

## Mozambique tilapia (*Oreochromis mossambicus*)



The Mozambique tilapia (*Oreochromis mossambicus*) is a tilapiine cichlid fish native to the coastal regions and the lower reaches of rivers in southern Africa, from the Zambezi River delta to Bushman River in the eastern Cape. It is known as black tilapia in Colombia and as blue kurper in South Africa. Due to human introductions, it is now found in many tropical and subtropical habitats around the globe, where it can become an invasive species because of its robust nature. Dull colored, the Mozambique tilapia often lives up to a decade in its native habitats. These same features make it a good species for aquaculture because it readily adapts to new situations. However, in Guangdong of China, the Mozambique tilapia has become a serious invasive species, breaking the local ecological balance and ecological environment. And the Mozambique tilapia has few natural enemies, so it's hard for us to control the number and protect the local specieses. I just want to find some good ways to solve the problems.

The Mozambique tilapia belongs to the group of fish which is the ray-finned fishes, order Perciformes.

**The length of the body of maturity is ranging from 6 to 28 centimeters.** The max length of male is 39.0 centimeters. The common length is 35.0 centimeters. The max weight is up to 1.13 kilograms. The oldest age reported is 11 years. The Mozambique tilapia have some features. The dorsal spines in total is 15 to 18. Dorsal soft rays in total is 10 to 13. And the anal soft rays is 7 to 12. It has 28 to 31 vertebrae and a long snout. The forehead with relatively large scales, starting with 2 scales between the eyes followed by 9 scales up to the dorsal fin. In addition, It has 3 anal spines and 14 to 20 lower gill-rakers.

**Peters, W. (C. H.)** 1852 [ref. 18539]

Diagnosen von neuen Flussfischen aus Mossambique. Monatsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1852: 275-276, 681-685.

Diagnoses of new river fish from Mossambique. Monthly reports of the Royal Prussian Academy of Sciences Berlin 1852: 275-276, 681-685.

#### References

Assessed April 15,2018 at

<http://www.fishbase.org/summary/Oreochromis-mossambicus.html>

Assessed April 15,2018 at

[https://en.wikipedia.org/wiki/Mozambique\\_tilapia](https://en.wikipedia.org/wiki/Mozambique_tilapia)

Assessed April 15,2018 at

<http://researcharchive.calacademy.org/research/ichthyology/catalog/getref.asp?id=18539>

Ambarisha Chabbi and Ganesh C.B. Evidence for the involvement of dopamine in stress-induced suppression of reproduction in the cichlid fish *Oreochromis mossambicus*. Assessed April 17,2018.

Hasan Kayaa, \*, Olcay Hisar a, Sevdan Yılmaz b, Mert Gürkanc, S, ükriye Aras Hisar d. Environmental Toxicology and Pharmacology 44 (2016) 114 - 119. The effects of elevated carbon dioxide and temperature levels on tilapia (*Oreochromis mossambicus*): Respiratory enzymes, blood pH and hematological parameters. Assessed April 17,2018.

Ambarisha Chabbi, C.B. Ganesh. Journal of Chemical Neuroanatomy 77 (2016) 161 - 168 Neuroanatomical evidence for the involvement of b-endorphin during reproductive stress response in the fish *Oreochromis mossambicus*. Assessed April 17,2018.

Sebastian J. Midhun1 • Damodaran Arun1 • Lincy Edatt2 • M. V. Sruthi1 • V. V. Thusharal • Oommen V. Oommen3,4 • V. B. Sameer Kumar2 • Lekha Divya. Aquacult Int (2016) 24:1277 - 1286 DOI 10.1007/s10499-016-9984-1. Modulation of digestive enzymes, GH, IGF-1 and IGF-2 genes in the teleost, Tilapia (*Oreochromis mossambicus*) by dietary curcumin. Assessed April 17,2018.

Fumiya Furukawa a, \*, Soichi Watanabe a, Andre P. Seale b, Jason P. Breves c, Darren T. Lerner b, E. Gordon Grau b, Toyoji Kaneko a. Comparative Biochemistry and Physiology, Part A 187 (2015) 111 - 118. In vivo and

- in vitro effects of high-K<sup>+</sup> stress on branchial expression of ROMKa in seawater-acclimated Mozambique tilapia. Assessed April 17, 2018.
- HEATHER L. A. ROBSON,\*†‡ § TANSYN H. NOBLE,\*†‡ RICHARD J. SAUNDERS,\*†¶  
SIMON K. A. ROBSON,\* § DAMIEN W. BURROWS† and DEAN R. JERRY \*† ‡.  
Molecular Ecology Resources (2016) 16, 922 - 932. Fine-tuning for the tropics: application of eDNA technology for invasive fish detection in tropical freshwater ecosystems. Assessed April 17, 2018.
- B. Pratap. Comp Clin Pathol (2008) 17:133 - 136 DOI 10.1007/s00580-007-0714-y. Effects of ambient and dietary cadmium on haematological parameters in *Oreochromis mossambicus* acclimatised to low- and high-calcium water. Assessed April 17, 2018.
- R. P. Pikle . R. M. Jatiger . C. B. Ganesh. Int Aquat Res (2017) 9:203 - 213 DOI 10.1007/s40071-017-0169-y. Food-deprivation-induced suppression of pituitary - testicular-axis in the tilapia *Oreochromis mossambicus*. Assessed April 17, 2018.