**List of Fauna and Flora species recorded in Qurm Nature Reserve**

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| **Species** | **Common name** | **Scientific Name** | **Family name** | **Included in JICA Team Survey 2012-2013** | **Other** | **IUCN Red List** |
| Crabs | Fiddler crab | *Uca inverse* | Ocypodidae |  |  |  |
| Hermit crab | *Coenobita scaevola* | Coenobitidae |  |  |  |
| Ring-legged Fiddler Crab | *Ucalactea annulipes* | Ocypodidae |  |  |  |
| - | *Eurycarcinus orientalis* | Pilumnidae |  |  |  |
| - | *Nasima dotilleformis* | - |  |  |  |
| Grapsus thukuhar | *Metapograpsus thukuhar* | Grapsidae |  |  |  |
| Alamihi | *Metapograpsus messor* | Grapsidae |  |  |  |
| Mangrove swimming crab | *Thalamit acrenata* | Portunidae | ✕ |  |  |
| - | *Portunus sp.* | Portunidae |  |  |  |
| Swimming crab, cancer segnis | *Portunus segnis* | Portunidae |  |  |  |
| Sesarmid crab | *Chiromantes sp.* | Sesarmidae | ✕ |  |  |
| Mangrove crab | *Perisesarma guttatum* | Sesarmidae |  |  |  |
| Mangrove crab | *Perisesarma sp.* | Sesarmidae |  |  |  |
| - | *Macrophthalmus depressus* | Ocypodidae |  |  |  |
| Fiddler crab | *Uca vocans* | Ocypodidae |  |  |  |
| Gastropods | large mud snail/ Mangrove whelk/ Mud creeper | *Terebralia palustris* | Potamididae | ✕ |  |  |
| Small mud snail/ Girdled Horn Shell | *Cerithidea cingulata* | Potamididae |  |  |  |
| - | *Pirenella conica* | Potamididae |  |  | LC |
| Common Top Shell/ Button tops | *Umbonium vestiarium* | Trochidae |  |  |  |
| Molluscs | Cerithiids/Ceriths | *Cerithium caeruleum* | Cerithiidae |  |  |  |
| Furrowed Clusterwink/ Tropical periwinkle | *Planaxis sulcatus* | Planaxidae |  |  |  |
| Small rock oyster | *Saccostrea cucullata* | Ostreidae |  |  |  |
| - | *Dosinia alta* | Veneridae |  |  |  |
| Shrimp | Coral shrimp | *Palaemon sp* | Palaemonidae |  |  |  |
| Callianassid shrimp | *-* | Callianassidae |  |  |  |
| Worm | Bristle Worms | *Polychaetes/ Polychaeta* | Polychaeta (Class) |  |  |  |
| Birds | Ruff | [*Philomachus pugnax*](http://www.iucnredlist.org/details/106003062/0) | Scolopacidae |  |  | LC |
| Common Redshank | [*Tringa totanus*](http://www.iucnredlist.org/details/106003017/0) | Scolopacidae |  |  | LC |
| Common Greenshank | [*Tringa nebularia*](http://www.iucnredlist.org/details/106003019/0) | Scolopacidae |  |  | LC |
| Common Sandpipe*r* | [*Actitis hypoleucos*](http://www.iucnredlist.org/details/106003027/0) | Scolopacidae |  |  | LC |
| Grey Heron | [*Ardea cinerea*](http://www.iucnredlist.org/details/106003715/0) | Ardeidae |  |  | LC |
| Great White Egret | [*Casmerodius albus*](http://www.iucnredlist.org/details/106003728/0) | Ardeidae |  |  | LC |
| Striated Heron | [*Butorides striata*](http://www.iucnredlist.org/details/106003737/0) | Ardeidae |  |  | LC |
| Western Reef Egret | [*Egretta gularis*](http://www.iucnredlist.org/details/106003709/0) | Ardeidae |  |  | LC |
| Sand and Kentish plovers | *Charadrius alexandrinus* | Charadriidae |  |  | LC |
| Slender billed Gull | *Larus genei* | Laridae |  |  | LC |
| Sooty Gulls | *Larus hemprichii* | Laridae |  |  | LC |
| Lesser Crested Tern | *Sterna bengalensis* | Laridae |  |  | LC |
| Sandwich Tern | *Sterna sandvicensis* | Sternidae |  |  | LC |
| Fish | Killifish | *Aphanius dispar* | Cyprinodontidae | ✕ |  |  |
| Grunter | *Terapon jarbua* | Terapontidae | ✕ |  |  |
| Silver-biddy | *Gerres sp.* | Gerreidae | ✕ |  |  |
| Glass fish | *Ambassis sp.* | Ambassidae | ✕ |  |  |
| Mullet | *Ellochelon vaigiensis* | Mugilidae | ✕ |  |  |
| *Mugil sp.* | Mugilidae | ✕ |  |  |
| Eyebrow goby | *Oxyurichthysophthalmonema* | Gobiidae | ✕ |  |  |
| Indo-Pacific tropical sand goby | *Favonigobius rechei* | Gobiidae | ✕ |  |  |
| Insignia prawn-goby | *Cryptocentroidesinsignis* | Gobiidae | ✕ |  |  |
| Tilapia | *Oreochromis niloticus* | Cichlidae | ✕ |  |  |
| Sea bream | *Acanthopagrus sp.* | Sparidae | ✕ |  |  |
| Flora | White mangrove | *Avicennia marina* | Acanthaceae |  |  | LC |
|  | *Halopyrum mucronatum* | Poaceae |  |  |  |
| Sabt/ Tartir/ Suaedi | *Suaeda vermiculata* | Amaranthaceae |  |  | NE |
| Halopeplis | *Halopeplis perfoliata* | Amaranthaceae |  |  | NE |
| Mamoncillo | *Aeluropus lagopoides* | Poaceae |  |  | NE |
| Glaucous Glasswort | *Arthrocnemum macrostachyum* | Amaranthaceae |  |  | NE |
| Qataf | *Suaeda aegyptiaca* | Amaranthaceae |  |  | NE |
| Hesar, Dahziz | *Indigofera oblongifolia* | Fabaceae |  |  | LC |
| *Oshub* | *Cyperus conglomeratus* | Cyperaceae |  |  | NE |
| Limonium | *Limonium stocksii* | Plumbaginaceae |  |  | NE |
| Sea rush/ Namsah | *Juncus rigidus* | Juncaceae |  |  | LC |
| *-* | *Tamarix mascatensis* | Tamaricaceae |  | ✕ | NE |
| Umbrella Thorn/ Talh | *Acacia tortilis* | Fabaceae |  |  | NE |
| Ghaf | *Prosopis cineraria* | Fabaceae |  |  | NE |
| Christ's Thorn Jujube/ Sedr | *Ziziphus spinachristi* | Rhamnaceae |  |  | NE |
| Osaj | *Lycium shawii* | Solanaceae |  |  | NE |
| Marmar | *Zygophyllum qatarense* | Zygophyllaceae |  | ✕ | NE |
| A’Neela | *Indigofera intricata* | Fabaceae |  | ✕ | LC |
| Shahmt Al Ardh/ Sali | *Aizoon canariense* | Aizoaceae |  | ✕ | NE |
| - | *Sporobolus iocladus* | Poaceae |  | ✕ | NE |
| Seashore drop seed | *Sporobolus virginicus* | Poaceae |  | ✕ | NE |
| Rimram | *Heliotropium kotschyi* | Boraginaceae |  | ✕ |  |
| - | *Crotalaria persica* | Fabaceae |  | ✕ | NE |
| Shook El Deeb/ Har/ Had | *Cornulaca*  *monacantha* | Amaranthaceae |  | ✕ | NE |
| Merkba/ Abo rkba/ Thmam | *Panicum turgidum* | Poaceae |  | ✕ | NE |
| Dwaneen/ Zib El deeb | *Cistanche tubulosa* | Orobanchaceae |  | ✕ | NE |
| - | *Sphaerocoma aucheri* | Caryophyllaceae |  | ✕ | NE |

**Note:**

1. Significance of the IUCN Red List criteria: LC: least concern, NE: Not Evaluated
2. Others: S. A. Ghazanfar (1998) Coastal Vegetation of Oman

There are 194 species of birds, 27 species of crustaceans, 48 species of molluscs and 40 species of fish. On the landward fringe of the mangroves, Fiddler Crab (*Uca inverse)* was recorded in wet sand while Hermit Crab (*Coenobita scaevola)* occurred in drier sandy areas. Within the mangrove trees burrow density was very high and several crab species such as Ring-legged Fiddler Crab (*Uca lactea annulipes), Eurycarcinus orientalis, Nasima dotilleformis, Metapograpsus thukuhar,* Alamihi *(M. messor)* were found. Large Mud Snail (*Terebralia palustris*) is abundant on wet sand in the shade of the trees, but does not usually occur in drier areas or in the open sun. On the seaward fringe of the mangroves, Ring-legged Fiddler Crab (*Uca annulipes)* and Fiddler Crab (*U. vocans)* occur with other small burrowing crabs such as Mangrove Crabs (*Perisesarma guttatum and Macrophthalmus depressus*). Small Mud Snail (*Cerithidea cingulate)* was abundant at the edge of the channel while the molluscs - Cerithiids (*Cerithium caeruleum)*, Furrowed Clusterwink (*Planaxis sulcatus)* and Small Rock Oyster (*Saccostrea cucullata)* occur among the prop roots. Small fish, hermit crabs (*Diogenes sp.*) and shrimps (*Palaemon sp.*) are abundant in the channel. Burrowing in the sediment of the channel, callianassid shrimps, polychaetes, Common Top Shell (*Umbonium vestiarium)*, *Dosinia alta* and *Pirinella conica* can be found. Along the pools at the landward end of the reserve, waders such as Ruff (*[Philomachus pugnax](http://www.iucnredlist.org/details/106003062/0)*)*,* Common Redshank (*[Tringa totanus](http://www.iucnredlist.org/details/106003017/0)*), Common Greenshank (*[Tringa nebularia](http://www.iucnredlist.org/details/106003019/0)*), Common Sandpipe*r ([Actitis hypoleucos](http://www.iucnredlist.org/details/106003027/0)*)  and herons such as Grey Heron (*[Ardea cinerea](http://www.iucnredlist.org/details/106003715/0)*) , Great White Egret (*[Casmerodius albus](http://www.iucnredlist.org/details/106003728/0)*)) are common while in the mangrove channels Striated Heron (*[Butorides striata](http://www.iucnredlist.org/details/106003737/0)*) occurs with Western Reef Egret (*[Egretta gularis](http://www.iucnredlist.org/details/106003709/0))*, and Sand and Kentish plovers (*Charadrius alexandrines)* on sandy edges. Gulls and Terns are common along the beach. Slender Billed Gull (*Larus genei),* Sooty Gulls (*Larus hemprichii)*, Lesser Crested Tern (*Sterna bengalensis)*, and Sandwich Tern (*Sterna sandvicensis*) occur.

Over 40 species have been recorded at Qurm Nature Reserve including many commercial species such as Killifish (*Aphanius dispar)*, Grunter (*Terapon jarbua)*, Silver-biddy (*Gerres sp.)*, Glass fish (*Ambassis sp.)*, Mullet (*Ellochelon vaigiensis)*, Eyebrow goby (*Oxyurichthys ophthalmonema)*, Indo-Pacific tropical sand goby (*Favonigobius rechei)*, and Insignia prawn-goby (*Cryptocentroides insignis)*.

On the dune side of the Qurm Nature Reserve *Halopyrum mucronatum* is found. Where vegetation grows on the Sabkha deposits in the central part of the reserve, *Suaeda vermiculata* is dominant. At the edges of the mangroves and channels in wet saline sand Halopeplis (*Halopeplis perfoliata)*, Mamoncillo (*Aeluropus lagopoides)* and Glaucous Glasswort (*Arthrocnemum macrostachyum)* occur*.* On drier sandy areas mainly on the landward side of the mangroves Qataf *Suaeda aegyptiaca* is dominant. Other common plants recorded on stable sandy areas include Hesar (*Indigofera oblongifolia),* Oshub (*Cyperus conglomeratus),* and Limonium (*Limonium stocksii).* On the landward southeast side of the reserve along the pools large clumps of Sea rush (*Juncus rigidus)* follow the edges of the watercourse. More terrestrial vegetation typical of wadis includes *Tamarix mascatensis,* Umbrella Thorn (*Acacia tortilis),* Ghaf (*Prosopis cineraria),* Christ's Thorn Jujube (*Ziziphus spinachristi)* and Osaj (*Lycium shawii).*

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