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### SHORT COMMUNICATION

#### A CHECKLIST OF FISHES OF TELANGANA STATE, INDIA

Kante Krishna Prasad & Chelmala Srinivasulu

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## A checklist of fishes of Telangana State, India

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**Abstract:** A checklist of freshwater fishes of Telangana State, India including accepted common name, vernacular name, IUCN status, and endemism is presented. Freshwater fish diversity of Telangana State is represented by 143 species belonging to 14 orders and 34 families. Two species, *Rita bakalu* and *Indoreonectes telanganaensis* are endemic to Telangana State.

**Keywords:** Freshwater fish, ichthyofauna, Godavari River basin, Krishna River basin.

Telangana State (15.835–19.917 °N, 77.238–81.307 °E), located on the Deccan Plateau in the south central part of peninsular India, was part of the erstwhile united Andhra Pradesh (1956–2014). Before this the region contributed to the major land area of Hyderabad State (1948–1956) and the erstwhile Princely State of Hyderabad (1724–1948). It encompasses an area of 1,12,077km<sup>2</sup>, and is drained by two major rivers, namely the Godavari and the Krishna along with their major and minor tributaries. Some important minor rivers

include Dhundhubhi, Dindi, Haridra, Indravati, Kadam, Kagna, Kinnerasani, Manair, Manjeera, Munneru, Musi, Paleru, Peddavagu, Taliperu, Tungabhadra, Wainganga, and Wyra. Numerous natural and man-made water bodies also dot the landscape among which the major ones include Alisagar Reservoir, Annaram Barrage, Chelmelavagu Project, Devadula, Dindi, Dummugudem, Gollavagu, Gundrevula, Himayath Sagar, Icchampally, Jonnalaboguda, Jurala, Kadam, Kanthapally, Kinnerasani, Koilsagar, Laknavaram, Lendi, Lower Jurala Lower Manair, Manjeera, Medigadda, Mid Manair, Musi Reservoir, Mylaram Reservoir, Nagarjuna Sagar Reservoir, Nawabpet, Neelwai, Nizam Sagar, Osman Sagar, Pakhala, Palair, Palakurthy, Pedavagu, Pocharam, Pranahita Chevella, Rajolibanda, Ralevagu, Ramanpad, Rangaiyah-Yerraiyah, Sadarmat, Salivagu, Sathnala, Shanigaram, Shankara Samudram Balancing Reservoir, Singotam, Singur, Sriram Sagar, Tapaspalli Reservoir, Thotapally Reservoir, Udaya Samudram, Upper Manair

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Dam, Vattivagu, Wyra, and Yellampalli.

Studies on the freshwater fish diversity of Telangana State dates back to late 19<sup>th</sup> century (Day 1876). This was followed by the work of Das (1924, 1944) who presented and published accounts of fishes in Hyderabad in the proceedings of the Indian Science Congress, and later by Rahimullah & Das (1935, 1936) in 12<sup>th</sup> volume of Bulletin de la Société Portugaise des Sciences Naturelles. Comprehensive research on fishes of the erstwhile Hyderabad State was initiated by Rahimullah (1943a,b, 1944) and Mahmood & Rahimullah (1947). Other significant literature on the fishes of Godavari and Krishna river basins in the erstwhile Hyderabad State, Madras Presidency, and united Andhra Pradesh include those by David (1963a,b), Jhingran (1983), Rao & Reddy (1984), Talwar & Jhingran (1991a,b), Menon (1999, 2004), and Jayaram (1981, 1995, 1999, 2010).

Freshwater fish diversity of united Andhra Pradesh was studied and documented by Barman (1993) who reported the occurrence of 158 species belonging to 68 genera in 27 families and 10 orders. Later, Barman (2003) reported 39 species belonging to 26 genera, 12 families, and five orders occurring in the Koil Sagar, Mahabubnagar District. Chandrasekhar (2004) reported 65 species belonging to 36 genera spread over 13 families and five orders from tanks, lakes, and reservoirs in Hyderabad and environs. Recently, Rao et al. (2010, 2011) reported 24 species of fish belonging to 12 families and six orders from Pocharam Lake, and 22 species under 11 families and six orders from Wyra Lake, respectively.

Over the last few years, several new species of fish were described from this region. This includes a new species of bagrid catfish *Rita bakalu* from Pranahita River (Lal et al. 2017) and a new species of hillstream loach *Indoreonectes telanganaensis* (Prasad et al. 2020b). Prasad & Srinivasulu (2019a,b) provided new records of fishes from Telangana State, while Shyamsundar et al. (2017) and Prasad et al. (2020a) reported the checklist of freshwater fish fauna in the Udayasamudram and Manjeera reservoirs, respectively.

In recent years, numerous research papers in conference proceedings, theses, and predatory journals have been published on fish diversity of various lakes, reservoirs and rivers of Telangana State. Attempts have also been made to provide a comprehensive list of fishes known to occur in water bodies in Telangana State, including two such compilations by Srivastava et al. (2017), and Khartade et al. (2019).

## METHODS

For the present checklist, we researched and critically analysed all published (both peer-reviewed and non peer-reviewed) literature and also relied on field surveys conducted since 2010 in various parts of Telangana State. We have also provided explanation for deletion of the taxa earlier recorded in literature, and appeal to future workers to collect voucher specimens to report additions to the fish diversity of Telangana State.

## RESULTS AND DISCUSSION

In this checklist, 143 species of freshwater fishes in 14 orders and 34 families are listed (Table 1; Images 1–86), of which two species (*Rita bakalu* Lal et al., 2017 and *Indoreonectes telanganaensis* Prasad et al., 2020) are endemic to Telangana State, while 39 are endemic to India (30 to peninsular India), 11 species endemic to southern Asia (eight species from India and Sri Lanka, three species from peninsular India, three species from Bangladesh and India), and one species from India and Myanmar. As per the IUCN Red List of Threatened Species, the fish diversity of Telangana State includes 12 threatened species (including seven endangered species, namely, *Bangana nukta*, *Clarias magur*, *Hypselobarbus curmuca*, *Hypselobarbus mussullah*, *Labeo potail*, *Thynnichthys sandkhol* and *Silonia childreni*, and five vulnerable species, namely, *Cirrhinus cirrhosus*, *Gagata itchkeea*, *Hypselobarbus kolus*, *Salmostoma horai* and *Wallago attu*). As many as 13 species (*Clarias gariepinus*, *Ctenopharyngodon idella*, *Cyprinus carpio*, *Gambusia affinis*, *Hypophthalmichthys molitrix*, *H. nobilis*, *Oreochromis mossambicus*, *O. niloticus*, *Osphronemus goramy*, *Pangasianodon hypophthalmus*, *Piaractus brachypomus*, *Poecilia reticulata*, and *Pterygoplichthys pardalis*) are introduced or exotic species, some of which have negative impacts on native fish fauna.

While compiling this list 43 species which were included in earlier publications and checklist have been removed due to taxonomic reasons and / or distribution mismatch (Table 2).

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Table 1. Checklist of fishes of Telangana State, India

	English name	Species	Authority	Vernacular name	IUCN RL	Endemicity
<b>I. ORDER ANGUILLIFORMES</b>						
<b>1. Family Ophichthidae</b>						
1	Rice-paddy Eel <sup>1</sup>	<i>Pisodonophis boro</i>	(Hamilton, 1822)		LC	
<b>2. Family Anguillidae</b>						
2	Indian Mottled Eel	<i>Anguilla bengalensis</i>	(Gray, 1831)	Dungoo Maigoo	NT	
<b>II. ORDER OSTEOGLOSSIFORMES</b>						
<b>3. Family Notopteridae</b>						
3	Bronze Featherback	<i>Notopterus synurus</i>	(Bloch & Schneider, 1801)	Mangalikatti	LC	
4	Knifefish <sup>2</sup>	<i>Chitala chitala</i>	(Hamilton, 1822)	Mangalikatti	NT	
<b>III. ORDER CLUPEIFORMES</b>						
<b>4. Family Clupeidae</b>						
5	Ganges River Sprat <sup>3</sup>	<i>Corica soborna</i>	Hamilton, 1822		LC	
6	Ilisha	<i>Tenulosa ilisha</i>	(Hamilton, 1822)	Pulasa	LC	
<b>IV. ORDER CYPRINIFORMES</b>						
<b>5. Family Cobitidae</b>						
7	Guntia Loach	<i>Lepidocephalichthys guntea</i>	(Hamilton, 1822)	Ulchal	LC	
8	Common Spiny Loach	<i>Lepidocephalichthys thermalis</i>	(Valenciennes, 1846)	Asira	LC	PI & SL
<b>6. Family Nemacheilidae</b>						
9	Telangana Loach <sup>4</sup>	<i>Indoreonectes telanganaensis</i>	Prasad et al., 2020	Sanna ulshalu	NE	TS
10	Mottled Loach	<i>Paracanthocobitis cf. botia</i>	(Hamilton, 1822)	Buddulche	LC	
11	Murangi	<i>Paracanthocobitis mooreh</i>	(Sykes, 1839)	Jerri chepa	LC	PI
12	Denison's Loach	<i>Schistura denisoni</i>	(Day, 1867)	Ulsha	LC	IN
<b>7. Family Cyprinidae</b>						
13	Nukta <sup>5</sup>	<i>Bangana nukta</i>	(Sykes, 1839)	Mukkidichepa	EN	PI
14	Carnatic Carp <sup>6</sup>	<i>Barbodes carnaticus</i>	(Jerdon, 1849)		LC	PI
15	Mrigal Carp	<i>Cirrhinus cirrhosus</i>	(Bloch, 1795)	Aruzu	VU	
16	Mrigal Carp	<i>Cirrhinus mrigala</i>	(Hamilton, 1822)	Yerra Mosu	LC	
17	Reba Carp	<i>Cirrhinus reba</i>	(Hamilton, 1822)	Eele Mosu	LC	
18	Common Carp	<i>Cyprinus carpio</i> <sup>*</sup>	Linnaeus, 1758	Bangaru Teega		
19	Blackspot Barb	<i>Dawkinsia filamentosa</i>	(Valenciennes, 1844)	Chevalle-sewali	LC	PI
20	Sucker Head	<i>Garra gotyla</i>	(Gray 1830)	Banda Pakiri	LC	
21	Sucker Fish	<i>Garra mullya</i>	(Sykes, 1839)	Banda Pakiri	LC	PI
22	Nilgiris Garra	<i>Garra stenorhynchus</i>	(Jerdon, 1849)	Kalgawa	LC	PI
23	Reba	<i>Gymnostomus ariza</i>	(Hamilton, 1807)	Arju	LC	
24	Deccan White Carp	<i>Gymnostomus fulungee</i>	(Sykes, 1839)	Mosu	LC	PI
25	Curmuca Barb <sup>7</sup>	<i>Hypselobarbus curmuca</i>	(Hamilton, 1807)	Curmuca	EN	PI
26	Jerdon's Carp	<i>Hypselobarbus jerdoni</i>	(Day, 1870)	Cha-meen	LC	PI
27	Kolus	<i>Hypselobarbus kolus</i>	(Sykes, 1839)	Nilusu	VU	PI
28	Humpback Mahseer	<i>Hypselobarbus mussullah</i>	(Sykes, 1839)	Goonimansoor	EN	PI
29	Bata	<i>Labeo bata</i>	(Hamilton, 1822)	Kangu	LC	
30	Boga Labeo	<i>Labeo boga</i>	(Hamilton, 1822)	Ariza	LC	





	English name	Species	Authority	Vernacular name	IUCN RL	Endemicity
31	Boggut Labeo	<i>Labeo boggut</i>	(Sykes, 1839)	Nusigadu	LC	
32	Orangefin Labeo	<i>Labeo calbasu</i>	(Hamilton, 1822)	Kaki-bocha	LC	
33	Catla	<i>Labeo catla</i>	(Hamilton, 1822)	Bocha	LC	
34	Fringed-lipped Peninsula Carp	<i>Labeo fimbriatus</i>	(Bloch, 1795)	Chitra	LC	
35	Kuria Labeo <sup>8</sup>	<i>Labeo gonius</i>	(Hamilton, 1822)	Mosoo	LC	
36	Deccan Labeo	<i>Labeo kawrus</i>	(Sykes, 1839)		LC	PI
37	Pangusia Labeo	<i>Labeo pangusia</i>	(Hamilton, 1822)	Done-chepa	NT	
38	Bombay Labeo	<i>Labeo porcellus</i>	(Heckel, 1844)	Moyya	LC	PI
39	Deccan Labeo	<i>Labeo potail</i>	(Sykes, 1839)	Baman-chapra	EN	PI
40	Roho Labeo	<i>Labeo rohita</i>	(Hamilton, 1822)	Routa	LC	
41	Peninsular Osteobrama	<i>Osteobrama peninsularis</i>	Silas, 1952	Dammisa	NE	PI
42	Nilgiri Osteobrama	<i>Osteobrama neilli</i>	(Day, 1873)		LC	PI
43	Godavari Osteobrama	<i>Osteobrama vigorsii</i>	(Sykes, 1839)	Kaydam-chepa	LC	PI
44	Konti Barb <sup>9</sup>	<i>Osteochilichthys thomassi</i>	(Day, 1877)	Pedda Parka	LC	PI
45	Rosy Barb	<i>Pethia conchonius</i>	(Hamilton, 1822)	Perka-chepa	LC	
46	Golden Barb <sup>10</sup>	<i>Pethia gelius</i>	(Hamilton, 1822)		LC	BD & IN
47	Ticto Barb	<i>Pethia ticto</i>	(Hamilton, 1822)	Parigi	LC	
48	Scarlet-banded Barb	<i>Puntius amphibius</i>	(Valenciennes, 1842)	Perka-chepa	DD	IN
49	Redside Barb	<i>Puntius bimaculatus</i>	(Bleeker, 1863)		LC	IN & SL
50	Swamp Barb	<i>Puntius chola</i>	(Hamilton, 1822)	Pakki	LC	
51	Long snouted Barb	<i>Puntius dorsalis</i>	(Jerdon, 1849)	Perka	LC	IN & SL
52	Wynaad Barb <sup>11</sup>	<i>Puntius melanostigma</i>	(Day, 1878)	Perka	NE	IN
53	Pool Barb	<i>Puntius sophore</i>	(Hamilton, 1822)	Chedu Parigi	LC	
54	Greenstripe Barb	<i>Puntius vittatus</i>	Day, 1865	Parigi chepa	LC	IN & SL
55	Vatani Rohtee	<i>Rohtee ogilbii</i>	Sykes, 1839	Aku chepa	LC	PI
56	Olive Barb	<i>Systemus sarana</i>	(Hamilton, 1822)	Kanugu	LC	
57	Stone Roller <sup>12</sup>	<i>Tariqilabeo latus</i>	(Hamilton, 1822)		LC	
58	Sandkhol Carp	<i>Thynnichthys sandkhol</i>	(Sykes, 1839)	Thalasisgadu	EN	PI
59	Deccan Mahseer	<i>Tor khudree</i>	(Sykes, 1839)	Kudis	LC	IN & SL
<b>8. Family Danionidae</b>						
60	Mola Carplet	<i>Amblypharyngodon mola</i>	(Hamilton, 1822)	Alan Chepa	LC	
61	Barred Baril	<i>Barilius barila</i>	(Hamilton, 1822)	Kodipe	LC	
62	Morari	<i>Cabdio morar</i>	(Hamilton, 1822)	Gitsu	LC	
63	Silver Hatchet Chela	<i>Chela cachius</i>	(Hamilton, 1822)	Getchu	LC	
64	Zebra Danio	<i>Danio rerio</i>	(Hamilton, 1822)	Chintaku-parega	LC	
65	Giant Danio	<i>Devario aequipinnatus</i>	(McClelland, 1839)	Nooltu	LC	
66	Sind Danio	<i>Devario devario</i>	(Hamilton, 1822)	Nooltu	LC	
67	Indian Flying Barb	<i>Esomus danrica</i>	(Hamilton, 1822)	Meesagadu	LC	
68	Flying Barb <sup>13</sup>	<i>Esomus thermoicos</i>	(Valenciennes, 1842)	Meesagadu	LC	PI & SL
69	Indian Glass Barb	<i>Laubuka laubuca</i>	(Hamilton, 1822)	Getchu	LC	
70	Barna Baril	<i>Opsarius barna</i>	(Hamilton, 1822)	Kodipe	LC	
71	Hamilton's Baril	<i>Opsarius bendelisis</i>	(Hamilton, 1807)	Kodipe	LC	

	English name	Species	Authority	Vernacular name	IUCN RL	Endemicity
72	Slender Rasbora	<i>Rasbora daniconius</i>	(Hamilton, 1822)	Narangi	LC	
73	Gangetic Scissortail Rasbora	<i>Rasbora rasbora</i>	(Hamilton, 1822)	Kodipe-chepa	LC	
74	Silver Razorbelly Minnow	<i>Salmostoma acinaces</i>	(Valenciennes, 1844)		LC	PI
75	Large Razorbelly Minnow	<i>Salmostoma bacaila</i>	(Hamilton, 1822)	Chandamama	LC	
76	Bloch Razorbelly Minnow	<i>Salmostoma balookee</i>	(Sykes, 1839)	Ichkey	LC	PI
77	Boopis Razorbelly Minnow	<i>Salmostoma boopis</i>	(Day, 1874)	Chela	LC	PI
78	Hora Razorbelly Minnow	<i>Salmostoma horai</i>	(Silas, 1951)	Chela	VU	IN
79	Novacula Razorbelly Minnow	<i>Salmostoma novacula</i>	(Valenciennes, 1838)	Chandamama	LC	PI
80	Finescale Razorbelly Minnow	<i>Salmostoma phulo</i>	(Hamilton, 1822)	Blancha	LC	
81	Mahanadi Razorbelly Minnow	<i>Salmostoma untrahi</i>	(Day, 1869)	Chela	LC	IN
<b>9. Family Xenocyprididae</b>						
82	Grass Carp	<i>Ctenopharyngodon idella*</i>	(Valenciennes, 1844)	Ela-mosa		
83	Silver Carp	<i>Hypophthalmichthys molitrix*</i>	(Valenciennes, 1844)	Vendi chepa		
84	Big-head Carp	<i>Hypophthalmichthys nobilis*</i>	(Richardson, 1845)			
<b>V. ORDER CHARACIFORMES</b>						
<b>10. Family Characidae</b>						
85	Red-bellied Pacu	<i>Piaractus brachypomus*</i>	(Cuvier, 1818)	Pacu		
<b>VI. ORDER SILURIFORMES</b>						
<b>11. Family Loricariidae</b>						
86	Amazon Sailfin Catfish	<i>Pterygoplichthys pardalis*</i>	(Castelnau, 1855)	Dayyam-chepa		
<b>12. Family Ailiidae</b>						
87	Goongwaree Vacha	<i>Eutropiichthys goongwaree</i>	(Sykes, 1839)	Gaddamsiluva	DD	IN & MM
88	Indian Taakree	<i>Proeutropiichthys taakree</i>	(Sykes, 1839)	Siriva-jella	LC	IN
89	Schilbid Catfish	<i>Silonia childreni</i>	(Sykes, 1839)	Pedda-jella	EN	PI
<b>13. Family Horabagridae</b>						
90	Khavalchor Catfish <sup>14</sup>	<i>Pachypterus khavalchor</i>	(Kulkarni, 1952)		DD	PI
<b>14. Family Bagridae</b>						
91	Krishna Mystus	<i>Hemibagrus maydelli</i>	(Rössel, 1964)	Ponduga	LC	PI
92	Day's Mystus	<i>Mystus bleekeri</i>	(Day, 1877)	Narjella	LC	
93	Gangetic Mystus	<i>Mystus cavasius</i>	(Hamilton, 1822)	Thella-jella	LC	
94	Long Whiskers Catfish	<i>Mystus gulio</i>	(Hamilton, 1822)	Jella	LC	
95	Tengara Catfish	<i>Mystus tengara</i>	(Hamilton, 1822)	Jella	LC	BD & IN
96	Striped Dwarf Catfish	<i>Mystus vittatus</i>	(Bloch, 1794)	Erra-jella	LC	
97	Gogra Rita	<i>Rita gogra</i>	(Sykes, 1839)	Banki-yeddu	LC	IN
98	Deccan Rita	<i>Rita kuturnee</i>	(Sykes, 1839)	Bondu	LC	PI
99	Bakalu Rita <sup>15</sup>	<i>Rita bakalu</i>	Lal et al., 2017	Bakalu	NE	TS
100	Long Whiskered Cat-fish	<i>Sperata aor</i>	(Hamilton, 1822)	Mukkul-jella	LC	
101	Giant River-catfish	<i>Sperata seenghala</i>	(Sykes, 1839)	Nara-jella	LC	



	English name	Species	Authority	Vernacular name	IUCN RL	Endemicity
<b>15. Family Sisoridae</b>						
102	Goonch	<i>Bagarius bagarius</i>	(Hamilton, 1822)	Raati jella	NT	
103	Deccan Nangra	<i>Gagata itchkeea</i>	(Sykes, 1839)	Menamama Bakkalu	VU	PI
104	Mountain Catfish	<i>Glyptothorax lonah</i>	(Sykes, 1839)		LC	IN
<b>16. Family Pangasiidae</b>						
105	Pangas Catfish	<i>Pangasius pangasius</i>	(Hamilton, 1822)	Banka-jella	LC	
106	Sutchi Catfish	<i>Pangasianodon hypophthalmus*</i>	(Sauvage, 1878)	Choluva-jella		
107	Silas' Catfish <sup>16</sup>	<i>Pangasius silasi</i>	Dwivedi et al. 2017	Banka-jella	NE	PI
<b>17. Family Siluridae</b>						
108	Butter Catfish	<i>Ompok bimaculatus</i>	(Bloch, 1794)	Theenuva	NT	
109	Pabdah Catfish	<i>Ompok pabda</i>	(Hamilton, 1822)	Gogli	NT	BD & IN
110	Pabo Catfish	<i>Ompok pabo</i>	(Hamilton, 1822)	Theduva	NT	
111	Wallago	<i>Wallago attu</i>	(Bloch & Schneider, 1801)	Valuga	VU	
<b>18. Family Clariidae</b>						
112	Magur	<i>Clarias magur</i>	(Hamilton, 1822)	Marpoo	EN	
113	African Catfish	<i>Clarias gariepinus*</i>	(Burchell, 1822)			
<b>19. Family Heteropneustidae</b>						
114	Stinging Catfish	<i>Heteropneustes fossilis</i>	(Bloch, 1794)	Mapu-jella	LC	
<b>VII. ORDER GOBIIFORMES</b>						
<b>20. Family Gobiidae</b>						
115	Tank goby	<i>Glossogobius giuris</i>	(Hamilton, 1822)	Bullee-kokah	LC	
<b>VIII. ORDER SYNBRANCHIFORMES</b>						
<b>21. Family Mastacembelidae</b>						
116	Lesser Spiny Eel <sup>17</sup>	<i>Macragnathus aral</i>	(Bloch & Schneider, 1801)	Bommidai	LC	
117	Barred Spiny Eel	<i>Macragnathus pancalus</i>	Hamilton, 1822	Parparaal	LC	
118	Zig-zag Eel	<i>Mastacembelus armatus</i>	(Lacepède, 1800)	Kontemukku	LC	
<b>IX. ORDER ANABANTIFORMES</b>						
<b>22. Family Anabantidae</b>						
119	Climbing Perch	<i>Anabas testudineus</i>	(Bloch, 1792)	Goraka Chepa	LC	
<b>23. Family Osphronemidae</b>						
120	Giant Gourami	<i>Osphronemus goramy*</i>	Lacepède, 1801	Gourami		
121	Dwarf Gourami <sup>18</sup>	<i>Trichogaster lalius</i>	(Hamilton, 1822)	Chinna Gourami	LC	
122	Banded Gourami	<i>Trichogaster fasciata</i>	Bloch & Schneider, 1801	Raika-punjee	LC	
<b>24. Family Channidae</b>						
123	Dwarf Snakehead	<i>Channa gachua</i>	(Hamilton, 1822)	Erra Matta	LC	
124	Great Snakehead	<i>Channa marulius</i>	(Hamilton, 1822)	Poola Matta	LC	
125	Spotted Snakehead	<i>Channa punctata</i>	(Bloch, 1793)	Matta	LC	
126	Striped Snakehead	<i>Channa striata</i>	(Bloch, 1793)	Koramata	LC	
<b>25. Family Nandidae</b>						
127	Gangetic Leaffish	<i>Nandus nandus</i>	(Hamilton, 1822)	Pindiperka	LC	
<b>26. Family Badidae</b>						
128	Badis <sup>19</sup>	<i>Badis badis</i>	(Hamilton, 1822)	Kundala	LC	

	English name	Species	Authority	Vernacular name	IUCN RL	Endemicity
<b>X. ORDER CICHLIFORMES</b>						
<b>27. Family Cichlidae<sup>1</sup></b>						
129	Pearlspot	<i>Etoplus suratensis</i>	(Bloch, 1790)	Duvvena-chepa	LC	IN & SL
130	Mozambique Tilapia	<i>Oreochromis mossambicus</i> *	(Peters, 1852)	Jilebi		
131	Nile Tilapia	<i>Oreochromis niloticus</i> *	(Linnaeus, 1758)	Tilapia		
132	Orange Chromide	<i>Pseudotroplus maculatus</i>	(Bloch, 1795)	Burakasu	LC	PI & SL
<b>XI. ORDER CYPRINODONTIFORMES</b>						
<b>28. Family Aplocheilidae</b>						
133	Striped Panchax	<i>Aplocheilus lineatus</i>	(Valenciennes, 1846)	Minnow Chepa	LC	IN
134	Blue Panchax	<i>Aplocheilus panchax</i>	(Hamilton, 1822)	Minnow Chepa	LC	
<b>29. Family Poeciliidae</b>						
135	Mosquito Fish	<i>Gambusia affinis</i> *	(Baird & Girard, 1853)	Gambusia		
136	Guppy	<i>Poecilia reticulata</i> *	Peters, 1859	Guppy Cheppa		
<b>XII. ORDER BELONIFORMES</b>						
<b>30. Family Belonidae</b>						
137	Freshwater Garfish	<i>Xenentodon cancila</i>	(Hamilton, 1822)	Vadla-mukku	LC	
<b>31. Family Hemiramphidae</b>						
138	Congaturi Halfbeak	<i>Hyporhamphus limbatus</i>	(Valenciennes, 1847)	Konga-mukku	LC	
<b>32. Family Adrianichthyidae</b>						
139	Rice Fish	<i>Oryzias dancena</i>	(Hamilton, 1822)	Chukku-chepa	LC	
<b>XIII. ORDER MUGILIFORMES</b>						
<b>33. Family Mugilidae</b>						
140	Corsula	<i>Rhinomugil corsula</i>	(Hamilton, 1822)	Pai-kalla Chepa	LC	
<b>XIV. ORDER PERCIFORMES</b>						
<b>34. Family Ambassidae</b>						
141	Elongate Glass-perchlet	<i>Chanda nama</i>	Hamilton, 1822	Sarawara	LC	
142	Highfin Glassy-perchlet	<i>Parambassis lala</i>	(Hamilton, 1822)		NT	
143	Indian Glassy Fish	<i>Parambassis ranga</i>	(Hamilton, 1822)	Sarawa	LC	

DD—Data Deficient | EN—Endangered | LC—Least Concern | NE—Not Evaluated | NT—Near Threatened | VU—Vulnerable | BD—Bangladesh | IN—India | MM—Myanmar | PI—Peninsular India | SL—Sri Lanka | TS—Telangana State | \*—Introduced / exotic species

<sup>1</sup>Known from Udayasamudram Reservoir, Nalgonda District (R. Shyamsundar pers. comm.)

<sup>2</sup>Known from Talai near Bejjur, Komaram Bheem Asifabad District (present study)

<sup>3</sup>Known from Komaram Bheem Asifabad District (Prasad et al. 2020c)

<sup>4</sup>Known from the type locality- Maisamma Loddi, in Kawal Tiger Reserve, Mancherial District (Prasad et al. 2020b)

<sup>5</sup>Known from Srisaillam Reservoir, Nagarkurnool District (Jayaram 1995)

<sup>6</sup>Known from Jamkhandi to Lingalagattu and up to Nagarjunasagar Reservoir (Jayaram 1995)

<sup>7</sup>Known from Nizam Sagar Reservoir, Kamareddy District (Barman 1993)

<sup>8</sup>Known from Godavari River flowing through Bhadradi Kothagudem District (Barman 1993)

<sup>9</sup>Known from Krishna River between Rekulampally to Nagarjunasagar Dam (Jayaram 1995)

<sup>10</sup>Known from Godavari River, Peddapalli district and Nizam Sagar Reservoir, Kamareddy District (Barman 1993)

<sup>11</sup>Known from Krishna River (no exact location known, vide David 1963a), and Bejjur, Komaram Bheem Asifabad District (present study)

<sup>12</sup>Known from Krishna River between Rekulampally to Srisaillam Dam (Jayaram 1995), and Hyderabad environs (Chandrasekhar 2004)

<sup>13</sup>Known from Janampeta and Koil Sagar Reservoir in Mahbubnagar District (Barman 1993, 2003)

<sup>14</sup>Known from Krishna River between Jamkhandi to Lingalagattu (Jayaram 1995)

<sup>15</sup>Known from type locality - Talai near Bejjur, Komaram Bheem Asifabad District (Lal et al. 2017; present study)

<sup>16</sup>Known from Nagarjunasagar Reservoir, Krishna River in Nalgonda District (Dwivedi et al. 2017)

<sup>17</sup>Known from Phulang River, Nizamabad District (Barman 1993)

<sup>18</sup>Known from Pocharam Lake, Medak district and Molachintalpally, Nagarkurnool District (present study)

<sup>19</sup>Known only from Manjeera Reservoir (Prasad & Srinivasulu 2019b, Prasad et al. 2020a), and Wardha River, Komaram Bheem Asifabad District (present study)



Table 2. Doubtful species removed from the final list of fishes known from Telangana State, India.

Family	Order	Species	Reason	Reference	
Anguilliformes	Anguillidae	<i>Anguilla bicolor</i> McClelland, 1844	On the eastern side of Indian peninsula, this species is known only from the coastal areas	Pike et al. (2019)	
Beloniformes	Adrianichthyidae	<i>Oryzias melastigma</i> (McClelland, 1839)	This species is known only from Wyand in Kerala and along east coast of India from Tamil Nadu to West Bengal	Abraham (2011d)	
Cypriniformes	Hemirhamphidae	<i>Hyporhamphus xanthopterus</i> (Valenciennes, 1847)	This species is endemic to the lakes of southern Kerala, Western Ghats	Shaji (2011)	
	Cobitidae	<i>Lepidocephalichthys bermorei</i> (Blyth, 1860)	This species is known only from Irrawaddy drainage in Manipur	Daniels & Dahanukar (2020)	
		<i>Bangana diplostomus</i> (Heckel, 1838)	This species is known from Indus & Gangetic drainages in northern India and Pakistan	Vishwanath (2010a)	
	Cyprinidae		<i>Garra lamta</i> (Hamilton, 1822)	Reports of this species from southern India needs verification	Singh (2010)
			<i>Garra maclellandi</i> (Jerdon, 1849)	This species is endemic to Western Ghats, known from Tamil Nadu, Kerala, and Karnataka	Dahanukar (2011b)
			<i>Haludaria melanampyx</i> (Day, 1865)	This species is endemic to Western Ghats, known from Kerala and Karnataka	Abraham (2015)
			<i>Hypselobarbus dobsoni</i> (Day, 1876)	Taxonomic uncertainty. This species is endemic to Western Ghats, known from Tamil Nadu, Kerala, Maharashtra, and Karnataka	Devi et al. (2005), Raghavan & Ali (2011b)
			<i>Labeo dussumieri</i> (Valenciennes, 1842)	This species is endemic to Western Ghats, known from southern Kerala	Raghavan & Ali (2011c)
			<i>Labeo dyocheilus</i> (McClelland, 1839)	This species is restricted to the Gangetic Plains and along the Himalayas in Assam, Uttar Pradesh, Uttarakhand, West Bengal, and Bihar	Dahanukar (2010b)
			<i>Labeo kontius</i> (Jerdon, 1849)	This species is restricted to the Cauveri river and its tributaries	Manimekalan (2011)
			<i>Labeo microphthalmus</i> Day, 1877	This species is restricted to Punjab, Uttar Pradesh, and Uttarakhand	Dahanukar (2010c)
			<i>Labeo nigrescens</i> Day, 1870	This species is restricted to Kerala and Karnataka	John & John (2004)
			<i>Osteobrama belangeri</i> (Valenciennes, 1844)	Presently <i>O. belangeri</i> is known only from Myanmar	Vishwanath (2010b)
			<i>Osteobrama cotio</i> (Hamilton, 1822)	All earlier records (Rahimullah 1943a,b, 1944; Mahmood & Rahimullah 1947; Barman 1993; Jayaram 1995; Prasad et al. 2020) assigned to this taxon are considered as <i>Osteobrama peninsularis</i> due to recent taxonomic changes recognizing specific status of taxa <i>cunma</i> and <i>peninsularis</i> , earlier considered subspecies of <i>Osteobrama cotio</i>	Rahman et al. (2018)
			<i>Osteobrama cunma</i> (Day, 1888)	See above remarks. All earlier records (Rahimullah 1943a,b, 1944; Mahmood & Rahimullah 1947; Barman 1993; Jayaram 1995) assigned to <i>O. peninsularis</i> . Presently <i>O. cunma</i> is known only from northeast India and Myanmar	Vishwanath (2010c)
			<i>Osteochilus nashii</i>	This species is restricted to Maharashtra, Karnataka, Kerala and Tamil Nadu. Earlier records of this taxon from Godavari and Krishna river basins could possibly represent <i>Osteochilichthys godavariensis</i> Babu Rao, 1977	Ali et al. (2011)
			<i>Pethia stoliczkana</i> (Day, 1871)	This species is currently treated as restricted to Chindwin in Manipur, India and Myanmar and extends in range to Thailand and Laos	Dahanukar (2015)
			<i>Puntius parrah</i> Day, 1865	This species is restricted to Maharashtra, Karnataka, Kerala and Tamil Nadu.	Abraham (2011e)
			<i>Puntius terio</i> (Hamilton 1822)	This species' occurrence in Hyderabad needs validation, as this species occurs in Uttar Pradesh, Orissa, Assam, Meghalaya, West Bengal, Bihar, and Manipur	Dahanukar (2010a)
		Danionidae		<i>Amblypharyngodon microlepis</i> (Bleeker, 1853)	The records of this species from Andhra Pradesh comes from literature that reports its presence from Kadapa district with no exact location mentioned.



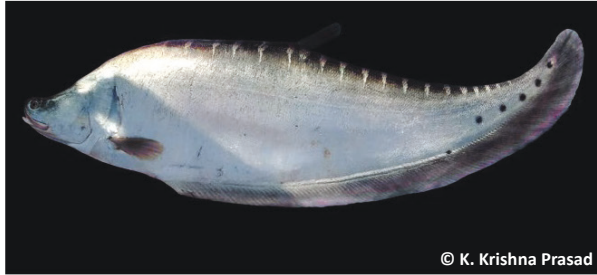
Family	Order	Species	Reason	Reference	
Cypriniformes		<i>Amblypharyngodon melettinus</i> (Valenciennes, 1844)	This species is distributed along the coastal water bodies in Karnataka, Kerala, and Tamil Nadu	Abraham (2011a)	
		<i>Bengala elanga</i> (Hamilton, 1822)	This species is restricted to West Bengal, Bihar, Assam, and Arunachal Pradesh	Vishwanath (2018)	
		<i>Devario malabaricus</i> (Jerdon, 1849)	This species is restricted to Western Ghats, known from Karnataka, Goa, Tamil Nadu, Maharashtra, and Kerala, and Sri Lanka	Raghavan et al. (2019)	
		<i>Opsarius bakeri</i> (Day, 1865)	This species is restricted to Western Ghats, known from Karnataka, Tamil Nadu, and Kerala	Dahanukar (2011a)	
		<i>Rasbora caverii</i> (Jerdon, 1849)	Although, Barman (1993) mention collection of this taxon from Kalwala Reservoir, Karimnagar district, we discount this record as it could be misidentified <i>Rasbora</i> species, as the lateral line scales of the specimens are mentioned as 32, while <i>Rasbora caverii</i> has 36 to 37 lateral line scales		
	Nemacheilidae	<i>Nemacheilus anguilla</i> Annandale, 1919	This species is restricted to Western Ghats, known from Karnataka, Maharashtra, and Kerala	Ali & Raghavan (2011)	
		<i>Schistura striata</i> (Day, 1867)	This species is restricted to Western Ghats, known from Karnataka, Tamil Nadu, and Kerala	Abraham (2011b)	
Gobiiformes	Gobiidae	<i>Awaous grammepomus</i> (Bleeker, 1849)	This species is known from the coastal areas of India	Larson (2019)	
Siluriformes	Ailiidae	<i>Ailia coila</i> (Hamilton, 1822)	This species does not occur in Godavari and Krishna river drainages, and occurs in northern river drainages in India	Ng & Dahanukar (2011)	
		<i>Eutropiichthys vacha</i> (Hamilton, 1822)	This species does not occur in Godavari and Krishna river drainages, and occurs in Ganges and Mahanadi river drainages	Ng (2010a)	
	Bagridae	<i>Hemibagrus menoda</i> (Hamilton, 1822)	This species is known from the Brahmaputra, Ganges and Mahanadi river drainages in India, Nepal, and Bangladesh	Ng (2010b)	
		<i>Hemibagrus microphthalmus</i> (Day, 1877)	This species is known from the Irrawaddy, Sittang, and Salween river drainages in northeast India	Ng (2010c)	
		<i>Hemibagrus punctatus</i> (Jerdon, 1849)	This species is endemic to Western Ghats, known from Tamil Nadu, Kerala, and Karnataka	Raghavan & Ali (2011a)	
		<i>Mystus malabaricus</i> (Jerdon, 1849)	This species is endemic to Western Ghats, known from Tamil Nadu, Kerala, Maharashtra, and Karnataka	Abraham (2011c)	
		<i>Mystus montanus</i> (Jerdon, 1849)	This species is endemic to Western Ghats, known from Tamil Nadu, Kerala, and Karnataka	Dahanukar (2011c)	
		<i>Rita chrysea</i> Day, 1877	This species is restricted to Mahanadi river drainage, known from Odisha and Chhattisgarh	Dahanukar (2010d)	
	Clariidae		<i>Clarias batrachus</i> (Linnaeus, 1758)	Due to recent taxonomic change this species has been restricted in distribution to Java, Indonesia, while the nomen <i>Clarias magur</i> (Hamilton, 1822) has been applied to this taxon occurring in Indian subcontinent. Hence, the nomen is not applicable to India	Ng & Kottelat (2008)
	Horabagridae		<i>Pachypterus atherinoides</i> (Bloch, 1794)	Although it is opined that the species may be probably extant in Telangana State, no confirmed record exists	Ng (2010d)
	Siluridae		<i>Ompok malabaricus</i> (Valenciennes, 1840)	This species is endemic to the Indian peninsula with its distribution ranging in Maharashtra, Goa and Karnataka and Kerala along the Western Ghats mountain range	Jayaram (2010)
		<i>Gogangra viridescens</i> (Hamilton, 1822)	This species is known from the Ganges and Brahmaputra river drainages in India and Nepal	Ng (2010e)	
Synbranchiformes	Mastacembelidae	<i>Macrognathus guentheri</i> (Day, 1865)	This species is endemic to Western Ghats, known from Kerala	Dahanukar (2011d)	



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Image 1. *Anguilla bengalensis* (Gray, 1831)

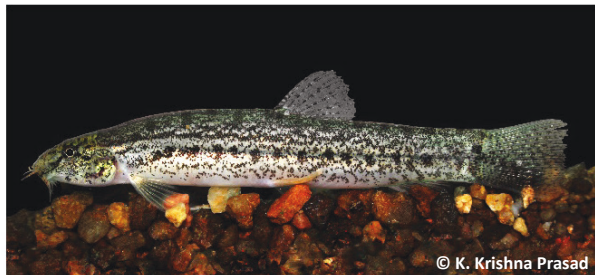
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Image 2. *Notopterus synurus* (Bloch & Schneider, 1801)

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Image 3. *Chitala chitala* (Hamilton, 1822)

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Image 4. *Corica soborna* Hamilton, 1822

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Image 5. *Lepidocephalichthys guntea* (Hamilton, 1822)

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Image 6. *Lepidocephalichthys thermalis* (Valenciennes, 1846)

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Image 7. *Indoreonectes telanganaensis* Prasad et al., 2020

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Image 8. *Paracanthocobitis* cf. *botia* (Hamilton, 1822)

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Image 9. *Paracanthocobitis* cf. *moorei* (Sykes, 1839)

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Image 10. *Schistura denisoni* (Day, 1867)





Image 11. *Cirrhinus reba* (Hamilton, 1822)



Image 12. *Cyprinus carpio* Linnaeus, 1758



Image 13. *Dawkinsia filamentosa* (Valenciennes, 1844)



Image 14. *Garra mullya* (Sykes, 1839)



Image 15. *Gymnostomus ariza* (Hamilton, 1807)



Image 16. *Hypselobarbus kolus* (Sykes, 1839)



Image 17. *Labeo calbasu* (Hamilton, 1822)



Image 18. *Labeo catla* (Hamilton, 1822)



Image 19. *Labeo porcellus* (Heckel, 1844)



Image 20. *Labeo rohita* (Hamilton, 1822)





Image 21. *Osteobrama peninsularis* Silas, 1952



Image 22. *Osteobrama vigorsii* (Sykes, 1839)



Image 23. *Pethia conchoni* (Hamilton, 1822)



Image 24. *Pethia gelius* (Hamilton, 1822)



Image 25. *Pethia ticto* (Hamilton, 1822)



Image 26. *Puntius amphibius* (Valenciennes, 1842)



Image 27. *Puntius bimaculatus* (Bleeker, 1863)



Image 28. *Puntius chola* (Hamilton, 1822)



Image 29. *Puntius sophore* (Hamilton, 1822)



Image 30. *Puntius vittatus* Day, 1865



Image 31. *Systemus sarana* (Hamilton, 1822)



Image 32. *Amblypharyngodon mola* (Hamilton, 1822)

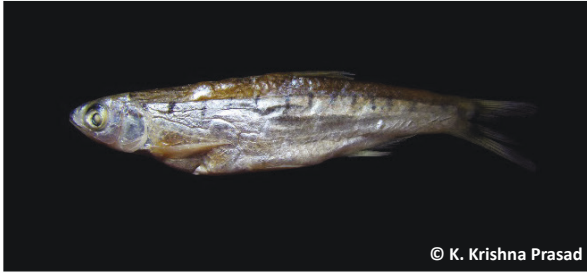


Image 33. *Barilius barila* (Hamilton, 1822)



Image 34. *Danio rerio* (Hamilton, 1822)



Image 35. *Devario aequipinnatus* (McClelland, 1839)



Image 36. *Devario devario* (Hamilton, 1822)



Image 37. *Esomus danrica* (Hamilton, 1822)



Image 38. *Laubuka laubuca* (Hamilton, 1822)



Image 39. *Opsarius bendelisis* (Hamilton, 1807)

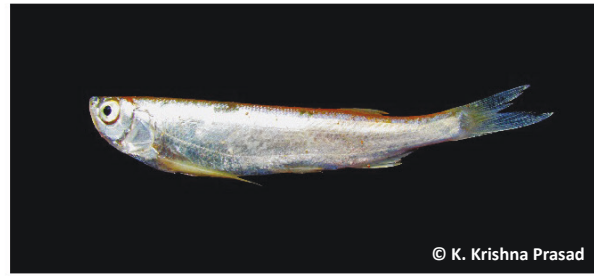


Image 40. *Rasbora daniconius* (Hamilton, 1822)





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Image 41. *Salmostoma bacaila* (Hamilton, 1822)

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Image 42. *Salmostoma balookee* (Sykes, 1839)

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Image 43. *Salmostoma phulo* (Hamilton, 1822)

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Image 44. *Ctenopharyngodon Idella* (Valenciennes, 1844)

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Image 45. *Hypophthalmichthys molitrix* (Valenciennes, 1844)

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Image 46. *Piaractus brachypomus* (Cuvier, 1818)

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Image 47. *Proeutropiichthys taakree* (Sykes, 1839)

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Image 48. *Mystus bleekeri* (Day, 1877)

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Image 49. *Mystus cavasius* (Hamilton, 1822)

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Image 50. *Mystus cf. vittatus* (Bloch, 1794)



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Image 51. *Rita gogra* (Sykes, 1839)



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Image 52. *Rita kuturnee* (Sykes, 1839)



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Image 53. *Sperata aor* (Hamilton, 1822)



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Image 54. *Sperata seenghala* (Sykes, 1839)



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Image 55. *Bagarius bagarius* (Hamilton, 1822)



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Image 56. *Gagata itchkeea* (Sykes, 1839)



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Image 57. *Pangasius pangasius* (Hamilton, 1822)



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Image 58. *Pangasianodon hypophthalmus* (Sauvage, 1878)



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Image 59. *Ompok bimaculatus* (Bloch, 1794)



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Image 60. *Wallago attu* (Bloch & Schneider, 1801)





Image 61. *Clarias magur* (Hamilton, 1822)

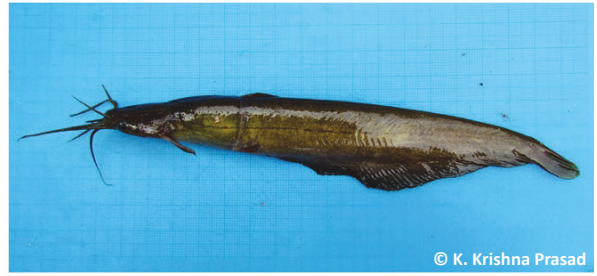


Image 62. *Heteropneustes fossilis* (Bloch, 1794)



Image 63. *Glossogobius giuris* (Hamilton, 1822)



Image 64. *Macrognathus pancalus* (Hamilton, 1822)



Image 65. *Mastacembelus armatus* (Lacepède, 1800)



Image 66. *Trichogaster lalius* (Hamilton, 1822)

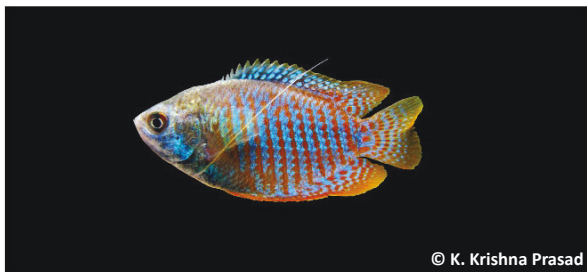


Image 67. *Trichogaster fasciatus* (Bloch & Schneider, 1801)



Image 68. *Channa gachua* (Hamilton, 1822)



Image 69. *Channa marulius* (Hamilton, 1822)



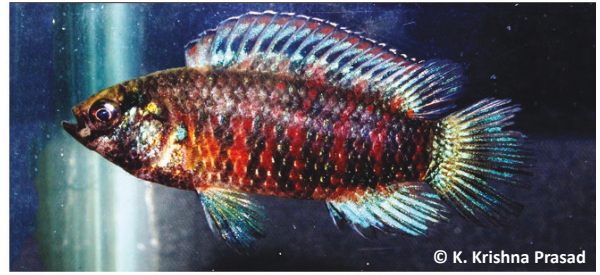
Image 70. *Channa punctata* (Bloch, 1793)





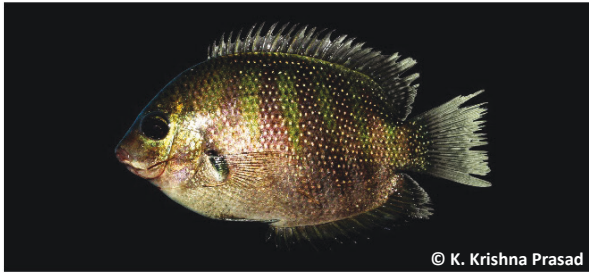
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Image 71. *Channa striata* (Bloch, 1793)



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Image 72. *Badis badis* (Hamilton, 1822)



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Image 73. *Etroplus suratensis* (Bloch, 1790)



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Image 74. *Oreochromis mossambicus* (Peters, 1852)



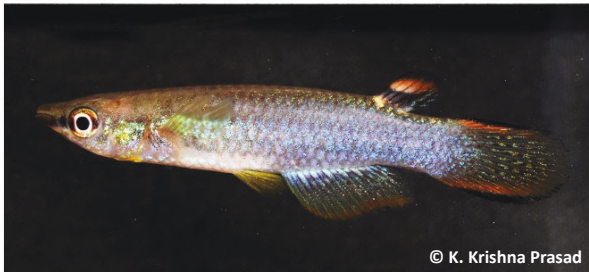
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Image 75. *Oreochromis niloticus* (Linnaeus, 1758)



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Image 76. *Pseudetroplus maculatus* (Bloch, 1795)



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Image 77. *Aplocheilichthys panchax* (Hamilton, 1822)



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Image 78. *Gambusia affinis* (Baird & Girard, 1853)



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Image 79. *Poecilia reticulata* Peters, 1859



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Image 80. *Xenentodon cancila* (Hamilton, 1822)



Image 81. *Hyporhamphus limbatus* (Valenciennes, 1847)Image 82. *Oryzias dancena* (Hamilton, 1822)Image 83. *Rhinomugil corsula* (Hamilton, 1822)Image 84. *Chanda nama* Hamilton, 1822Image 85. *Parambassis lala* (Hamilton, 1822)Image 86. *Parambassis ranga* (Hamilton, 1822)

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