



CHUMBE ISLAND  
CORAL PARK

25 Years

1998 - 2023

© 2024

Dr. Hans-Wilhelm Leyendecker  
 Ludwigstraße 36 F  
 D-63179 Obertshausen  
 Germany  
[w.leyendecker@t-online.de](mailto:w.leyendecker@t-online.de)

Edition 2024

Volume 1: Reef fish

Underwater Photo-Guide

Chumbe Island Coral Park

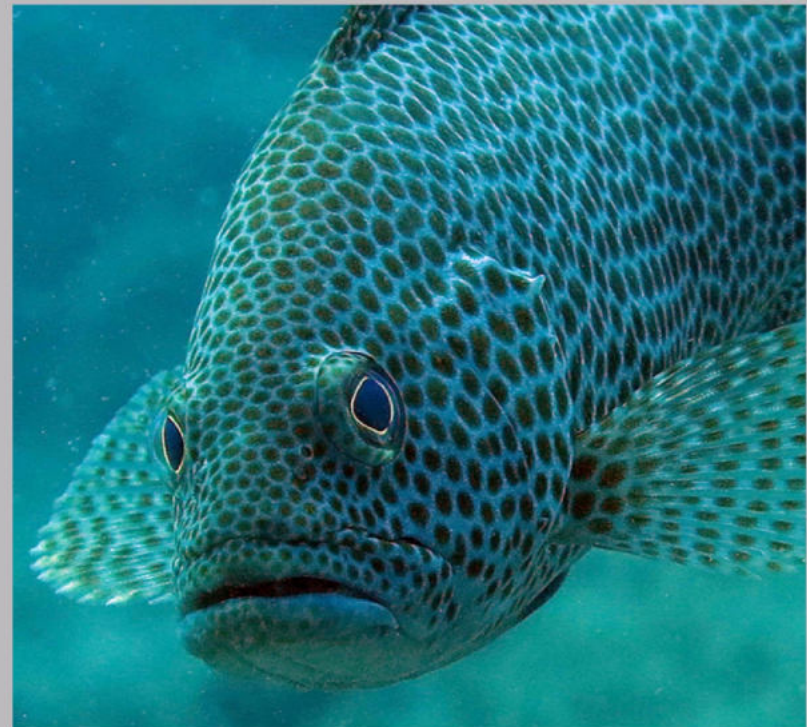
Underwater  
Photo-Guide



CHUMBE ISLAND  
CORAL PARK

Volume 1:  
Reef fish

Edition 2024



## Foreword

Dear visitors!

Chumbe Island Coral Park (CHICOP) was established in 1992 as the world's first private Marine Protected Area (MPA) and believe it or not, it is still the only privately managed MPA in East Africa! As we are celebrating our 25th ecotourism anniversary on Chumbe Island, we proudly look back at two and a half decades of running extensive conservation programmes, alongside a large-scale environmental education programme, all made possible thanks to the revenues generated through our ecotourism activities. We have received many international awards and recognitions over the years and are particularly proud of the special mention by the UN Secretary General in his report to the General Assembly in 2011 on the protection of coral reefs for sustainable livelihoods and development, highlighting the sustainable management and protection of the Chumbe Reef Sanctuary, as well receiving the "Oscar for Marine Conservation", the "Global Ocean Refuge Award for Most Effective Conservation of Marine Life". We are very thankful to you, our guests, who make all our work possible.

What is special about Chumbe Reef Sanctuary?

Despite its relatively small size (55 ha), the Chumbe Reef Sanctuary is a significant and well enforced no-take area that has effectively been managed for nearly 30 years. Famous for its incredible biodiversity, the marine environment is teeming with life. Nearly 60 hard coral genera act like trees in a forest: they provide home, shelter and food for an impressive number of over 400 identified fish species and more than 235 recorded invertebrate species up to now.

What is special about these guide books?

These guide books were developed by a family that has been returning to Chumbe Island for 21 years! Countless hours' snorkelling in the Chumbe Reef Sanctuary, subsequent identification with the Chumbe Conservation Team and tireless editing back home in Germany resulted in Chumbe's first and unique underwater photo-guide in 2011. From there, the project has further developed into this edition 2024 which has grown into 6 book volumes.

We are especially honoured to have returning guests such as the Leyendecker family, and what an impressive work they have done with these guide books which have become the most popular and valued marine reference books on Chumbe Island. What an amazing achievement!

Happy species identification!



Ulli Kloiber  
Scientific adviser, Marine Biologist  
Chumbe Island Coral Park



## Dear visitors of Chumbe Island!

Thank you for your attention to this underwater photo guide which not only aims at showing you the beauty and diversity in the Chumbe Reef – its goal is also to inspire you to tell your family and friends about this special place, as visitors like us, who decide to stay on Chumbe Island, are the sustainable funding mechanism of this very unique conservation project.

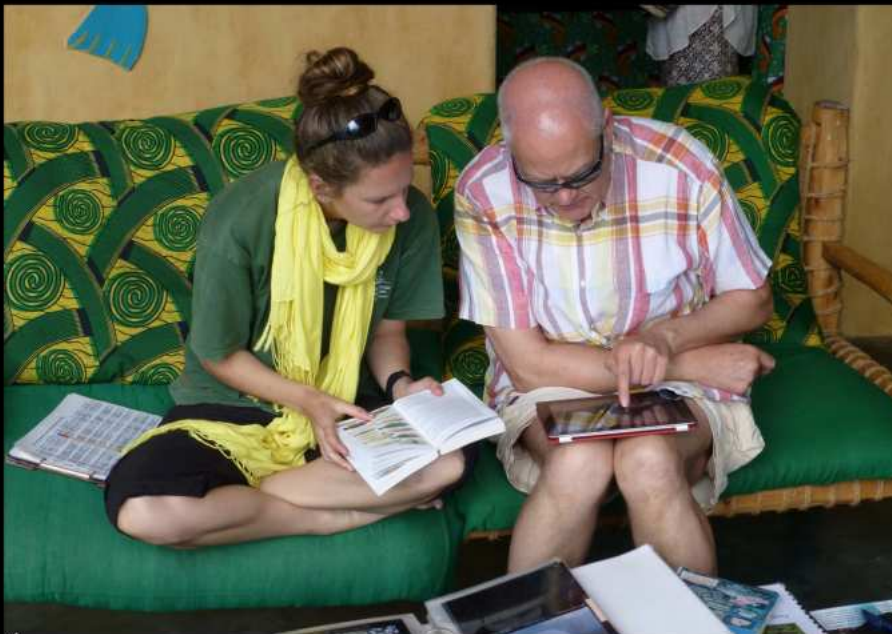
Our photo guide, digital edition 2024 is a collection of six volumes. Volume 1, 2, 3 and 4 focus on fish species and also include the common sea turtle species, while volumes 5 and 6 take a look at the high diversity of colorful invertebrate species found in the Chumbe reef.

The following pages of volume 1 include 149 identified species which we have discovered during our numerous snorkeling trips. However, this is only the tip of the iceberg, as an even higher diversity still lies hidden under the water surface, waiting to be discovered.

If you have taken a great photograph in the reef and you would like to contribute your image to our gallery, please send a high resolution copy to the Chumbe office: [conservation@chumbeisland.com](mailto:conservation@chumbeisland.com).

Enjoy!

October 2024  
Obertshausen, Germany  
Dr. Hans-Wilhelm Leyendecker, Editor



## Dear experts!

We need your help and assistance to further develop our photo guide.

It is our goal, to create a photo guide that holds accurate and scientifically correct information about the marine species found in the marine protected area.

We know, that this is not an easy task, given the fact that we are using only photographic evidence for species identification. However, together with your knowledge and experience, we will be able to increase the quality of scientific information presented in this guide book.

If you find any incorrect information in this guide, please inform the Chumbe management ([conservation@chumbeisland.com](mailto:conservation@chumbeisland.com)) and help us to make the next edition an even better one!

Thank you for your support.

October 2024  
 Obertshausen, Germany  
 Dr. Hans-Wilhelm Leyendecker, Editor

## Introduction: How to use this photo-guide?



The main aim of this photo guide is to allow YOU, the snorkeller, to identify the fishes you see when snorkeling in the Chumbe Reef Sanctuary. Up to now 530 identified fish species are inhabiting this reef (and many more are awaiting discovery!), this can be a challenging and confusing mission, especially for a beginner!

Many fish species have different colours in their juvenile and adult forms, in many cases juvenile, adult males and females have different colours and/or patterns, and on top of that many fish can change their colours in just a matter of seconds to match their mood or background. Also keep in mind that colour changes rapidly with depth as water absorbs light at the red end of the spectrum, which means for example that a purple fish in the shallow reef may appear blue when seen at a greater depth at the reef edge.

Now you can imagine that identifying a new fish is never that easy and trying to learn all the different species within the timeframe of a typical holiday is almost impossible! Therefore, we have put together some tips to help you to improve your identification skills which will make your snorkel experience even more fun and interesting:

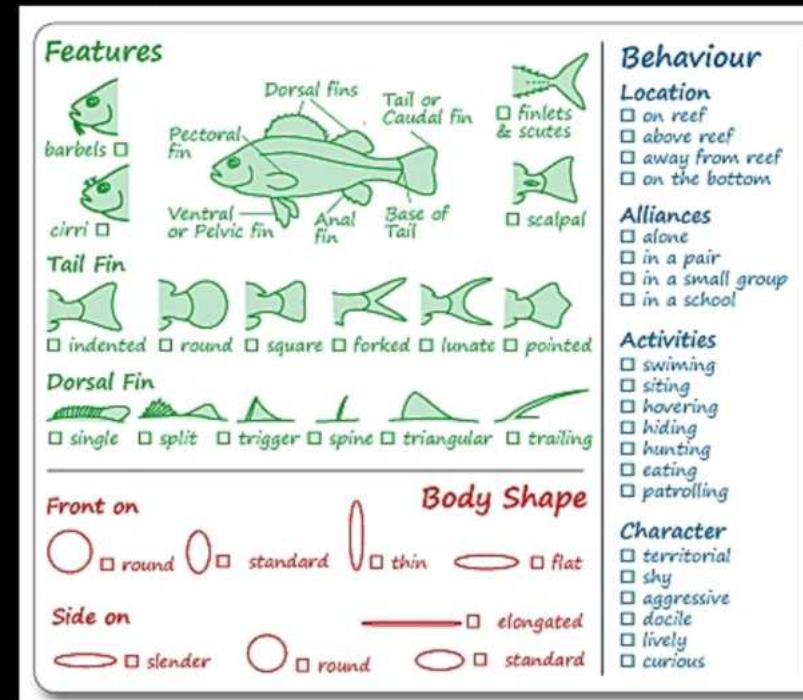
Get familiar with the common reef fish families (or just your favourites) and find out about their appearance and behaviour (our guiding rangers can help you with that). With a bit of knowledge it's easy to correctly identify most fish families and it is much easier to ID a fish if you know which family it is from.

The top 10 families seen in the Chumbe Reef are:

1. Damselfish / Pomacentridae
2. Wrasses / Labridae
3. Groupers / Serranidae
4. Snappers / Lutjanidae
5. Parrotfish / Scaridae
6. Angelfish / Pomacanthidae
7. Butterflyfish / Chaetodontidae
8. Sweetlips / Haemulidae
9. Rabbitfish / Siganidae
10. Surgeonfish / Acanthuridae

Don't just look at the fishes' appearance, observe it's behaviour as well. What the fish is doing can be just as helpful as what it looks like when you are trying to identify it. Is it on the bottom or hovering above the reef? Is it on its own or in a group? How does it swim and which fins does it use?

The slate below gives you an idea of what to look out for to help you identify a fish more easily.



**Features**

- barbels
- cirri
- Pectoral fin
- Ventral or Pelvic fin
- Anal fin
- Dorsal fins
- Tail or Caudal fin
- Base of Tail
- finlets & scutes
- scalpal

**Behaviour**

**Location**

- on reef
- above reef
- away from reef
- on the bottom

**Alliances**

- alone
- in a pair
- in a small group
- in a school

**Activities**

- swimming
- siting
- hovering
- hiding
- hunting
- eating
- patrolling

**Character**

- territorial
- shy
- aggressive
- docile
- lively
- curious

**Tail Fin**

- indented
- round
- square
- forked
- lunate
- pointed

**Dorsal Fin**

- single
- split
- trigger
- spine
- triangular
- trailing

**Front on**

- round
- standard
- thin
- flat

**Side on**

- slender
- round
- standard
- elongated

**Body Shape**

copyright http://www.underwaterasia.info/reef-spotter/fish-detective.php)

Try and look for your fish in this guide or another fish book as soon after the snorkeling as possible. Memories fade fast, especially when confronted with a page of 10 very similar looking reef fish.

Don't place too much importance on common English or German names. If you look a fish up in two different books, the chances are high that it will have different names, so if you want to compare between books - use the scientific name instead. These Latin names may at first sight seem unnecessarily long and unpronounceable, but they have the great advantage of being international!

With 413 fish species represented here in volume 1 to 4 of this guide are far away from being complete, however, it aims at displaying the commoner and more conspicuous fishes on the reef.

Let the mission start!



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### Carcharhinidae

### Requiem sharks



Carcharhinus melanopterus      Schwarzspitzen-Riffhai      Blacktip reef shark  
Photo: Leyendecker      2014 Chumbe Island, Zanzibar



Photo: Leyendecker      2009 Chumbe Island, Zanzibar

### Carcharhinidae

### Requiem sharks



Carcharhinus melanopterus      Schwarzspitzen-Riffhai      Blacktip reef shark  
Photo: Dr. H.-W. Leyendecker      2019 Chumbe Island, Zanzibar



Photo: Leyendecker      2014 Chumbe Island, Zanzibar

### Ginglymostomatidae

### Nurse sharks



*Pseudoginglymostoma brevicaudatum* Shorttail nurse shark  
Kurzschwanz Ammenhai  
Photo: Leyendecker 2016 Chumbe Island, Zanzibar

### Ginglymostomatidae

### Nurse sharks



*Pseudoginglymostoma brevicaudatum* Shorttail nurse shark  
Kurzschwanz Ammenhai  
Photo: Leyendecker 2016 Chumbe Island, Zanzibar

**Torpedinidae**

**Torpedo rays**



Torpedo fuscomaculata    Schwarztupfen-Torpedoroche    Black-spotted torpedo ray  
Photo: Leyendecker    2013 Chumbe Island, Zanzibar



Torpedo sinuspersici    Marmorierter Torpedoroche    Marbled electric ray  
Photo: Leyendecker    2017 Chumbe Island, Zanzibar

**Torpedinidae**

**Torpedo rays**



Torpedo sinuspersici    Marmorierter Torpedoroche    Marbled electric ray  
Photo: Leyendecker    2016 Chumbe Island, Zanzibar



Dasyatididae

Stingrays



*Pateobatis jenkinsii*  
Photo: Oskar Hendriksson

Jenkins Stechrochen

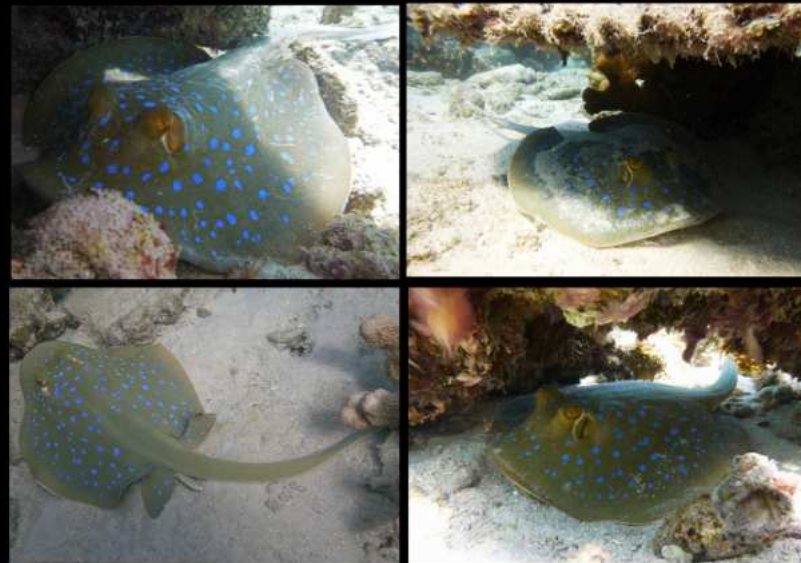
Jenkin's whipray  
2015 Chumbe Island, Zanzibar

### Dasyatididae

### Stingrays



Taeniura lymna      Blaupunkt-Stechrochen      Blue spotted stingray  
2009 Chumbe Island, Zanzibar



### Dasyatididae

### Stingrays



Neotrygon kuhlii      Kuhls Stechrochen      Kuhl's stingray  
2012 Chumbe Island, Zanzibar



### Muraenidae

### Moray eels



*Echidna nebulosa*

Sternfleckenmuräne

Snowflake moray eel  
2007 Chumbe Island, Zanzibar

### Muraenidae

### Moray eels



*Gymnomuraena zebra*  
Photo: Monica Hemming Rorvik

Zebramuräne

Zebra moray  
2017 Chumbe Island, Zanzibar



*Echidna nebulosa*  
Photo: Leyendecker

Sternfleckenmuräne

Snowflake moray eel  
2013 Chumbe Island, Zanzibar



*Gymnothorax flavimarginatus*

Rußkopfmuräne

Yellow-edged moray  
2013 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Gymnothorax griseus

Graue Muräne

Pepper moray, Geometric moray  
2013 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Gymnothorax griseus

Graue Muräne

Pepper moray, Geometric moray  
2007 Chumbe Island, Zanzibar



Gymnothorax griseus  
Photo: Leyendecker

Graue Muräne

Pepper moray, Geometric moray  
2009 Chumbe Island, Zanzibar

**Muraenidae**

**Moray eels**



*Gymnothorax javanicus*  
Photos: Leyendecker

Riesenmuräne

Giant moray  
2016 Chumbe Island, Zanzibar



**Muraenidae**

**Moray eels**



*Gymnothorax javanicus*

Riesenmuräne

Giant moray  
2014 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2014 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Gymnothorax meleagris      Weißmaulmuräne      White-mouth moray  
2014 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Gymnothorax meleagris      Weißmaulmuräne      White-mouth moray  
2006 Chumbe Island, Zanzibar



Gymnothorax tile      Goldstaubmuräne      Indian mud moray  
Photo: Dr. M. Leyendecker      2023 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Fluorescent juvenile *Gymnothorax pictus* at night in the shallow reef  
2017 Chumbe Island, Zanzibar



juvenile *Gymnothorax pictus*  
Photo: Chumbe office 2017 Chumbe Island, Zanzibar

Muraenidae

Moray eels



*Gymnothorax pictus* Gemalte Muräne Painted or Peppered moray  
2007 Chumbe Island, Zanzibar



*Gymnothorax pictus* Gemalte Muräne Painted or Peppered moray  
Photo: Dr. H.-W. Leyendecker 2018 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Gymnothorax zonipectis Weißflecken-Muräne(juvenil) Barredfin moray  
2013 Chumbe Island, Zanzibar



Photo: Leyendecker 2015 Chumbe Island, Zanzibar

Muraenidae

Moray eels



Scuticaria tigrina Leopardenmuräne Tiger reef eel  
Tigermuräne 2015 Chumbe Island, Zanzibar



Photo: Leyendecker 2016 Chumbe Island, Zanzibar

Muraenidae

Moray eels



*Uropterygius marmoratus*  
Photo: Markus Meissl

Marmorierte Muräne  
2013 Chumbe Island, Zanzibar

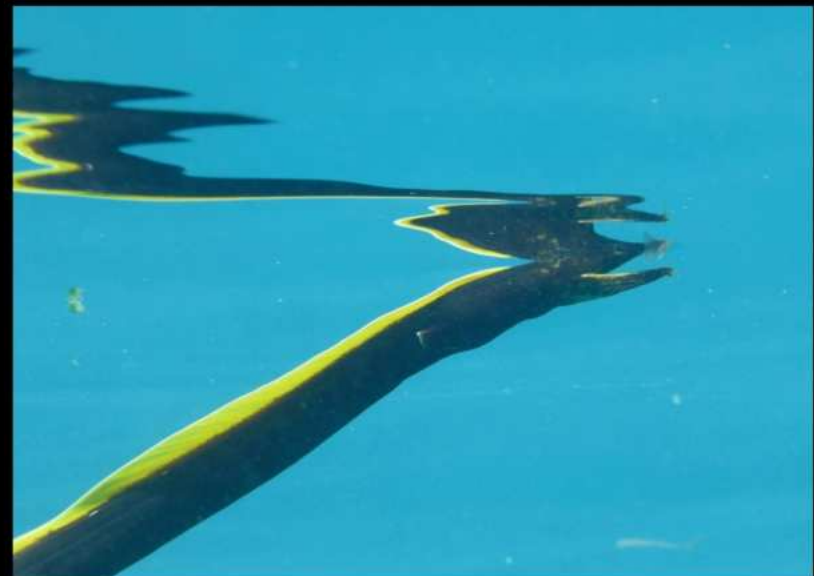
Muraenidae

Moray eels



*Rhinomuraena quaesita*

Geistermuräne (juvenile)  
2013 Chumbe Island, Zanzibar



### Congridae

### Garden eels



Heteroconger hassi  
Photo: Leyendecker

Ohrfleck-Röhrenaal

Spotted garden eel  
2017 Chumbe Island, Zanzibar

### Ophichthidae

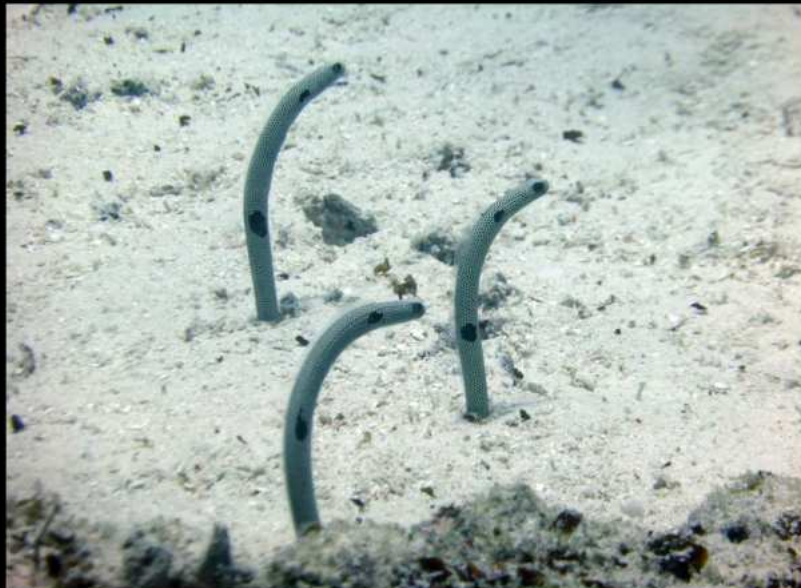
### Snake eels



Myrichthys colubrinus

Ringelschlängenaal

Banded snake eel  
2013 Chumbe Island, Zanzibar



Heteroconger hassi  
Photo: Dr. Valentina Herbring

Ohrfleck-Röhrenaal

Spotted garden eel  
2022 Mnemba Island, Zanzibar



**Bothidae**

**Flounders**



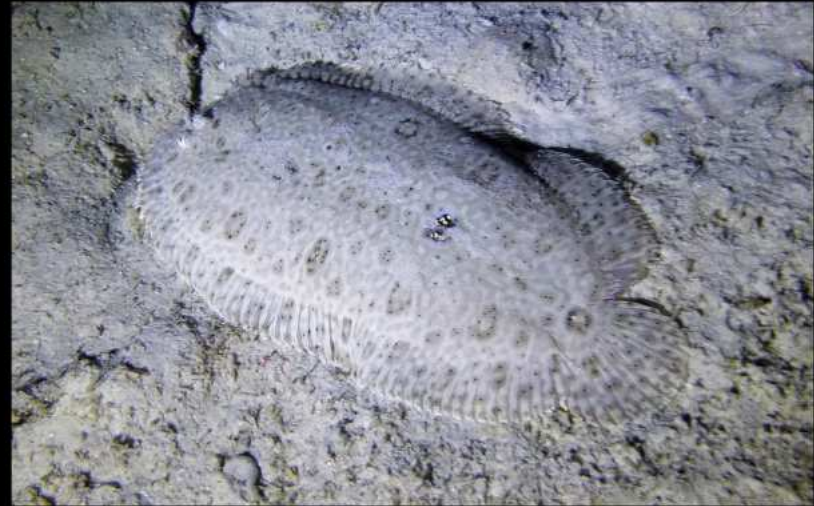
Bothus pantherinus  
Photos: Kerstin Erler

Leopardflunder

Panther flounder  
2017 Chumbe Island, Zanzibar

**Bothidae**

**Flounders**



Bothus pantherinus  
Photo: M. Leyendecker

Leopardflunder

Panther flounder  
2015 Chumbe Island, Zanzibar



juvenile

### Psettodidae

### Flounders



*Psettodes erumei*  
Photos: Kerstin Erler

Hartstrahlenflunder

Indian halibut  
2019 Chumbe Island, Zanzibar



### Soleidae

### True soles



*Pardachirus marmoratus*  
Photo: Markus Meissl

Mosesscholle

Finless sole  
2013 Chumbe Island, Zanzibar



Photo: Dr. M. Leyendecker

2023 Mnemba, Zanzibar

### Plotosidae

### Eel catfishes



*Plotosus lineatus*

Gestreifter Korallenwels

Striped eel catfish  
2010 Chumbe Island, Zanzibar

### Synodontidae

### Lizardfishes



*Saurida gracilis*

Graziler Eidechsenfisch

Photo: Dr. H.-W. Leyendecker

Gracile lizardfish  
2009 Chumbe Island, Zanzibar



2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2014 Chumbe Island, Zanzibar

### Synodontidae

### Lizardfishes



Synodus variegatus  
Photo: Dr. H.-W. Leyendecker

Riff-Eidechsenfisch

Variiegated lizardfish  
2020 Chumbe Island, Zanzibar



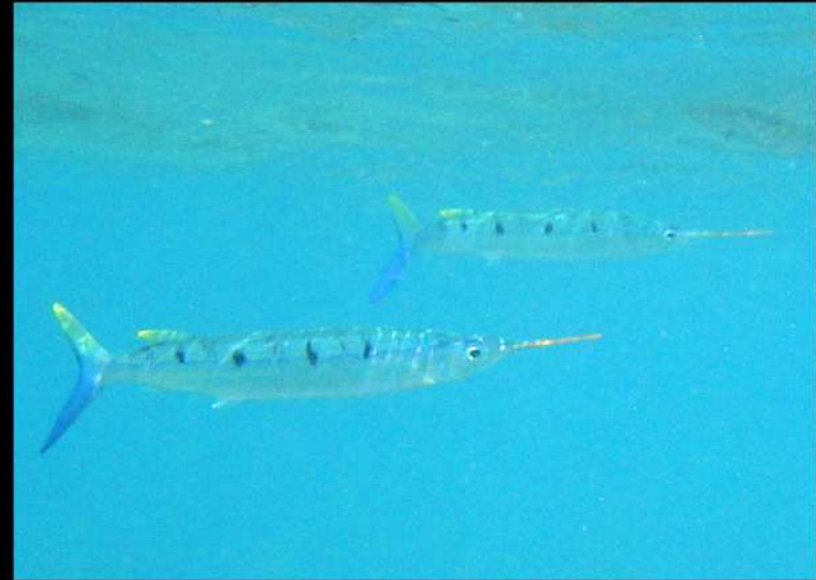
Synodus variegatus  
Photo Dr. H.-W. Leyendecker

Riff-Eidechsenfisch

Variiegated lizardfish  
2014 Chumbe Island, Zanzibar

### Hemirhamphidae

### Halfbeaks



Hemiramphus far

Halbschnäbler

Spotted halfbeak  
2005 Chumbe Island, Zanzibar

### Belonidae

### Needlefishes



*Strongylura leiura*

Hornhecht

Banded needlefish  
2010 Chumbe Island, Zanzibar



Photo: Leyendecker

2015 Chumbe Island, Zanzibar

### Holocentridae

### Soldierfishes



*Myripristis violacea*

Veilchen-Soldatenfisch

Lattice soldierfish  
2013 Chumbe Island, Zanzibar



*Myripristis violacea*

Veilchen-Soldatenfisch

Lattice soldierfish  
2023 Mnemba, Zanzibar

**Holocentridae**

**Soldierfishes**



Neoniphon opercularis      Schwarzflossen-Husarenfisch      Blackfin squirrel  
Photo: Dr. H.-W. Leyendecker      2022 Chumbe Island, Zanzibar

**Holocentridae**

**Soldierfishes**



Sargocentron caudimaculatum      Silberfleck Husar      Silverspot squirrelfish  
Photos: Jorge Santamaria Perez      2016 Chumbe Island, Zanzibar



Neoniphon sammara      Blutfleck Husarenfisch      Bloodspot squirrel  
Photo Dr. M. Leyendecker      2023 Mnemba, Zanzibar



Sargocentron caudimaculatum      Silberfleck Husar      Silverspot squirrelfish  
Photo: Dr. Martin Leyendecker      2022 Chumbe Island, Zanzibar

**Holocentridae**

**Soldierfishes**



Sargocentron diadema  
Photo: Dr. Valentina Herbring

Diadem Husar

Crown squirrel  
2023 Mnemba, Zanzibar

**Holocentridae**

**Soldierfishes**



Sargocentron spiniferum  
Photo: Leyendecker

Großdom-Husarenfisch  
Riesenhisar

Sabre squirrelfish  
2018 Chumbe Island, Zanzibar



48 Sargocentron melanospilos  
Photo: Leyendecker

Schwarzflecken-Husarenfisch

Blackspot squirrelfish  
2016 Chumbe Island, Zanzibar



Antennariidae

Anglerfishes



Antennarius commerson      Commersons Anglerfisch      Giant frogfish  
Photo: Dr. Martin Leyendecker      adult      2022 Chumbe Island, Zanzibar

Antennariidae

Anglerfishes



Antennarius commerson      Commersons Anglerfisch      Giant frogfish  
Photo: Dr. Martin Leyendecker      adult      2022 Chumbe Island, Zanzibar



Antennarius commerson      Commersons Anglerfisch      Giant frogfish  
Photo: Dr. Valentina Herbring      adult      2023 Mnemba, Zanzibar



Antennarius commerson      Commersons Anglerfisch      Giant frogfish  
Photo: Dr. Valentina Herbring      adult      2023 Mnemba, Zanzibar

Antennariidae

Anglerfishes



Antennarius pictus Rundflecken-Anglerfisch Painted frogfish  
Photo: Martin Leyendecker adult 2017 Chumbe Island, Zanzibar

Antennariidae

Anglerfishes



Antennarius pictus Rundflecken-Anglerfisch Painted frogfish  
Photo: Kerstin Erler juvenile 2017 Chumbe Island, Zanzibar



Photo: Martin Leyendecker juvenile 2017 Chumbe Island, Zanzibar

### Dactylopteridae

### Gunards



*Dactyloptena orientalis*  
Photo: Ulli Kloiber

Orientalischer Knurrhahn

Oriental flying gunard  
2012 Chumbe Island, Zanzibar



Photo: Ulli Kloiber

2012 Chumbe Island, Zanzibar

### Atherinopsidae

### Silversides



*Atherina boyeri*

Kleiner Ährenfisch

Old world silversides  
or Big scale sand smelt  
2010 Chumbe Island, Zanzibar



*Hypoatherina temminckii*  
Photo: Dr. H.-W. Leyendecker

Samoa Ährenfisch

Samoa silverside  
2023 Chumbe Island, Zanzibar

### Carapidae

### Pearlfishes



Encheliophis homei

Silberner Eingeweidefisch  
2013 Chumbe Island, Zanzibar

Silver pearlfish

### Fistulariidae

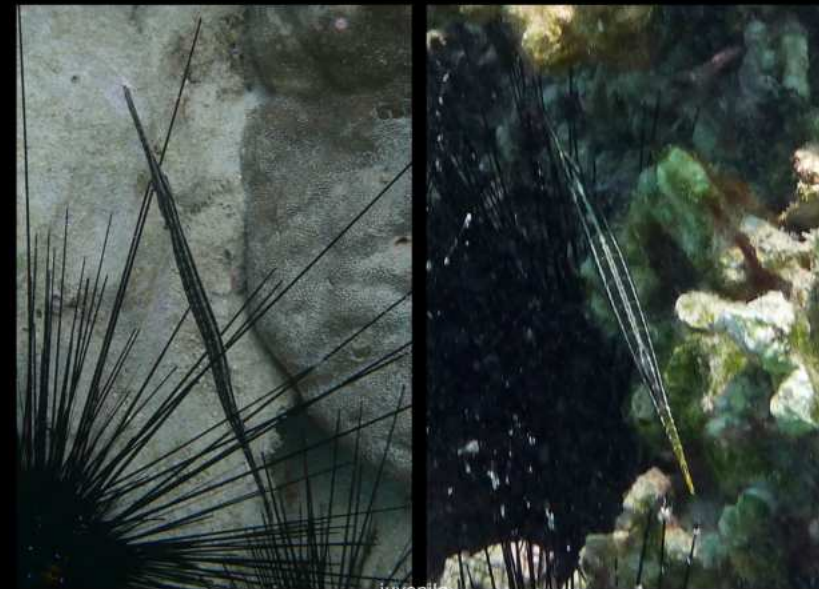
### Flutemouths



Fistularia commersonii

Flötenfisch

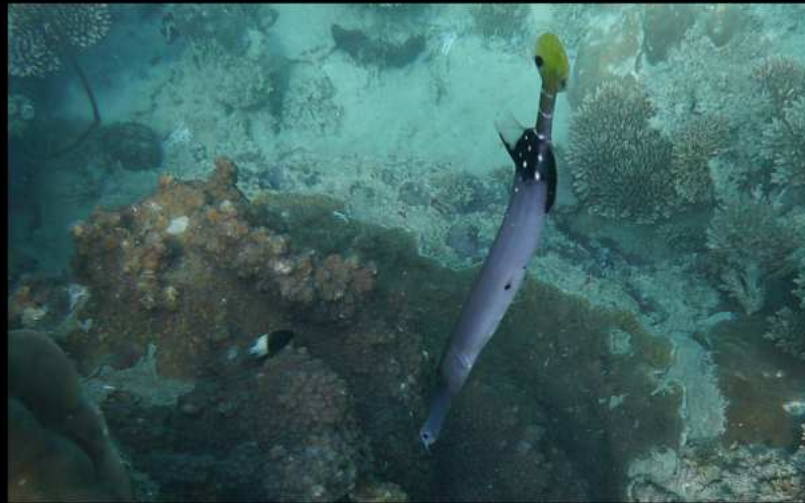
Bluespotted cornetfish  
2010 Chumbe Island, Zanzibar



juvenile

**Aulostomidae**

**Trumpetfishes**



Aulostomus chinensis

Trompetenfisch

Trumpetfish  
2010 Chumbe Island, Zanzibar

**Aulostomidae**

**Trumpetfishes**



Aulostomus chinensis  
Photo: Dr. Valentina Herbring

Gelber Trompetenfisch

Yellow trumpetfish  
2022 Mnemba Island, Zanzibar



Trumpetfish (hunting with grouper)



Aulostomus chinensis  
Photo: Dr. Martin Leyendecker

Trompetenfisch

Trumpetfish  
2022 Chumbe Island, Zanzibar

### Pegasidae

### Seamoths



*Eurypegasus draconis*  
Photo: Martin Leyendecker

Seemotte  
female

Short dragonfish, Sea moth  
2017 Chumbe Island, Zanzibar

### Pegasidae

### Seamoths



*Eurypegasus draconis*  
Photo: Martin Leyendecker

Seemotte  
male

Short dragonfish, Sea moth  
2017 Chumbe Island, Zanzibar



### Solenostomidae

### Ghost pipefishes



*Solenostomus cyanopterus*  
Photo: Frida Lanshammar

Seegrasgeisterfisch

Seagrass ghost pipefish  
2006 Chumbe Island, Zanzibar



Photo: Kerstin Eler

2017 Chumbe Island, Zanzibar

### Centriscidae

### Shrimpfishes



*Aeoliscus punctulatus*  
Photo: Olivia McGrath

Schnepfenmesserfisch

Speckled shrimpfish  
2014 Chumbe Island, Zanzibar



Photo: Olivia McGrath

### Syngnathidae

### Seahorses



Hippocampus histrix  
Photo: Dr. Valentina Herbring

Domiges Seepferdchen  
yellow variant

Thorny seahorse  
2022 Chumbe Island, Zanzibar



Hippocampus histrix  
Photo: Dr. Martin Leyendecker

Domiges Seepferdchen

Thorny seahorse  
2022 Chumbe Island, Zanzibar

### Syngnathidae

### Seahorses



Hippocampus histrix  
Photo: Dr. Martin Leyendecker

Domiges Seepferdchen

Thorny seahorse  
2022 Chumbe Island, Zanzibar

### Syngnathidae

### Pipefishes



Corythoichthys flavofasciatus  
Photo: Martin Leyendecker

Netz-Seenadel

Network pipefish  
2013 Chumbe Island, Zanzibar

### Syngnathidae

### Pipefishes



Corythoichthys intestinatis  
Photos: Martin Leyendecker

Drachenkopf-Seenadel

Scribbled pipefish  
2015 Chumbe Island, Zanzibar



Photo: Markus Meissl

2015 Chumbe Island, Zanzibar



Sygnathidae

Pipefishes



Corythoichthys ocellatus Orangepunkt-Seenadel Ocellated pipefish  
Photo: Martin Leyendecker 2018 Chumbe Island, Zanzibar

Sygnathidae

Pipefishes



Corythoichthys ocellatus Orangepunkt-Seenadel Ocellated pipefish  
Photos: Martin Leyendecker 2017 Chumbe Island, Zanzibar



68 Photo: Martin Leyendecker 2017 Chumbe Island, Zanzibar



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### Syngnathidae

### Pipefishes



*Halicampus spirostris*      Stachelschnauzen-Seenadel      *Spirostris* pipefish  
Photos: Martin Leyendecker      2018 Chumbe Island, Zanzibar



### Syngnathidae

### Pipefishes



*Trachyrhamphus bicoarctatus*      Schwanzlose Seenadel      Double-ended pipefish  
Photo: Olivia McGrath      2014 Chumbe Island, Zanzibar



Photo: Markus Meissl      2015 Chumbe Island, Zanzibar

Scorpaenidae

Scorpionfishes



Dendrochirus biocellatus Pfauenaugen-Zwergfeuerfisch Ocellated lionfish  
Photos: Kerstin Erler 2017 Chumbe Island, Zanzibar



Scorpaenidae

Scorpionfishes



Dendrochirus brachypterus Kurzflossen-Zwergfeuerfisch Shortfin turkeyfish  
Photos: Dr. Valentina Herbring 2023 Chumbe Island, Zanzibar



juvenile

### Scorpaenidae

### Scorpionfishes



Dendrochirus zebra  
Photo: Martin Leyendecker

Zebra-Zwergfeuerfisch  
2017 Chumbe Island, Zanzibar

Zebra turkeyfish

### Scorpaenidae

### Scorpionfishes



Dendrochirus zebra  
Photos: Martin Leyendecker

Zebra-Zwergfeuerfisch

Zebra turkeyfish  
2015 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Inimicus filamentosus  
Photos: Martin Leyendecker

Indischer Wanderer

Indian Ocean walkman  
2012 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Inimicus filamentosus  
Photos: Martin Leyendecker

Indischer Wanderer

Indian Ocean walkman  
2012 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



*Inimicus filamentosus*  
Photo: Ulli Kloiber

Indischer Wanderer  
juvenile

Indian Ocean walkman  
2017 Chumbe Island, Zanzibar



Photo: Ulli Kloiber

juvenile

2017 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



*Inimicus filamentosus*  
Photo: Ulli Kloiber

Indischer Wanderer  
juvenile

Indian Ocean walkman  
2017 Chumbe Island, Zanzibar

Scorpaenidae

Scorpionfishes



*Pterois antennata* Antennen-Rotfeuerfisch Spotfin lionfish or Antenna firefish  
Photos: Martin Leyendecker 2015 Chumbe Island, Zanzibar



Scorpaenidae

Scorpionfishes



*Pterois antennata* Antennen-Rotfeuerfisch Spotfin lionfish or Antenna firefish  
Photo: Martin Leyendecker 2015 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



Pterois antennata Antennen-Rotfeuerfisch  
Photo: Martin Leyendecker

Spotfin lionfish or Antenna firefish  
2015 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



Pterois mombasae  
Photos: Martin Leyendecker

Afrikanischer Rotfeuerfisch

Frillfin turkeyfish  
2017 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Pterois miles  
Photos: Martin Leyendecker

Indischer Rotfeuerfisch

Indian lionfish  
2005 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Pterois miles  
Photos: Martin Leyendecker

Indischer Rotfeuerfisch  
(juvenile)

Indian lionfish  
2012 Chumbe Island, Zanzibar



Scorpaenidae

Scorpionfishes



Pterois radiata Strahlen-Rotfeuerfisch  
Photos: Martin Leyendecker

Clearfin lionfish or Radiating firefish  
2015 Chumbe Island, Zanzibar



Scorpaenidae

Scorpionfishes



Pterois radiata Strahlen-Rotfeuerfisch  
Photos: Martin Leyendecker

Clearfin lionfish or Radiating firefish  
2015 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



*Parascorpaena aurita*  
Photos: Martin Leyendecker

Drachenkopf

Golden scorpionfish  
2015 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



*Parascorpaena mossambica*  
Photo: Kerstin Erler

Mozambique-Drachenkopf

Mozambique scorpionfish  
2015 Chumbe Island, Zanzibar



*Scorpaenopsis barbata*  
Photo: Martin Leyendecker

Bärtiger Drachenkopf

Bearded scorpionfish  
2015 Chumbe Island, Zanzibar

**Scorpaenidae**

**Scorpionfishes**



Scorpaenopsis diabolus  
Photos: Martin Leyendecker

Buckel-Drachenkopf

Devil scorpionfish  
2008 Chumbe Island, Zanzibar



**Scorpaenidae**

**Scorpionfishes**



Scorpaenopsis diabolus  
Photos: Martin Leyendecker

Buckel-Drachenkopf

Devil scorpionfish  
2012 Chumbe Island, Zanzibar



Scorpaenopsis diabolus  
Photos: Dr. M. Leyendecker

Buckel-Drachenkopf

Devil scorpionfish  
2023 Mnemba, Zanzibar

### Scorpaenidae

### Scorpionfishes



Scorpaenopsis oxycephalus  
Photo: Kerstin Erler

Bärtiger Drachenkopf

Tassled scorpionfish  
2017 Chumbe Island, Zanzibar



Photo: Martin Leyendecker

2017 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



Sebastapistes cyanostigma  
Photos: Martin Leyendecker  
Gelbflecken-Drachenkopf  
2012 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Sebastapistes cyanostigma  
Photos: Martin Leyendecker  
Gelbflecken-Drachenkopf  
2015 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Sebastapistes ballieui  
Photo: Martin Leyendecker

Skorpionfisch

Spotfin scorpionfish  
2015 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



Sebastapistes strongia  
Photo: Dr. Martin Leyendecker

Skorpionfisch

Barchin scorpion  
2023 Chumbe Island, Zanzibar



Sebastapistes strongia  
Photo: Dr. Martin Leyendecker

Skorpionfisch

Barchin scorpion  
2023 Chumbe Island, Zanzibar

### Scorpaenidae

### Scorpionfishes



Taenianotus triacanthus  
Photos: Leyendecker

Großer Schaukelfisch  
colour variant

Leaf scorpionfish  
2017 Chumbe Island, Zanzibar



### Scorpaenidae

### Scorpionfishes



Taenianotus triacanthus  
Photo: Martin Leyendecker

Großer Schaukelfisch

Leaf scorpionfish  
2006 Chumbe Island, Zanzibar



Taenianotus triacanthus  
Photo: Dr. Martin Leyendecker

Großer Schaukelfisch  
colour variant

Leaf scorpionfish  
2022 Mnemba Island, Zanzibar

**Platycephalidae**

**Crocodilefishes**



*Papilloculiceps longiceps*  
Photo: Leyendecker

Krokodilfisch

Crocodilefish or Tentacled flathead  
2009 Chumbe Island, Zanzibar



Photo: Leyendecker

2014 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Aethaloperca rogae      Rotmaul-Zackenbarsch      Redmouth rockcod  
Photo: Dr. H.-W. Leyendecker      adult male      2015 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Aethaloperca rogae      Rotmaul-Zackenbarsch      Redmouth rockcod  
Photo: Martin Leyendecker      2010 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker  
adult female



Photo: Dr. H.-W. Leyendecker      juvenile      2016 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Cephalopholis boenak  
Photo: Martin Leyendecker

Riffbarsch

Chocolate hind  
2018 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Cephalopholis argus

Pfauen-Zackenbarsch

Peacock grouper  
2014 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2019 Chumbe Island, Zanzibar



hunting with trumpetfish

### Epinephelinae

### Groupers



Cephalopholis leopardus  
Photo: Dr. Valentina Herbring

Leopard-Zackenbarsch

Leopard hind  
2023 Mnemba, Zanzibar

### Epinephelinae

### Groupers



Cephalopholis miniata  
Photo: Martin Leyendecker

Juwelen-Zackenbarsch

Coral grouper  
2014 Chumbe Island, Zanzibar



Photo: Aaron Critchley

2016 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



*Cephalopholis sexmaculata*  
Photo: Martin Leyendecker

Sechsstreifen-Zackenbarsch

Sixbloch hind  
2014 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



*Cephalopholis nigripinnis*  
Photos: Dr. M. Leyendecker

Zackenbarsch

Blackfin grouper  
2023 Mnemba, Zanzibar



### Epinephelinae

### Groupers



*Dermatolepis striolata*      Zackenbarsch      Smooth rockcod  
Photo: Dr. H.-W. Leyendecker      2016 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



*Epinephelus flavocaeruleus*      Zackenbarsch      Blue-and-yellow grouper  
Photos: Dr. H.-W. Leyendecker      2019 Chumbe Island, Zanzibar



*Epinephelus flavocaeruleus*      Zackenbarsch      Blue-and-yellow grouper  
Photo: Dr. H.-W. Leyendecker      2019 Chumbe Island, Zanzibar



### Epinephelinae

### Groupers



Epinephelus fuscoguttatus      Stierkopf-Zackenbarsch      Brownmarbled grouper  
Photo: Dr. H.-W. Leyendecker      2022 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Epinephelus fuscoguttatus      Stierkopf-Zackenbarsch      Brownmarbled grouper  
Photo: Dr. H.-W. Leyendecker      2020 Chumbe Island, Zanzibar



Photo: Martin Leyendecker

2016 Chumbe Island, Zanzibar

# Epinephelinae

# Groupers



Variola louti Mondsichel-Juwelenbarsch Lyretail grouper  
Photo: Dr. Valentina Herbring 2023 Mnemba, Zanzibar

# Epinephelinae

# Groupers



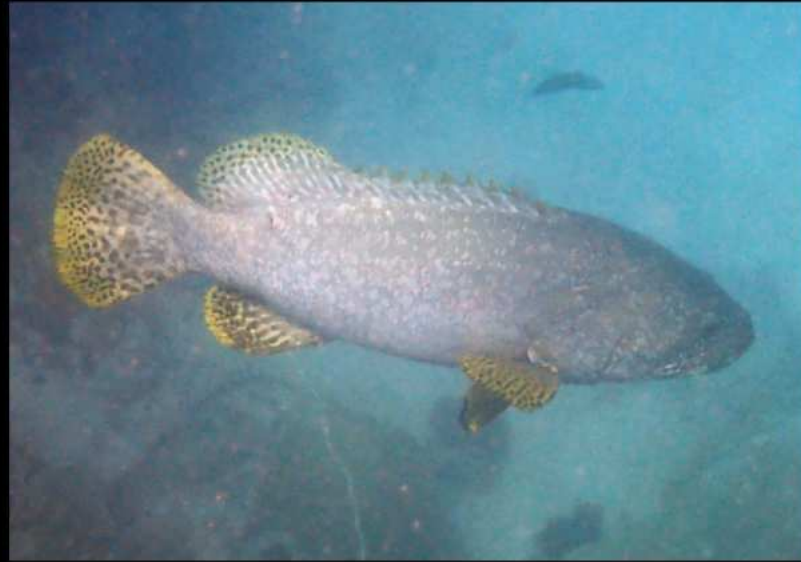
Epinephelus hexagonatus Hexagon-Zackenbarsch Starspotted grouper  
Photo: Dr. Valentina Herbring 2022 Chumbe Island, Zanzibar



Epinephelus hexagonatus Hexagon-Zackenbarsch Starspotted grouper  
Photo: Dr. Valentina Herbring 2022 Chumbe Island, Zanzibar

Epinephelinae

Groupers



Epinephelus lanceolatus  
Photos: Helen Peeks

Riesen-Zackenbarsch

Giant grouper  
2021 Chumbe Island, Zanzibar



Epinephelinae

Groupers



Epinephelus lanceolatus  
Photos: Helen Peeks

Riesen-Zackenbarsch

Giant grouper  
2021 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Epinephelus leucogrammicus      Spitzkopf-Zackenbarsch      White-lined grouper  
2013 Chumbe Island, Zanzibar



### Epinephelinae

### Groupers



Epinephelus macrospilos      Waben-Zackenbarsch      Subnose grouper  
Photos: Martin Leyendecker      2013 Chumbe Island, Zanzibar



### Epinephelinae

### Groupers



Epinephelus malabaricus Malabar-Zackenbarsch Malabar grouper  
Photos: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar



### Epinephelinae

### Groupers



Epinephelus malabaricus Malabar-Zackenbarsch Malabar grouper  
Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Epinephelus ongus      Perlenketten-Zackenbarsch      Specklefin grouper  
Photo: Martin Leyendecker      juvenile      2014 Chumbe Island, Zanzibar

### Epinephelinae

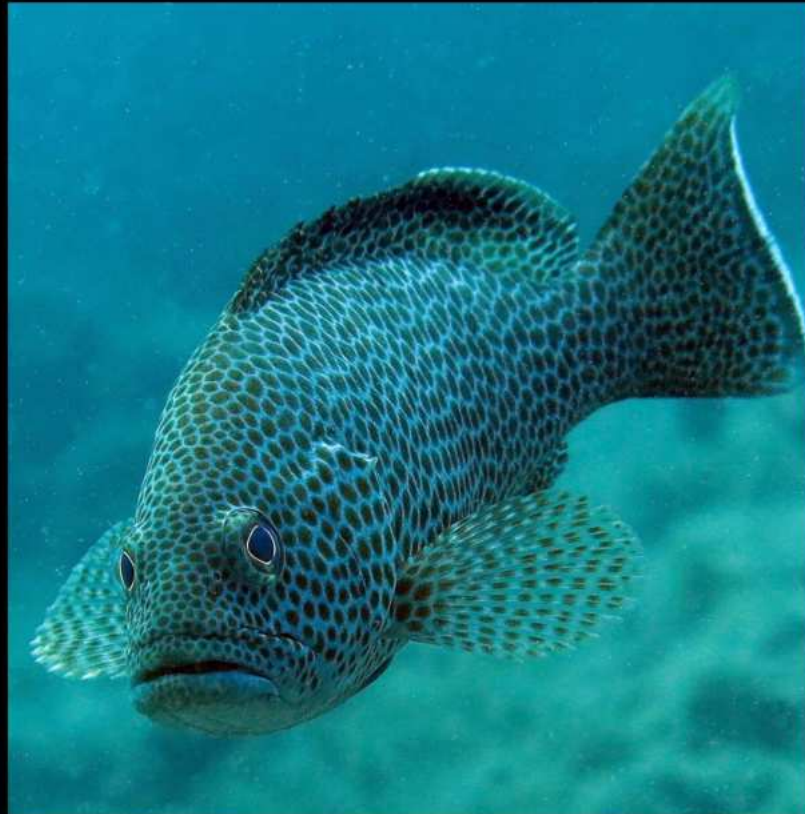
### Groupers



Epinephelus merra      Honigwaben-Zackenbarsch      Honeycomb grouper  
Photos: Dr. Martin Leyendecker      2022 Chumbe Island, Zanzibar

Epinephelinae

Groupers



Epinephelus polylepis  
Photo: Kerstin Erler

Zackenbarsch

Smallscaled grouper  
2017 Chumbe Island, Zanzibar

Epinephelinae

Groupers



Epinephelus polylepis  
Photos: Kerstin Erler

Zackenbarsch

Smallscaled grouper  
2017 Chumbe Island, Zanzibar



### Epinephelinae

### Groupers



*Epinephelus spilotoceps*  
Photo: Martin Leyendecker

Vierfleck-Wabenbarsch

Foursaddle grouper  
2017 Chumbe Island, Zanzibar



Photo: Martin Leyendecker

2010 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



*Plectropomus laevis*

Sattel-Forellenbarsch  
adult male

Blacksaddle grouper  
2007 Chumbe Island, Zanzibar



*Plectropomus laevis*  
Photo: Ulli Kloiber

Sattel-Forellenbarsch  
juvenile

Blacksaddle grouper  
2011 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Plectropomus punctatus Afrika-Forellenbarsch African grouper  
2015 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar

### Epinephelinae

### Groupers



Plectropomus punctatus Afrika-Forellenbarsch African grouper  
Photo: Dr. H.-W. Leyendecker female 2016 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker female 2019 Chumbe Island, Zanzibar

**Anthiinae**

**Basslets**



Pseudanthias bicolor      Zweifarben Fahnenbarsch      Bicolor anthias  
Photo: Dr. Valentina Herbring      2022 Mnemba Island, Zanzibar

**Anthiinae**

**Basslets**



Pseudanthias squamipinnis      Juwelen-Fahnenbarsch      Scalefin basslet  
Photo: Dr. M. Leyendecker      2023 Mnemba, Zanzibar



Pseudanthias cooperi      Coopers Fahnenbarsch      Cooper's fairy basslet  
Red bar anthias  
2010 Chumbe Island, Zanzibar



### Grammistinae

### Soapfishes



Grammistes sexlineatus    Sechsstreifen-Seifenbarsch    Sixstriped soapfish  
Photos: Martin Leyendecker    2018 Chumbe Island, Zanzibar



### Priacanthidae

### Bigeyes



Priacanthus hamrur    Riff-Großaugenbarsch    Moontail bullseye  
Photos: Martin Leyendecker    2007 Chumbe Island, Zanzibar



Priacanthus hamrur    Riff-Großaugenbarsch    Moontail bullseye  
Photos: Dr. M. Leyendecker    2023 Mnemba, Zanzibar

### Priacanthidae

### Bigeyes



*Priacanthus blochii* Bloch's Großaugenbarsch  
Photos: Martin Leyendecker

*Paeony bulleye*  
2015 Chumbe Island, Zanzibar



### Apogonidae

### Cardinalfishes



*Apogonichthyoides nigripinnis*  
Photos: Dr. Valentina Herbring

Kardinalbarsch

Bullseye cardinalfish  
2023 Chumbe Island, Zanzibar



## Apogonidae

## Cardinalfishes



*Apogonichthys perdix*  
 Photo: Valentina Herbring

Kardinalbarsch  
 juvenile

*Perdix cardinalis*  
 2018 Chumbe Island, Zanzibar



*Archamia bleekeri*  
 Photo: Aaron Critchley

Kardinalbarsch

Gon's cardinalfish  
 2016 Chumbe Island, Zanzibar

## Apogonidae

## Cardinalfishes



*Cheilodipterus arabicus*  
 Photo: Martin Leyendecker

Tiger-Kardinalbarsch

*Tiger cardinalis*  
 2015 Chumbe Island, Zanzibar



*Cheilodipterus artus*  
 Photo: Martin Leyendecker

Wolfs-Kardinalbarsch

Lined cardinalfish  
 2013 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



Cheilodipterus macrodon Langzahn Kardinalbarsch Large toothed cardinalfish  
Photo: Martin Leyendecker 2013 Chumbe Island, Zanzibar



Cheilodipterus pygmaios Kardinalbarsch Cardinalfish  
Photo: Martin Leyendecker 2015 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



Cheilodipterus quinquelineatus Fünflinien-Kardinalbarsch Five-lined cardinalfish  
Photos: Martin Leyendecker 2013 Chumbe Island, Zanzibar



fluorescent at night



Cheilodipterus quinquelineatus Fünflinien-Kardinalbarsch Five-lined cardinalfish  
Photo: Dr. Valentina Herbring 2023 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



*Nectamia bandanensis*  
Photos: Martin Leyendecker

Kardinalbarsch

Bigeye cardinalfish  
2013 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



*Ostorhinchus aureus*  
Photo: Martin Leyendecker

Sonnenkardinalbarsch

Ring-tailed cardinalfish  
2015 Chumbe Island, Zanzibar



Photo: Dr. M. Leyendecker

2023 Chumbe Island, Zanzibar

Apogonidae

Cardinalfishes



*Pristiapogon exostigma* Augenschatten-Kardinalbarsch Narrowstripe cardinalfish  
Photo: Kerstin Erler 2017 Chumbe Island, Zanzibar

Apogonidae

Cardinalfishes



*Rhabdamia gracilis* Leuchtkardinalbarsch Luminous or Slender cardinal  
Photo: Martin Leyendecker 2015 Chumbe Island, Zanzibar



Photo: Martin Leyendecker 2016 Chumbe Island, Zanzibar



*Pristiapogon exostigma* Augenschatten-Kardinalbarsch Narrowstripe cardinalfish  
Photo: Martin Leyendecker 2016 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



*Siphamia tubifer*  
Photo: Martin Leyendecker

Kardinalbarsch

*Tubifer cardinalfish*  
2015 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



*Taeniamia bilineata*  
Photos: Martin Leyendecker

Kardinalbarsch

Cardinalfish  
2015 Chumbe Island, Zanzibar



### Apogonidae

### Cardinalfishes



*Taeniamia fucata* Orangelinien-Kardinalbarsch Orangelined cardinalfish  
Photo: Martin Leyendecker 2013 Chumbe Island, Zanzibar

### Apogonidae

### Cardinalfishes



*Zoramia leptacanthus* Fadenflossen-Kardinalbarsch Threadfin cardinalfish  
Photo: Olivia McGrath 2014 Chumbe Island, Zanzibar



Photo: Olivia McGrath 2014 Chumbe Island, Zanzibar



Photo: Valentina Herbring 2018 Chumbe Island, Zanzibar

Haemulidae

Sweetlips



Diagramma pictum  
Photos: Kerstin Erler

Silber-Süßlippe  
juvenile

Slatey sweetlip  
2017 Chumbe Island, Zanzibar

Haemulidae

Sweetlips



Diagramma pictum  
Photo: Martin Leyendecker

Silber-Süßlippe

Slatey sweetlip  
2005 Chumbe Island, Zanzibar



Diagramma pictum  
Photo: Dr. H.-W. Leyendecker

Silber-Süßlippe

Slatey sweetlip  
2019 Chumbe Island, Zanzibar

### Haemulidae

### Sweetlips



*Plectorhinchus flavomaculatus*    Orangetupfen-Süßlippe    Goldspotted sweetlip  
Photos: Leyendecker    2016 Chumbe Island, Zanzibar

### Haemulidae

### Sweetlips



*Plectorhinchus gaterinus*    Schwarztupfen-Süßlippe    Blackspotted sweetlip  
Photo: Martin Leyendecker    2010 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker    juvenile form    2019 Chumbe Island, Zanzibar

Haemulidae

Sweetlips



*Plectorhinchus gibbosus*  
Photos: Dr. H.-W. Leyendecker

Harys Süßlippe

Harry hottlips  
2016 Chumbe Island, Zanzibar

Haemulidae

Sweetlips



*Plectorhinchus plagiodesmus*  
Photos: Dr. H.-W. Leyendecker

Süßlippe

Barred rubberlip  
2020 Chumbe Island, Zanzibar



### Haemulidae

### Sweetlips



*Plectorhinchus schotaf*      Graue Süßlippe      Grey or Minstrel sweetlip  
Photo: Martin Leyendecker      2010 Chumbe Island, Zanzibar



Photo: Aaron Critchley      2016 Chumbe Island, Zanzibar

### Haemulidae

### Sweetlips



*Plectorhinchus vittatus*      Orient-Süßlippe      Oriental sweetlip  
Photo: Martin Leyendecker      2013 Chumbe Island, Zanzibar



*Plectorhinchus vittatus*      Orient-Süßlippe      Oriental sweetlip  
Photo: Martin Leyendecker      2009 Chumbe Island, Zanzibar

Lutjanidae

Snappers



Lutjanus argentimaculatus Mangroven Schnapper Mangrove snapper  
Photo: Dr. H.-W. Leyendecker 2019 Chumbe Island, Zanzibar

Lutjanidae

Snappers



Lutjanus bohar Doppelfleck-Schnapper Twinspot snapper  
Photos: Martin Leyendecker juvenile 2012 Chumbe Island, Zanzibar



156 Lutjanus fulviflamma Schwarzflecken-Schnapper Dory snapper  
Photo: Martin Leyendecker 2010 Chumbe Island, Zanzibar



juvenile 2015 Chumbe Island, Zanzibar

## Lutjanidae

## Snappers



*Lutjanus kasmira*  
 Photo: Dr. M. Leyendecker

Blaustreifen-Schnapper

Common bluestripe snapper  
 2023 Mnemba, Zanzibar



*Lutjanus kasmira*  
 Photo: Dr. Valentina Herbring

Blaustreifen-Schnapper  
 juvenile

Common bluestripe snapper  
 2022 Chumbe Island, Zanzibar

## Lutjanidae

## Snappers



*Lutjanus monostigma*  
 Photo: Markus Meissl

Einleck-Schnapper

One-spot snapper  
 2013 Chumbe Island, Zanzibar



Lutjanidae

Snappers



Lutjanus rivulatus      Blautilippen Schnapper      Scribbled snapper  
Photo: Dr. H.-W. Leyendecker      2019 Chumbe Island, Zanzibar

Lutjanidae

Snappers



Lutjanus rivulatus      Blautilippen Schnapper      Scribbled snapper  
Photo: Dr. H.-W. Leyendecker      2019 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker      2020 Chumbe Island, Zanzibar

### Lutjanidae

### Snappers



Macolor niger Schwarzweiß-Schnapper  
Photos: Dr. H.-W. Leyendecker adult

Black-and-white snapper  
2019 Chumbe Island, Zanzibar



### Lutjanidae

### Snappers



Macolor niger  
Photo: Martin Leyendecker

Schwarzweiß-Schnapper  
juvenile

Black-and-white snapper  
2007 Chumbe Island, Zanzibar



adult  
Photos: Jorge Santamaria Perez 2016

semiadult

### Lutjanidae

### Snappers



*Lutjanus russellii*  
Photo: Aaron Critchley

Schnapper  
adult

Moses snapper  
2016 Chumbe Island, Zanzibar

### Lethrinidae

### Emperorfishes



*Gnathodentex aureolineatus*  
Photo: Martin Leyendecker

Gestreifter Großaugen-Straßenkehrer

Yellowspot emperor  
2023 Mnemba, Zanzibar



*Gymnocranius grandoculis*  
Photo: Martin Leyendecker

Robinson-Meerbrasse

Blue-lined large-eye bream  
Robinson's seabream  
2013 Chumbe Island, Zanzibar

### Lethrinidae

### Emperorfishes



Lethrinus mahsena  
Photos: Martin Leyendecker

Großkopfschnapper

Sky emperor  
2013 Chumbe Island, Zanzibar

### Lethrinidae

### Emperorfishes



Lethrinus mahsena  
Photos: Martin Leyendecker

Großkopfschnapper  
at night

Sky emperor  
2015 Chumbe Island, Zanzibar



juvenile



at night

### Lethrinidae

### Emperorfishes



Lethrinus harak      Schwarzfleck-Straßenkehrer      Blackpach or Blackspot emperor  
Photos: Martin Leyendecker      2012 Chumbe Island, Zanzibar



Lethrinus harak      Schwarzfleck-Straßenkehrer      Blackpach or Blackspot emperor  
Photo: Aaron Critchley      2016 Chumbe Island, Zanzibar

### Lethrinidae

### Emperorfishes



Lethrinus obsoletus      Goldstreifen-Straßenkehrer      Orange striped emperor  
Photos: Dr. M. Leyendecker      adult      2023 Mnemba, Zanzibar



Lethrinus obsoletus      Goldstreifen-Straßenkehrer      Orange striped emperor  
Photos: Dr. H.-W. Leyendecker      2016 Chumbe Island, Zanzibar

### Lethrinidae

### Emperorfishes



Monotaxis grandoculis  
Photo: Dr. H.-W. Leyendecker  
Großaugen-Straßenkehrer  
adult  
2019 Chumbe Island, Zanzibar  
Bigeye emperor

### Lethrinidae

### Emperorfishes



Monotaxis grandoculis  
Photo: Leyendecker  
Großaugen-Straßenkehrer  
juvenile  
2016 Chumbe Island, Zanzibar  
Bigeye emperor



Photo: Martin Leyendecker  
adult  
2018 Chumbe Island, Zanzibar



Photo: Martin Leyendecker  
juvenile  
2007 Chumbe Island, Zanzibar

### Nemipteridae

### Whiptail breams



*Scolopsis bimaculata*  
Photos: Dr. H.-W. Leyendecker

Scheinschnapper

Thumbprint monocle bream  
2019 Chumbe Island, Zanzibar



### Nemipteridae

### Whiptail breams



Scolopsis ghanam Arabischer Scheinschnapper Arabian or Dotted spinecheek  
Photos: Martin Leyendecker 2008 Chumbe Island, Zanzibar



### Nemipteridae

### Whiptail breams



Scolopsis ghanam Arabischer Scheinschnapper Arabian or Dotted spinecheek  
Photos: Dr. Valentina Herbring at night 2022 Chumbe Island, Zanzibar



### Nemipteridae

### Whiptail breams



*Scolopsis trilineata* Dreistreifen-Scheinschnapper Three-lined monocle bream  
Photo: Martin Leyendecker 2013 Chumbe Island, Zanzibar



*Scolopsis vosmeri* Weißwangen-Scheinschnapper White-band spinecheek  
Photo: Dr. Valentina Herbring 2022 Chumbe Island, Zanzibar

### Sparidae

### Seabreams



*Acanthopagrus latus* Gelbflossen-Meerbrasse Yellowfin seabream  
Photo: Markus Meissl 2013 Chumbe Island, Zanzibar

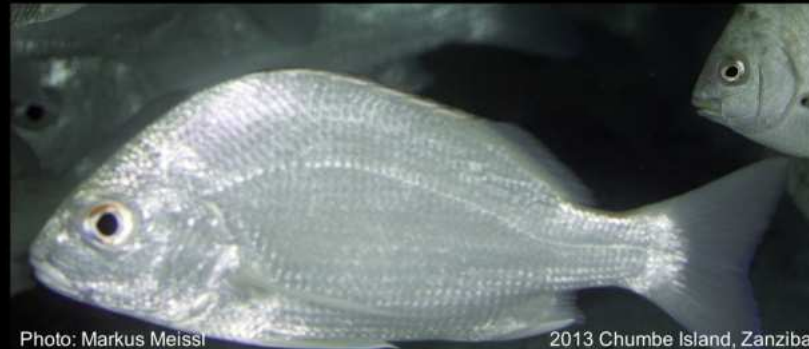


Photo: Markus Meissl 2013 Chumbe Island, Zanzibar

### Caesionidae

### Fusiliers



*Caesio caerulea*      Gelbstreifen-Füsilier  
Photos: Martin Leyendecker

Goldstriped scissortail fusilier  
2012 Chumbe Island, Zanzibar



### Caesionidae

### Fusiliers



*Caesio lunaris*  
Photos: Dr. H.-W. Leyendecker

Himmelblauer Füsilier

Lunar fusilier  
2020 Chumbe Island, Zanzibar



### Caesionidae

### Fusiliers



Caesio xanthalytos  
Photos: Martin Leyendecker

Füsilier

Goldsash fusilier  
2015 Chumbe Island, Zanzibar



### Caesionidae

### Fusiliers



Caesio xanthonota  
Photo: Dr. H.-W. Leyendecker

Gelbrücken-Füsilier

Yellowback fusilier  
2019 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2020 Chumbe Island, Zanzibar

Caesionidae

Fusiliers



*Pterocaesio capricornis*  
Photo: Martin Leyendecker

Südlicher Füsilier

Southern fusilier  
2015 Chumbe Island, Zanzibar

Caesionidae

Fusiliers



*Pterocaesio chrysozona*  
Photo: Martin Leyendecker

Goldstreifen-Füsilier

Goldband fusilier  
2014 Chumbe Island, Zanzibar



*Pterocaesio pisang*  
Photo: Aaron Critchley

Füsilier

Banana fusilier  
2016 Chumbe Island, Zanzibar

Caesionidae

Fusiliers



Pterocaesio tile  
Photos: Dr. Martin Leyendecker

Neon-Füsilier

Bluestreak fusilier  
2022 Chumbe Island, Zanzibar

Caesionidae

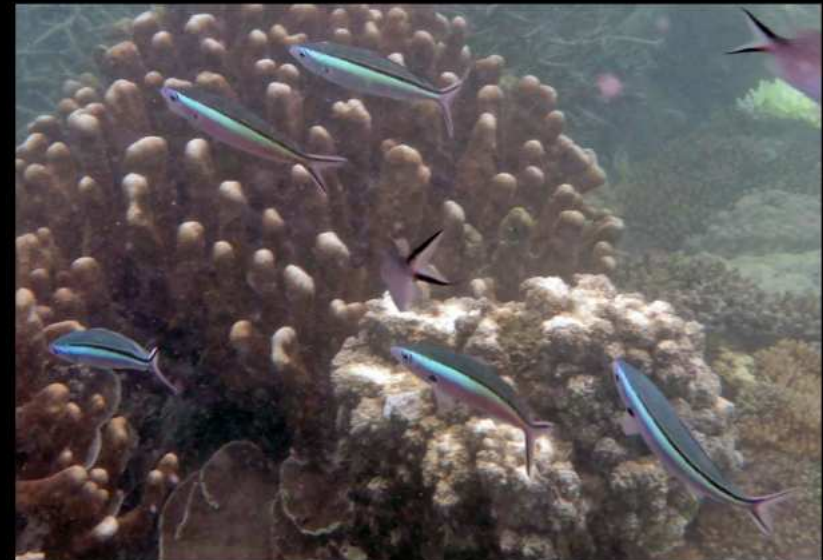
Fusiliers

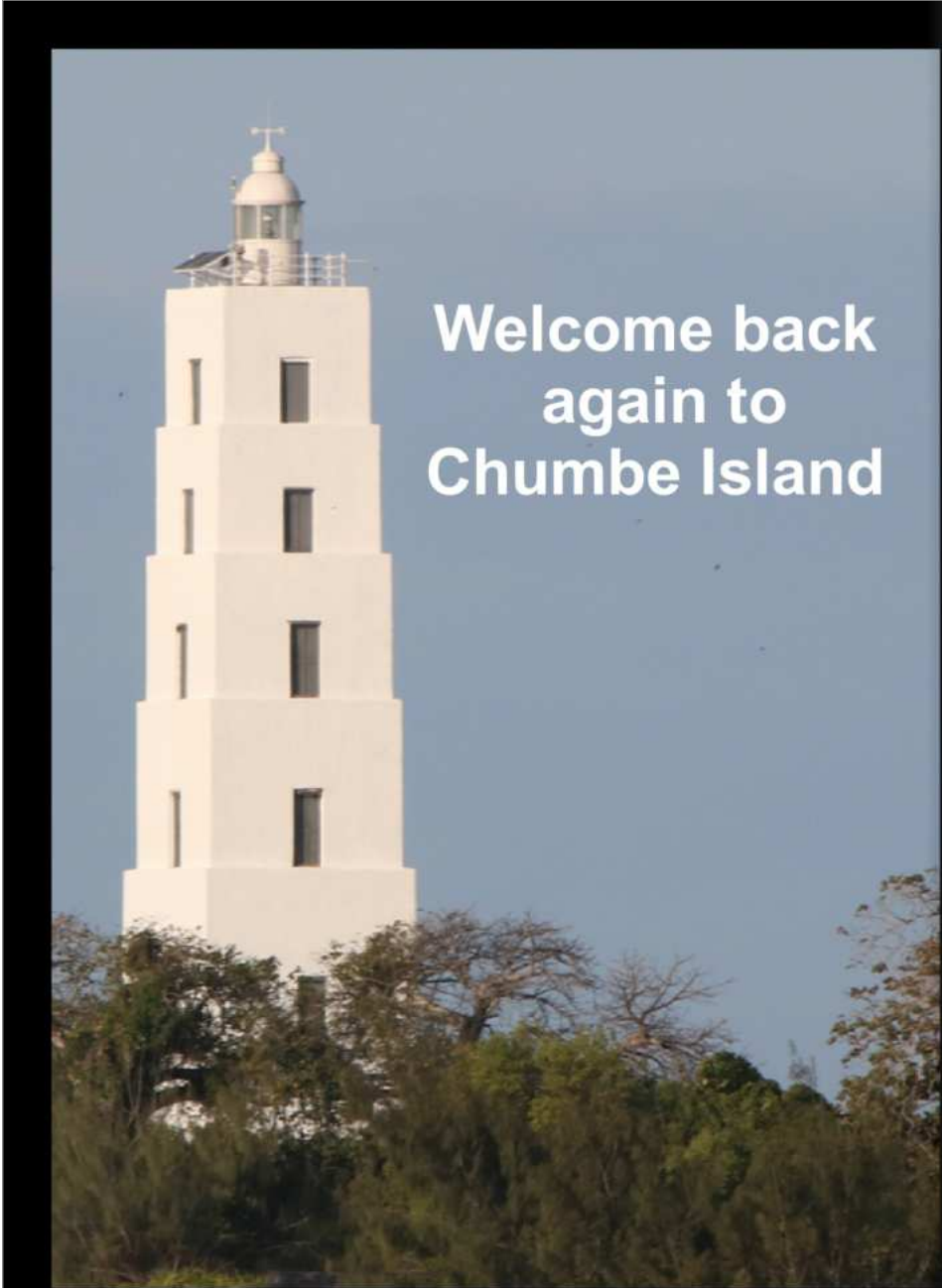


Pterocaesio tile  
Photos: Dr. H.-W. Leyendecker

Neon-Füsilier

Bluestreak fusilier  
2016 Chumbe Island, Zanzibar





Welcome back  
again to  
Chumbe Island

## Quickfinder

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## Acknowledgements

I would like to thank all the people who are working with Chumbe Island Coral Park Ltd. They are all doing a great job protecting the unique coral reef on the west coast of Chumbe Island. Their enthusiasm and commitment over many years has inspired me to create this photo guide which presents species that are found in the Chumbe Reef Sanctuary.

The majority of the photos were taken by my son Martin Leyendecker. During our annual visits over the last 21 years to Chumbe Island, Martin has taken every opportunity to snorkel on the reef and captured photos of the diverse reef inhabitants. During these many reef visits we were safely guided by the experienced and knowledgeable rangers of Chumbe Island. It was the enthusiasm and expertise of Head Ranger Omari Nyange, Environmental Educator Khamis Khalfan, Guiding Rangers Juma Salum, Ali Chaga and Ali Harun and the Marine Biologist Ulli Kloiber assisted by the Ramadan rangers 2016 Aaron Critchley and Jorge Santamaria Perez, as well as the marine biologist Sander den Haring and Dr. Renato Morais that enabled me to identify the species photographed for this guide.

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I would also like to thank all of the fellow guests to Chumbe Island, who through their visit support not only the protection and conservation of the island and the diverse coral reef but also Chumbe's unique Environmental Education (EE) programme. The EE programme brings local community members and Zanzibari students of all ages to Chumbe Island and enables them to snorkel over the healthy coral reef, discover the spectacular wildlife underwater and learn more about environmental sustainability and ecotourism.

Last but not least I would like to thank Ms. Sibylle Riedmiller, who is the Founder and Director of Chumbe Island Coral Park (CHICOP), the first privately established and managed Marine Protected Area (MPA) in the world. She implemented the idea for private conservation in the early 1990's and today Chumbe Island is a world famous showcase! Without her unrelenting devotion to the Chumbe project this book would likely not have been realized.

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Obertshausen, Germany  
Dr. Hans-Wilhelm Leyendecker, Editor

