex Fourn., *Mathiola prostrata* Hochst. & Steud. Ex Steud.).

Abyan, Modia, Yabraq-Alwadheea

*Raphanus sativus* L.

Cultivated

*Schowia purpurea* (Forssk.)  
Schweinf.

(syn. *S. arabica* DC., *S. schimperi* Jaub. & Spach, *S. thebaica* Webb., *Subularia purpurea* Forssk.).

Al Faydh (Abyan), Abyan, Modia,  
Lawder, Yabraq-Alwadheea

**Buraceraceae:**

*Boswellia sacra* Flueck

(syn. *B. undulato-crenata* Engl.)

Abyan, Lawder,

*Commiphora abyssinica* (Berg.)  
Engl

Abyan-Rocky habitat.

*Commiphora africana* (A. Rich.)  
Engl.

Al Maraqisha ( Abyen), Yabraq-  
Alwadheea

*Commiphora foliacea* Sprague

Al Maraqisha ( Abyen),  
Modia, Abyan,

*Commiphora gileadensis* (L.) C.

Abyan, Modia, Lawder

*Commiphora kataf* (Forssk.) Engl.

Yabraq-Alwadheea, Lawder,  
Modia, Yafaa

*Commiphora kua* (J.F. Royle)  
Vollesen

Modia, Abyan,

*Commiphora myrrha* (Nees) Engl.

Modia, Lawder, Yabraq-  
Alwadheea

*Commiphora schimperi* (O. Berg)  
Engl

Yabraq-Alwadheea

Cactaceae:

*Opuntia ficus-indica* (L.) Mill

Abyan, Yabraq-Alwadheea

**Caesalpinaceae:**

*Caesalpinia bonduc* (L.) Roxb

Cultivated: Abyan,

*Delonix elate* (L.) Gamble

(syn. *Poinciana elata* L.).

Abyan, Modia, Lawder, Yabraq  
Alwadheea

*Parkinsonia aculeata* L.

Yabraq-Alwadheea, Abyan,

*Senna alexandrina* Mill

Yabraq-Alwadheea, Abyan,  
Lawder, Modia

*Senna auriculata* (L.) Roxb.

Modia, Lawder, Abyan

*Senna holosericea* (Fresen.) Greuter

Lawder, Modia, Abyan

*Senna italica* Mill.

(syn. *Cassia italica* (Mill.) Lam. ex  
Steud., *C. obovata* Collas.).

Abyan,  
Modia, Yafaa, Lawder, Yabraq-  
Alwadheea

*Senna occidentalis* (L.) Link

Lawder, Abyan, Yabraq-Alwadheea

*Tamarindus indica* L.

Modia, Abyan

**Capparaceae:**

*Bosacia arabica* Pestalozzi

Southern coast near Shuqra  
 . *Cadaba farinosa* Forssk  
 weed in Abyan,  
 Modia, Yafaa, Lawder  
*Cadaba glanduloslawder*, a Forssk.  
 Yabraq-Alwadheea, Abyan,  
*Cadaba hetirotricha* Stocks  
 Yabraq-Alwadheea,  
*Cadaba rotundifolia* Forssk.  
 Lawder, Abyan, Yafaa, Yabraq-  
 Alwadheea  
*Capparis cartilaginea* Forssk.  
 (syn. *C. galeata* Fres., *C. galeata*  
 Fres. Var. *montana* Schweinf.,  
*C. spinosa* L. var. *galeata*  
 (Fresen.) Hook.f. & Thoms).  
 Abyan, Modia,  
 Lawder, Yafaa, Yabraq-Alwadheea  
*Capparis decidua* (Forsk.) Edgew  
 (syn. *C. aphylla* Roth., *Sodada*  
*deciduas* Forssk.)  
 Abyan Coastal plains  
*Capparis orientalis* Duham  
 Abyan,  
*Capparis spinosa* L.  
 (syn. *C. aegyptia* Lam., *C. spinosa*  
 L. var. *aegyptia* (Lam.) Boiss,  
*C. spinosa* L. var. *canescens*  
 Cosson., *C. leucophylla* DC.)

Yabraq-Alwadheea, Modia  
*Dipterygium glaucum* Decne.  
 (syn. *D. glaucum* Decne. Var.  
*macrocarpa* Blatter, *Cleome pallida*  
 Kotschy)  
 Abyan, Lawder, Modia, Yabraq-  
 Alwadheea, Yafaa  
*Maerua crassifolia* Forssk.\  
 Almaraqesha  
 (syn. *M. uniflora* Vahl, *M. arabica*  
 J.F.Gmel., *Wiegmannia arabica*  
 (J.F.Gmel.) Hochst. & Steud. Ex  
 Steud )  
 Lawder, Modia, Abyan, Yabraq-  
 Alwadheea, Yafaa,  
*Maerua angolemsis* DC.  
 Yabraq-Alwadheea, Abyan, Yafaa  
**Caricaceae:**  
*Carica papaya* L.  
 Cultivated  
**Caryophyllaceae:**  
*Cometes abyssinica* R. Br  
 (syn. *C. abyssinica* R.Br. subsp.  
*suffruticosa* Wagn. & Vierb.).  
 Yabraq-Alwadheea, Abyan,  
*Polycarpaea repens* ( Forssk.)  
 Asch.&Schwein  
 Modia,  
*Polycarpaea spicata* Wt. et Arn.  
 Yabraq-Alwadheea, Abyan,

*Sterllaria pallid* ( Dumort.) Pire

Modia

*Vaccaria hispanicu* (MILL.)R  
AUSCHERTW

Yafaa,

**Casuarinaceae:**

*Casuarina equisetifolia* L.

Introduced; road side & gardens

**Celastraceae:**

*Catha edulis* Forssk.

Yafaa

**Chenopodiaceae:**

*Arthocemum glaucum* (Del.) Ung  
.Sternb

Abyan,

*Caroxylon imbricatum* (Forssk.)  
Moq.

Abyan,

*Caroxylon spinescens* (Moq.)  
Akhani & Roalson

Abyan,

*Chenopodium album* L.

Yafaa, Lawder, Modia

*Chenopodium botrys* L

Yafaa , Lawder,Modia

*Chenopodium murale* L.

Lawder, Modia

*Chenopodium schraderianum*  
Roem&Schultes

Modia, Lawder,

*Halothamnus bottae* Jaub.&Spach

Modia, Lawder,

*Salsola imbricata* Forssk

(syn.*Caroxylon imbricatum*  
(Forssk.)Moq., *Chenopodium*  
*haryosmon* Roemer & Schultes,  
*Salsola foetida* Del. Ex Spren., *S.*  
*foetida* Del. Ex Spren. Var. *gaeula*  
Maire., *S. baryosma* (Roem. &  
Schult.)Dandy).

Modia

*Salsola forskali* Forssk.

Abyan,Yabraq--Alwadheea

*Salsola spinescens* Moq

(syn. *S. aethiopica* Botsch., *S.*  
*forskahlii* Schwarzf.)

Yabraq-Alwadheea, Lawder

*Salsola tetrandra* Forssk.

Abyan,

*Suaeda aegyptiaca* (Hasselq.)  
Zohary\ Coastal zone

Yabraq-Alwadheea, Lawder, Abyan

*Suaeda fruticose* Forssk  
.exJ.F.Gmel

Coastal zone, Modia, Lawder

*Suaeda monoica* Forssk.

Coastal zone

*Suaeda vermiculata* Forssk..  
 (syn. *Salsola mollis* Desf. *Suaeda fruticosa* Forssk. Ex J.F.Gmelin,  
*S. mollis* (Desf.)Del., *S. paulayana* Vierh., *S. volkensii* C.B.Clarke,  
*S. monodiana* Maire, *S. mesopotamica* Eig)

Coastal zone of Abyan

*Traganum nudatum* DEL

Abyan,

**Cleomaceae:**

*Cleome brachycarpa*(Forssk.)Vahl. ex.Dc.  
 (syn.*C. brachycarpa* Vahl. ex DC.  
 Var. *filicaulis* Schweinf.,  
*C. brevisiliqua* Schultesf., ? *C. diversifolia* Hochst. & Steud.).

Abyan,Yabraq-Alwadheea  
 ,J.Alareys

*Cleome glaucescens* DC.

Yabraq—Alwadheea,Abyan,

*Cleome gynandra* L.

(syn. *C. pentaphylla*  
*L.,Gynandropsis gynandra*  
 (L.)Briq.,

*G. pentaphylla* (L.)DC.,  
*Pedicellaria gynandra*  
 (L.)Schränk.)

Yabraq-Alwadheea

*Cleome noeane* Boiss

Abyan,

*Cleome paradoxa* R. Br.,  
 (syn. *C. brachystyla* Defl.)

Lawder,Abyan,

*Cleome scaposa* DC.

(syn. *C. papillosa* Steud.)

Yabraq-Alwdheea,Abyan

*Cleome viscosa* L.\

Weed in Abyan, Yabraq-  
 Alwdheea,

**Combretaceae:**

*Conocarpus lancifolius*.Engl.

Cultivated in Abyan

*Terminalia brownie* Fresen

Modia

*Terminalia catappa* L

Cultivated

**Commelinaceae:**

*Aneilema forskolii* Kunth.

Yabraq-Alwadheea,

*Commelina albescens* Hassk

Yafaa

*Commelina bengalensis* L.

yabraq-Alwadheea,Abyan,Lawder

,

*Commelina imberbis* Ehrenb. ex  
 Hassk



Modia

**Convolvulaceae:**

*Convolvulis arvensis* L.

Yabraq-Alwadheea, Abyan,  
Modia, Lawder

*Convolvulis fatmensis* kunze

Yabraq-Alwadheea, Abyan,

*Convolvulus glomeratus* Choisy

(syn. *C. arabicus* Hochst.)

Yabraq-Alwadheea, Modia,  
Lawder,

*Cressa cretica* L.

Abyan,

*Ipomoea batatas* (L.) Lam

Cultivated.

*Ipomoea eriocarpa* R. BR

Abyan,

*Ipomoea pes-caprae* (L.) R. BR.

(syn. *I. biloba* Forssk.).

Yabraq-Alwadheea

*Seddera intermedia* Hochst. &  
Steud

Yafaa, Lawder

**Crassulaceae:**

*Kalanchoe bentii* Hook. f. subsp.  
Bentii

(syn. *K. deflersii* Gagnep., *K.*  
*teretifolia* Defl.).

Yabraq-Alwadheea,

**Cucurbitaceae:**

*Bryonia cretica* L

Lawder,

*Citrullus colocynthis* (L.) Schrad.

Yabraq-Alwadheea, Modia,  
Lawder, Abyan Yafaa

*Citrullus vulgaris* Schrad.

Modia

*Carallocarpus glomeruliflorus*  
(Defl.) Cogn.

Yabraq-alwadheea

*Coccinia grandis* (L.) Voigt.

(syn. *C. moghadd* (Gmel.) Scheinf.,  
*C. inedulii* Forssk.).

Yabraq-Alwadheea

*Cucumis melo* var *Agvestis*.  
(Naud.) Grebensc

Cultivated,

*Cucumis prophetarum* L. subsp.  
Prophetarum

Yabraq-Alwadheea, Abyan, Modia

*Cucumis sativus* L

Cultivated,

*Cucurbita maxima* Duchesne

Cultivated,

*Cucurbita pepo* L.

Cultivated,  
*Kedrostis gijef* ( J . f Gmel ) C  
.Jeffrey

Modia, Lawder,  
*Laginaria siceraria* (Mol.)Standl.

Cultivated,  
*Luffa cylindrica* (L.)M.J.Roem  
(syn. *L. aegyptiaca* Mill.).

Modia  
*Luffa forsskalii* schweif.

Yabraq-Alwadheea,  
*Momordica balsamina* L

Abyan, Lawder, Modia  
*Zehneria anomala* C. Jeffrey.

Abyan,

**Cupressaceae:**  
*Cupressus sempervirens* L.

Modia

**Cuscutaceae:**  
*Cuscuta carnpestris* YUNCKFR

Yafaa,

**Cyperaceae;**  
*Cyperus conglomeratus* Rottb.

Abyan

*Cyperus leavigatus* L

Abyan,

*Cyperus rotundus* L.

Yabraq-Alwadheea, Abyan,  
Modia,  
*Scirpus maritimus* L.

Abyan

**Cynomoraceae:**  
*Cynomorium coccineum* L.

Yabraq-Alwadheea,

**Dipsaceae:**

*Cordia myxa* L

Abyan in the wadis

**Dracaenaceae:**

*Dracaena ombet* Kotschy & Peyr.  
Yabraq-Alwadheea, Modia, Lawder  
*Dracaena serrulata* Baker .

Modia, Lawder, Yafaa

*Sansevieria ehrenbergii* Schweinf.  
ex Bak

Yabraq-Alwadheea, Lawder, Yafaa  
*Sansevieria forskaoliana* (Schult.  
f.) Hepper & J. R. I. Wood

(syn. *S. abyssinica* N. E. Br, *S.*  
*quinensis* Willd.).

Yabraq-  
Alwadheea, Abyan, Lawder, Yafaa

**Euphorbiaceae:**

*Acalypha fruticosa* (Forssk.)

Yabraq-  
Alwadheea, Lawder, Modia, Yafaa

*Acalypha indica* R

Abyan,	Lawder, Modia
<i>Chrozophora oblongifolia</i> (Del.).Juss	<i>Euphorbia granulata</i> Forssk. var. granulate
Abyan, Lawder, Modia	Yabraq-Alwadheea, Abyan, Lawder, Modia
<i>Chrozophora plicata</i> (Vahl.) A.Juss.ex.Spreng	<i>Euphorbia greuteri</i> N. Kilian, Kürschner & P. Hein
Abyan,	Al Arays, Yabraq-Alwadheea
<i>Chrozophora tincotora</i> (L.) A.Juss.,	<i>Euphorbia hirta</i> L.
(syn. <i>C. obliqua</i> (Vahl.)Juss ex Spreng).	Yabraq-Alwadheea, Abyan, Lawder, Yafaa
Lawder, Modia	<i>Euphorbia hadramautica</i> Bak
<i>Euphorbia ammak</i> Schweif	Yabraq-Alwadheea
Lawder,	<i>Euphorbia helioscopia</i> L.
<i>Euphorbia arabica</i> Hochst. & Steud. ex Boiss	Abyan,
Abyan,	<i>Euphorbia heterophylla</i> L
<i>Euphorbia balsamifera</i> Ait. subsp. adenensis (Defl.) Bally	Abyan
Yabraq-Alwadheea, Lawder, Modia, Yafaa	<i>Euphorbia hypericifolia</i> L.
<i>Euphorbia cactus</i> Ehrenb ex . Boiss	Abyan,
Lawder, Modia, Yafaa,	<i>Euphorbia indica</i> Lam.
<i>Euphorbia cuneata</i> Vahl subsp. Cuneate	(syn. <i>E. rosea</i> Retzius)
Lawder, Modia, Abyan, Yabraq- Alwadheea.	Yabraq-Alwadheea
<i>Euphorbia dracunculoides</i> Lam.	<i>Euphorbia inarticulata</i> Schweinf.
<i>Euphorbia fruticosa</i> Forssk	Yabraq-Alwadheea, Modia, Abyan, Yafaa
(syn. <i>E. officinalis</i> Forssk.).	<i>Euphorbia larica</i> Boiss.
	Yabraq-Alwadheea
	<i>Euphorbia longituberculosa</i> Hochst

- Lawder, Modia  
*Euphorbia peplus* L.
- Lawder,  
*Euphorbia schimperi* Presl.
- Yabraq-Alwadheea, Lawder, Modia  
*Euphorbia serpens* Kunth
- Yabraq-Alwadheea  
*Euphorbia triaculeata* Forssk
- Lawder, Modia  
*Jatropha glauca* Vahl.  
 (syn. *J. lobata* (Forssk.) Muell. Arg.)
- Abyan, Yabraq-Alwadheea, Lawder, Modia, Yafaa  
*Jatropha pelargonifolia* Courb.  
 (syn. *J. villosa* (Forssk.) Muell.-Arg., *J. glandulosa* Vahl).
- Yabraq-Alwadheea, Lawder, Modia, J. Alareys  
*Jatropha spinosa* Vahl
- Abyan, Yabraq-Alwadheea, Lawder, Mudiya, Yafaa  
*Jatropha villosa* (Forsk) Mull-Arg.  
 J. Alareys, Lawder, Modia, Yafaa
- Micromera mbricatel* (Forssk.) Christen.  
 Yabraq-Alwadheea,
- Phyllanthus fraternus* Webster us maderaspatensis.L.
- Lawder, Abyan,  
*Rhynchosia memnonia* (Del.) Dc.
- Lawder,  
*Ricinus communis* L
- Lawder, Modia, Abyan, Yafaa,  
*Tragia pungens* (Forssk . Muell. Arg.  
 (syn. *T. arabica* (Baill. ex Muell.-Arg., Prain, *T. maamarensis* Baill.).
- Modia  
**Fabaceae:**  
*Alhagi maurorum*. Medik
- Lawder,  
*Alhagi graecorum* Boiss.  
 (syn. *A. maurorum* Medik.).
- Abyan, yabraq-Alwadheea  
*Arachis hypogaea* L.  
 Cultivated
- Cadia purpurea* (Picc.) Ait.  
 (syn. *C. varia* L'Herit.).
- Yabraq-Alwadheea, Modia, Lawder  
*Crotalaria incana* L.  
 Yabraq-Alwadheea, Lawder, Modia,  
*Crotalaria persica* (Burm.f.)  
 Yabraq-Alwadheea,

<i>Crotalaria retusa</i> L.	<i>Indigofera semitrijuga</i> forssk
weed in Yafaa, Abyan,	Abyan, Yafaa,
<i>Crotalaria saltiana</i> Andr.	<i>Indigofera spiniflora</i> Boiss.
Yabraq-Alwadheea, Modia,	Modia, Lawder,
Lawder, Yabraq-Alwadheea,	<i>Indigofera spinosa</i> Forssk.
<i>Delonix elata</i> (L.)	Yabraq-alwadheea, Modia, Lawder,
Abyan,	<i>Indigofera tinctoria</i> L
<i>Dolichos lablab</i> L	Lawder, Modia, Abyan,
Modia	<i>Indigofera volkensii</i> Taub.
<i>Flemingia congesta</i> ,	Abyen near Jahin
Yafaa	<i>Louts garcinii</i> DC.
<i>Indigofera arabica</i> Jaub& Spach	Yabraq-Alwadheea
Yabraq-Alwadheea	<i>Medicago laciniata</i> .(L.)Mill.
<i>Indigofera articulata</i> Gouan	Modia, Lawder
Yabraq-Alwadheea, Abyan,	<i>Medicago sativa</i> .L
<i>Indigofera coerulea</i> Roxb. var.	Cultivated
<i>coerulea</i>	<i>Melialotus officinalis</i> (l.)pall
Yabraq-Alwadheea, Abyan, Modia	Yabraq-Alwadheea
<i>Indigofera hochstetteri</i> Bak	<i>Ormacarpum yemenense</i> Gillett
(syn. <i>I. anabaptista</i> Steud.).	(syn. <i>O. bibracteatum</i> E.G.Baker)
Yafaa, Abyan,	Yabraq-Alwadheea
<i>Indigofera oblongifolia</i> Forssk.	<i>Phaseolus vulgaris</i> L
(syn. <i>I. desmodioides</i> E.G.Baker.).	Cultivated
Yabraq-	<i>Rhynchosia memnonia</i> (Del.)Dc.
alwadheea, Abyan, Modia, Lawder,	(syn. <i>R. minima</i> var. <i>memnonia</i>
Yafaa	(Del.)Cooke).
<i>Indigofera phillipsiae</i> Bak.f.	Yabraq-Alwadheea
Abyan,	

*Rhynchosia minima* (L.) DC. var.  
*prostrata* (Harv.) Meikle

Yabraq-Alwadheea

*Sesbania grandiflora* (L.)Poir.

Modia

*Sesbania pachicarpa* DC.

Yabraq-Alwadheea,Modia

*Sesbania sesban* (L.)Merrill

(syn. *S. punctata* DC.)

*Tephrosia nubica* (Boiss.) Baker

(syn. *T. pogonostigma* Boiss)

Abyan,

*Tephrosia purpurea* (L.)pers.  
subsp. *apollinea* (Delile) Hosni &  
El- Karemy

Yabraq-Alwadheea,Abyan,

*Vigna unguiculata* (L.)Walp

Abyan,

### **Geraniaaceae:**

*Erodium ciconium* (L.)LHer.

(syn. *Geranium cicutarium* L.).

Lawder, Modia

*Geranium ocellatum* jacq ex.Cam

(syn. *G. muscatense* Boiss).

Yabraq-Alwadheea

*Monsonia helitropoides*  
(Cav.)Boiss

Yabraq-Alwadheea

### **Hydnoraceae:**

*Hydnora johannis* Becc.

(syn. *H. abyssinica* A.Br. ex  
Schweinf.).

Parasitic on *Acacia* spp

Yabraq-Alwadheea, Lawder,Modia

### **Lamiaceae:**

*Endostemon tenuiflorus* (Benth.)

M. Ashby

(syn. *Orthosiphon tenuiflorus*  
Benth.).

Yabraq-Alwadheea,

*Lavandula pubescens* Decne.  
Benth

Yabraq-Alwadheea, Lawder,Yafaa,

*Leucas alba* (Forssk.) Sebald

(syn.*L. royleoides* (Benth.)Guer,  
*Ballota forskahlei* Benth.

*Lasiocorys arabica* Jaub. &  
Spach.).

Yabraq-Alwadheea,Modia

*Leucas artificiofolia* (Vahl) Sm. var.  
*urticifolia*

Yabraq-  
Alwadheea,Modia,Lawder,

*Leucas inflata* Benth

Abyan,Lawder,Modia

*Marrubium vulgare* L.

Yabraq-Alwadheea,



<i>Mentha longifolia</i> (L.)L.	Yafaa,
(syn. <i>M. sylvestris</i> L.)	<i>Plectranthus comosus</i> Sims
Modia, Abyan,	Lawder, Modia
<i>Mentha piperite</i> L.	<i>Salvia areysiana</i> Defl
Modia	Al Maraqisha (Abyen), J. Al Arayis
<i>Nepeta deflersiana</i>	<i>Teucrium yemense</i> Defl.
Schweinf.exHedge,	Yabraq-Alwadheea,
(syn. <i>N. rugosa</i> Benth.).	Modia, Lawder
Lawder, Modia	<b>Liliaceae:</b>
<i>Ocimum basilicum</i>	<i>Allium cepa</i> L.
L.var.purpurascens Benth.	Cultivated
Yabraq-Alwadheea	<i>Allium porrum</i> L
<i>Ocimum filamentosum</i> Forssk.	Cultivated
Yabraq-Alwadheea,	<i>Allium sativum</i> L
<i>Ocimum forskolei</i> Benth.	Cultivated
(syn. <i>O. gratissimum</i> Forssk., <i>O. hadiense</i> Forssk., <i>O. menthifolium</i> Hochst. ex Benth.).	<b>Longaniaceae:</b>
Lawder, Modia, Yafaa,	<i>Buddleia polystachya</i> Fresen
<i>Origanum syriacum</i> L .	Lawder,
Lawder, Modia	<b>Loranthaceae:</b>
<i>Otostegia fruticosa</i>	<i>Loranthus acaciae</i> Zucc
(forssk.)schweinf ex penzig	Abyan, Yafaa
(syn. <i>O. repanda</i> Benth., <i>O. scariosa</i> Benth).	<i>Oncocalyx doberae</i> (Schweinf.) G.
Yabraq-Alwadheea	R. L. Wood.
<i>Plectrantus barbatus</i> Andr.	(syn. <i>Loranthus doberae</i> Schweinf.).
(syn. <i>Coleus barbatus</i> (Andr.)Benth.).	Lawder, Modia, Yabraq-Alwadheea

*Plicosepalus*  
*acacia*(Zucc.)Wiens&Polhil.

(syn. *Loranthus acaciae* Zuce., L.  
*arabicus* Deflers,

*Tapinostemma acaciae*  
(Zucc.)Tiegh).

Yabraq-Alwadheea, Yafaa,

**Loasaceae:**

*Kissenia arabica* R.Br.&Chiov

Yabraq-Alwadheea,

**Lythraceae:**

*Lawsonia inermis* L

(syn. *L. alba* Lam.).

Cultivated

**Malvaceae:**

*Abelmoschus* *esculentus*  
(L.)Moench

Cultivated

*Abutilon fruticosum* Guill. & Perr

Yabraq-Alwadheea, Abyan

*Abutilon pannosum* (Forrsk.)  
Schlechtl

(syn. *A. muticum* (Del.)Webb).

Yabraq-  
Alwadheea, Abyan, Lawder, Modia

*Gossypium areysianum* DEFL. J .

J. Al Arayes, Abyen

*Gossypium barbadense* L.

Cultivated

*Gossypium nanking* Meyen

Cultivated

*Hibiscus meidiensis* Ulbr

Lawder, Modia

*Hibiscus rosa -sinensis* L

Cultivated as ornamental

*Hibiscus subshariffa* L.

Abyan

*Hibiscus vitifolius* L.

Yabraq-Alwadheea, Abyan, yafaa

*Malva praviflora* L.

Lawder, Modia, Abyan

*Malva rotundgoha* L

Lawder,

*Pavonia arabica* Hochst. ex Boiss

Al Faydh(Abyen),

*Pavonia triloba* Guill.&Per

Lawder, Modia, Abyan,

*Senra incana* (Cav.) DC.

Yabraq-Alwadheea, Abyan,

*Sida alba* L.

(syn. *S. spinosa* L.)

Yabraq-Alwadheea,

*Sida cardifolia* L

Yabraq-Alwadheea,

*Thespesia populnea* (L.) Solender  
ex.corre

Introduced and naturalized as a  
road side

**Meliaceae:**

*Azadirachta indica* A. Juss.

Introduced and naturalized as a  
roadside

and shadeTree

*Trichilia emetica* (Forssk)

(syn. *T. roka* (Forssk.) Chiov.).

Abyan, Yafaa,

**Mimosaceae:**

*Acacia asak* (Forssk.) Willd.

(syn. *A. glaucophylla* Steud.).

Yabraq-Alwadheea, Abyan,  
Lawder, Modia, Yafaa

*Acacia edgeworthii* T. Anders

(syn. *A. hunteri* Oliver).

Abyan, J. Al Arayes

*Acacia etbaica* Schweinf. subsp.  
uncinata Brenan

Abyan, Yafaa, Lawder, Modia

*Acacia ehrenbergiana* Hayne

Yabraq-Alwadheea, Abyan, Yafaa,

*Acacia hamulosa* Benth.

Yabraq-Alwadheea, Abayn, Lawder

*Acacia mellifera* (Vahl.) Benth.

Yabraq-Alwadheea, Yafaa, Abyan,

*Acacia nilotica* (L.) Willd. ex  
Delile subsp. *indica* (Benth.)  
Brenan

(syn. *A. arabica* (Lam) Willd,  
*Mimosa sejal* Forssk.).

Yabraq-Alwadheea, byan, Yafaa,

Lawder, Modia

*Acacia oerfota* (Forssk.) Schweinf

(syn. *A. nubica* Benth.).

Abyan,

*Acacia seyal* Del

Abyan,

*Acacia tortilis* (Forssk.) Hayne  
Hayne subsp.

(syn. *A. spirocarpa* Hochst. ex A.  
Rich car. *Crenata* Chiov.)

Yabraq-Alwadheea, Lawder,  
Modia, Abyan, Yafaa

*Albizia lebeck* (L.) Benth

Introduced planted as ornamental

*Pithecellobium dulce*  
(Roxb.) Benth.

Introduced: road sides

*Prosopis cineraria* (L.) Druce

(syn. *P. spicigera* L.)

Yabraq-Alwadheea,

*Prosopi juliflora* (Sw.) DC.

Yabraq-Alwadheea, Lawder, Modia

**Molluginaceae :**

*Corbichonia decumbens* (Forssk.)  
Exel

Yabraq-Alwadheea,

*Glinus lotoides* L.

Yabraq-Alwadheea,

**Moraceae:**

*Dorstenia foetida*  
(Forssk.)Schweinf. & Engl

(syn. *D. radiata* Lam., Kosaria  
*foetida* Forssk.)

Lawder,

*Ficus carica* L.,

Lawder, Modia

*Ficus cordata* L.

(syn. *F. ambigum* Forssk., *F.*  
*salicifolia* (vahl)Berg. )

Yabraq-Alwadheea, Lawder,  
Modia, Abyan,

*Ficus populifolia* Vahl.

Lawder,Abyan,

*Ficus salicifolia* Vahl.

Abyan,

*Ficus sycomorus* L.

(syn. *F. chanas* Forssk.)

Yabraq-Alwadheea, Lawder, Abyan

*Ficus vasta* (Forssk.)

Yabraq-Alwadheea, Yafaa, Abyan,

**Moringaceae:**

*Moringa peregrine* (Forssk.) Fiori

Abyan,

**Musaceae :**

*Musa paradisiaca* L

Cultivated

**Myrtaceae:**

*Eucalyptus camaldulensis* Dehnh

Introduced

*Eucalyptus grandis*  
(Hill)ex.Maiden

Introduced

*Myrtus communis* L.

Cultivated in Yafaa

*Psidium guajava* L.

Cultivated.

**Nyctaginaceae:**

*Boerhavia diffusa* L.

(syn. *B. ascendens* Willd., *B.*  
*repens* L. var. *diffusa* L, *B.*  
*coccinea* Mill. , *B. diffusa* var.  
*viscosa* (Lag. & Rod)Heim.  
*Commicarpus coccinea* Mill.  
Lahg.).

Yabraq-Alwadheea, Abyan, Modia

*Boerhavia elegans* Choisy

Yabraq-Alwadheea, Abyan,

*Boerhavia erecta* L

Yabraq-Alwadheea, Modia  
*Boerhavia repens* L  
 (syn. *B. diandra* L., *B. repens* L.  
 var. *glabra* Choisy)  
 Modia, Lawder,  
*Bougainvillea spectabilis* (Willd)  
 Cultivated as ornamental  
*Commicarpus ambiguus* Meikle,  
 Modia, Lawder,  
*Commicarpus boissieri* ( Heim.)  
 Cuf  
 (syn. *Boerhavia boissieri* Heimerl).  
 Modia  
*Commicarpus helenae*  
 (J.A.Scholtes)Meikle  
 (syn. *Boerhavia helenae* Schultes,  
*Commicarpus stellatus*  
 (Wight)Berhaut).  
 Abyan,  
*Commicarpus mistus* Thulin  
 Modia, Lawder,  
*Commicarpus pedunculatus*  
 (A.Rich. )Cuf  
 (syn. *Boerhavia pedunculosa*  
 A.Rich.).  
 Abyan,  
*Commicarpus plumbagineus* ( Cav  
 . ) Standl  
 (syn. *Boerhavia dichotoma* Vahl.  
*B. plumbaginea* Cav. *B.*

*plumbaginea* Cav. var. *dichotoma*  
 (Vahl)Aschers. & Schweinf., *B.*  
*plumbaginea* Cav. var.*glabrata*  
 Boiss., C. verticillatus  
 (Poiret)Stand. ).

Modia, Lawder,

### **Ochnaceae:**

*Ochna inermis* (Forssk.)Schweinf  
 (syn. *Euonymus inermis* Forssk., *O.*  
*parvifolia* Vahl)

J.A lareys,

### **Oleaceae:**

*Jasminum grandiflora* L.

(syn. *J. floribundum* R.Br. ex Fres).

Abyan, Yafaa,

*Jasminum sambac* (L.)Ait

Cultivated

*Olea africana* MILL. J.,

Upper Abyan. J. Alareys

### **Orobanchaceae:**

*Cistanche phelypaea* (L.) Cout.

(syn. C. tubulosa  
 (Schenk.)R.Wight).

Yabraq-  
 Alwadheea, Yafaa, Modia, Lawder

*Cistanche rosea* E.G.Baker

Yabraq-Alwadheea,

*Orobanche cernua* Loefl

Modia, Lawder, Abyan,





Yabraq-Alwadheea, Cenchrus ciliaris L. (syn. <i>Pennisetum cenchroides</i> Pers., <i>P.ciliaris</i> (L.)Link.).	<i>Dichanthium annulatum</i> (Forssk.) Stapf.
Yabraq-Alwadheea, Abyan, Lawder, Yafaa	Modia, Lawder, <i>Dichanthium foveolatum</i> (Del.)Roberty
<i>Cenchrus pennisetiformis</i> Hochst.ex Steud.	(syn. <i>Eremopogon foveolatus</i> (Del.)Stapf).
Abyan,	Abayn,
<i>Cenchrus setigerus</i>	<i>Echinochloa colona</i> (L.) Link.
Yabraq-Alwadheea,Abyan	Yabraq-Alwadheea,Abyan,Lawder
<i>Chloris barbata</i> Sw.	<i>Echinochloa crus-galli</i> (L.)P.Beauv
Yabraq-Alwadheea, Abyan, Lawder, Yafaa	Abyan
<i>Cymbopogon schoenanthus</i> (L.) Spreng.	<i>Eragrostis barrelieri</i> Dav.
Yabraq-Alwadheea, Abyan, Modia	Modia, Abyan
<i>Cynodon dactylon</i> (L.) Pers.	<i>Eragrostis ciliaris</i> (L.) R. Br.
Yabaq- Alwadheea,Abyan,Yafaa,Modia,L awder,	Yabraq-Alwadheea,Abyan, <i>Eragrostis papposa</i> (Roem. et Schult.) Steud.
<i>Dactyloctenium aegyptiacum</i> (L.) Willd.	Yabraq-Alwadheea,abyan, <i>Halopyrum mucronatum</i> (L.)Stapf
Yabraq-Alwadheea,Abyan,Lawder	Lawder,
<i>Dactyloctenium scindicum</i> Boiss. (syn. <i>D. glaucophyllum</i> Courb.).	<i>Hordeum vulgare</i> L Cultivated.
Yabraq-Alwadheea,Abyan	<i>Leptotherim senegalense</i> (Kunth)W.D.Clayton
<i>Desmostachya bipinnata</i> (L.) Stapf.	(syn. <i>Latipes senegalensis</i> (Gay)Kunth.).
Abyan,	Abyan

*Panicum turgidum* Forssk.  
 Yabraq-Alwadheea, abyan,  
*Paspalum dilatatum* Poir.  
 Modia  
*Pennisetum glaucam* (L.)R.Br  
 (syn. *P. typhoides* (Burm.f.)Stapf.  
 & Hobb.).  
 Modia, coastal areas  
*Phealaris minor* Retz.  
 Yabraq-Alwadheea,  
*Odyssea mucronata* (Forssk.)  
 Stapf.  
 Abyan, Yabraq-Alwadheea, Modia,  
 Lawder  
*Setaria barbata* (Lam.) Kunth.  
 Yabraq-Alwadheea, Abyan,  
*Sorghum bicolor* (L.)Moench  
 Cultivated.  
*Sporobolus comsimilis* Fresen  
 Modia  
*Sporobolus spicatus*(Vahl)Kunth  
 Yabraq-Alwadheea, Abyan,  
 Lawder, Yafaa,  
*Stipagrostis hirtigluma* (Steud. ex  
 Trin. & Rupr.)De Winter  
 Yabraq-Alwadheea,  
*Stipagrostis paradisea* (Edgew.)de  
 Winter  
 Modia, Abyan

*Tetrapogon villosus* Desf.  
 Yabraq-Alwadheea, Abyan,  
*Tragus berteronianus* Schult  
 Yabraq-Alwadheea, Modia  
*Tragus racemosus* (L.)All.  
 . Yabraq-Alwadheea, Modia  
*Tragus berteronianus* Schult  
 Abyan,  
*Zea mays* L .  
 Cultivated  
**Polygalaceae:**  
*Polygala abyssinica* R.Br. ex  
 Fresen  
 Yafaa  
*Polygala erioptera* DC  
 (*P. thurmanniana* Chodat).  
 Abyan, Modia, Lawder,  
*Polygala irregularis* Boiss  
 Abyan  
**Polygonaceae:**  
*Calligonum comosum* Herit.  
 (syn. *Polygonoides* subsp.  
*Comosum* (L Her)Sosk.)  
 Yabraq-Alwadheea,  
*Polygonum amphibium* L.  
 Abyan,  
*Polygonum aviculara* L.

Abyyan

*Rumex nervosus* Vahl

Modia, Lawder, Yafaa

*Rumex vesicarius* L.

Yabraq-

Alwadheea, Abyan, Lawder, yafaa

**Portulacaceae:**

*Portulaca grandiflora*

Lawder

*Portulaca oleracea* L. subsp.

Oleracea

Abyan, Lawder, Modia

*Portulaca quadrifida* L.

(syn. *P. hareschata* Forssk., *P. imbricata* Forssk., *P. linifolia* Forssk.)

Abyan, Yafaa, Modia

**Primulaceae:**

*Anagallis amensis* L

Yafaa,

*Primula verticillata* Forsk.

Abyan,

**Punicaceae:**

*Punica granatum* L.

Cultivated.

**Resedaceae;**

*Ochradenus baccatus* Del.

(syn. *O. baccatus* Del. var. *monstrosa* Muell., *O. baccatus* Del.

var. *scandens* Hochst. & Steud. Ex Muell)

Abyan, Modia, Lawder, Yafaa

*Reseda sphenocleoides* Defl

Yabraq-Alwadheea, Abyan, Modia, Lawder, yafaa

**Rhamnaceae:**

*Berchemia discolor* ( Klotzsch) Hemsl. L

(syn. *phyllogeiton discolor* (Klotzsch)Herzog).

Lawder

*Phyllogeiton discolor*(Klotzsch) Herzog.

Modia

*Zizaphus spina-Christi* (L.) Desf.

Yafaa, Lawder,

Modia, Abyan, Yabraq-Alwadheea

**Rubiaceae:**

*Breonadia salicina* (Vahl) Hepper & J. R. I. Wood

(syn. *B. microcephala* (Del.)Ridsd. *Adina microcephala* (Del.)Hiern.).

Yabraq-Alwadheea

*Coffea arabica* L.

Cultivated in Yafaa

*Pavetta longiflora* Vahl subsp. *Longiflora*

(syn. *P. arabica* Brenek, *P. deflersii* Bremek.).

Yabraq-Alwadheea

*Pentas*

*lanceolata* (Forssk) Benth & Hook.

Yabraq-Alwadheea

*Tarenna graveolens* (S. Moore)

Bremek. *subsp. arabica* (Cuf.)

Bridson

Yabraq-Alwadheea

Rutaceae:

*Citrus aurantiifolia* (Christm.)

Swingle

Cultivated

*Citrus deliciosa* Ten

Cultivated

*Citrus limon* (L.) Burm.f.

Cultivated

*Citrus sinensis* (L.) Osbeck .

Cultivated

*Ruta chalepensis* L

Lawder,

**Salvadoraceae:**

*Dobera glabra* (Forssk.) Poir

Yabraq-Alwadheea

*Salvadora persica* L.

J. Alareys, Abyan, Modia, Lawder,

Yafaa, Yabraq-Alwadheea

**Sapindaceae:**

*Dodonaea viscosa* (L.) Jacq

(syn. *D. angustifolia* L.f.)

Mudiyah, Lawder, Abyan, J.

Alareys,

*Sapindus saponaria* L.

Abyan,

**Scrophulariaceae:**

*Anticharis glandulosa* Asch

Modia, Lawder, Abyan

*Anticharis linearis* (Benth.) Hochst.  
ex Asch.

Abyan

*Aptosimum pumilum*  
(Hochst.) Benth.

Yabraq-Alwadheea, Lawder, Yafaa

*Bacopa monniera*  
Hayata & Matsum

Abyan, Modia, Lawder

*Kickxia pseudoscoparia*  
D.A. Sutton

Abyan,

*Kickxia qaraticus* D.A. Sutton.

Abyan

*Schweinfurthia pedicellata*  
(T. Anders.) Benth. et Hook

(syn. *Anarrhinum pedicellatum*  
T. Ander., *A. apterum* Vatke, *A.*

*pedicellare* Bentham,

*Schweinfurthia pedicellaris*  
(T. Ander.) Wetts.).

Abyan,	<i>Nicotiana tabacum</i> L.	
<i>Scrophularia arguta</i> Sol.	Cultivated	
Yabraq-Alwadheea	<i>Physalis minima</i> L.	
<i>Striga asiatica</i> (L)Kuntze.	Yabraq-Alwadheea	
Yabraq-Alwadheea, Yafaa,	<i>Physalis angulata</i> L.	
<i>Striga angustifolia</i> (D. Don.) C. J. Saldanha	Yabraq-Alwadheea	
Yabraq-Alwadheea	<i>Solanum cordatum</i> Forssk	
<i>Striga hermonthica</i> (Del.)Benth.	Yabraq-Alwadheea, Abyan,	
Yabraq-Alwadheea, Modia, Lawder	<i>Solanum coagulans</i> Forssk	
<i>Veronica polita</i> Fries	Yabraq-Alwadheea, Abyan	
Modia	<i>Solanum forsskali</i> Dunal	
<b>Solanaceae:</b>	Modia, Lawder,	
<i>Capsicum annum</i> L.	<i>Solanum glabraatum</i> Dunal	
Cultivated	Yabraq-Alwadheea.	
<i>Capsicum frutescens</i> L	<i>Solanum incanum</i> L	
Cultivated	Yabraq-Alwadheea, Abyan,	
<i>Datura innoxia</i> Mill.	Lawder, Modia, Yafaa	
Yabraq-Alwadheea, Abyan, Modia	<i>Solanum melongena</i> L.	
<i>Datura stramonium</i> L.	Cultivated	
Yabraq-Alwadheea, Yafaa, Modia	<i>Solanum nigrum</i> L.	
<i>Lycium shawii</i> Roem. et Schult.	Yabraq-Alwadheea, Abyan,	
(syn. <i>L. arabicum</i> Schweinf., <i>L. persicum</i> Miers).	Modia, Lawder, Yafaa	
Yabraq-Alwadheea, Yafaa, Abyan, Modia	<i>Solanum sepicula</i>	
<i>Lycopersicon esculentum</i> Mill	Modia, Yafaa,	
Cultivated	<i>Solanum tuberosum</i> L	
	Cultivated.	
	<i>Solanum unguiculamm</i> A. RICH	

Yafaa, Abyan

*Solanu villosum* . Mill

Modia, Yabraq-Alwadheea,  
Lawder, Abyan, Yafaa

*Withania somnifera* (L.) Dunal.

Modia, Abyan, Lawder, Yabraq-  
Alwadheea, Yafaa

**Sterculiaceae:**

*Hermannia paniculata* Franch

, J. Alareys,

*Melhanian ovata* (Cav.) Spreng

Lawder

*Melhanian stipulosa* J.R.I. Wood

Yafaa

*Sterculia africana* (Lour.) Fiori

(syn. *S. triphaca* R.Br.)

Yabraq-  
Alwadheea, Abyan, Lawder, Yafaa

**Tamaricaceae:**

*Tamarix aphylla* (L.) Karst

(syn. *T. articulata* Vahl, *T.*  
*orientalis* Forssk.).

Frequent in many localities of  
Abyan Gov.

*Tamarix arabica* Bunge

Frequent in many localities. of  
Abyan Gov

*Tamarix nilotica* (Ehrenb.) Bunge

Frequent in many localities. of  
Abyan Gov

**Tiliaceae:**

*Corchorus depressus* (L.) Stocks

Yabraq-Alwadheea, Abyan,  
yafaa, Modia, lawder

*Corchorus olitorius* L.

Cultivated

*Corchorus tridens* L.

Abyan, Modia

*Corchorus trilocularis* L.

Abyan, yabraq-Alwadheea, Modia,  
lawder, Yafaa

*Grewia erythraeae* Schweinf.

Abyan, Modia, Lawder

*Grewia velutina* (Forssk.) Vahl

Yabraq-Alwadheea, Modia, Lawder

*Grewia tenax* (Forssk.) Fiori

Yabraq-Alwadheea, Abyan, Yafaa,

**Typhaceae:**

*Typha domingensis* pers

(syn. *T. angustata* Bory & Chaub.)

Abyan,

**Urticaceae:**

*Forskohlea griersonii* A. Miller

J. Al Arays , Abyan,

*Forskohlea tenacissima* L

(syn. *Caidbeja adhaerens* Forssk.)

Yabraq-Alwadheea, Modia, Lawder

**Verbenaceae:**

*Lantana camara* L.

Introducerd, Gardens, Road sides & neglected areas

*Lantana viburnoides* (Forssk.) Vahl

Modia

*Phyla nodiflora* (L.) Greene.

(syn. *Lippia nodiflora* (L.) A. Rich.).

Lawder, Modia, Abyan,

**Vitaceae:**

*Cissus quadrangularis* L.

(syn. *Vitis quadrangularis* Wall.)

Yabraq-Alwadheea, Abyan, Yafaa, Modia, Lawder

*Cissus rotandifolia* (Forssk.) Vahl.

Yabraq-Alwadheea, Abyan, Yafaa, Modia, Lawder

*Cyphostemma ternatum* (Forssk.) Descoing

(syn. *Cissus ternatua* (Forssk.) Gmel.)

Abyan,

**Zygophyllaceae:**

*Fagonia arabica* L.

Abyan,

*Fagonia cretica* L.

Abyan,

*Fagonia hadramautica* Beier & Thulin

Yabraq-Alwadheea,

*Fagonia indica* Burm. f.

(syn. *F. parviflora* Boiss.).

Yabraq-Alwadheea, Abyan, Modia, Lawder

*Fagonia schweinfurthii* Hadidi

Abyan,

*Peganum harmala* L.

Lawder, Modia, Abyan

*Seetzenia lanata* (Willd.) Bull.

Yabraq-Alwadheea,

*Tribufus arabicus* H. HOSNI

Abyan,

*Tribulus bimucronatus* Viv

(syn. *T. spurius* Kralik.).

Lawder,

*Tribulus pentandrus* Forssk

Abyan,

*Tribulus terrestris* L.

Yabraq-Alwadheea, Abyan, Modia, Lawder,

*Tetraena alba* (L. F.) Beier & Thulin

Yabraq-Alwadheea,



*Tetraena simplex* (L.) Beier & Thulin(syn. *Zygophyllum simplex* L.

Yabraq-Alwadheea,  
Modia, Lawder,

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