



CHUMBE ISLAND  
CORAL PARK

25 Years

1998 - 2023

© 2024

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Edition 2024

Underwater Photo-Guide - Volume 3: Reef fish

Chumbe Island Coral Park

Underwater  
Photo-Guide



CHUMBE ISLAND  
CORAL PARK

Volume 3:  
Reef fish

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## 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, edition 2024 is a collection of six volumes. Volume 1 to 4 focus on fish species and also include the common sea turtle species, while volumes 5 and 6 takes a look at the high diversity of colorful invertebrate species found in the Chumbe reef.

The following pages of volume 3 include 76 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



4



## 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

5

## 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. Since over 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:

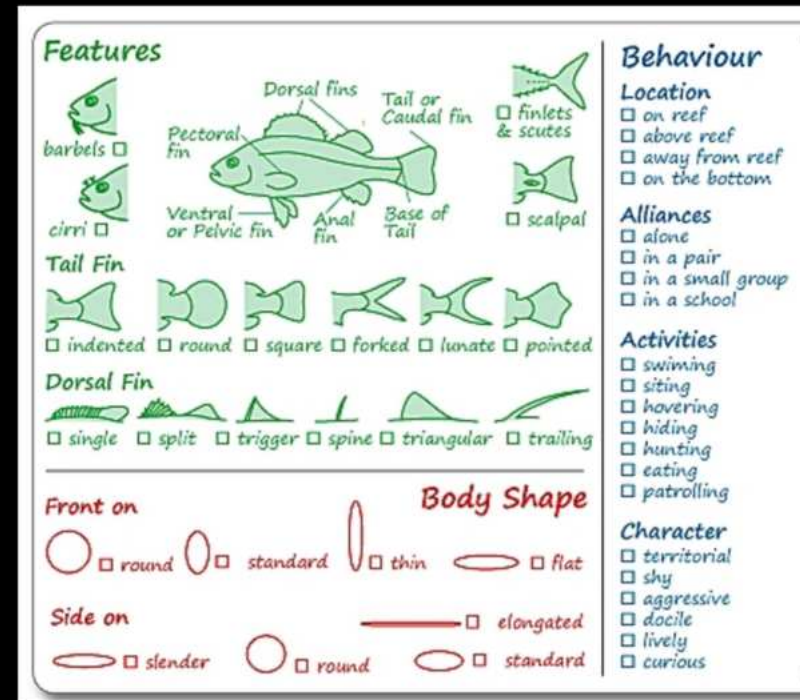
Get familiar with the common reef fish families (or just your favourites) and find out about their appearance and behaviour (our guiding rangers can help you with that). With a bit of knowledge it's easy to correctly identify most fish families and it is much easier to ID a fish if you know which family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

**Tail Fin**

indented  round  square  forked  lunate  pointed

**Dorsal Fin**

single  split  trigger  spine  triangular  trailing

**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

**Body Shape**

**Front on**

round  standard  thin  flat

**Side on**

slender  round  standard  elongated

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!



# Content

Guide-

Labridae.....	Wrasses.....	10
Scaridae.....	Parrotfishes.....	96

Labridae

Wrasses



Anampes caeruleopunctatus  
Photo: Dr. H.-W. Leyendecker

Blautüpfeljunker  
Diamant-Perljunker

Bluespotted wrasse  
2011 Chumbe Island, Zanzibar

Labridae

Wrasses



Anampes lineatus  
Photo: Martin Leyendecker

Linien-Lippfisch

Lined wrasse  
2018 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2019 Chumbe Island, Zanzibar



Anampes caeruleopunctatus  
Photos: Martin Leyendecker

juvenile

2015 Chumbe Island, Zanzibar

### Labridae



Anampses meleagrides      Gelbschwanz Perlippfisch male      Yellowtail tamarin or Chequered wrasse  
Photo: Dr. H.-W. Leyendecker      2017 Chumbe Island, Zanzibar



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

### Labridae

### Wrasses



Anampses twistii      Twists Junker      Twist's wrasse  
2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker      juvenile 2018      2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Bodianus anthioides      Zweifarben-Schweinslippfisch      Lyretail hogfish  
Photo: Dr. Martin Leyendecker      2022 Chumbe Island, Zanzibar

Labridae

Wrasses



Bodianus anthioides      Zweifarben-Schweinslippfisch      Lyretail hogfish  
Photo: Martin Leyendecker      2018 Chumbe Island, Zanzibar



14      Bodianus anthioides      Zweifarben-Schweinslippfisch      Lyretail hogfish  
Photo: Dr. Valentina Herbring      2023 Mnemba, Zanzibar

Labridae

Wrasses



Bodianus axillaris Achselfleck-Schweinslippfisch Axilspot Hogfish  
Photo: Dr. M. Leyendecker juvenile 2023 Chumbe Island, Zanzibar

Labridae

Wrasses



Bodianus axillaris Achselfleck-Schweinslippfisch Axilspot Hogfish  
2009 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2022 Chumbe Island, Zanzibar



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

Labridae

Wrasses



*Bodianus bilunulatus*  
Photo: Martin Leyendecker

Lippfisch  
juvenile

Tarry hogfish  
2017 Chumbe Island, Zanzibar



*Bodianus bilunulatus*  
Photo: Dr. Martin Leyendecker

Lippfisch  
juvenile

Tarry hogfish  
2022 Mnemba Island, Zanzibar

Labridae

Wrasses



*Cheilinus undulatus*  
Photos: Ulli Kloiber

Napoleon Lippfisch

Humphead wrasse  
2018 Chumbe Island, Zanzibar



Labridae

Wrasses



Bodianus diana      Dianas Schweinslippfisch      Diana's hogfish  
2014 Chumbe Island, Zanzibar



20 Photo: Leyendecker      2015 Chumbe Island, Zanzibar

Labridae

Wrasses



Bodianus diana      Dianas Schweinslippfisch      Diana's hogfish  
Photo: Dr. M. Leyendecker      juvenile      2023 Chumbe Island, Zanzibar



Photos: Martin Leyendecker      2017 Chumbe Island, Zanzibar

Labridae

Wrasses



Cheilinus chlorourus    Schneeflocken-Prachtlippfisch    Floral splendour wrasse  
Photos: Dr. H.-W. Leyendecker    2012 Chumbe Island, Zanzibar



Labridae

Wrasses



Cheilinus fasciatus    Rotbrust-Prachtlippfisch    Redbreasted splendour wrasse  
2009 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2015 Chumbe Island, Zanzibar

Labridae

Wrasses



Cheilinus trilobatus  
Photo: Leyendecker

Dreilappen Lippfisch  
adult male

Tripletail maori wrasse  
2016 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Cheilinus trilobatus

Dreilappen Lippfisch  
adult male

Tripletail maori wrasse  
2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

female

2019 Chumbe Island, Zanzibar

Labridae

Wrasses



Cheilinus oxycephalus      Spitzkopf-Prachtlippfisch      Snooty wrasse  
2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Cirrhilabrus exquisitus      Pracht-Zwerglippfisch      Exquisite wrasse  
juvenile      2015 Chumbe Island, Zanzibar



Cirrhilabrus exquisitus      Pracht-Zwerglippfisch      Exquisite wrasse  
Photo: Dr. Valentina Herbring      adult      2023 Mnemba, Zanzibar

Labridae

Wrasses



Cheilio inermis  
Photo: Dr. Martin Leyendecker

Zigarren-Lippfisch

Cigar wrasse  
2022 Chumbe Island, Zanzibar

Labridae

Wrasses



Cheilio inermis

Zigarren-Lippfisch  
male

Cigar wrasse  
2013 Chumbe Island, Zanzibar



Cheilio inermis male 2013 Chumbe Island, Zanzibar

Labridae

Wrasses



Coris aygula

Spiegelfleck-Lippfisch  
adolescent

Clown coris  
2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Coris aygula

Spiegelfleck-Lippfisch  
adult male

Clown coris  
2014 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

juvenile

2016 Chumbe Island, Zanzibar



adult female

2009 Chumbe Island, Zanzibar

Labridae

Wrasses



Coris caudimaculata

Schwarzfleckjunker  
weiblich

Spottail coris  
2023 Mnemba, Zanzibar

Labridae

Wrasses



Coris caudimaculata

Schwarzfleckjunker  
männlich

Spottail coris  
2009 Chumbe Island, Zanzibar



male



juvenile



Coris caudimaculata  
Photo: Dr. Martin Leyendecker

Schwarzfleckjunker  
weiblich

Spottail coris  
2022 Chumbe Island, Zanzibar

Labridae

Wrasses



Coris cuvieri  
Photo: Dr. H.-W. Leyendecker

Afrika-Junker

Coris cuvieri  
2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Coris cuvieri  
Photo: Dr. H.-W. Leyendecker

Afrika-Junker  
adult male

Coris cuvieri  
2016 Chumbe Island, Zanzibar



Coris cuvieri  
Photo: Dr. M. Leyendecker

Afrika-Junker  
juvenile

Coris cuvieri  
2023 Mnemba Island, Zanzibar

Labridae

Wrasses



*Coris formosa*

Indischer Clown-Junker  
female

Indian sand wrasse  
2013 Chumbe Island, Zanzibar

Labridae

Wrasses



*Coris formosa*

Indischer Clown-Junker  
male

Indian sand wrasse  
2019 Chumbe Island, Zanzibar



juvenile



Labridae

Wrasses



*Coris formosa* Indischer Clown-Junker Indian sand wrasse  
Photos: Dr. H.-W. Leyendecker female 2016 Chumbe Island, Zanzibar



Labridae

Wrasses



*Coris pictoides* Zwerg-Junker Blackstripe coris  
2014 Chumbe Island, Zanzibar

Labridae

Wrasses



Epibulus insidiator

Stülpmaul-Lippfisch  
male

Sling-jaw wrasse  
2019 Chumbe Island, Zanzibar

Labridae

Wrasses



Epibulus insidiator

Stülpmaul-Lippfisch  
female

Sling-jaw wrasse  
2016 Chumbe Island, Zanzibar



female colour variant

Labridae

Wrasses



Gomphosus caeruleus

Vogel-Lippfisch  
male

Indian ocean bird wrasse  
2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Gomphosus caeruleus

Vogel-Lippfisch  
female

Indian ocean bird wrasse  
2013 Chumbe Island, Zanzibar



juvenile



male



juvenile

Labridae

Wrasses



Halichoeres hortulanus Schachbrettjunker male  
Photo: Dr. H.-W. Leyendecker 2020 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres hortulanus Schachbrettjunker female  
2016 Chumbe Island, Zanzibar



Photo: Martin Leyendecker male 2016 Chumbe Island, Zanzibar



Photo: Leyendecker female 2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres hortulanus  
Photos: Martin Leyendecker

Schachbrettjunker  
juvenile

Checkerboard wrasse  
2017 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres leucoxanthus

Indischer Kanarien-Lippfisch

Whitebelly wrasse  
2009 Chumbe Island, Zanzibar



Photo: Leyendecker

juvenile

2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres cosmetus  
Photos: Martin Leyendecker

Schmuck-Junker  
juvenile

Adorned wrasse  
2017 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres cosmetus  
Photos: Dr. M. Leyendecker

Schmuck-Junker  
female

Adorned wrasse  
2023 Mnemba, Zanzibar



Labridae

Wrasses



Halichoeres iridis  
Photos: Dr. M. Leyendecker

Gelbkopfjunker  
juvenile

Rainbow wrasse  
2023 Mnemba, Zanzibar

Labridae

Wrasses



Halichoeres iridis  
Photos: Martin Leyendecker

Gelbkopfjunker  
male

Rainbow wrasse  
2018 Chumbe Island, Zanzibar



Halichoeres iridis  
Photos: Dr. Valentina Herbring

Gelbkopfjunker  
juvenile

Rainbow wrasse  
2023 Mnemba, Zanzibar



Labridae

Wrasses



Halichoeres marginatus      Prachtregenbogenlippfisch      Dusky wrasse  
Photos: Dr. H.-W. Leyendecker      female      2017 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres nebulosus      Kirschflecken-Lippfisch      Nebulosus wrasse  
2015 Chumbe Island, Zanzibar



Halichoeres nebulosus      Kirschflecken-Lippfisch      Nebulosus wrasse  
juvenile      2015 Chumbe Island, Zanzibar



Labridae

Wrasses



Halichoeres scapularis

Zickzack-Junker  
male

Zigzag wrasse  
2013 Chumbe Island, Zanzibar

Labridae

Wrasses



Halichoeres scapularis

Zickzack-Junker  
female

Zigzag wrasse  
2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

male

2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

female

2016 Chumbe Island, Zanzibar

## Labridae

## Wrasses



Unidentified wrasse  
 Photo: Martin Leyendecker

2013 Chumbe Island, Zanzibar

### Dear Expert,

this fish species shown above is still not identified.

Please let us know if you get an idea what kind of species it is, and inform the Island management.

## Labridae

## Wrasses



*Halichoeres zeylonicus*  
 Photo: Dr. H.-W. Leyendecker

Sri Lanka-Junker  
 female

Goldstripe wrasse  
 2015 Chumbe Island, Zanzibar



Labridae

Wrasses



Hemigymnus fasciatus      Streifenbanner-Lippfisch juvenile      Barred thicklip wrasse or Blackedge wrasse  
Photos: Leyendecker      2016 Chumbe Island, Zanzibar



Labridae

Wrasses



Hemigymnus fasciatus      Streifenbanner-Lippfisch      Barred thicklip wrasse or Blackedge wrasse  
2012 Chumbe Island, Zanzibar



Labridae

Wrasses



Hemigymnus melapterus

Lippfisch

Blackeye thicklip  
2009 Chumbe Island, Zanzibar

Labridae

Wrasses



Hemigymnus melapterus  
Photos: Dr. H.-W. Leyendecker

Lippfisch  
juvenile forms

Blackeye thicklip  
2012 Chumbe Island, Zanzibar



Photo: Ulrike Kloiber

2011 Chumbe Island, Zanzibar



Labridae

Wrasses



Hemigymnus melapterus  
Photo: Dr. H.-W. Leyendecker

Lippfisch

Blackeye thicklip  
2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Hologymnosus annulatus

Gestreifter Hechtlippfisch  
juvenile

Ring wrasse  
2015 Chumbe Island, Zanzibar



Hemigymnus melapterus  
Photo: Leyendecker

Lippfisch

Blackeye thicklip  
2016 Chumbe Island, Zanzibar



juvenile

Labridae

Wrasses



Hologymnosus doliatus

Weissbauch-Hechtlippfisch  
juvenile

Pastel ringwrasse  
or Longface wrasse  
2013 Chumbe Island, Zanzibar

Labridae

Wrasses



Iniistius pavo  
Photos: Martin Leyendecker

Blatt-Schermesserfisch  
juvenile

Blue razorfish  
2017 Chumbe Island, Zanzibar



### Labridae

### Wrasses



Labrichthys unilineatus  
Photos: Dr. H.-W. Leyendecker  
Fransen-Putzerfisch  
adult male  
2012 Chumbe Island, Zanzibar  
Tubelip wrasse

### Labridae

### Wrasses



Labrichthys unilineatus  
Photos: Dr. H.-W. Leyendecker  
Fransen-Putzerfisch  
juvenile  
2016 Chumbe Island, Zanzibar  
Tubelip wrasse



juvenile



juvenile



female

male

Labridae

Wrasses



Labroides bicolor      Zweifarb-Putzerlippfisch      Bicolor cleaner wrasse  
Photo: Dr. Martin Leyendecker      2022 Chumbe Island, Zanzibar



adult

Labridae

Wrasses



Labroides bicolor      Zweifarb-Putzerlippfisch      Bicolor cleaner wrasse  
juvenile      2014 Chumbe Island, Zanzibar



juvenile

Labridae

Wrasses



Labroides dimidiatus    Gewöhnlicher Putzerlippfisch    Bluestreak cleaner wrasse  
Photo: Dr. H.-W. Leyendecker    2016 Chumbe Island, Zansibar

Labridae

Wrasses



Labroides dimidiatus    Gewöhnlicher Putzerlippfisch    Bluestreak cleaner wrasse  
2009 Chumbe Island, Zansibar



juvenile

Labridae

Wrasses



Macropharyngodon bipartitus  
Photo: Dr. Martin Leyendecker

Großzahn-Junker  
female

Vermiculate wrasse  
2022 Mnemba Island, Zanzibar

Labridae

Wrasses



Macropharyngodon bipartitus

Großzahn-Junker  
female

Vermiculate wrasse  
2013 Chumbe Island, Zanzibar



Macropharyngodon bipartitus  
Photo: Dr. Martin Leyendecker

Großzahn-Junker  
male

Vermiculate wrasse  
2022 Mnemba Island, Zanzibar



juvenile



juvenile

Labridae

Wrasses



Novaculichthys taeniourus      Bäumchen-Lippfisch      Rockmover wrasse  
juvenile      2015 Chumbe Island, Zanzibar



Labridae

Wrasses



Novaculichthys taeniourus      Bäumchen-Lippfisch      Rockmover wrasse  
adult female      2011 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker      adult male      2013 Chumbe Island, Zanzibar

Labridae

Wrasses



Novaculichthys taeniourus  
Photos: Leyendecker

Bäumchen-Lippfisch  
adult female

Rockmover wrasse  
2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Novaculichthys taeniourus  
Photos: Leyendecker

Bäumchen-Lippfisch  
adult female

Rockmover wrasse  
2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Oxycheilinus diagramma    Wangenstreifen-Lippfisch juvenile    Cheeklined splendour wrasse or Bandcheek wrasse juvenile  
Photo: Dr. H.-W. Leyendecker    2016 Chumbe Island, Zanzibar

Labridae

Wrasses



Oxycheilinus diagramma    Wangenstreifen-Lippfisch male    Cheeklined splendour wrasse or Bandcheek wrasse male  
Photos: Dr. H.-W. Leyendecker    2020 Chumbe Island, Zanzibar



Photo: Martin Leyendecker    adult    2016 Chumbe Island, Zanzibar



female    2020 Chumbe Island, Zanzibar

Labridae

Wrasses



Oxycheilinus bimaculatus  
Photo: Martin Leyendecker

Kleiner Prachtlippfisch  
male

Two-spot wrasse  
2017 Chumbe Island, Zanzibar

Labridae

Wrasses



Oxycheilinus orientalis  
Photo: Leyendecker

Orientalischer Lippfisch  
juvenile

Oriental maori wrasse  
2016 Chumbe Island, Zanzibar



Oxycheilinus bimaculatus  
Photo: Dr. Valentina Herbring

Kleiner Prachtlippfisch  
female

Two-spot wrasse  
2022 Chumbe Island, Zanzibar



Oxycheilinus bimaculatus  
Photo: Dr. Valentina Herbring

Kleiner Prachtlippfisch  
female

Two-spot wrasse  
2023 Chumbe Island, Zanzibar

Labridae

Wrasses



*Pseudocheilinus evandidus*  
Photos: Kerstin Erler

Weißbart-Zwerglippfisch

Striated wrasse  
2017 Chumbe Island, Zanzibar



Labridae

Wrasses



*Pseudocheilinus hexataenia*

Sechslinien-Zwerglippfisch

Sixline wrasse  
2015 Chumbe Island, Zanzibar



Labridae

Wrasses



*Pseudodax moluccanus*  
Photo: Leyendecker

Meißelzahn-Lippfisch

Chiseltooth wrasse  
2016 Chumbe Island, Zanzibar

Labridae

Wrasses



*Pseudodax moluccanus*  
Photo: Leyendecker

Meißelzahn-Lippfisch

Chiseltooth wrasse  
2019 Chumbe Island, Zanzibar



Photo: Leyendecker

2019 Chumbe Island, Zanzibar



Photo: Leyendecker

2019 Chumbe Island, Zanzibar

Labridae

Wrasses



*Pteragogus cryptus*  
Photos: Martin Leyendecker

Lembeh-Zwerglippfisch

Cryptic wrasse  
2017 Chumbe Island, Zanzibar



Labridae

Wrasses



*Stethojulis albovittata*

Vierstreifen-Junker  
male

Bluelined wrasse  
2014 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2015

female

Labridae

Wrasses



*Stethojulis bandanensis*  
Photo: Dr. H.-W. Leyendecker

Banda-Junker  
male

Red shoulder wrasse  
2019 Chumbe Island, Zanzibar

Labridae

Wrasses



*Stethojulis bandanensis*  
Photos: Dr. H.-W. Leyendecker

Banda-Junker  
male

Red shoulder wrasse  
2019 Chumbe Island, Zanzibar



Labridae

Wrasses



Thalassoma amblycephalum      Zweifarb-Lippfisch      Bluntheaded wrasse  
Photo: Dr. H.-W. Leyendecker      female      2013 Chumbe Island, Zanzibar



Thalassoma amblycephalum      juvenile      2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Thalassoma amblycephalum      Zweifarb-Lippfisch      Bluntheaded wrasse  
Photo: Dr. H.-W. Leyendecker      adult male      2019 Chumbe Island, Zanzibar



adult      2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Thalassoma hardwicke  
Photo: Dr. H.-W. Leyendecker

Hardwicke's Junker  
male

Six-barred wrasse  
2020 Chumbe Island, Zanzibar



female

Labridae

Wrasses



Thalassoma hardwicke

Hardwicke's Junker  
female and juvenile

Six-barred wrasse  
2013 Chumbe Island, Zanzibar



juvenile

Labridae

Wrasses



Thalassoma hebraicum

Goldbandjunker  
Halsbandjunker

Goldbar wrasse (male)  
2012 Chumbe Island, Zanzibar

Labridae

Wrasses



Thalassoma hebraicum

Goldbandjunker  
Halsbandjunker

Goldbar wrasse (male)  
2016 Chumbe Island, Zanzibar



female



juvenile

Labridae

Wrasses



Thalassoma janseni Jansens Junker Jansen's wrasse  
2014 Chumbe Island, Zansibar

Labridae

Wrasses



Thalassoma lunare Mondsichel-Junker Moon wrasse or Crescent wrasse  
Photo: Dr. H.-W. Leyendecker male 2009 Chumbe Island, Zansibar



Thalassoma lunare Mondsichel-Junker Moon wrasse  
Photo: Dr. H.-W. Leyendecker dominant male 2022 Chumbe Island, Zansibar



### Scaridae

### Parrotfishes



Calotomus carolinus male Stareye parrotfish or Carolines parrotfish  
Photos: Dr. H.-W. Leyendecker Papageifisch 2016 Chumbe Island, Zanzibar



female

### Scaridae

### Parrotfishes



Calotomus carolinus male Stareye parrotfish or Carolines parrotfish  
Papageifisch 2013 Chumbe Island, Zanzibar



juvenile



female

### Scaridae

### Parrotfishes



Cetoscarus bicolor  
Photo: Dr. H.-W. Leyendecker

Masken-Papageifisch  
female

Bicolor parrotfish  
2013 Chumbe Island, Zanzibar



### Scaridae

### Parrotfishes



Cetoscarus bicolor

Masken-Papageifisch  
initial phase

Bicolor parrotfish  
2013 Chumbe Island, Zanzibar



juvenile

Photo: Markus Meissl



juvenile

Scaridae

Parrotfishes



Chlorurus atrilunula      Papageifisch      Black crescent parrotfish  
Photo: Dr. H.-W. Leyendecker      male      2019 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker      female      2022 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Chlorurus capistratoides      Indischer Papageifisch      Pale bullethead parrotfish  
Photo: Dr. H.-W. Leyendecker      male      2020 Chumbe Island, Zanzibar



Chlorurus bleekeri      Bleekers Papageifisch      Bleeker's parrotfish  
Photo: Dr. Valentina Herbring      male      2022 Chumbe Island, Zanzibar

### Scaridae

### Parrotfishes



Chlorurus sordidus Kugelkopf-Papageifisch (männl.) Bullethead parrotfish (male)  
Photo: Markus Meissl Daisy parrotfish  
2013 Chumbe Island, Zanzibar



Chlorurus sordidus Kugelkopf-Papageifisch Bullethead parrotfish  
Photo: Dr. H.-W. Leyendecker Daisy parrotfish (female)  
2010 Chumbe Island, Zanzibar

### Scaridae

### Parrotfishes



Chlorurus sordidus Kugelkopf-Papageifisch (initial phase) Daisy parrotfish  
Photos: Dr. H.-W. Leyendecker Bullethead parrotfish  
2012 Chumbe Island, Zanzibar



juvenile forms



Scaridae

Parrotfishes



Chlorurus strongylocephalus Indischer Buckelkopf Indian ocean steephead parrotfish  
Photo: Leyendecker female 2016 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2015

Scaridae

Parrotfishes



Chlorurus strongylocephalus Indischer Buckelkopf Indian ocean steephead parrotfish  
Photo: Dr. H.-W. Leyendecker male 2022 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2015

### Scaridae

### Parrotfishes



*Chlorurus strongylocephalus* Indian ocean steephead parrotfish (juvenile)  
Photos: Martin Leyendecker Indischer Buckelkopf 2016 Chumbe Island, Zanzibar



juvenile

### Scaridae

### Parrotfishes



*Scarus falcipinnis* Papageifisch juvenile Sicklefim parrotfish  
Photos: Martin Leyendecker 2016 Chumbe Island, Zanzibar



Scaridae

Parrotfishes



Hipposcarus harid  
Photos: Dr. H.-W. Leyendecker

Indische Langnase

Candelamoa parrotfish  
2019 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Hipposcarus harid

Indische Langnase

Candelamoa parrotfish  
2014 Chumbe Island, Zanzibar



Hipposcarus harid  
Photos: Dr. Martin Leyendecker

Indische Langnase  
at night

Candelamoa parrotfish  
2022 Chumbe Island, Zanzibar



Scaridae

Parrotfishes



Leptoscarus vaigiensis      Seegras-Papageifisch male      Seagrass parrotfish Blue spotted parrotfish 2013 Chumbe Island, Zanzibar



Leptoscarus vaigiensis      Seegras-Papageifisch male      Seagrass parrotfish Blue spotted parrotfish 2013 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Leptoscarus vaigiensis      Seegras-Papageifisch juvenile      Seagrass parrotfish Blue spotted parrotfish 2013 Chumbe Island, Zanzibar



Scarus ferrugineus      Papageifisch female      Rusty parrotfish Photos: H.-W. Leyendecker 2019 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus frenatus

Grünbürzel-Papageifisch  
male

Bridled parrotfish  
2013 Chumbe Island, Zanzibar



female

Scaridae

Parrotfishes



Scarus frenatus  
Photos: Dr. H.-W. Leyendecker

Grünbürzel-Papageifisch  
male

Bridled parrotfish  
2022 Chumbe Island, Zanzibar



### Scaridae

### Parrotfishes



Scarus frenatus  
Photo: Martin Leyendecker

Grünbürzel-Papageifisch  
very young juvenile

Bridled parrotfish  
2017 Chumbe Island, Zanzibar



initial phase (female)



juvenile forms



### Scaridae

### Parrotfishes



Scarus frenatus  
Photo: Dr. H.-W. Leyendecker

Grünbürzel-Papageifisch

Bridled parrotfish  
2013 Chumbe Island, Zanzibar



The three images on this page show different phases of the transition of a parrotfish changing from a female

Scaridae

Parrotfishes



Scarus prasiognatos      Grünwangen-Papageifisch      Greenthroat parrotfish  
Photo: Dr. Valentina Herbring      female      2022 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus ghobban      Blauband-Papageifisch      Blue-barred parrotfish  
Photo: Dr. H.-W. Leyendeker      female      2016 Chumbe Island, Zanzibar



Scaridae

Parrotfishes



Scarus niger

Schwarzer Papageifisch  
male

Dusky or Swarthy parrotfish  
2006 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus niger

Schwarzer Papageifisch  
male

Dusky or Swarthy parrotfish  
2016 Chumbe Island, Zanzibar



Scarus niger

Schwarzer Papageifisch  
female

Dusky or Swarthy parrotfish  
2012 Chumbe Island, Zanzibar



Scarus niger

Schwarzer Papageifisch  
juvenile

Dusky or Swarthy parrotfish  
2012 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus niger

Schwarzer Papageifisch  
night colours

Dusky or Swarthy parrotfish  
2015 Chumbe Island, Zanzibar



Scarus niger  
Photo: Dr. Martin Leyendecker

Schwarzer Papageifisch  
at night

Dusky or Swarthy parrotfish  
2022 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



At night: Sleeping male *Chlorurus sordidus* in a bubble  
2015 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus psittacus  
Photo: Aaron Critchley

Papageifisch  
male

Common parrotfish  
2016 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus psittacus  
Photo: Dr. H.-W. Leyendecker

Papageifisch  
male

Common parrotfish  
2019 Chumbe Island, Zanzibar



124 Scarus psittacus  
Photo: Dr. H.-W. Leyendecker

Papageifisch  
male

Common parrotfish  
2019 Chumbe Island, Zanzibar



125 Scarus psittacus  
Photo: Dr. H.-W. Leyendecker

Papageifisch  
female

Common parrotfish  
2019 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus schlegelii Papageifisch female Yellowband parrotfish 2013 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus rubroviolaceus Nasenhöcker-Papageifisch male Ember or Redlip parrotfish 2007 Chumbe Island, Zanzibar



Scarus rubroviolaceus juvenile Schule mit Jungfischen Ember parrotfish (school) 2007 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus scaber

Fünfsattel-Papageifisch  
female

Dusky-capped parrotfish  
or Five-saddle parrotfish  
2013 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus scaber

Fünfsattel-Papageifisch  
adult male

Dusky-capped parrotfish  
2015 Chumbe Island, Zanzibar



female



**Scaridae**

**Parrotfishes**



*Scarus tricolor*  
Photo: Dr. H.-W. Leyendecker

Dreifarben-Papageifisch  
female

Tricolour parrotfish  
2019 Chumbe Island, Zanzibar

**Scaridae**

**Parrotfishes**



*Scarus tricolor*  
Photo: Dr. H.-W. Leyendecker

Dreifarben-Papageifisch  
male

Tricolour parrotfish  
2016 Chumbe Island, Zanzibar



Photo: Martin Leyendecker

female

2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

male

2019 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



Scarus tricolor                      Dreifarben-Papageifisch                      Tricolour parrotfish  
Photos: Dr. H.-W. Leyendecker                      male                      2016 Chumbe Island, Zanzibar



Scaridae

Parrotfishes



Sparisoma rubripinne                      Gelbschwanz-Papageifisch                      Redfin parrotfish  
Photos: Leyendecker                      juvenile                      2013 Chumbe Island, Zanzibar



Scaridae

Parrotfishes



*Scarus viridifucatus*  
Photos: H.-W. Leyendecker

Papageifisch  
female

Greenlip parrotfish  
2019 Chumbe Island, Zanzibar

Scaridae

Parrotfishes



*Scarus viridifucatus*  
Photo: Dr. H.-W. Leyendecker

Papageifisch  
male

Greenlip parrotfish  
2019 Chumbe Island, Zanzibar



*Scarus viridifucatus*  
Photo: Dr. H.-W. Leyendecker

Papageifisch  
male

Greenlip parrotfish  
2022 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

male

2022 Chumbe Island, Zanzibar

## 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.

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Obertshausen, Germany  
Dr. Hans-Wilhelm Leyendecker, Editor

