

# JORDAN

## *The Black Iris*

### A Greentours Tour Report

March 23rd – April 5th 2015

Led by Oron Peri

#### **Day 1 March 23<sup>rd</sup> - Arrival**

The group arrived into Amman Airport in the late evening and transferred to the Mariam Hotel in Madaba where we had late dinner.

#### **Day 2 March 24<sup>th</sup> - Madaba to Jerash through As-Salt**

We started the day with a visit to the church in the center of Madaba in order to see the well-known Mosaic floor at the Orthodox St. George church. First botanical stop was just as we left the city on our way to Mt. Nebo. This area is basically terra-rossa with hard limestone, in between the rocks there was already a good selection of plants: two species of *Ornithogalum*; *Ornithogalum narbonense* and many bluish leaved *Ornithogalum neurostegium*. Three species of *Adonis*; *Adonis palaestina* with its large shiny red flowers, *Adonis macrocarpa* and the lovely yellow flowering *Adonis dentata*. Many *Anemone coronaria* in its red form and *Ranunculus asiaticus* are growing in patches all around the hill. Also two species of *Allium*; creamy *Allium israeliticum* and white colored *Allium neapolitanum* var *palaestinum*.

Then a visit to Mt. Nebo situated a ten minute drive from the center of the city, with a fantastic view of The Great Rift Valley, Dead Sea and Judean Mountains, while inside the site we have found many *Hyoscyamus aurea* in bloom and deep purple *Roemeria hybrida* many small, red *Papaver hybridum* and the lovely, slender *Leopoldia longipes*, a form used to be named in the past *Leopoldia deserticola*.

After this visit we have started our journey, going down to the Jordan Valley, descending from 800m above sea level down to 280 under sea-level. Habitat changes rapidly to become a dry, warm desert

We have made another stop in a north facing rocky steppe few km under Mt. Nebo, where easily we have found a very nice selection of flowers, the two species of *Gladiolus*; *Gladiolus atropurpurea* and *Gladiolus italicus*, lovely *Senecio glaucus* and two surprises, *Arum palaestinum* and *Eminium spiculatum* both in flower. We reached the Jordan Valley to take the road east through Wadi Shweb all the way up to As-Salt, a sister municipality to Amman the capital.

Next stop was as we entered Wadi Shweb, home in its lower part to some representatives belonging to the 'dry tropical plants'. Originating in Sudan in Africa, these plants have climbed up along the Great Rift to thrive in the hottest parts of the deserts. Probably the most impressive plant belonging to this group is *Calotropis procera* known also as 'Sodom Apple' a shrub with big rounded leaves and puffed, apple like fruits. Other trees growing around are *Acacia raddiana*, *Ziziphus spinacristi*, *Tamarix jordanis* and *Moringa peregrina*. Here we have also found the wild Watermelon, *Citrullus colocynthis* and *Commicarpus africanus* with its nice white flowers. And quite a few Rough-tailed Rock Agamas sitting on top of the boulders.

All along the water canals are many *Arundo donax* and the lovely *Mentha longifolia* in full bloom. The north facing slopes were densely carpeted with seasonal flowers of all kinds and colours, a sight that occurs after receiving good rains, while on the streamside are many birds in particular many noisy White-spectacled bulbuls. Next stop was at a higher point where we found many dark purple *Iris haynei* in their full glory.

After a late picnic lunch we continued toward Jerash and arrived at the end of the day to our Olive Branch Hotel still in time to see the beautiful view surrounding it.

### **Day 3 March 25<sup>th</sup> - Ajloun and the Eastern Desert**

After breakfast we headed north, the area is typical Mediterranean, dominated by *Quercus coccifera*, *Pinus halepensis*, *Arbutus unedo* and shrubs like *Cistus parviflora*. Along the way we could notice *Cyclamen persicum* blooming in various places. As the elevation is about 1000m above sea level the area is much cooler at the time of the year there for the early flowering species can be seen still.

We had a short stop at the highest point to take photos of the Ajloun Castle situated on the hills in front then as we got out of the city we had stopped in a forest dominated by *Quercus ithaburensis*, *Quercus coccifera* and *Pistacia palaestina*. The soil is a rich and fertile Terra Rosa. We have found some rarities, *Bellevalia longipes*, *Arabis vernalis* and *Tulipa agenensis*, quite a few Black kites flew above our heads.

Next stop was on the way to Mafrak entering the Eastern desert. Habitat changes rapidly; low, dry bare hills. Near a cultivated grain field we have found many blue-flowering *Ixiolirion*

*tataricum*, *Ornithogalum lanceolatum* and the blue flowering *Allium ascalonicum* and the beautiful *Astragalus emarginatus*.

We have decided to make our Picnic lunch in this area as it was very peaceful and full of birds and flowers. After lunch we headed toward a site close to the northern border of the country to see the rare *Iris bostrensis*, luckily we have found the colony in perfect conditions. It was time to go back to Jerash not before having another stop to see an intermediate form *Iris bostrensis* and *Iris nigricans* and at this site there were also *Anchusa tinctoria* and *Cynoglossum creticum*.

### **Day 4 March 26<sup>th</sup> – Wadi Rajeb**

This great Wadi [seasonal river] starts in the mountains of Ajloun where the Mediterranean climate is dominant and goes all the way down to the Jordan Valley which has desert conditions. Due to these climatic conditions Wadi Rajeb has a vast and rich flora.

We have spent the entire day around this area making quite a few stops along the way. Large colonies of *Cyclamen persicum* and *Anacamptis papilionacea* grow close to the road and many surprises can be found in the Olive groves.

As we reach the lower part of the wadi temperatures rise rapidly and semi desert species start to appear surrounded by masses of butterflies and other pollinators. This abundance of insects attracts many birds such as swallows, shrikes, bee-eaters and others. A half an hour walk up hill reveals a large colony of dark flowering *Iris haynei* which used to be called in the past *Iris giladensis*.

### **Day 5 March 27<sup>th</sup> – Wadi Orjan & Dibbin Forest**

Before breakfast a few members of the group went out of the hotel to the nearby *Pinus halepensis* forest for bird watching. Many Jays, Hooded Crows and Hoopoe can be seen and we were lucky to see a pair of Syrian Woodpeckers busy finding food for their youngsters.

After breakfast we headed directly to the Ajloun Castle which dominates the entire area and from the upper part it is possible to see the Jordan Valley and beyond the Samaria desert in the Galilee region.

From the castle we took the road that goes down from the mountains to the village of Orjan and went for a walk under the village which is surrounded by fantastic 'Bustan' the Arabic word for orchard with many fruits trees which have plenty of water from the nearby stream. A nice surprise was a pair of Palestinian Sunbirds again busy feeding.

I was still hoping to find a few *Iris bismarckiana* in bloom but they were over, however Kurt came back happy saying he found the very last one still in good condition. This species is really one of the most beautiful Oncoclytus iris and is very rare in Jordan.

After a picnic lunch we headed back and entered the Natural Reserve of Dibbin Forest where several species of Orchids can be seen. Unfortunately this area received very little rain that winter and the ground was very dry, still we have managed to find quite a few species all in small numbers. Of course we were very happy to find a couple of *Orchis galilea* in perfect condition.

## **Day 6 March 28<sup>th</sup> – Dead Sea, Karak to Petra**

We had an early breakfast as we had a long day ahead.

We left the green Mediterranean area driving toward the Capital Amman to turn west going down from about 1000m of elevation all the way down to the Dead Sea situated 427m under sea-level.

We had our first stop as we reached again the Jordan Valley where many *Acacia raddiana* trees are home to many birds. But a family of White-throated Kingfishers caught our eyes waiting for the amazingly colourful parents to come and feed them.

Next stop was at the Amman Beach on the coast of the Dead-Sea where we could take a bath and cover ourselves with the black-mud to follow by a great lunch at the local restaurant. The site attracts many Tristram's Grackles whose whistle can be heard from far away.

After lunch we have continued south to make a stop near one of the small sweet water springs to find tall *Epipactis veratrifolia* growing in this unexpected site. Difficult to believe that an orchid can grow in this area. Fan-tailed Ravens are very common along this road.

In the afternoon we arrived to Karak, where under the Karak Castle we have encountered stunning *Cistanche tubulosa* a yellow flowering parasitic plant and farther up many bulbous plants such as *Fritillaria persica*, *Allium ascersonianum*, *Allium qasyunense* all growing side by side.

## **Day 7 March 29<sup>th</sup> – Petra**

Our hotel is situated only few minutes from the site of Petra where we have spent the whole day. One should visit this site in order to realize this ancient town with its huge well known Treasury. We had a local guide for the first three hours then after lunch at the site's restaurant we have continued to look around looking for the plants and birds as well. A pair of Rock Thrush were making a nest in a small crevice above our heads. Sinai Rosefinches were quite common there.

Quite a few interesting plants are growing on site such as *Daphne linearifolia* and *Solanum siniacum* but the focal point were the many rare *Arum rupicola* in full bloom up in crevices which protected them from the goats and sheep.

### **Day 8 March 30<sup>th</sup> – Shobak , Danna & Ras- a –Naqeb**

During this day we have visited a few sites in the higher parts of the Edom Mountains. We have started by visiting a few ancient *Pistacia atlantica* estimated to be 900-1000 years old, a reminder that this area used to be dominated by the Mediterranean climate. In the site we have found two rarities, *Gagea libanotica*, which has white with pink areas flowers, and *Viola modesta* with tiny white flowers. From Shobak we headed to Danna natural reserve known for its marvelous sculptured mountains maculated with ancient *Juniperus phoenicea* trees. After a registration at the office of tourism on site we went for a walk inside the reserve.

The flora is fantastic and variable: *Arabis alpina* was in full bloom, yellow *Hyoscyamus desertorum*, and *Salvia multicaulis* in its green form, *Scrophularia xyllorrhiza*, *Globularia arabica* and quite a few bulbous plants. Chukar partridges are abundant here, many migrating birds and again large groups of Tristram's Grackles fly above us towards nearby villages.

After picnic lunch on site we headed toward Ras-a Naqeb, the highest point in the area looking on Wadi Araba underneath. We found the first *Iris petrana* in flower and a few *Tulipa systola*, rare *Eremurus spectabilis*, *Bellevalia mosheovii* and dark colored *Allium rothii*. A pair of Egyptian vulture flew at a lower elevation where we could easily watch them. We stopped for a tea in a nearby village than back to Wadi Musa.

### **Day 9 March 31<sup>st</sup> – Little Petra and Al-Baqa**

As we left Wadi Musa we stopped in a viewpoint to take photos of the area of Petra. The colours of the mountains are just beautiful at this time of the day. We were heading to Little Petra, a much smaller site but not less beautiful. Inside the small siq a few Oleanders were in bloom and in the shaded parts blue *Brunneria orientalis* in bloom together with two species of *Bellevalia*. Sinai Rosefinches can be seen here always together with Rock Doves. At the end of the siq there are steps going up to a view and where a Bedouin lady surrounded by domestic cats makes sage tea for those who manage to climb up.

We continued from there up again through Shobak going NW to Al Baqa a high point from where we can see Wadi Arava which is part of the Great Rift Valley and the mountains of the Negev Desert beyond it. There had been good local rains and as a result the area was just full of flowers. *Glaucium corniculatum*, *Hyoscyamus reticulatus*, *Polygala negevensis* and the beautiful

*Cerasus microcarpa*, as well as *Onobrychis montana* are only few to mention. We left in the early afternoon as the group asked for free time to do some shopping in town

## **Day 9 April 1<sup>st</sup> – Shobak Castle, Ma'an area and lower valley near Rum**

We woke up to a very windy day. Oron made a change in the itinerary as it was better finding areas which hills give some protection from the strong wind. First stop was under Shobak Castle where we took a short walk in a narrow wadi from where the beautiful view of Dana can be seen. Quite a few *Glaucium corniculatum* were growing side by side with yellow flowering *Helianthemum kahiricum* and *Kickxia acerbiana*.

Wind has calmed down a bit and so we headed east toward the town of Ma'an. It was immediately evident that the area there had some good rains as it was green with many flowers on both sides of the road. Dozens of the golden colored beetle *Agrilus desertus* were everywhere and soon Oron found a lovely Roger's Racer Snake and we saw a few Sinai Fan-fingered Geckos which are active during the day time.

Last stop of the day was in the sandy plain on the way to Wadi Rum. It is fascinating to see how plants have adapted to grow in such harsh conditions. Many *Asphodeline lutea* in its yellow colored form. The highly scented broom, *Retama raetam* and nearby the stunning *Cistanche salsa* which parasites it. In the late afternoon we arrived in 'Beit Ali' situated in a marvelous location in Wadi Rum.

## **Day 10 April 2<sup>nd</sup> – Wadi Rum**

One should really visit Wadi Rum as it is difficult to describe its beauty; immense colorful sand dunes surround the huge sculptured sandstone mountains. We had a tour inside the wadi with 4X4 cars and toured the area until lunch time when we went back to the hotel. In the afternoon cars waited for us and we went to the northern part of the Wadi with the aim to watch the Sunset from a high location...what a treat. Some very interesting plants can be seen in the area in particular two bulbous plants; brown colored *Dipcadi erythraeum* and the very rare *Allium siniacum*.

## **Day 11 April 3<sup>rd</sup> – Wadi Araba**

This morning we headed down to Wadi Araba, which is part of the Great Rift Valley. Our first stop was about 20km south of Wadi Rum on the side of the main road. The area has received exceptionally good rains this winter and an incredible amount of species of plants were

in flower. We have said it had to be a short stop of 20 minutes but it wasn't before an hour and a half that we had left the site.

Temperatures rise significantly as we were getting closer to the city of Aqaba than turning north and driving about 15km to make a stop in an area where many trees of *Acacia raddiana* are growing. Some of the trees are covered with the bright red parasitic *Loranthus acaciae* and other trees give shelter to many species of birds such as the lovely Green bee-eater. Here, in the sandy seasonal streams that comes down from the granite mountains in the east are pink flowering *Fagonia arabica*, *Tephrosia apollinea* and *Zilla spinosa*. Sky blue flowering *Blepharis ciliata*, curious *Atriplex spongiosa* and *Cucumis prophetarum*, *Salvia aegyptica* and many others are also here. Next stop was for a picnic lunch on the coast of the Red Sea South of the City of Aqaba, only a few kms from the border with Saudi Arabia.

## **Day 12 April 4<sup>th</sup> – Back to Madaba through Wadi Mujib**

After an early breakfast we left Beit Ali in Wadi Rum taking the Desert Highway back north. After a two hour drive we got down the highway going west to the parallel Kings road toward Madaba. We had a few stops on the way to stretch our legs but also to see some flowers in particularly the black *Iris nigricans* growing together with beautiful blue *Ixiolirion tataricum*, deep coloured *Gladiolus atroviolaceus*, the rare *Geranium libanoticum* and *Acanthus syriacus*.

Lunch was at a restaurant situated above the immense Wadi Mujib, the food was excellent with a vast selection of local dishes. The view of the very deep wadi below is marvelous and we have started going down to cross at the edge of the dam situated at the lowest point. After crossing the road climbs again up and at a certain point we made a stop to take photos of the rare white hollyhock *Alcea striata* and the lovely *Trichodesma africanum* growing close to it. A few minutes later and we stopped at the viewpoint from the other side of the enormous wadi with a stunning view in the west with the sun starting to lower in the sky. In the evening we reached our hotel in Madaba for a short sleep as we all headed to the Airport to catch our early flights.

## **Day 13 April 5<sup>th</sup> - Departure**

## Systematic List Number 1 Plants

### ACANTACEAE

- Acanthus mollis* Wadi Shueb, Ajloun  
*Blepharis ciliaris* Dead Sea, Wadi Rum

### ADIANTACEAE

- Adiantum capillus – veneris* Petra

### AIZOACEAE

- Aizoon canariense* Dead Sea  
*Aizoon hispanicum* SE of Madaba  
*Mesembryanthemum nodiflorum* Dead Sea

### AMARYLLIADACEAE

- Allium ascalonicum* Blue flowering Allium, Way to Mafrak  
*Allium aschersonianum* south of Madaba  
*Allium qasyunense* Creamy-Yellow flowers, Wadi Mujib  
*Allium neapolitanum* white flowers, triangular stem, widespread.  
*Allium neapolitanum* var. *palaestinum* Mt. Nebbo  
*Allium israeliticum* widespread  
*Allium rothii* West of Maa'n  
*Pancratium sickenergeri* Curly glaucous leaves, Wadi Rum

### ANACARDIACEAE

- Pistacia atlantica* Soubak, Jarash  
*Pistacia lentiscus* Ajloun  
*Pistacia palaestina* Ajloun  
*Rhus Coriaria* A-salt, Ajloun

### APIACEAE [UMBELLIFERACEAE]

- Artemisia squamata* lovely white umbel with dark button in the middle, widespread  
*Chaetosciadium trichospermum* Under Karak  
*Ferula communis* Wadi Rajeb  
*Ferula siniaca* Wadi Rum  
*Foeniculum vulgare* common.  
*Lecokia cretica* Ajloun  
*Piturtanthus turtuosus* Desert like fennel  
*Ridolfia segetum* Yellow flowering, under Karak  
*Smyrniolum olusatrum*  
*Tordylium aegyptiacum*  
*Zosima abisinthiifolia*

### APOCYNACEAE



<i>Calotropis procera</i>	Wadi Shueb
<i>Caralluma siniaca</i>	Under Petra
<i>Nerium Oleander</i>	widespread

#### ARACEAE

<i>Arisarum vulgare</i>	A- Salt
<i>Arum hygrophillum</i>	Wadi Rajeb, Wadi urjan
<i>Arum palaestinum</i>	Ajloun
<i>Arum rupicola</i>	Petra
<i>Eminium spiculatum</i>	Under Mt. Nebbo

#### ARISTOLOCHIACEAE

<i>Aristolochia bottae</i>	Wadi Urjan
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#### ASPARAGACEAE

<i>Asparagus aphyllus</i>	widespread
<i>Bellevalia eigii</i>	Syrian border
<i>Bellevalia flexuosa</i>	dark stem, white flowers, common in the Med. Areas
<i>Bellevalia longipes</i>	very rare, Ajloun
<i>Bellevalia stepporum</i>	Little Petra
<i>Dipcadi erythraeum</i>	dark brown flowers, rare, sand dunes, Wadi Rum – in bud
<i>Leopoldia longipes</i>	SW of Madaba, Under Mt. Nebo
<i>Muscari neglectum</i>	A-Salt, Ajloun, Jarash
<i>Ornithogalum fuscescens</i>	extremely rare, in buds, Ajloun
<i>Ornithogalum lanceolatum</i>	On the way to Mafrak
<i>Ornithogalum narbonense</i>	common, often in cultivated fields
<i>Ornithogalum neurostegium</i>	glaucous leaves often hairy, semi desert, Wadi Shuyeb, Wadi Mujib
<i>Ornithogalum neurostegium subsp eigii</i>	Dibbin
<i>Ornithogalum tricophyllum</i>	Beautiful desert species, thin leaves, large white silvery flowers, under Mt. Nebo
<i>Pseudomuscari inconstictum</i>	Ajloun

#### BERBERIDACEAE

<i>Bongardia chrysodonum</i>	Shubak
<i>Leonotis leonotopetalum</i>	Shubak

#### BIEBERSTENIACEAE

<i>Berberstenia multifida</i>	Shobak, Ras – a - Naqeb
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#### BORAGINACEAE

<i>Alkanna strigosa</i>	showy flowers, Wadi Shueb, Irbid.
<i>Alkanna tinctoria</i>	stunning blue flowers, Wadi Rum
<i>Anchusa aegyptiaca</i>	annual, white flowers, Jordan Valley
<i>Anchusa azurea</i>	

<i>Anchusa italica</i>	dark purple flowers
<i>Anchusa strigosa.</i>	Tall, blue flowers
<i>Anchusa undulata</i>	Wadi Rajeb
<i>Brunera orientalis</i>	'Forget me not' blue flowers, Little Petra, Wadi Rum
<i>Buglossioides tenuiflora</i>	Tiny sky blue flowers
<i>Cynoglossum creticum</i>	A Saat power station
<i>Echium angustifolium</i>	red and purple flowers
<i>Echium rauwolfii</i>	annual, similar to <i>A. judeum</i> , semi desert
<i>Heliotropium arbinense</i>	Yellow flowering species, under Little Petra
<i>Heliotropium maris-mortui</i>	silvery leaves, white flowers, around Dead Sea and Wadi Mujib
<i>Trichodesma boissieri</i>	Silvery leaves, sky blue flowers, Wadi Rajeb

#### CAESALPINACEAE

<i>Ceratonia siliqua</i>	Carob Tree, widespread
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#### CAPPARACEAE

<i>Capparis aegyptiaca</i>	glaucous leaves, cascading habit, walls in Desert
<i>Capparis decidua</i>	Rare, pink flowers, Dead Sea
<i>Capparis zoharyi</i>	similar to <i>C. spinosa</i> , Ajloun

#### CAPRIFOLIACEAE

<i>Lomelosia prolifera</i> syn <i>Scabiosa prolifera</i>	common, Wadi Rajib
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#### CARYOPHILLACEAE

<i>Gypsophila Arabica</i>	Under Jerash
<i>Minuartia picta</i>	Wadi Shuyeb, SE of Jerash
<i>Paronychia argentea</i>	common, low creeping, white papery flowers.
<i>Polycarpaea robbairea</i>	South of Wadi Rum
<i>Silene aegyptica</i>	showy carpets in Olive groves.
<i>Silene colorata</i>	Under Jerash
<i>Silene damascena</i>	A - Salt.
<i>Silene villosa</i>	White, night flowering species, sticky plant, Wadi Rum
<i>Spergularia diandra</i>	Ajloun
<i>Vaccaria hispanica</i> syn. <i>Sapponaria hispanica</i>	Wadi Rajib

#### CHENOPODIACEAE

<i>Atriplex halimus</i>	Silvery, salty leaves Shoubak
<i>Atriplex spongiosa</i>	Dead- Sea area, glaucous leaves, puffed fruits

#### CLEOMACEAE

<i>Cleome Arabica</i>	Very small yellow/brown flowers, Rum
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#### COLCHICACEAE

<i>Colchicum ritchii</i>	Leaves only in sands, Wadi Rum, Petra
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## COMPOSITAE

<i>Aaronsohnia factorovskyi</i>	yellow chamomile like flowers, no petals Dead Sea, Wadi Shueb
<i>Acillea fragrantissima</i>	Desert steppes
<i>Achilea santolina</i>	Wadi Mujib
<i>Anthemis maris –mortui</i>	elongated flowering stems around Dead- Sea
<i>Anthemis pseudocotula</i>	common, create carpets
<i>Artemisia a sieberi</i>	Widespread in the desert
<i>Asteriscus graveolens</i>	Wadi Rum
<i>Calendula arvensis</i>	Widespread through all habitats
<i>Carduus argentataus</i>	Wadi Rajeb
<i>Centaurea eringoides</i>	Under Mt. Nebbo
<i>Centaurea pallescens</i>	Jerash
<i>Doellia bovei</i>	Dead Sea
<i>Chrysanthemum coronarium</i>	Jordan –Valley
<i>Gundelia tournefortii</i>	common
<i>Gymnarrhena micranata</i>	Shobak
<i>Launaea mucronata</i>	Little Petra
<i>Launaea nudicularis</i>	widespread
<i>Matricaria aurea</i>	Camomila, semi desert and deserts
<i>Notobasis syriaca</i>	Wadi Shueb, A- Salt, Jarash
<i>Pallenis spinosa</i>	Wadi Rajeb
<i>Picris damascena</i>	Yellow flowers, semi desert
<i>Pulicaria incisa syn P. desertorum</i>	Under Little Petra
<i>Scenecio glaucus</i>	common
<i>Scorsonera judaica</i>	silvery undulate leaves, yellow flower
<i>Scorzonera schwinfurthii</i>	Dana
<i>Silybum marianum</i>	widespread
<i>Tragopogon collinus</i>	Wadi Shuyeb

## CONVOLVULACEAE

<i>Convolvulus althaeoides</i>	Pink flowers, prostrate, Dana
<i>Convolvulus humilis</i>	small pink flowers, white and yellow center.
<i>Convolvulus pentapetaloides</i>	small sky-blue flowers, widespread

## CRASSULACEAE

<i>Rosularia libanotica</i>	crevices and walls, Ajloun
<i>Umbelicus intermedius</i>	Crevices, Widespread

## CRUCIFERAE

<i>Arabis alpina</i>	Very Rare, Dana
<i>Arabis verna</i>	annual, pink, Ajloun
<i>Brasica nigra</i>	common
<i>Diplotaxis acris</i>	large pink flowers, deserts

<i>Fibigia clypeata</i>	Little Petra
<i>Malcolmia crenulata</i>	Ajloun
<i>Matthiola livida</i>	Common in the deserts
<i>Sinapis arvensis</i>	widespread
<i>Zilla spinosa</i>	thorny shrub pink flowers, Negev

#### **CUCURBITACEAE**

<i>Bryonia cretica</i>	common in the Med. Areas
<i>Bryonia syriaca</i>	A- Salt, Ajloun
<i>Citrullus colocynthis</i>	Wild watermelon, Wadi Rum

#### **CUPRESSACEAE**

<i>Juniperus phoenicea</i>	Locally common, Petra, Danna
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#### **CYNOMORIACEAE**

<i>Cynomorium coccineum</i>	A curious rare parasitic plant
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#### **CYPERACEAE**

<i>Carex pachystylis</i>	Small, desert species, Dana
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#### **ERICACEAE**

<i>Arbutus andrachne</i>	Jarash, Ajloun
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#### **EUPHORBIACEAE**

<i>Euphorbia chamaepeplus</i>	Dana
<i>Euphorbia hierosolymitana</i>	Shrub, rocky areas, A- Salt, Jarash, Ajloun

#### **FAGACEAE**

<i>Quercus coccifera</i>	common in the Med. Region
<i>Quercus ithaburensis</i>	Jarash, Ajloun

#### **FUMARIACEAE**

<i>Ceratocarpus turbinata</i>	Fumaria like, Irbid, Ajloun
<i>Fumaria densiflora</i>	A- Salt, Ajloun
<i>Fumaria parvifolia</i>	Under Ajloun

#### **GERANIACEAE**

<i>Erodium acaule</i>	rosettes of fine cut leaves, widespread
<i>Erodium arborescens</i>	Wadi Shueb
<i>Erodium desertii</i>	Near Jarash
<i>Erodium gruinum</i>	common annual, red veins
<i>Geranium libanoticum</i>	very rare S. of Wadi Rajib
<i>Geranium lucidum</i>	Shiny leaves, Jarash
<i>Geranium tuberosum</i>	Widespread

## GLOBULARIACEAE

*Globularia arabica*

Rare, shrub with dark blue flowers rock crevices, Dana

## GRAMINACEAE

*Arundo donax*

Wadi Shueb

## IRIDACEAE

*Gladiolus atropurpureus*

S. of Madaba

*Iris aff. aucheri*

Shoubak

*Iris bostrensis*

Syrian border

*Iris bismarckiana*

Wadi Rajeb, W of Ajlun

*Iris haynei*

Wadis leading to Jordan Valley

*Iris nigricans*

Jerash, S. of Madaba

*Iris petrana*

Leaves only, Dana

*Moraea sisyrinchium*

widespread through the region

## JUNCUCEAE

*Juncus rigidus*

Jordan Valley, Dead Sea

## LABIATAE

*Ajuga chamaepitys subsp chia*

prostrate, yellow flowers, Upper Galilee

*Eremostachys laciniata*

tall spikes, yellow rusty flowers, Mafraq

*Lamium amplexicaule*

widespread in Med. areas

*Lamium moscatatum*

Ajloun, Wadi Rajeb

*Lavandula coronopifolia*

Slender species, Under Little Petra

*Majorana syriaca*

known as Zaatara, A- Salt, Irbid

*Parsium majus*

Shrub, semi climber, white flowers, -Suweb, Ajloun

*Micromeria siniaca*

Scented plant, Tiny pink flowers - Rum

*Phlomis brachyodon*

Wadi Shuweb, large yellow flowers

*Phlomis platystegia*

Under Karak

*Salvia dominica*

Semi desert, Silvery scented leaves creamy flowers

*Salvia lanigera*

silvery leaves, blue-purple flowers Shoubak

*Salvia multicaulis*

Rare, green form of this species, Dana

*Salvia verbenacea*

Amman, Shaat

*Salvia viridis*

widespread

*Stachys aegyptiaca*

Silvery leaves, pink flowers, Wadi Rum Wadi Araba

*Stachys neurocalycina*

Jarash

*Ziziphora capitata*

Wadi Rajeb

## LEGUMINOSAE

*Anagyris foetida*

large shrub, cascading yellow-flowers, A- Salt

*Astragalus caprinus*

Shoubak

*Astragalus callichorus*

prostrate habit, curly fruits, pink flowers Syrian Border

<i>Astragalus Kahiricus</i>	Low habit, coins like leaves, flowers, Wadi Rum
<i>Astragalus sanctus</i>	Prostrate habit, linear, dissected leaves, large cerise flowers, Petra
<i>Astragalus spinosus</i>	Large spiny shrub, pink flowers, Danna
<i>Bituminaria bituminosa</i>	Wadi Rajeb
<i>Calicotome villosa</i>	common, scented yellow flowers on shrub
<i>Colutea istria</i>	shrub, yellow flowers, big puffed fruits dry rocky habitat, Dana
<i>Crotalaria aegyptiaca</i>	Narrowly stemmed shrub, flowers, Wadi Rum
<i>Lathyrus aphaca</i>	Wadi Rajeb- small
<i>Lathyrus hierosolymitanum</i>	Under Karak
<i>Lathyrus pseudocicera</i>	annual, orange colored pea like flowers widespread.
<i>Pisum elatium</i>	Wadi Rajeb
<i>Lupinus pilosus</i>	stunning blue flowers, Wadi Shueb
<i>Pisum sativum</i>	Wadi Rajeb
<i>Ononis natrix</i>	Madaba
<i>Retama raetam</i>	common shrub, white scented flowers
<i>Pisum fulvum</i>	Ajloun
<i>Trifolium boissieri</i>	Dibbin Forest
<i>Trifolium clypeatum</i>	white flowers with pink tubes, common the Med. Region
<i>Trifolium tomentosum</i>	Under Jerash
<i>Trigonella Arabica</i>	Small plant white flowers
<i>Vicia hybrida</i>	annual climber, white and bicolor flowers, Jarash
<i>Vicia narbonensis</i>	dark purple flowers, widespread

#### **LILIACEAE**

<i>Fritillaria persica</i>	Karak, Petra, Wadi Rum
<i>Gagea chlorantha</i>	Slender species, round petals, Shubak
<i>Gagea comutata</i>	large star - shaped yellow flowers Mediterranean areas
<i>Gagea fibrosa</i>	similar to the above, Jordan Valley
<i>Gagea reticulata</i>	Filiforme leaves, Syrian Border, Mt. Nebo
<i>Gagea villosa</i>	Rare, Wadi Rajeb
<i>Tulipa agenensis</i>	Ajloun – Very Rare
<i>Tulipa systola</i>	Under Mt. Nebo, Shubak

#### **LINACEAE**

<i>Linum pubescens</i>	Pink flowers, purple - Blue center
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#### **LORANTHACEA**

<i>Plicosepalus acaciae</i>	Red flowered parasitic on Acacia trees Jordan Valley, Wadi Araba
<i>Viscum cruciatum</i>	Dana, parasitic on Almond trees

#### **MALVACEAE**

<i>Abutilon fruticosum</i>	Near Wadi Rum, woody shrub yellow flowers
<i>Alcea rufescens</i>	White flowering hollyhock, Wadi Mujib

## **MIMOSACEAE**

*Acacia tortilis* umbrella like trees, extremely dry areas in  
*Acacia tortilis subsp raddiana* curly fruits, Jordan Valley

## **MORINGACEAE**

*Moringa peregrine* cascading tree, like a gigantic Retama, Wadi around Dead Sea

## **OLEACEAE**

*Olea europea* widespread in Med. areas

## **ORBANCHACEAE**

*Cistanche salsa* Very showy colorful parasitic plant, Rum  
*Cistanche tubolosa* very showy, yellow flowers, parasitic plant Dead Sea  
*Orobanche crenata* Wadi Rajeb  
*Orobanche schulzii* Wadi Rajeb

## **ORCHIDACEAE**

*Anacamptis papilionacea* A- Salt, Ajloun, Dibbin  
*Epipactis veratrifolia* Dead Sea  
*Ophrys omegifera subsp. fleischmannii* Dibbin  
*Ophrys sphegodes subsp mammosa* Dibbin  
*Ophrys umbilicata* Dibbin  
*Orchis anatolica* Ajloun, Dibbin  
*Orchis galilea* Dibbin

## **OXALIDACEAE**

*Oxalis pes-carpae* invasive, not native.

## **PALMAE**

*Hyphaene thebaica* Aqaba

## **PAPAVERACEAE**

*Glaucium arabicum* large red flowers, under Mt. Nebo  
*Glaucium corniculatum* Red – orange flowers, Wadi Rum, Irbid  
*Hypecoum dimidiatum* syn. H. imberbe, Yellow flowers  
*Papaver hybridum* Madaba  
*Papaver polytrictum* Madaba  
*Rohemeria hybrida* Purple flowers, Mt. Nebo

## **PLANTAGINACEAE**

*Plantago ciliata* small, lanceolate leaves, Wadi Rum.

## **POLYGONACEAE**

*Rheum palaestinum* Wadi Rum

*Rumex cyprius*

Wadi Mujib

#### **PRIMULACEAE**

*Anagalis arvensis*

Blue – Flowers, Widespread

*Cyclamen persicum*

widespread

#### **RHAMNACEAE**

*Ziziphus lotus*

large thorny shrub, Jordan Valley

*Ziziphus spina-christi*

Widespread, large tree, edible fruits

#### **RANUNCULACEAE**

*Adonis aestivalis*

Orange flower, semi desert areas

*Adonis dentata*

yellow flowering species, Judea and Negev Deserts.

*Adonis microcarpa*

Small red flowers, widespread

*Adonis palaestina*

Large Red Flower, Wadi Rajib

*Anemone coronaria*

widespread, multi colors in the north, red in deserts.

*Clematis cirrhosa*

common in Med. Areas

*Consolida orientalis*

Wadi Urjan

*Ficaria verna*

Ajloun

*Ranunculus asiaticus*

red flowers, widespread

*Ranunculus damascenus*

SE of Jerash

*Ranunculus millefolius*

Jarash, Ajloun, Madaba

#### **RESEDACEAE**

*Ochradenus baccatus*

Dead Sea

*Reseda alopecuroides*

Wadi Rajeb

*Reseda lutea*

yellow flowering sub shrub Wadi Rajeb

#### **ROSACEAE**

*Amygdalus communis*

A-Salt

*Amygdalus korschinskii*

Big Shrub, Dana

*Sarcopoterium spinosum*

thorny cushion, Mediterranean region

#### **SALICACEAE**

*Populus euphratica*

Dead Sea

#### **SCROPHULARIACEAE**

*Kickxia aegyptica*

Irbid

*Linaria haelava*

annual, yellow and purple forms, sandy areas in the deserts, common

*Misopates orontium*

annual, pink flowers, like small a snapdragon

*Scrophularia rubricaulis*

Tall, robust species, under Ajlun

*Scrophularia xylorrhiza*

growing in rock crevices, Dana

*Verbascum fruticosum*

undulate leaves, yellow flowers, common



*Veronica anagalis-aquatica*  
*Veronica syriaca*

Petra  
miniature showy annual, Ajloun

#### **SOLANACEAE**

*Hyoscyamus aureus*  
*Hyoscyamus pusillus*  
*Hyoscyamus reticulatus*  
*Mandragora autumnalis*  
*Solanum sinaicum*

Yellow flowers, Dark center, Jarash  
Annual, yellow, black center, sands in deserts, Wadi Rum  
dark netted flowers, cultivated fields, E. of Maa'n  
Ajloun, Dibbin  
White flowers, Wadi Rum

#### **STYRACACEAE**

*Styrax officinalis*

Ajloun.

#### **THYMELAEACEAE**

*Thymelaea hirsutae*

Shrub, tiny yellow flowers, Little Petra

#### **URTICACEAE**

*Forsskaolea tenacissima*  
*Urtica pilulifera*

Dead Sea  
Common

#### **XANTHORRHOEACEAE**

*Asphodeline lutea*  
*Asphodelus ramosus*  
*Asphodelus tenuifolius*

Orange and Yellow forms form, widespread  
Widespread including the deserts  
Annual, semi desert & deserts

#### **ZYGOPHYLLACEAE**

*Fagonia Arabica*  
*Fagonia glutinosa*  
*Fagonia mollis*  
*Zygophyllum dumosum*

Dead Sea  
Prostrate habit, pink flowers, sticky leaves, Sands in the deserts.  
long thorns, Dead Sea  
shrub, small glaucous leaves, many white flowers, common,  
Deserts

## Reptiles

<i>Ablepharus ruepelli</i>	Juniper Skink	Dibbin, Ajlun
<i>Acanthodactylus scutellatus</i>		Wadi Rum
<i>Hemidactylus turcicus</i>	Turkish Gecko	Ajlun
<i>Lacerta laevis</i>	Lebanon Lizard	Ajlun
<i>Laudakia stellio</i>	Roughtail Rock Agama	Jerash, Ajloun
<i>Laudakia stellio subsp brachydactyla</i>		Wadi Rum
<i>Mabuya vittata</i>	Bridled Mabuya	Wadi Rajib
<i>Mesalina guttulata</i>	Small-spotted Lizard	Wadi Rum
<i>Ophiomorus latastei</i>		Wadi Rajib
<i>Ophisops elegans</i>	Snake-eyed Lizard	Widespread
<i>Testudo graeca</i>	Mediterranean Spur-thighed Tortoise	Common
<i>Trapelus pallidus</i>	Desert Agama	Syrian border
<i>Tropicolotes nattereri</i>	Sand Gecko	Wadi Rum
<i>Coluber rogersi</i>	Roger's Racer snake	Shobak

## Amphibians

<i>Rana Levantina</i>	Hadera Frog	Wadi Urjan
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# Butterflies

## PAPILIONACEAE

<i>Papilo machon</i>		Jerash
<i>Archon apollinus</i>	False Apollo	Jerash

## PIERIDAE

<i>Pieris brassicae</i>	Large White	
<i>Pieris rapae</i>	Small White	
<i>Euchloe belemia</i>	Green-striped White	Widespread
<i>Euchloe charlonia</i>	Greenish Black -tip	Deserts
<i>Colias crocea</i>	Clouded Yellow	
<i>Pontia daplidice</i>	Bath White	

## LYCAENIDAE

<i>Aricia agrestis</i>	Brown Argus	
<i>Polyommatus icarus</i>	Common Blue	Shubak
<i>Lycaena phlaeas</i>	Small Copper	

## NYMPHALIDAE

<i>Vanessa Atlanta</i>	Red Admiral	
<i>Vanessa cardui</i>	Painted Lady	
<i>Melitaea phoebe</i>	Knapweed Fritillary	
<i>Melitaea cinxia</i>	Glanville Fritillary	

## SATYRIDAE

<i>Ypthima asterope</i>	African Ringlet	
<i>Lasiomtta megera</i>	Wall Brown	
<i>Lasiomtta maera</i>	Large Wall Brown	
<i>Maniola jurtina</i>	Meadow Brown	

## HESPERIDAE

<i>Thymelicus action</i>	Essex skipper	
<i>Carcharodus alcae</i> (aff.)	Mallow skipper	

## Moths

<i>Macroglossum stellatarum</i>	Hummingbird Hawk- Moth	
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## Insects

<i>Adesmia abbreviata</i>	Embedded Darkling Beetle	very common in sandy deserts
<i>Agrilus desertus</i>		widespread in desert areas
<i>Empusa fasciata</i>	Praying Mantis	Ajlun
<i>Julodis distincta</i>		West of Ma'an
<i>Leiurus quinquestratus</i>		Widespread
<i>Latrodectus Alba</i>	White widow	Petra
<i>Latrodectus tredecimguttatus</i>	Black widow	
<i>Prionoteca coronata</i>		Wadi – Rum
<i>Poeciloceris bufonius</i>	Usher-Hopper	Petra, Wadi Rum
<i>Potamon potamios</i>	Med. Fresh Water Crab	Ajlun
<i>Tmethis pulchripennis</i>		Wadi rajib, Wadi Mujib

## Birds

<i>Accipiter brevipes</i>	Levant Sparrowhawk	Widespread
<i>Accipiter nisus</i>	Sparrowhawk	Wadi Rajib
<i>Alectoris chukar</i>	Chukar	Widespread
<i>Alopochen aegyptiacus</i>	Egyptian geese	Aqaba
<i>Ammoperdix heyi</i>	Sand Partridge	
<i>Anas clypeata</i>	Shoveler	Aqaba
<i>Anas crecca</i>	Teal	Aqaba
<i>Anas platyrhynchos</i>	Mallard	Aqaba
<i>Anthus spinoletta</i>	Water Pipit	Aqaba
<i>Apus Apus</i>	Common Swift	Widespread
<i>Apus pallidus</i>	Pallid swift	Rocky Desert
<i>Aquila nipalensis</i>	Steppe Eagle	under Little Petra
<i>Aquila pomarina</i>	Lesser spotted Eagle	above Aqaba
<i>Ammomanes deserti</i>	Desert Lark	Common
<i>Anas querquedula</i>	Garganey	Aqaba
<i>Athene noctua</i>	Little Owl	Wadi Rajib
<i>Burhinus oedicnemus</i>	Stone Curlew	Syrian border
<i>Buteo Buteo</i>	Common Buzzard	Widespread
<i>Buteo rufinus</i>	Long-legged Buzzard	Widespread
<i>Calandrella brachydactyla</i>	Greater Short-toed Lark	Bareige, Irbid
<i>Calidris minuta</i>	Little Stint	Araba Valley, Aqaba
<i>Carduelis cannabina</i>	Linnet	Ajlun, Little Petra
<i>Carduelis carduelis</i>	Goldfinch	Widespread, accept deserts
<i>Carduelis chloris</i>	Greenfinch	Widespread in Med. areas
<i>Carpodacus synoicus</i>	Sinai Rosefinch	Petra, Wadi Rum
<i>Cercolmela melanura</i>	Blackstart	Common in hot deserts

<i>Ceryle rudis</i>	Pied Kingfisher	Aqaba
<i>Cettia cetti</i>	Cetti's Warbler	Ajlun
<i>Charadrius hiaticula</i>	Ringed Plover	Aqaba
<i>Circaetus gallicus</i>	Short-toad Eagle	Wadi Rajeb
<i>Columba livia</i>	Rock Pigeon	Petra, Wadi Rum
<i>Corvus corax</i>	Raven	Wadi Rum
<i>Corvus (corone) cornix</i>	Hooded Crow	Widespread
<i>Corvus rhipidurus</i>	Fan-tailed Raven	Petra, Dead sea, Wadi Araba
<i>Corvus ruficollis</i>	Brown-necked Raven	Dead Sea, Aqaba, Mujib
<i>Corvus splendens</i>	House Crow	Aqaba
<i>Coturnix coturnix</i>	Quail	Wadi Rajib
<i>Cuculus canorus</i>	Cuckoo	Jerash, Dana
<i>Cursorius cursor</i>	Cream-colored Courser	Karak
<i>Delichon Martin</i>	House Martin	Aqaba
<i>Dendrocopos syriacus</i>	Syrian Woodpecker	Ajlun
<i>Egreta alba</i>	Great White Egret	Aqaba
<i>Egreta cinerea</i>	Grey Heron	Aqaba
<i>Embriza caesia</i>	Cretschmar's Bunting	Jerash, Little Petra
<i>Embriza hortolana</i>	Ortolan Bunting	Little Petra
<i>Erittacus rubecula</i>	European Robin	Dibbin
<i>Falco naumanni</i>	Lesser Kestrel	Widespread
<i>Falco tinnuculus</i>	Common Kestrel	Widespread
<i>Ficedula semitorquata</i>	Semi-collared Flycatcher	Petra, Little Petra
<i>Fringilla coelebs</i>	Chaffinch	Ajlun
<i>Fulica atra</i>	Coot	Aqaba
<i>Galerida cristata</i>	Crested Lark	Widespread
<i>Gllinago gallinago</i>	Common Snipe	Aqaba
<i>Gallinula chloropus</i>	Moorhen	Aqaba
<i>Garrulus glandarius</i>	Eurasian Jay	Common in Mediterranean areas
<i>Halcyon smayrensis</i>	White Breasted Kingfisher	ordan Valley
<i>Himantopus himantopus</i>	Black-winged Stilt	Aqaba
<i>Hippolais pallida</i>	Olivaceous Warbler	
<i>Hirundo daurica</i>	Red-rumped Swallow	Jordan Valley
<i>Hirundo rustica</i>	Barn Swallow	Jordan Valley
<i>Hoplopterus spinosus</i>	Spur-winged Plover	Aqaba
<i>Lanius excubitor</i>	Great Grey Shrike	Widespread
<i>Lanius meridionalis</i>	Southern Grey Shrike	Shoubak
<i>Lanius nubicus</i>	Masked Shrike	Widespread
<i>Lanius senator</i>	Woodchat Shrike	Shubak, Dana
<i>Luscinia megarhynchos</i>	Nightingale	
<i>Jynx torquilla</i>	Wryneck	Little Petra
<i>Larus fuscus</i>	Lesser Black-headed Gull	Aqaba
<i>Larus genei</i>	Slender-billed Gull	Aqaba
<i>Larus ridibundus</i>	Black-headed Gull	Aqaba

<i>Luscinia svecica</i>	Bluethroat	Aqaba
<i>Merops apiaster</i>	European Bee-eater	Wadi Rum
<i>Merops orientalis</i>	Little Green Bee-eater	Aqaba, Dead Sea
<i>Miliaria calandra</i>	Corn Bunting	Jerash, Ajlun, Rajib
<i>Milvus migrans</i>	Black kite	Common
<i>Motacilla alba</i>	White wagtail	Widespread
<i>Monticola saxatilis</i>	Rock Trush	
<i>Monticola solitarius</i>	Blue Rock Trush	Widespread
<i>Nectarinia osea</i>	Palestine Sunbird	Widespread
<i>Oena capensis</i>	Namaqua Dove	Wadi Rum
<i>Oenanthe deserti</i>	Desert Wheatear	Eastern Desert, Shubak
<i>Oenanthe hispanica</i>	Black-eared Weathear	Petra, Araba Valley
<i>Oenanthe isabellina</i>	Isabelline Wheatear	Widespread
<i>Oenanthe leucopyga</i>	White-crowned Black Weathear	Araba Valley, Aqaba
<i>Oenanthe lugens</i>	Mourning whethear	Widespread
<i>Oenanthe moesta</i>	Red-rumped Weathear	Widespread
<i>Oenanthe monaca</i>	Hooded wheatear	Dead Sea, Wadi Shu'ayeb
<i>Oenanthe oenanthe</i>	Northern Wheatear	Petra, Aqaba
<i>Onychoganthus tristramii</i>	Tristram's Grackle (starling)	Widespread accept in Med. areas
<i>Parus major</i>	Great Tit	Common in Mediterranean areas
<i>Passer domesticus</i>	House Sparrow	Widespread
<i>Passer hispaniolensis</i>	Spanish Sparrow	Shubak, Danna, Aqaba, Mujib
<i>Petronia petronia</i>	Rock Sparrow	Shubak
<i>Phylloscopus collybita</i>	Chiffchaff	Wadi Araba, Dana
<i>Phylloscopus sibilatrix</i>	Wood Warbler	Aqaba
<i>Philomachus pugnax</i>	Ruff	Aqaba
<i>Phoenicurus ochruros</i>	Black Redstart	Widespread
<i>Phoenicurus phoenicurus</i>	Common Redstart	Wadi Mujib
<i>Plegadis falcinellus</i>	Glossy Ibis	Aqaba
<i>Prinia gracilis</i>	Graceful Warbler	Ajlun, Shubak
<i>Psittacula krameri</i>	Ring-necked Parakeet	Aqaba
<i>Ptyonoprogne fuligula</i>	Rock Martin	Common in the desert
<i>Pycnonotus xanthopygos</i>	Spectacled Bulbul	Widespread
<i>Scotocerca inquieta</i>	Scrub Warbler	Aqaba, Wadi Rajib
<i>Serinus serinus</i>	Serin	Jerash
<i>Serinus syriacus</i>	Syrian Serin	Little Petra
<i>Streptopelia decaocto</i>	Eurasian collared dove	Jordan Valley
<i>Streptopelia senegalensis</i>	Laughing Dove	Widespread
<i>Sterna caspia</i>	Caspian Tern	Aqaba
<i>Sylvia atricapilla</i>	Blackcap	Widespread
<i>Sylvia communis</i>	Common Whitethroat	Wadi Rajib
<i>Sylvia curruca</i>	Lesser Whitethroat	Very common
<i>Sylvia hortensis</i>	Orphean Warbler	
<i>Sylvia leucomelaena</i>	Arabian Warbler	Aqaba

<i>Sylvia Melanocephala</i>	Sardinian Warbler	Widespread
<i>Sylvia rueppelli</i>	Ruppell's Warbler	Aqaba
<i>Tadorna tadorna</i>	Shelduck	Aqaba
<i>Tringa glareola</i>	Wood Sandpiper	Aqaba
<i>Tringa ochropus</i>	Green Sandpiper	Araba Valley, Aqaba
<i>Tringa tetanus</i>	Common Redshank	Aqaba
<i>Troglodytes troglodytes</i>	Wren	Ajlun
<i>Turdoides squamiceps</i>	Arabian Babbler	Aqaba
<i>Turdus merula</i>	Blackbird	Widespread
<i>Upupa epops</i>	Hoopoe	Widespread
<i>Vanellus spinosus</i>	Spur-winged Lapwing	Aqaba