



Fishes of West Bengal: Review and Annotated Checklist

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Authors' contributions

This work was carried out in collaboration between both authors. Author AS assisted in data collection, draft writing and formatting. Author CRS finalised the manuscript and supervised the whole work. Both authors read and approved the final manuscript.

Article Information

DOI: 10.56557/UPJOZ/2023/v44i163576

Editor(s):

(1) Dr. Osama Anwer Saeed, University of Anbar, Iraq.

Reviewers:

(1) Dian Samitra, PGRI Silampari University, Indonesia.

(2) Asela del Carmen Rodríguez-Varela, Universidad Nacional Autónoma de México, México.

Review Article

Received: 18/05/2023

Accepted: 21/07/2023

Published: 31/07/2023

ABSTRACT

An updated systematic inventory of the fish faunal variety from the state of West Bengal, comprising 894 species represented by 36 orders and 152 families, has been produced following an extensive review of the literature. Diversity-wise, order Acanthuriformes, has 19 families and 120 species, is the top order of both freshwater and marine fishes. Cypriniformes, which has 7 families and 117 species, is the second most diverse order and the most diverse order in freshwater. Cyprinidae, makes up 6% of the entire fish population in West Bengal, is the family with the most diversity. Marine fishes showed the highest diversity in Gobiidae and Carangidae with 5.6% and 4.8% respectively. 221 species are fully freshwater species, whereas 297 species are marine. The rest of the species are associated with fresh water, brackish and marine habitats. According to the IUCN red list status, 8 species belong to the critically endangered category, 18 belong to the endangered category, 30 species belong to the vulnerable category and 37 species belong to the near threatened category. The conservation status of 239 fish species found in West Bengal has not yet been determined by IUCN. The present study is the first attempt to provide a

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comprehensive data of fish faunal diversity occurring from all the habitats present in West Bengal, which will ultimately help in the management of the prospects of fisheries resources from West Bengal as well as provide support for the effective conservational planning process.

Keywords: *Brackish; checklist; fish; fresh water; ichthyofaunal diversity; marine.*

1. INTRODUCTION

West Bengal, located between latitudes 21°38' - 27°19' N and longitudes 85°50' - 89°50' E, extends from the northern Himalayas to the southern Bay of Bengal. It covers an approximate area of 88,752 square kilometers. West Bengal is bordered by five states (Sikkim, Assam, Bihar, Jharkhand, and Orissa) and shares its boundaries with three countries (Bhutan, Nepal, and Bangladesh) and a total of 23 districts constitutes the state [1]. Due to the geographical conditions of West Bengal it has been gifted with several freshwater bodies like channels, rivers, several river tributaries in the northern and mid region, and a large no of aquatic bodies located at the flood plains of lower Bengal [2]. West Bengal boasts a diverse range of freshwater fisheries resources spanning approximately 6.02 hundred thousand hectares [3]. These resources encompass various bodies of water, including Ponds and Tanks (covering 2.88 hundred thousand hectares), Floodplain wetlands - Beels/Baors (0.42 hundred thousand hectares), Reservoirs (0.28 hundred thousand hectares), 22 river drainage basins (1.64 hundred thousand hectares), and Canals (0.80 hundred thousand hectares). Notably, the river basins of Ganga (encompassing 81% of the area), Brahmaputra (12%), Subarnarekha (4%), and two small coastal rivers (3%) play a crucial role in supporting the rich biodiversity of freshwater fish in West Bengal [2, 3, 4]. Although not only the freshwater resources but also the Marine and estuarine part of West Bengal is quite remarkable. West Bengal is located along the northern section of the east coast of India, encompassing a coastline of 157 kilometers (excluding the coastal length of creeks and river islands) which borders the Bay of Bengal. Sunderban, the main attraction of lower Bengal is the convergence site of the Ganga and Brahmaputra rivers with the Bay of Bengal gives rise to numerous river islands and creeks and is characterized by mudflats and the unique mangrove ecosystem as well as expansive intertidal areas with sandy beaches extending from Bakhali to Digha [5]. Sunderban is the main reason behind the vast marine and estuarine fish fauna of west Bengal because 2109.76 sq km

area of estuarine mangroves, act as a breeding and nursery ground for this diversified faunal group [6].

Several studies have been done to understand the fish diversity of West Bengal but the monumental work by Hamilton in 1822 was probably the most important work to record the fish diversity of lower Bengal [7]. For almost 100 years after the work of Hamilton, studies from West Bengal region are quite scattered and there after the studies by Shaw and Shebbeare, Sen, Menon, Molur and Walker, Manna and Goswami, Goswami, Chatterjee et al., are some of the remarkable works done to understand the overall fresh and marine fish faunal diversity of West Bengal up to 2000 [8-15]. Thereafter during the last two decades several researchers are studying the fish faunal diversity of West Bengal and a total of 25 new species and several new records have been described from the state of West Bengal [16 - 37]. Some other works by Sanyal et al., Mishra et al., Danda et al., Mogalekar et al., Kar et al., and Yennawar et al. gave a comprehensive regional data on the fish diversity of West Bengal [1, 38, 39, 40, 41]. Mostly these works are scattered, and a thorough comprehensive data is missing which is essential for future research in this field and therefor an attempt has been made in this communication to prepare and present a detailed checklist of all the reported fishes from the state of West Bengal.

2. MATERIALS AND METHODS

The checklist was prepared using information gathered from various published and reported sources, such as research articles, brief reports on new discoveries, previous review papers, books, species checklists, monographs, and Ph.D. theses available from 'Shodhganga : a reservoir of Indian theses @ INFLIBNET' (<http://hdl.handle.net/10603/364063>).

The accuracy of the scientific names was initially verified through WoRMS (World Register of Marine Species) and the e-Catalogue of fishes of the California Academy of Sciences. Finally, the checklist was updated to include globally recognized fish species. Changes in taxonomic classification were made because of revisionary

studies conducted on families, genera, and species groups. This article collected and compiled data from both older and recent literature to create a comprehensive checklist for the region. The list encompasses all families that have representatives in freshwater, marine, and estuarine environments. Table 1 presents the count of fish species documented in West

Bengal, along with additional information such as the respective habitats, localities, common names and IUCN status. IUCN status of each reported species has been verified from International Union for Conservation of Nature and Natural Resources (IUCN) Red List Categories and criteria (<https://www.iucnredlist.org/>).

Table 1. Checklist of fishes from the state of West Bengal, India

Taxonomic Classification
Genus species (Authors) - Common Name - Habitat - IUCN Status - Collection Localities
Class: Elasmobranchii
Order: Orectolobiformes (Carpet sharks)
Family: Rhincodontidae (Whale shark)
<i>Rhincodon typus</i> Smith, 1828 - Whale shark - EN - DI [40]
Family: Hemiscylliidae (Bamboo Sharks)
<i>Chiloscyllium indicum</i> (Gmelin 1789) - Slender bambooshark - B,M - VU - SU, DI [39, 41]
<i>Chiloscyllium griseum</i> Müller & Henle 1838 - Grey bambooshark - M - VU - SU, DI [38, 41]
<i>Centroscyllium ornatum</i> (Alcock, 1889) - Ornate dogfish - M - LC - WB [1]
<i>Chiloscyllium plagiosum</i> (Anonymous [Bennett], 1830) - Whitespotted bambooshark - M - NT - WB [1]
<i>Chiloscyllium punctatum</i> Müller & Henle, 1838 - Brownbanded bambooshark - M - NT - WB [1]
Family: Stegostomatidae (Zebra sharks)
<i>Stegostoma fasciatum</i> (Hermann 1783) - Zebra shark - M,F,B - EN - SU, DI [38, 41]
Order: Carcharhiniformes (Ground sharks)
Family: Proscylliidae (Finback catsharks)
<i>Eridacnis radcliffei</i> Smith, 1913 - Pygmy ribbontail catshark - M - LC - SU, DI [38, 41]
Family: Hemigaleidae (Weasel sharks)
<i>Hemipristis elongata</i> (Klunzinger, 1871) - Snaggletooth shark - M - VU - WB [1]
Family: Carcharhinidae (requiem sharks)
<i>Carcharhinus dussumieri</i> (Valenciennes 1839) - Whitecheek shark - M - EN- SU, DI [39, 41]
<i>Carcharhinus hemiodon</i> (Valenciennes 1839) - Pondicherry shark - M - CR - SU [38]
<i>Carcharhinus leucas</i> (Valenciennes 1839) - Bull shark - M,F,B - VU - SU [38]
<i>Carcharhinus limbatus</i> (Valenciennes 1839) - Blacktip shark - B, M - VU - SU, DI [41]
<i>Carcharhinus melanopterus</i> (Quoy & Gaimard 1824) - Blacktip reef shark - M,F,B - VU - SU [38]
<i>Carcharhinus sorrah</i> (Valenciennes 1839) - Spot-tail shark - B, M - NT - SU [38]
<i>Galeocerdo cuvier</i> (Péron & Lesueur 1822) - Tiger shark - M,F,B - NT - SU, DI [38, 41]
<i>Glyphis gangeticus</i> (Müller & Henle 1839) - Ganges shark - M,F,B - CR - SU, DI [38, 41]
<i>Lamiopsis temminckii</i> (Müller & Henle 1839) - Broadfin shark - B, M - EN - SU [38]
<i>Rhizoprionodon acutus</i> (Rüppell 1837) - Milk shark - M,F,B - LC - SU, DI [38, 41]
<i>Scoliodon laticaudus</i> Müller & Henle 1838 - Spadenose shark - B, M - NT - Haliday, Kalas, Jamboo, Kakdwip, DI [41,42]
Family: Sphyrnidae (Hammerhead, bonnethead, or scoophead sharks)
<i>Eusphyra blochii</i> (Cuvier 1816) - Winghead shark - B, M - EN - SU, DI [38, 41]
<i>Sphyrna lewini</i> (Griffith & Smith, 1834) - Scalloped hammerhead - B, M - CR - DI [41]
Order: Echinorhiniformes
Family: Echinorhinidae (Bramble sharks)
<i>Echinorhinus brucus</i> (Bonnaterre, 1788) - Bramble shark - M - NE - SH [43]
Order: Torpediniformes (Electric rays)
Family: Narkidae (Sleeper rays)
<i>Narke dipterygia</i> (Bloch & Schneider 1801) - Numbray - M - DD- SU, DI [39, 41]
Family: Narcinidae (Numbfishes)
<i>Narcine brunnea</i> Annandale 1909 - Brown numbfish - M - NE - SU, DI [39, 41]

<i>Narcine maculata</i> (Shaw, 1804) - Darkfinned numbfish - M - VU - WB [1]
<i>Narcine timlei</i> (Bloch & Schneider 1801) - Spotted numbfish - M - DD - SU [39]
<i>Narke dipterygia</i> (Bloch & Schneider, 1801) - Numbray - M - VU - WB [1]
Order: Rhinopristiformes
Family: Rhinobatidae (guitarfishes)
<i>Rhinobatos annandalei</i> Norman 1926 - Annandale's guitarfish - B,M - DD - SU, DI [38, 41]
<i>Rhinobatos lionotus</i> Norman 1926 - Smoothback guitarfish - M - DD - SU, DI [38, 41]
Family: Rhinidae (bowmouth guitarfishes / wedgefishes)
<i>Rhina ancylostomus</i> Bloch & Schneider 1801 - Bowmouth guitarfish - M - VU - SU, DI [38, 41]
<i>Rhynchobatus djiddensis</i> (Forsskål, 1775) - Giant guitarfish - M - CR - DI [41]
<i>Rhynchobatus laevis</i> (Bloch & Schneider 1801) - Smoothnose wedgefish - M - VU - SU [38]
Family: Glaucostegidae (giant guitarfishes)
<i>Glaucostegus granulatus</i> (Cuvier 1829) - Granulated guitarfish - M - VU - Jamboo Dwip, DI [41, 42]
<i>Glaucostegus obtusus</i> (Müller & Henle 1841) - Widenose guitarfish - M - VU - SU, DI [38, 41]
<i>Glaucostegus typus</i> (Anonymous [Bennett] 1830) - Giant shovelnose ray - F,B,M - CR - SU, DI [38, 41]
Family: Pristidae (sawfishes)
<i>Anoxypristis cuspidata</i> (Latham 1794) - Pointed sawfish - B,M - EN - SU, DI [38, 41]
<i>Pristis clavata</i> Garman 1906 - Dwarf sawfish - B,M - EN - SU [38]
<i>Pristis pectinata</i> Latham, 1794 - Smalltooth sawfish - F,B,M - CR - WB [1]
<i>Pristis pristis</i> (Linnaeus 1758) - Common sawfish - F,B,M - CR - SU, DI [38, 41]
Order: Myliobatiformes (Stingrays)
Family: Dasyatidae (Stingrays)
<i>Brevitrygon imbricata</i> (Bloch & Schneider 1801) - Bengal whipray - B, M - DD - SU, DI [38, 41]
<i>Brevitrygon walga</i> (Müller & Henle 1841) - Scaly whipray - M - NT - SU [38]
<i>Himantura fava</i> (Annandale 1909) - honeycomb whipray - M - NE - SU [38]
<i>Himantura marginata</i> (Blyth 1860) - Blackedge whipray - B, M - DD - Fresarganj [42]
<i>Himantura uarnak</i> (Gmelin 1789) - Honeycomb stingray - M,F,B - VU - SU, DI [38, 41]
<i>Maculabatis gerrardi</i> (Gray 1851) - Sharpnose stingray - M - VU - SU, DI [38, 41]
<i>Megatrygon microps</i> (Annandale 1908) - Smalleye stingray - M - DD - SU [39]
<i>Pastinachus sephen</i> (Fabricius 1775) - Cowtail stingray - M,F,B - NT - SU [38]
<i>Pateobatis bleekeri</i> (Blyth 1860) - Bleeker's whipray - B, M - NE - SU, DI [39, 41]
<i>Telatrygon zugei</i> (Bürger 1841) - Pale edged stingray - B, M - NT - Chormayadwip, DI [42, 41]
<i>Urogymnus polylepis</i> (Bleeker, 1852) - Giant freshwater whipray - F, B - EN - Hooghly River [44]
Family: Gymnuridae
<i>Gymnura japonica</i> (Temminck & Schlegel 1850) - Japanese butterflyray - M - VU - DI [41]
<i>Gymnura poecilura</i> (Shaw 1804) - Long-tailed butterfly ray - M - NT - Sandeshkhali, DI [42, 41]
<i>Gymnura tentaculata</i> (Valenciennes 1841) - Tentacled butterfly ray - M - DD - SU, DI [39, 41]
Family: Aetobatidae (pelagic eagle rays)
<i>Aetobatus flagellum</i> (Bloch & Schneider, 1801) - Longheaded eagle ray - BM - EN - DI, SH, Sagar, Fresarganj, Namkhana, Kakdwip, Diamond Harbour [40]
<i>Aetobatus narinari</i> (Euphrasen, 1790) - Whitespotted eagle ray - M - EN - DI [41]
<i>Aetobatus ocellatus</i> (Kuhl 1823) - Ocellated eagle ray - M - VU - SU [38]
<i>Aetomylaeus nichofii</i> (Bloch & Schneider, 1801) - Banded eagle ray - BM - VU - SH [40]
Family: Myliobatidae (eagle rays)
<i>Aetomylaeus nichofii</i> (Bloch & Schneider 1801) - Banded eagle ray - B,M - VU - DI [41]
Family: Rhinopteridae (Cownose rays)
<i>Rhinoptera javanica</i> Müller & Henle, 1841 - Flapnose ray - M - EN - DI [45]
Family: Mobulidae (Devilrays)
<i>Mobula kuhlii</i> (Müller & Henle, 1841) - Shortfin devil ray - M - EN - DI [45]
Class: Actinopterygii
Order: Elopiformes
Family: Elopidae (tenpounders and ladyfishes)
<i>Elops machnata</i> (Fabricius 1775) - Tenpounder - F,B,M - LC - SU [38]
Family: Megalopidae (tarpons)

<i>Megalops cyprinoides</i> (Broussonet 1782) - Indo-Pacific tarpon - F,B,M - DD - SU, DI [38, 41]
Order: Anguilliformes (Eels and morays)
Family: Muraenidae (Moray eels)
<i>Echidna nebulosa</i> (Ahl 1789) - Starry moray - M - LC - SU, DI [39, 41]
<i>Gymnomuraena zebra</i> (Shaw 1797) - Zebra moray - M - LC - SU, DI [39, 41]
<i>Gymnothorax meleagris</i> (Shaw 1795) - Turkey moray - M - LC - SU, DI [39, 41]
<i>Gymnothorax pictus</i> (Ahl 1789) - Paintspotted moray - M - LC - Narayanganj, DI [46, 41]
<i>Gymnothorax punctatus</i> Bloch & Schneider, 1801 - Red Sea whitespotted moray - M - LC - DI, SH, Petuaghat, Sagar, Namkhana, Kakdwip, Diamon Harbour [40]
<i>Gymnothorax reticularis</i> Bloch 1795 - M - NE - DI [47]
<i>Gymnothorax tile</i> (Hamilton 1822) - Indian mud moray - F,B,M - LC - Sonakhali, DI [42, 41]
<i>Gymnothorax indicus</i> Mohapatra, Ray, Smith & Mishra 2016 - M - NE - northern Bay of Bengal [48]
<i>Gymnothorax javanicus</i> (Bleeker, 1859) - Giant moray - M - LC - DI [48]
<i>Gymnothorax favagineus</i> Bloch & Schneider, 1801 - Laced moray - M - LC - DI [48]
<i>Gymnothorax mishrai</i> Ray, Mohapatra & Smith, 2015 - M - NE - SH [34]
<i>Gymnothorax prolatus</i> Sasaki & Amaoka 1991 - M - DD - SH [49]
<i>Gymnothorax pseudotile</i> Mohapatra, Smith, Ray, Mishra & Mohanty, 2017 - Bengal low-fin moray - M - LC - DI, SU [27, 50]
<i>Scuticaria tigrina</i> (Lesson 1828) - Tiger reef-eel - M - LC - Narayanganj, Kakdwip [46]
<i>Strophidon dorsalis</i> (Seale, 1917) - M - LC - SH [51]
<i>Strophidon sathete</i> (Hamilton 1822) - Slender giant moray - F,B,M - NE - SU, DI [38, 41]
<i>Uropterygius concolor</i> Rüppell, 1838 - Unicolor snake moray - B, M - LC - SH, Petuaghat [40]
Family: Ophichthidae - Snake eels
<i>Cirrhimuraena indica</i> Mohapatra, Mohanty, Ray, Mishra & Seth, 2021 - Jhiri eel - B,M - NE - Kakdwip, Petuaghat [6, 29]
<i>Lamnostoma orientale</i> (McClelland 1844) - Oriental worm eel - F,B,M - LC - SU, DI [41]
<i>Ophichthus apicalis</i> (Anonymous [Bennett] 1830) - Bluntnose snake-eel - B,M - NE - SU [38]
<i>Ophichthus altipennis</i> (Kaup, 1856) - Highfin snake eel - M - LC - DI, SH [40]
<i>Ophichthus kailashchandrai</i> Mohapatra, Ray, Mohanty & Mishra 2020 - M - NE - SH [28]
<i>Ophichthus lithinus</i> (Jordan & Richardson, 1908) - Evermann's snake eel - M - NE - DI [52]
<i>Muraenichthys gymnopterus</i> (Bleeker, 1853) - M - NE - SH [53]
<i>Neenchelys buitendijki</i> Weber & de Beaufort 1916 - Fintail serpent eel - M - NE - SU [39]
<i>Neenchelys cheni</i> (Chen & Weng, 1967) - Chen's worm eel - M - NE - SH [54]
<i>Ophichthus chilensis</i> Chaudhuri 1916 - M - NE - DI [55]
<i>Ophichthus hijala</i> (Hamilton 1822) - F,B,M - NE - SU [38]
<i>Ophichthus machidai</i> McCosker, Ide & Endo 2012 - M - NE - SH [56]
<i>Pisodonophis boro</i> (Hamilton 1822) - Rice-paddy eel - F,B,M - LC - Basanti, Sagar, DI [57, 41]
<i>Pisodonophis cancrivorus</i> (Richardson, 1848) - Longfin snake-eel - M - NE - DI [41]
<i>Pisodonophis sangjuensis</i> Ji & Kim, 2011 - M - NE - SH [58]
<i>Skythrenchelys zabra</i> Castle & McCosker 1999 - Angry worm eel - M - NE - SH [59]
Family: Muraenesocidae (Pike congers)
<i>Congresox talabon</i> (Cuvier 1829) - Yellow pike conger - B, M - NE - Jamboo Island, DI [42, 41]
<i>Congresox talabonoides</i> (Bleeker 1852) - Indian pike conger - B,M - NE - SU, DI [38, 41]
<i>Muraenesox bagio</i> (Hamilton 1822) - Common pike conger - B,M - NE - Sandeshkhali, DI [42, 41]
<i>Muraenesox cinereus</i> (Forsskal 1775) - Daggertooth pike conger - F,B,M - NE - Basanti, Sagar, DI [57, 41]
Family: Congridae (Conger and garden eels)
<i>Ariosoma majus</i> (Asano, 1958) - M - LC - Desh Pran fishing harbour of east Midnapore [60]
<i>Diploconger polystigmatus</i> Kotthaus, 1968 - Headband conger - M - LC - DI, Kakdwip [61, 6]
<i>Parabathymyrus macrophthalmus</i> Kamohara, 1938 - M - LC - DI mohona [62]
<i>Rhynchoconger smithi</i> Mohapatra, Ho, Acharya, Ray & Mishra 2022 - M - LC - Petuaghat [30]
<i>Uroconger lepturus</i> (Richardson 1845) - Slender conger - M - LC - SU [38]
Family: Moringuidae (Worm or spaghetti eels)
<i>Moringua guthriana</i> (McClelland 1844) - Bengal spaghetti eel - F,B,M - NE - SU [38]
<i>Moringua raitaborua</i> (Hamilton 1822) - Purple spaghetti eel - F,B,M - NE - SU, DI [38, 41]

Family: Anguillidae (Freshwater eels)

Anguilla bengalensis (Gray 1831) - Indian mottled eel - F,B,M - NT - Basanti, Sagar, DI [57, 41]

Anguilla bicolor McClelland 1844 - Indonesian shortfin eel - F,B,M - NT - SU, DI [38, 41]

Anguilla nebulosa McClelland 1844 - Mottled eel - F,B,M - NE - SU [38]

Order: Osteoglossiformes (Bony tongues)

Family: Notopteridae (Featherbacks or knifefishes)

Chitala chitala (Hamilton 1822) - Clown knifefish - F - NT - Basanti, Sagar [57]

Notopterus notopterus (Pallas 1769) - Bronze featherback - F,B - LC - SU [38]

Order: Clupeiformes (Herrings)

Family: Engraulidae (Anchovies)

Coilia dussumieri Valenciennes 1848 - Goldspotted grenadier anchovy - F,B,M - LC - Muriganga, Sudhanyakhali, Netidhopani, Haldibari, Gona Island, Chul kati, DI [42, 41]

Coilia neglecta Whitehead 1968 - Neglected grenadier anchovy - B,M - LC - SU, DI [38, 41]

Coilia ramcarati (Hamilton 1822) - Ramcarat grenadier anchovy - B,M - DD - Jamboo, Basanti, Sonakhali, Thakuran-Matla, Kalas, Haliday island, DI [42, 41]

Coilia reynaldi Valenciennes 1848 - Reynald's grenadier anchovy - F,B,M - LC - Fresarganj, Jamboo, Haldibari, DI [42, 41]

Encrasicholina heteroloba (Rüppell 1837) - Shorthead anchovy - M - LC - SU, DI [39, 41]

Setipinna brevifilis (Valenciennes 1848) - Short-hairfin anchovy - F - DD - SU [38]

Setipinna phasa (Hamilton 1822) - Gangetic hairfin anchovy - F,B - LC - Kakdwip, Haldibari, Haliday, Haldibari, Thakuran - Matla, DI [42, 41]

Setipinna taty (Valenciennes 1848) - Scaly hairfin anchovy - B,M - LC - Haldibari, Sandesh Khali, Kalas, DI [42, 41]

Setipinna tenuifilis (Valenciennes 1848) - Common hairfin anchovy - B,M - DD - Muriganga, Canning, Haliday Island, DI [42, 41]

Stolephorus baganensis Delsman 1931 - Bagan anchovy - B,M - LC - Kakdwip [42]

Stolephorus commersonnii Lacepède 1803 - Commerson's anchovy - B,M - LC - SU, DI [38, 41]

Stolephorus indicus (van Hasselt 1823) - Indian anchovy - M - LC - SU, DI [38, 41]

Thryssa dussumieri (Valenciennes 1848) - Dussumier's thryssa - B,M - LC - Toshkhali, DI [42, 41]

Thryssa gautamiensis Babu Rao 1971 - Gautama thryssa - B, M - DD - SU [38]

Thryssa hamiltonii (Gray 1835) - Hamilton's thryssa - B,M - LC - Jhorkhali, Chormaya Dwip, DI [42, 41]

Thryssa kammalensis (Bleeker, 1849) - Kammal thryssa - B, M - DD - DI [63]

Thryssa malabarica (Bloch 1795) - Malabar thryssa - B,M - DD - SU, DI [38, 41]

Thryssa mystax (Bloch & Schneider, 1801) - Moustached thryssa - B,M - LC - DI, SH, Sagar, Fresarganj [40]

Thryssa purava (Hamilton 1822) - Oblique-jaw thryssa - B,M - DD - Rakkhaskhali-Kakdwip, Mitakhali Canning, Nithidopani, DI [42, 41]

Thryssa stenostoma Wongratana 1983 - Slender thryssa - B,M - DD - SU [38]

Family: Clupeidae (Herrings, shads, sardines, menhadens)

Anodontostoma chacunda (Hamilton 1822) - Chacunda gizzard shad - F,B,M - LC - Fresarganj, Jharkhali, Chorkhali, Pirkhali, Kalas, DI [42, 41]

Anodontostoma thailandiae Wongratana 1983 - Thai gizzard shad - B,M - LC - SU [38]

Corica soborna Hamilton 1822 - Ganges river sprat - F,B - LC - Panchmukhani, Rangabelia, Dhanchi [42]

Escualosa thoracata (Valenciennes 1847) - White sardine - B,M - LC - Kachuberia, Jamboo, Haldiari, DI [42, 41]

Gonialosa manmina (Hamilton 1822) - Ganges river gizzard shad - F,B - LC - SU [38]

Gudusia chapra (Hamilton 1822) - Indian river shad - F,B - LC - SU [38]

Herklotsichthys quadrimaculatus (Rüppell 1837) - Bluestripe herring - B,M - LC - SU, DI [39, 41]

Hilsa kelee (Cuvier 1829) - Keelee shad - F,B,M - LC - SU, DI [38, 41]

Nematalosa galathea Nelson & Rothman 1973 - Galathea gizzard shad - F,B,M - LC - SU [38]

Nematalosa nasus (Bloch 1795) - Bloch's gizzard shad - F,B,M - LC - SU, DI [38, 41]

Sardinella brachysoma Bleeker 1852 - Deepbody sardinella - M - LC - SU, DI [39, 41]

Sardinella fimbriata (Valenciennes 1847) - Fringescale sardinella - B,M - LC - SU, DI [39, 41]

<i>Sardinella gibbosa</i> (Bleeker 1849) - Goldstripe sardinella - M - LC - SU, DI [39, 41]
<i>Sardinella longiceps</i> Valenciennes, 1847 - Indian oil sardine - M - LC - DI [41]
<i>Tenualosa ilisha</i> (Hamilton 1822) - Hilsa shad - F,B,M - LC - Jamboo, Fresarganj, Kakdwip, DI [42, 41]
<i>Tenualosa toli</i> (Valenciennes 1847) - Toli shad - F,B,M - VU - Rakkhaskhali, Kakdwip, Jamboo, DI [42, 41]
Family: Chirocentridae (Wolf herring)
<i>Chirocentrus dorab</i> (Fabricius 1775) - Dorab wolf-herring - B,M - LC - Gosaba, Kishorimohanpur [42]
<i>Chirocentrus nudus</i> Swainson 1839 - Whitefin wolf-herring - M - LC - SU, DI [39, 41]
Family: Pristigasteridae (Pristigasterids)
<i>Ilisha elongata</i> (Anonymous [Bennett] 1830) - Elongate ilisha - B,M - LC - Basanti, Kisorimohanpur [42]
<i>Ilisha filigera</i> (Valenciennes 1847) - Coromandel ilisha - F,B,M - DD - SU [39]
<i>Ilisha kampeni</i> (Weber & de Beaufort 1913) - Kampen's ilisha - F,B,M - LC - SU, DI [38, 41]
<i>Ilisha megaloptera</i> (Swainson 1838) - Bigeye ilisha - F,B,M - LC - SU, DI [38, 41]
<i>Ilisha melastoma</i> (Bloch & Schneider 1801) - Indian ilisha - B, M - LC - Purandar, DI [42, 41]
<i>Ilisha sirishae</i> Seshagiri Rao 1975 - Lobejaw ilisha - B,M - DD - SU [39]
<i>Opisthopterus tardoore</i> (Cuvier 1829) - Tardoore - B,M - LC - Rakkhaskhali-Kakdwip, Thakuran Matla, DI [42, 41]
<i>Opisthopterus valenciennesi</i> Bleeker 1872 - Slender tardoore - B,M - DD - SU [38]
<i>Pellona ditchela</i> Valenciennes 1847 - Indian pellona - F,B,M - LC - Rakkhaskhali-Kakdwip, Fresarganj, Haldibari, Haliday, Gosaba, DI [42, 41]
<i>Raconda russeliana</i> Gray 1831 - Raconda - B,M - LC - Rakkhaskhali-Kakdwip, Fresarganj, Haldibari, Jamboo, DI [42, 41]
Family: Ehiravidae
<i>Corica soborna</i> Hamilton, 1822 - Ganges river sprat - F,B,M - LC - Hughly river [1]
Family: Dorosomatidae (Sardines)
<i>Amblygaster leiogaster</i> (Valenciennes, 1847) - Smoothbelly sardinella - M - LC - DI, Shankarpur [40]
<i>Gudusia variegata</i> (Day, 1870) - Burmese river shad - F - LC - Nadia [64]
Order: Gonorynchiformes (Milkfish)
Family: Chanidae (Milkfish)
<i>Chanos chanos</i> (Fabricius 1775) - Milkfish - F,B,M - LC - Kakdwip, Basanti, Jharkhali, Bakkhali [42]
Order: Cypriniformes
Family: Botiidae (Pointface loaches)
<i>Botia almorhae</i> Gray, 1831 - Almorha loach - F - LC - Mahananda river, Darjeeling [1]
<i>Botia birdi</i> Chaudhuri, 1909 - Birdi loach - F - NE - Kansai, Subarnarekha [65]
<i>Botia dario</i> (Hamilton, 1822) - Bengal loach - F - LC - Hill strams of West Bengal [1]
<i>Botia histrionica</i> Blyth, 1860 - Loach - F - LC - Cooch Bihar [66]
<i>Botia lohachata</i> Chaudhuri, 1912 - Reticulate loach - F - NE - Paschim Midnapore [67]
<i>Botia rostrata</i> Günther, 1868 - Gangetic loach - F - VU - Darjeeling [1]
Family: Cobitidae (Longfin loaches)
<i>Canthophrys gongota</i> (Hamilton, 1822) - Gongota loach - F - LC - Tista, Jayanti, Mahananda river [1]
<i>Lepidocephalichthys annandalei</i> Chaudhuri, 1912 - Annandale loach - F - LC - Hill strams of WB [1]
<i>Lepidocephalichthys arunachalensis</i> (Datta & Barman, 1984) - F - EN - Cooch Bihar [68]
<i>Lepidocephalichthys berdmorei</i> (Blyth, 1860) - Burmese loach - F - LC - Kaljani in Cooch Behar [68]
<i>Lepidocephalichthys goalparensis</i> Pillai & Yazdani, 1976 - F - LC - WB [4]
<i>Lepidocephalichthys guntea</i> (Hamilton 1822) - Guntea loach - F - LC - Basanti, Sagar [57]
<i>Lepidocephalichthys irrorata</i> Hora, 1921 - Loktak loach - F - LC - WB [4]
<i>Lepidocephalichthys micropogon</i> (Blyth 1860) - F - LC - WB [4]
<i>Lepidocephalichthys thermalis</i> (Valenciennes, 1846) - Common spiny loach - F - LC - Paschim Midnapore [69]
<i>Pangio pangia</i> (Hamilton, 1822) - F - LC - Darjeeling [1]

Family: Balitoridae (River loaches)

Balitora brucei Gray, 1830 - Gray's stone loach - F - NT - Tista River [1]

Family: Nemacheilidae (Brook loaches)

Aborichthys elongatus Hora, 1921 - F - LC - Tista River [1]

Aborichthys kempii Chaudhuri, 1913 - F - NT - WB [4, 70]

Neonoemacheilus assamensis (Menon, 1987) - F - NT - WB [4, 70]

Nemacheilus corica (Hamilton, 1822) - F - LC - Darjeeling [1]

Paracanthocobitis botia (Hamilton 1822) - Mottled loach - F - LC - Darjeeling [1]

Schistura beavani (Günther, 1868) - Creek loach - F - LC - Darjeeling [1]

Schistura devdevi (Hora, 1935) - F - NT - Streams below Darjeeling [1]

Schistura fasciata Lokeshwar & Vishwanath, 2011 - F - NE - North Bengal [71]

Schistura multifasciata (Day, 1878) - F - LC - Darjeeling [1]

Schistura rupecula McClelland, 1838 - F - LC - Darjeeling [1]

Schistura savona (Hamilton, 1822) - F - LC - Tista River [1]

Schistura scaturigina McClelland, 1839 - F - LC - Hill strams of WB [1]

Schistura tirapensis Kottelat, 1990 - F - LC - North Bengal [71]

Family: Psilorhynchidae (Mountain carps)

Psilorhynchus arunachalensis (Nebeshwar, Bagra & Das, 2007) - F - DD - WB [4]

Psilorhynchus balitora (Hamilton, 1822) - Balitora minnow - F - LC - Darjeeling, Jalpaiguri [1]

Psilorhynchus nudithoracicus Tilak & Husain, 1980 - Rainbow minnow - F - LC - WB, Panga River at Krishibagan [72]

Psilorhynchus homaloptera Hora & Mukerji, 1935 - Torrent stone carp - F - LC - WB [4]

Psilorhynchus sucatio (Hamilton, 1822) - River stone carp - F - LC - Darjeeling [1]

Family: Cyprinidae (carps)

Bangana dero (Hamilton, 1822) - Kalabans - F - LC - Darjeeling [1]

Barbonymus gonionotus (Bleeker, 1849) - Silver barb - F - LC - Ganga River [1]

Chagunius chagunio (Hamilton, 1822) - Chaguni - F - LC - Darjeeling [1]

Cirrhinus mrigala (Hamilton, 1822) - Mrigal - F - LC - WB [1]

Cirrhinus reba (Hamilton, 1822) - Reba carp - F - LC - Hughly river [1]

Cyprinion semplotum (McClelland, 1839) - Assamese kingfish - F - VU - North Bengal [1]

Garra annandalei Hora, 1921 - F - LC - Darjeeling [1]

Garra arupi Nebeshwar, Vishwanath & Das, 2009 - F - NE - WB [4]

Garra gotyla (Gray, 1830) - Sucker head - F - LC - Tista, Mahananda, Darakeswar river [1]

Garra jaldhakaensis Kosygin, Shangningam, Singh & Das 2021 - F - NE - Kalingpong [24]

Garra kempii Hora, 1921 - F - LC - WB [4]

Garra lamta (Hamilton, 1822) - F - LC - Darjeeling [1]

Garra lissorhynchus (McClelland, 1842) - F - LC - Tista river [31]

Garra mullya (Sykes, 1839) - Sucker fish - F - LC - Mahananda and Tista River [1]

Garra nasuta (McClelland, 1838) - F - LC - WB [4, 70]

Labeo angra (Hamilton, 1822) - F - LC - North Bengal [1]

Labeo bata (Hamilton, 1822) - Bata - F - LC - Darjeeling, Siliguri [1]

Labeo boga (Hamilton, 1822) - F - LC - WB [1]

Labeo calbasu (Hamilton, 1822) - Orangefin labeo - F, B - LC - Hughly River [1]

Labeo catla (Hamilton 1822) - Catla - F - LC - WB [1]

Labeo dyocheilus (McClelland, 1839) - F - LC - North Bengal [1]

Labeo fimbriatus (Bloch, 1795) - Fringed-lipped peninsula carp - F - LC - Dooars [1]

Labeo gonius (Hamilton, 1822) - Kuria labeo - F - LC - Darjeeling [1]

Labeo nandina (Hamilton, 1822) - F - NT - Damodar & Hughly river [1]

Labeo pangusia (Hamilton, 1822) - F - NT - Streams of dooars and terai [1]

Labeo rohita (Hamilton, 1822) - Roho labeo - F - LC - WB [1]

Neolissochilus dukai (Day, 1878) - F - DD - Tista River [1]

Neolissochilus hexagonolepis (McClelland, 1839) - Copper mahseer - F - NT - Darjeeling [1]

Neolissochilus hexastichus (McClelland, 1839) - F - NT - Darjeeling [73]

Oreochthys cosuatis (Hamilton, 1822) - F - LC - North Bengal [35]

Oreochthys crenuchoides Schäfer, 2009 - F - DD - Bramhaputra [35]

<i>Osteobrama belangeri</i> (Valenciennes, 1844) - F - NT - Purba Midnapur [74]
<i>Osteobrama cotio</i> (Hamilton, 1822) - F - LC - WB [1]
<i>Pethia aurea</i> Knight, 2013 - F - NE - South 24 Parganas [23]
<i>Pethia canius</i> (Hamilton, 1822) - F - NE - Cooch Bihar [23]
<i>Pethia conchoni</i> (Hamilton 1822) - Rosy barb - F - LC - Basanti, Sagar [57]
<i>Pethia gelius</i> (Hamilton 1822) - Golden barb - F - LC - Basanti, Sagar [57]
<i>Pethia gunganio</i> (Hamilton, 1822) - Glass-barb - F - LC - Ganga River [1]
<i>Pethia phutunio</i> (Hamilton 1822) - Spottedsail barb - F - LC - Basanti, Sagar [57]
<i>Pethia shalynius</i> (Yazdani & Talukdar, 1975) - Shalyni barb - F - VU - WB [4]
<i>Pethia ticto</i> (Hamilton 1822) - Ticto barb - F - LC - Basanti, Sagar [57]
<i>Puntius chola</i> (Hamilton 1822) - Swamp barb - F - LC - SU [38]
<i>Puntius puntio</i> (Hamilton, 1822) - Puntio barb - F - NE - WB [75]
<i>Puntius sophore</i> (Hamilton 1822) - Pool barb - F,B - LC - Basanti, Sagar [57]
<i>Puntius terio</i> (Hamilton 1822) - Onespots barb - F - LC - Basanti, Sagar [57]
<i>Puntius vittatus</i> Day, 1865 - Greenstripe barb - F,B - LC - WB [4]
<i>Schizothorax progastus</i> (McClelland, 1839) - Dinnaiah snowtrout - F - LC - North Bengal (Sub Himalayan) [1]
<i>Schizothorax molesworthi</i> (Chaudhuri, 1913) - Blunt-nosed snowtrout - F - DD - North Bengal (Sub Himalayan) [1]
<i>Schizothorax richardsonii</i> (Gray, 1832) - Snowtrout - F - VU - North Bengal (Sub Himalayan) [1]
<i>Systomus clavatus</i> (McClelland, 1845) - Stedman barb - F - NT - North Bengal [1]
<i>Systomus sarana</i> (Hamilton 1822) - Olive barb - F,B - LC - Basanti, Sagar [57]
<i>Tarigilabeo latius</i> (Hamilton 1822) - Stone roller - F - LC - Tista river [1]
<i>Tor putitora</i> (Hamilton, 1822) - Putitor mahseer - F - EN - Mahananda river [1]
<i>Tor tor</i> (Hamilton, 1822) - Tor barb - F - DD - Mahananda and Tista river [1]
Family: Danionidae (danionids)
<i>Amblypharyngodon microlepis</i> (Bleeker, 1853) - Indian carplet - F - LC - Rupnarayan, Kangsabati [76]
<i>Amblypharyngodon mola</i> (Hamilton 1822) - Mola carplet - F - LC - Basanti, Sagar [57]
<i>Barilius barila</i> (Hamilton, 1822) - F - LC - Mahananda and Tista river [1]
<i>Barilius vagra</i> (Hamilton, 1822) - F - LC - Hill strams of West Bengal [1]
<i>Bengala elanga</i> (Hamilton 1822) - Bengala barb - F - LC - Hughly river [1]
<i>Cabdio jaya</i> (Hamilton 1822) - Jaya - F - LC - WB [1]
<i>Cabdio morar</i> (Hamilton, 1822) - Morari - F - LC - WB [1]
<i>Chela cachius</i> (Hamilton, 1822) - F,B - LC - Damodar and Rupnarayan River [1]
<i>Danio rerio</i> (Hamilton 1822) - Zebra danio - F - LC - Basanti, Sagar [57]
<i>Danio dangila</i> (Hamilton, 1822) - F - LC - Damodar River [1]
<i>Danionella priapus</i> Britz, 2009 - F - DD - Jalpaiguri, Bramha putra river [17]
<i>Devario aequipinnatus</i> (McClelland 1839) - Giant danio - F - LC - WB [1]
<i>Devario devario</i> (Hamilton 1822) - Sind danio - F - LC - Damodar, Jayanti, Ajay River [1]
<i>Esomus danrica</i> (Hamilton 1822) - Flying barb - F - LC - Basanti, Sagar [57]
<i>Laubuka laubuca</i> (Hamilton 1822) - Indian glass barb - F - LC - Basanti, Sagar [57]
<i>Opsarius barna</i> (Hamilton, 1822) - F - LC - Ganga River [1]
<i>Opsarius bendelisis</i> (Hamilton 1807) - F - NE - Jalpaiguri [77]
<i>Opsarius howesi</i> (Barman 1986) - F - NE - Jalpaiguri [77]
<i>Opsarius shacra</i> (Hamilton 1822) - F - LC - Ganga River [1]
<i>Opsarius tileo</i> (Hamilton, 1822) - F - LC - Hill strams of WB [1]
<i>Raiamas bola</i> (Hamilton, 1822) - Trout barb - F - LC - North Bengal [1]
<i>Rasbora daniconius</i> (Hamilton 1822) - Slender rasbora - F - LC - Basanti, Sagar [57]
<i>Rasbora rasbora</i> (Hamilton, 1822) - Gangetic scissortail rasbora - F,B - LC - WB [1]
<i>Salmostoma horai</i> (Silas, 1951) - Hora razorbelly minnow - F - VU - WB [4]
<i>Salmostoma phulo</i> (Hamilton, 1822) - Finescale razorbelly minnow - F - LC - WB [1]
<i>Salmostoma sardinella</i> (Valenciennes, 1844) - Sardinella razorbelly minnow - F - LC - Hughly river [1]
<i>Securicula gora</i> (Hamilton, 1822) - F - LC - Damodar River [1]

<i>Salmostoma bacaila</i> (Hamilton 1822) - Large razorbelly minnow - F,B - LC - Basanti, Sagar [57]
Order: Siluriformes
Family: Chacidae (Squarehead or angler catfish)
<i>Chaca chaca</i> (Hamilton, 1822) - Squarehead catfish - F - LC - Darjeeling [1]
Family: Plotosidae (eeltail catfishes)
<i>Plotosus canius</i> Hamilton 1822 - Gray eel-catfish - F,B,M - NE - Basanti, Sagar, DI [57, 41]
<i>Plotosus lineatus</i> (Thunberg 1787) - Striped eel catfish - B,M - NE - SU,DI [38, 41]
Family: Ailiidae (Asian schilbeids)
<i>Ailia coila</i> (Hamilton 1822) - Gangetic ailia - F - NT - Basanti, Sagar [57]
<i>Ailiichthys punctata</i> Day, 1872 - Jamuna ailia - F - DD - Mahananda, Purbabhaga, Tanguon river [78]
<i>Clupisoma garua</i> (Hamilton, 1822) - Garua bachcha - F,B - LC - DI, SH, Sagar, Fresarganj, Kakdwip, Namkhana, Petuaghat [40]
<i>Clupisoma montanum</i> Hora, 1937 - F - LC - Darjeeling [1]
<i>Eutropiichthys murius</i> (Hamilton, 1822) - F - LC - Big fresh water rivers of WB [1]
<i>Eutropiichthys vacha</i> (Hamilton, 1822) - Batchwa vacha - F,B - LC - DI, SH, Sagar, Fresarganj [40]
<i>Silonia silondia</i> (Hamilton 1822) - Silond catfish - F - LC - SU [39]
Family: Horabagridae (imperial catfishes)
<i>Pachypterus atherinoides</i> (Bloch 1794) - Indian potasi - F - LC - SU [38, 1]
Family: Bagridae (bagrid catfishes)
<i>Batasio batasio</i> (Hamilton, 1822) - F - LC - Tista River [1]
<i>Batasio fasciolatus</i> Ng, 2006 - F - LC - Malbajar [79]
<i>Batasio merianiensis</i> (Chaudhuri, 1913) - F - DD - WB [4, 70]
<i>Batasio spilurus</i> Ng, 2006 - F - DD - WB [79]
<i>Batasio tengana</i> (Hamilton 1822) - Tengara catfish - F - LC - Basanti, Sagar [57]
<i>Chandramara chandramara</i> (Hamilton, 1822) - F - LC - North Bengal [1]
<i>Hemibagrus menoda</i> (Hamilton, 1822) - Menoda catfish - F - LC - Mahananda River [1]
<i>Mystus bleekeri</i> (Day, 1877) - Day's mystus - F - LC - WB [1]
<i>Mystus carcio</i> (Hamilton, 1822) - F - LC - WB [80]
<i>Mystus cavasius</i> (Hamilton 1822) - Gangetic mystus - F,B - LC - Basanti, Sagar [57]
<i>Mystus dibrugarensis</i> (Chaudhuri, 1913) - F - LC - WB [4, 70]
<i>Mystus gulio</i> (Hamilton 1822) - Long whiskers catfish - F,B - LC - Basanti, Sagar [57]
<i>Mystus tengara</i> (Hamilton, 1822) - Tengara catfish - F - LC - WB [1]
<i>Mystus vittatus</i> (Bloch 1794) - Striped dwarf catfish - F,B - LC - Basanti, Sagar [57]
<i>Olyra longicaudata</i> McClelland 1842 - F - LC - Darjeeling [1]
<i>Rita gogra</i> (Sykes, 1839) - F - LC - WB [4, 70]
<i>Rita rita</i> (Hamilton, 1822) - Rita - F,B - LC - Mahananda and Tista river [1]
<i>Sperata aor</i> (Hamilton 1822) - Long-whiskered catfish - F - LC - Basanti, Sagar [57]
<i>Sperata seenghala</i> (Sykes 1839) - Giant river-catfish - F,B - LC - Basanti, Sagar [57]
Family: Amblycipitidae (Torrent catfishes)
<i>Amblyceps apangi</i> Nath & Dey, 1989 - F - LC - Shipra, WB [81]
<i>Amblyceps arunachalense</i> Nath & Dey, 1989 - F - EN - WB [4]
<i>Amblyceps cerinum</i> Ng & Wright, 2010 - F - NE - WB, Bramhaputra river [33]
<i>Amblyceps mangois</i> (Hamilton, 1822) - Indian torrent catfish - F - LC - Tista River [1]
<i>Amblyceps tuberculatum</i> Linthoingambi & Vishwanath, 2008 - F - DD - WB [4, 70]
Family: Sisoridae (sisorid catfishes)
<i>Bagarius bagarius</i> (Hamilton 1822) - Goonch - F - NT - Basanti, Sagar [57]
<i>Conta conta</i> (Hamilton, 1822) - Conta catfish - F - DD - Darjeeling [1]
<i>Conta pectinata</i> Ng, 2005 - F - DD - Cooch Bihar [68]
<i>Erethistes hara</i> (Hamilton 1822) - F - LC - Darjeeling [1]
<i>Erethistes horai</i> (Misra 1976) - F - LC - Darjeeling [1]
<i>Erethistes jerdoni</i> (Day 1870) - F - LC - Darjeeling [1]
<i>Erethistes koladynensis</i> (Anganthoibi & Vishwanath 2009) - F - DD - Cooch Bihar [66]
<i>Erethistes pusillus</i> Müller & Troschel, 1849 - F - LC - Darjeeling [1]
<i>Erethistoides infuscatus</i> Ng, 2006 - F - DD - WB [4, 70]

<i>Erethistoides montana</i> Hora, 1950 - F - DD - Darjeeling [1]
<i>Gagata cenia</i> (Hamilton, 1822) - Indian gagata - F,B - LC - North Bengal [1]
<i>Gagata dolichonema</i> He, 1996 - F - LC - Cooch Bihar [68]
<i>Gagata gagata</i> (Hamilton, 1822) - Gangetic gagata - F,B - LC - North Bengal [1]
<i>Gagata rhodobarbus</i> Bhakat & Sinha 2019 - F - NE - Birbhum [16]
<i>Gagata sexualis</i> Tilak, 1970 - F - LC - WB [4, 70]
<i>Glyptothorax cavia</i> (Hamilton, 1822) - F - LC - Darjeeling [1]
<i>Glyptothorax conirostris</i> (Steindachner, 1867) - F - LC - Mahananda and Siliguri [1]
<i>Glyptothorax dikrongensis</i> Tamang & Chaudhry, 2011 - F - NE - WB [4, 70]
<i>Glyptothorax gracilis</i> (Günther, 1864) - F - DD - WB [4, 70]
<i>Glyptothorax horai</i> (Fowler, 1934) - F - LC - Darjeeling [1]
<i>Glyptothorax indicus</i> Talwar, 1991 - F - LC - Cooch Bihar [68]
<i>Glyptothorax radiolus</i> Ng & Lalramliana, 2013 - F - NE - Jayanti area [32]
<i>Glyptothorax striatus</i> (McClelland, 1842) - F - NT - Jayanti area [32]
<i>Glyptothorax telchitta</i> (Hamilton, 1822) - F - LC - Darjeeling [1]
<i>Gogangra viridescens</i> (Hamilton, 1822) - F - LC - North Bengal [1]
<i>Nangra assamensis</i> Sen & Biswas, 1994 - Koshi Nangra - F - LC - Cooch Bihar [68]
<i>Nangra nangra</i> (Hamilton, 1822) - F - LC - Ganga and Hughly river [1]
<i>Parachiloganis hodgarti</i> (Hora, 1923) - Torrent catfish - F - LC - Darjeeling [1]
<i>Pseudecheneis sulcata</i> (McClelland, 1842) - Sucker throat catfish - F - LC - Darjeeling [1]
<i>Pseudolaguvia ferula</i> Ng, 2006 - F - DD - Tista River [31]
<i>Pseudolaguvia ferruginea</i> Ng, 2009 - F - DD - North Bengal [82]
<i>Pseudolaguvia flavida</i> Ng, 2009 - F - DD - North Bengal [82]
<i>Pseudolaguvia foveolata</i> Ng 2005 - F - DD - Tista River [31]
<i>Pseudolaguvia ribeiroi</i> (Hora, 1921) - Painted catfish - F - LC - North Bengal [1]
<i>Pseudolaguvia shawi</i> (Hora, 1921) - F - LC - North Bengal [1]
<i>Sisor barakensis</i> Vishwanath & Darshan, 2005 - F - VU - Cooch Bihar [68]
<i>Sisor rabdophorus</i> Hamilton, 1822 - F - LC - Darjeeling [1]
Family: Pangasiidae (pangasid catfishes)
<i>Pangasius pangasius</i> (Hamilton 1822) - Pangas catfish - F - LC - Basanti, Sagar [57]
Family: Siluridae (sheatfishes)
<i>Ompok bimaculatus</i> (Bloch 1794) - Butter catfish - F - NT - Basanti, Sagar [57]
<i>Ompok pabda</i> (Hamilton 1822) - Pabda catfish - F - NT - Basanti, Sagar [57]
<i>Ompok pabo</i> (Hamilton, 1822) - Pabo catfish - F - NT - Hughly, Damodar, Bhagirathi [1]
<i>Pterocryptis gangetica</i> Peters, 1861 - F - DD - Darjeeling [1]
<i>Pterocryptis berdmorei</i> (Blyth, 1860) - F - NE - Cooch Bihar [68]
<i>Wallago attu</i> (Bloch & Schneider 1801) - Wallago - F - NT - Basanti, Sagar [57]
Family: Clariidae (airbreathing or labyrinth catfishes)
<i>Clarias batrachus</i> (Linnaeus, 1758) - Philippine catfish - F,B - LC - DI, Petuaghat, Sagar, Kakdwip, Fresarganj, Namkhana, Diamond Harbour [40]
<i>Clarias magur</i> (Hamilton 1822) - F - EN - Basanti, Sagar [57]
Family: Heteropneustidae (airsac catfishes)
<i>Heteropneustes fossilis</i> (Bloch 1794) - Stinging catfish - F - LC - Basanti, Sagar [57]
Family: Ariidae (sea catfishes)
<i>Arius arius</i> (Hamilton 1822) - Threadfin sea catfish - B,M - LC - Fresarganj, DI [42, 41]
<i>Arius gagora</i> (Hamilton 1822) - Gagora catfish - F,B - NT - Kalinagar, Kalas, Kedo khal, DI [42, 41]
<i>Arius maculatus</i> (Thunberg 1792) - Spotted catfish - B,M - NE - Fresarganj, DI [42, 41]
<i>Batrachcephalus mino</i> (Hamilton 1822) - Beardless sea catfish - B,M - NE - SU [38]
<i>Cephalocassis jatus</i> (Hamilton 1822) - River catfish - F,B - DD - SU [38]
<i>Hemiaris sona</i> (Hamilton 1822) - Sona sea catfish - B,M - NE - Chor Maya Dwip, Ajmal mari, DI [42, 41]
<i>Hemiaris sumatranus</i> (Anonymous [Bennett] 1830) - Goat catfish - B,M - NE - DI, SH [40]
<i>Hexanematichthys sagor</i> (Hamilton 1822) - Sagor catfish - B,M - NE - SU, DI [38, 41]
<i>Nemapteryx macronotacantha</i> (Bleeker 1846) - F,B - NE - SU [39]
<i>Nemapteryx nenga</i> (Hamilton 1822) - B,M - NE - SU [38]

<i>Netuma thalassina</i> (Rüppell 1837) - Giant catfish - B,M - NE - Chor Maya Dwip, Tosh Khali, DI [42, 41]
<i>Osteogeneiosus militaris</i> (Linnaeus 1758) - Soldier catfish - B,M - NE - Bakkhali, Kakdwip [42]
<i>Plicofollis dussumieri</i> (Valenciennes 1840) - Blacktip sea catfish - B,M - LC - SU [39]
<i>Plicofollis tenuispinis</i> (Day 1877) - B,M - NE - DI [41]
<i>Plicofollis layardi</i> (Günther 1866) - Thinspine sea catfish - B,M - NE - SU [39]
<i>Plicofollis platystomus</i> (Day 1877) - Flatmouth sea catfish - B,M - LC - SU [38]
Order: Aulopiformes (Grinners)
Family: Synodontidae (Lizardfishes)
<i>Harpadon nehereus</i> (Hamilton 1822) - Bombay-duck - B,M - NT - Kakdwip, Jamboo, Bakkhali, Haliday, DI [42, 41]
<i>Saurida argentea</i> Macleay 1881 - Greater lizardfish - M - LC - SU [39]
<i>Saurida tumbil</i> (Bloch, 1795) - Greater lizardfish - M - LC - DI [41]
<i>Saurida undosquamis</i> (Richardson, 1848) - Brushtooth lizardfish - M - LC - DI [41]
<i>Saurida wanieso</i> Shindo & Yamada, 1972 - Wanieso lizardfish - M - DD - WB [1]
<i>Synodus variegatus</i> (Lacepède, 1803) - Variegated lizardfish - M - LC - WB [1]
<i>Trachinocephalus myops</i> (Forster, 1801) - Snakefish - M - LC - DI [41]
Order: Gadiformes (Cods)
Family: Bregmacerotidae (Codlets)
<i>Bregmaceros maclellandi</i> Thompson 1840 - Unicorn cod - B,M - NE - Kakdwip, Jamboo, Bidya Matla, DI [42, 41]
Family: Macrouridae (Grenadiers or rattails)
<i>Coryphaenoides macrolophus</i> (Alcock, 1889) - M - NE - WB [1]
Order: Holocentriformes (Squirrelfishes, soldierfishes)
Family: Holocentridae (Squirrelfishes, soldierfishes)
<i>Myripristis botche</i> Cuvier, 1829 - Blacktip soldierfish - M - LC - DI [41]
<i>Myripristis murdjan</i> (Forsskal, 1775) - Pinecone soldierfish - M - LC - DI [41]
<i>Sargocentron prasinum</i> (Lacepède, 1802) - Dark-striped squirrelfish - M - LC - DI [41]
Order: Ophidiiformes (Cusk eels)
Family: Ophidiidae (Cusk-eels)
<i>Ophidion smithi</i> (Fowler, 1934) - M - LC - Petuaghat [83]
Order: Batrachoidiformes (Toadfishes)
Family: Batrachoididae (Toadfishes)
<i>Allenbatrachus grunniens</i> (Linnaeus 1758) - Grunting toadfish - B,M - NE - SU, DI [38, 41]
<i>Colletteichthys dussumieri</i> (Valenciennes, 1837) - Flat toadfish - M - NE - WB [1]
Order: Scombriformes
Family: Ariommatidae (Ariommatids)
<i>Ariomma indica</i> (Day, 1871) - Indian drifftfish - M - NE - DI [41]
Family: Stromateidae (butterfishes)
<i>Pampus candidus</i> (Cuvier 1829) - M - NE - WB [84]
<i>Pampus chinensis</i> (Euphrasen 1788) - Chinese silver pomfret - M - NE - SU, DI [38, 41]
Family: Scombridae (mackerels, tunas and bonitos)
<i>Euthynnus affinis</i> (Cantor, 1849) - Kawakawa - M - LC - DI, SH, Petuaghat, Sagar, Namkhana, Kakdwip, Diamond Harbour [40]
<i>Rastrelliger kanagurta</i> (Cuvier 1816) - Indian mackerel - M - DD - SU, DI [39, 41]
<i>Scomberomorus commerson</i> (Lacepède 1800) - Narrow-barred Spanish mackerel - M - NT - SU, DI [39, 41]
<i>Scomberomorus guttatus</i> (Bloch & Schneider 1801) - Indo-Pacific king mackerel - B,M - DD - SU, DI [38, 41]
Family: Bramidae (Pomfrets)
<i>Taractes rubescens</i> (Jordan & Evermann, 1887) - Pomfret - M - LC - DI [85]
Family: Trichiuridae (cutlassfishes)
<i>Eupleurogrammus glossodon</i> (Bleeker 1860) - Longtooth hairtail - M - NE - SU, DI [39, 41]
<i>Eupleurogrammus muticus</i> (Gray 1831) - Smallhead hairtail - B,M - NE - SU, DI [38, 41]
<i>Lepturacanthus pantului</i> (Gupta 1966) - Coromandel hairtail - B,M - DD - SU, DI [38, 41]

<i>Lepturacanthus savala</i> (Cuvier 1829) - Savalai hairtail - B,M - NE - SU, DI [38, 41]
<i>Trichiurus gangeticus</i> Gupta 1966 - Ganges hairtail - B,M - NE - SU, DI [38, 41]
<i>Trichiurus lepturus</i> Linnaeus 1758 - Largehead hairtail - B,M - LC - SU, DI [38, 41]
Order: Syngnathiformes
Family: Fistulariidae (Cornetfishes)
<i>Fistularia petimba</i> Lacepède, 1803 - Red cornetfish - B,M - LC - DI [41]
Family: Centriscidae (Snipefishes and shrimpfishes)
<i>Aeoliscus strigatus</i> (Günther, 1861) - Razorfish - M - DD - WB [1]
Family: Syngnathidae (pipefishes and seahorses)
<i>Hippichthys spicifer</i> (Rüppell 1838) - Bellybarred pipefish - B,M - LC - SU, DI [38, 41]
<i>Hippocampus hystrix</i> Kaup, 1856 - Thorny seahorse - M - VU - DI, SH, Petuaghat, [40]
<i>Ichthyocampus carce</i> (Hamilton 1822) - F,B,M - LC - SU, DI [38, 41]
<i>Microphis cuncalus</i> (Hamilton 1822) - Crocodile-tooth pipefish - F,B - LC - SU [38]
<i>Microphis deocata</i> (Hamilton, 1822) - Deocata pipefish - F - NT - Darjeeling [1]
Family: Mullidae (goatfishes)
<i>Parupeneus heptacanthus</i> (Lacepède, 1802) - Cinnabar goatfish - B,M - LC - DI [41]
<i>Parupeneus indicus</i> (Shaw 1803) - Indian goatfish - M - LC - SU, DI [39, 41]
<i>Upeneus guttatus</i> (Day, 1868) - Two-tone goatfish - B,M - LC - DI [41]
<i>Upeneus luzonius</i> Jordan & Seale, 1907 - Dark-barred goatfish - M - NE - DI [41]
<i>Upeneus moluccensis</i> (Bleeker, 1855) - Goldband goatfish - B,M - LC - Digha [41]
<i>Upeneus sulphureus</i> Cuvier, 1829 - Sulphur goatfish - B,M - LC - Kakdwip, DI [6, 41]
<i>Upeneus sundaicus</i> (Bleeker, 1855) - Ochre-banded goatfish - B,M - LC - DI [41]
<i>Upeneus taeniopterus</i> Cuvier, 1829 - Finstripe goatfish - M - LC - DI [41]
<i>Upeneus tragula</i> Richardson, 1846 - Freckled goatfish - B,M - LC - DI [41]
<i>Upeneus vittatus</i> (Forsskal 1775) - Yellow-striped goatfish - F,B,M - LC - SU, DI [39, 41]
Family: Callionymidae (Dragonets)
<i>Eleutherochir opercularis</i> (Valenciennes 1837) - Flap-gilled dragonet - B,M - NE - SU, DI [38, 41]
<i>Callionymus belcheri</i> Richardson 1844 - Belcher's dragonet - M - NE - SU, DI [39, 41]
<i>Callionymus carebares</i> Alcock 1890 - Indian deepwater dragonet - M - NE - SU [39]
<i>Callionymus fluviatilis</i> Day 1876 - River dragonet - F,B,M - NE - SU [38]
<i>Callionymus megastomus</i> Fricke 1982 - Indian megamouth dragonet - M - NE - SU [38]
<i>Callionymus sagitta</i> Pallas 1770 - Arrow dragonet - B,M - NE - SU, DI [38, 41]
Order: Kurtiformes
Family: Kurtidae (nurseryfishes)
<i>Kurtus indicus</i> Bloch 1786 - Indian hump head - F,B - NE - SU, DI [38, 41]
Family: Apogonidae (Cardinalfishes)
<i>Fibramia amboinensis</i> (Bleeker, 1853) - Amboina cardinalfish - F,B,M - LC - WB [1]
<i>Fibramia lateralis</i> (Valenciennes, 1832) - Humpback cardinal - F,B,M - LC - WB [86]
<i>Jaydia queketti</i> (Gilchrist, 1903) - Spotfin cardinal - M - NE - DI [87]
<i>Jaydia striata</i> (Smith & Radcliffe, 1912) - M - NE - DI [87]
<i>Ostorhinchus fasciatus</i> (White, 1790) - Broadbanded cardinalfish - M - NE - DI [87]
<i>Ostorhinchus fleurieu</i> Lacepède, 1802 - Flower cardinalfish - M - LC - Petuaghat [88]
Family: Trichonotidae (Sanddivers)
<i>Trichonotus cyclograptus</i> (Alcock, 1890) - Bengal sand diver - M - NE - SH [89]
Order: Gobiiformes
Family: Eleotridae (sleepers)
<i>Butis butis</i> (Hamilton 1822) - Duckbill sleeper - F,B,M - LC - Gosaba [90]
<i>Butis humeralis</i> (Valenciennes 1837) - B,M - NE - SU, DI [38, 41]
<i>Butis koilomatodon</i> (Bleeker, 1849) - Mud sleeper - F,B,M - NE - SH [91]
<i>Eleotris fusca</i> (Bloch & Schneider 1801) - Dusky sleeper - F,B,M - LC - Basanti, Sagar, DI [57, 41]
<i>Eleotris lutea</i> Day 1876 - Lutea sleeper - B,M - NE - SU [39]
<i>Eleotris melanosoma</i> Bleeker 1853 - Broadhead sleeper - F,B,M - LC - Jambu Island, DI [90, 41]
<i>Giuris margaritaceus</i> (Valenciennes 1837) - Snakehead gudgeon - M - LC - Sundarban delta [90]
<i>Odonteleotris macrodon</i> (Bleeker 1853) - Gangetic sleeper - F,B - NE - Sagar Island [90]

<i>Ophiocara porocephala</i> (Valenciennes 1837) - Northern mud gudgeon - F,B,M - LC - Edward's creek, Fraserganj, Bakkhali [90]
<i>Oxyeleotris urophthalmus</i> (Bleeker, 1851) - F,B - DD - SU [92]
Family: Gobiidae (gobies)
<i>Acentrogobius caninus</i> (Valenciennes 1837) - Tropical sand goby - B,M - LC - SU [38]
<i>Acentrogobius cyanomos</i> (Bleeker, 1849) - B,M - LC - G plot Sunderban [93]
<i>Acentrogobius viridipunctatus</i> (Valenciennes 1837) - Spotted green goby - B,M - NE - Hoogly River [90]
<i>Acentrogobius moloanus</i> (Herre, 1927) - Barcheek Amoya - B,M - NE - Pakhirala Sunderban [94]
<i>Amblyeleotris gymnocephala</i> (Bleeker 1853) - Masked shrimpgoby - B,M - NE - Jamboo Dwip [90]
<i>Amblyotrypauchen arctocephalus</i> (Alcock 1890) - Armour eelgoby - M - NE - Sandhead [90]
<i>Amoya gracilis</i> (Bleeker, 1875) - Bluespotted mangrove goby - B,M - LC - Pakhirala [94]
<i>Apocryptes bato</i> (Hamilton 1822) - F,B,M - LC - Matla River, DI [90, 41]
<i>Apocryptodon madurensis</i> (Bleeker 1849) - Madura goby - F,B,M - NE - Jamboo Dwip, DI [46, 41]
<i>Awaouichthys menoni</i> Chatterjee & Mishra 2013 - M - NE - Patibunia [19]
<i>Bathygobius fuscus</i> (Rüppell 1830) - Dusky frillgoby - F,B,M - LC - Bakkhali, Fraserganj, DI [90, 41]
<i>Brachyamblyopus brachysoma</i> (Bleeker, 1854) - F,B - NE - Paschim Midnapore, Jhargram [95]
<i>Brachygobius nurus</i> (Hamilton 1822) - F,B - NE - Edward's creek, Fraserganj [90]
<i>Boleophthalmus boddarti</i> (Pallas 1770) - Boddart's goggle-eyed goby - F,B,M - LC - Basanti, Sagar, DI [57, 41]
<i>Boleophthalmus dussumieri</i> Valenciennes 1837 - B,M - NE - Jamboo Dwip [46]
<i>Caragobius urolepis</i> (Bleeker 1852) - Scaleless worm goby - F, B - LC - Lower Bengal [90]
<i>Drombus globiceps</i> (Hora 1923) - Kranji drombus - F,B - LC - Fraserganj [90]
<i>Glossogobius giuris</i> (Hamilton 1822) - Tank goby - F,B,M - LC - Basanti, Sagar, DI [57, 41]
<i>Gnatholepis cauerensis</i> (Bleeker 1853) - Eyebars goby - B,M - LC - Fraserganj coast [90]
<i>Gobiopsis chuno</i> (Hamilton 1822) - F,B - DD - SU [38]
<i>Gobiopsis macrostoma</i> Steindachner, 1861 - Longjaw goby - F,B,M - LC - WB [1]
<i>Hemigobius hoevenii</i> (Bleeker 1851) - Banded mulletgoby - F,B,M - NE - Edward's creek, Fraserganj [90]
<i>Istigobius ornatus</i> (Rüppell 1830) - Ornate goby - B,M - LC - Fraserganj [90]
<i>Myersina filifer</i> (Valenciennes 1837) - M - NE - SH [96]
<i>Odontamblyopus rubicundus</i> (Hamilton 1822) - F,B,M - NE - Basanti, Sagar, DI [57, 41]
<i>Oligolepis acutipennis</i> (Valenciennes, 1837) - Sharptail goby - F,B,M - LC - WB [1]
<i>Oxuderces dentatus</i> Eydoux & Souleyet, 1850 - F,B - DD - WB [1]
<i>Oxuderces nexipinnis</i> (Cantor 1849) - B,M - NE - Jamboo Dwip [46]
<i>Parachaeturichthys polynema</i> (Bleeker 1853) - Taileyed goby - B,M - NE - Mouth of Hoogly River, DI [90, 41]
<i>Parapocryptes serperaster</i> (Richardson 1846) - B,M - LC - Fraserganj, Sagar, Canning [90]
<i>Paratrypauchen microcephalus</i> (Bleeker 1860) - Comb goby - B,M - LC - Matla River [46]
<i>Periophthalmodon schlosseri</i> (Pallas 1770) - Giant mudskipper - B,M - LC - Kakdwip, Sonakhali, Muriganga, Sptamukhi river, Bakkhali [46]
<i>Periophthalmodon septemradiatus</i> (Hamilton 1822) - F,B - LC - Basirhat, Bakkhali, Kakdwip [46]
<i>Periophthalmus argentilineatus</i> Valenciennes 1837 - Barred mudskipper - B,M - LC - Hoogly Matla Estuary [90]
<i>Periophthalmus kalolo</i> Lesson 1831 - Common mudskipper - F,B,M - NE - Hoogly Matla Estuary [90]
<i>Periophthalmus novemradiatus</i> (Hamilton 1822) - Pearse's mudskipper - B,M - DD - Chamta, Bakkhali, Jharkhali, DI [90, 41]
<i>Periophthalmus variabilis</i> Eggert 1935 - B,M - NE - SU [38]
<i>Pseudapocryptes elongatus</i> (Cuvier 1816) - F,B,M - LC - Basanti, Sagar, DI [57, 41]
<i>Pseudotrypauchen multiradiatus</i> Hardenberg 1931 - B,M - NE - Mouth of Hoogly River [46]
<i>Redigobius macrostoma</i> (Günther 1861) - Longjaw goby - B,M - NE - Sagar [90]
<i>Scartelaos histophorus</i> (Valenciennes 1837) - Walking goby - B,M - NE - Chotomollakhali, Gosaba; Kakdwip, Sonakhali, Jharkhali, [46, 41]
<i>Stigmatogobius sadanundio</i> (Hamilton 1822) - F,B,M - NE - Basanti, Sagar [57]

<i>Stigmatogobius yanamensis</i> Visweswara Rao, 1971 - Indian goby - F,B,M - NE - Pakhirala [93]
<i>Taenioides anguillaris</i> (Linnaeus 1758) - Eel worm goby - F,B - NE - Kakdwip [46]
<i>Taenioides buchanani</i> (Day 1873) - Burmese gobyeel - B,M - NE - Sagar Island [46]
<i>Taenioides cirratus</i> (Blyth 1860) - Bearded worm goby - F,B,M - DD - Kakdwip, Canning [46]
<i>Trypauchen vagina</i> (Bloch & Schneider 1801) - B,M - NE - Jharkhali, Chottomollkhali, Kakdwip, DI [46, 41]
<i>Trypauchenichthys sumatrensis</i> Hardenberg 1931 - Indonesian eelgoby - B - DD - Sand Heads [90]
<i>Trypauchenichthys typus</i> Bleeker - Typical eelgoby - F - DD - Kakdwip [46]
<i>Wuhanlinigobius polylepis</i> (Wu & Ni, 1985) - B,M - NE - Pakhirala [97]
Order: Synbranchiformes
Family: Mastacembelidae (spiny-eels)
<i>Macrognathus aculeatus</i> (Bloch, 1786) - Lesser spiny eel - F,B - LC - WB [1]
<i>Macrognathus aral</i> (Bloch & Schneider 1801) - One stripe spinyeel - F - LC - Basanti, Sagar [57]
<i>Macrognathus morehensis</i> Arunkumar & Tombi Singh, 2000 - F - LC - Coochbihar [68]
<i>Macrognathus pancalus</i> Hamilton 1822 - Barred spiny eel - F - LC - Basanti, Sagar [57]
<i>Mastacembelus armatus</i> (Lacepède 1800) - Zig-zag eel - F - LC - Basanti, Sagar [57]
Family: Chaudhuriidae (Spineless eels)
<i>Pillaia indica</i> Yazdani, 1972 - Hillstream spineless eel - F - EN - Darjeeling [98]
Family: Synbranchidae (swamp-eels)
<i>Monopterus albus</i> (Zuiew, 1793) - Asian swamp eel - F,B - LC - WB [1]
<i>Ophichthys cuchia</i> (Hamilton 1822) - Cuchia - F,B - LC - Basanti, Sagar [57]
<i>Ophisternon bengalense</i> McClelland 1844 - Bengal eel - F,B - LC - SU [38]
Order: Anabantiformes
Family: Anabantidae (Climbing gouramies)
<i>Anabas cobojus</i> (Hamilton 1822) - Gangetic koi - F - DD - SU [38]
<i>Anabas testudineus</i> (Bloch 1792 - Climbing perch - F,B - DD - Basanti, Sagar [57]
Family: Osphronemidae (gouramies)
<i>Ctenops nobilis</i> McClelland, 1845 - Frail gourami - F,B - NT - Small streams of WB [1]
<i>Trichogaster chuna</i> (Hamilton 1822) - Honey gourami - F - LC - Basanti, Sagar [57]
<i>Trichogaster fasciata</i> Bloch & Schneider 1801 - Banded gourami - F - LC - Basanti, Sagar [57]
<i>Trichogaster labiosa</i> Day, 1877 - Thick lipped gourami - F - LC - Cooch Bihar [99]
<i>Trichogaster lalius</i> (Hamilton 1822) - Dwarf gourami - F - LC - Basanti, Sagar [57]
Family: Channidae (snakeheads)
<i>Channa amari</i> Dey, Roy Chowdhury, Nur, Sarkar, Kosygin, Barat 2019 - Chocolate bleheri - F - NE - Alipurduar [22]
<i>Channa andrao</i> Britz, 2013 - F - NE - WB [18]
<i>Channa amphibeus</i> (McClelland, 1845) - Borna snakehead - F - LC - North Bengal [1]
<i>Channa aurantimaculata</i> Musikasinthorn, 2000 - F - DD - WB [4]
<i>Channa barca</i> (Hamilton, 1822) - Barca snakehead - F - DD - Darjeeling [1]
<i>Channa bleheri</i> Vierke, 1991 - F - NT - Cooch Bihar [68]
<i>Channa gachua</i> (Hamilton 1822) - F - LC - Basanti, Sagar [57]
<i>Channa marulius</i> (Hamilton 1822) - Great snakehead - F - LC - Basanti, Sagar [57]
<i>Channa orientalis</i> Bloch & Schneider, 1801 - Walking snakehead - F,B - VU - WB [1]
<i>Channa punctata</i> (Bloch 1793) - Spotted snakehead - F - LC - Basanti, Sagar [57]
<i>Channa quinquefasciata</i> Praveenraj, Uma, Knight, Mouliharan, Balasubramanian, Bineesh & Bleher, 2018 - F - NE - North Bengal [68]
<i>Channa stewartii</i> (Playfair, 1867) - Assamese snakehead - F - LC - Hugly river, Matla River [1]
<i>Channa striata</i> (Bloch 1793) - Striped snakehead - F - LC - Basanti, Sagar [57]
<i>Channa toraensis</i> Dey, Nur, Chowdhury, Sarkar, Kosygin & Barat, 2019 - Cobalt Blue Channa - F - NE - Dooars, Bramhaputra [21]
Family: Nandidae (Asian leaf-fishes)
<i>Nandus nandus</i> (Hamilton 1822) - Gangetic leaf-fish - F,B - LC - Basanti, Sagar [57]
Family: Badidae (Chameleonfishes)
<i>Badis andrewraoi</i> Valdesalici & van der Voort, 2015 - F - NE - Darjeeling, Mahananda River [36]
<i>Badis assamensis</i> Ahl, 1937 - F - DD - Cooch Bihar [68]

<i>Badis autumnum</i> Valdesalici & van der Voort, 2015 - F - NE - Coochbihar, Singimari River [36]
<i>Badis badis</i> (Hamilton 1822) - Badis - F - LC - Basanti, Sagar [57]
<i>Badis kyanos</i> Valdesalici & van der Voort, 2015 - F - NE - Jalpaiguri, Tista River [36]
<i>Badis laspiophilus</i> Valdesalici & van der Voort, 2015 - F - NE - Jalpaiguri [37]
<i>Badis soraya</i> Valdesalici & van der Voort, 2015 - F - NE - Jalpaiguri, Tista River [36]
<i>Badis singenensis</i> Geetakumari & Kadu, 2011 - F - NE - WB [4]
Order: Carangiformes
Family: Latidae (giant perches)
<i>Lates calcarifer</i> (Bloch 1790) - Barramundi - F,B,M - NE - Hingalgañj, Chormaya Dwip, DI [42, 41]
Family: Lactariidae (false trevallies)
<i>Lactarius lactarius</i> (Bloch & Schneider 1801) - False trevally - B,M - NE - SU, DI [39, 41]
Family: Sphyraenidae (barracudas)
<i>Sphyraena forsteri</i> Cuvier, 1829 - Bigeye barracuda - M - NE - DI [41]
<i>Sphyraena jello</i> Cuvier 1829 - Pickhandle barracuda - M - NE - SU, DI [39, 41]
<i>Sphyraena obtusata</i> Cuvier 1829 - Obtuse barracuda - B,M - NE - SU, DI [38, 41]
Family: Polynemidae (threadfins or tassel-fishes)
<i>Eleutheronema tetradactylum</i> (Shaw 1804) - Fourfinger threadfin - F,B,M - NE - SU, DI [38, 41]
<i>Filimanus similis</i> Feltes, 1991 - Indian sevenfinger threadfin - M - NE - WB [1]
<i>Leptomelanosoma indicum</i> (Shaw 1804) - Indian threadfin - B,M - NE - SU, DI [38, 41]
<i>Polydactylus plebeius</i> (Broussonet 1782) - B,M - NE - SU, DI [38, 41]
<i>Polydactylus sextarius</i> (Bloch & Schneider 1801) - Blackspot threadfin - B,M - NE - SU, DI [38, 41]
<i>Polynemus dubius</i> Bleeker, 1853 - Eastern paradise fish - F,B,M - LC - DI [41]
<i>Polynemus paradiseus</i> Linnaeus 1758 - Paradise threadfin - B,M - LC - Basanti, Sagar, DI [57, 41]
Family: Psettodidae (spiny turbot)
<i>Psettodes erumei</i> (Bloch & Schneider 1801) - Indian halibut - M - NE - SU, DI [39, 41]
Family: Citharidae (largescale flounders)
<i>Brachypleura novaezeelandiae</i> Günther 1862 - Yellow-dabbled flounder - M - LC - SU, DI [39, 41]
Family: Bothidae (Lefteye flounders)
<i>Engyproson grandisquama</i> (Temminck & Schlegel, 1846) - Largescale flounder - M - LC - WB [1]
Family: Paralichthyidae (sand flounders)
<i>Pseudorhombus arsius</i> (Hamilton 1822) - Largetooth flounder - B,M - NE - SU, DI [38, 41]
<i>Pseudorhombus elevatus</i> Ogilby 1912 - Deep flounder - M - NE - SU [38]
<i>Pseudorhombus javanicus</i> (Bleeker 1853) - Javan flounder - M - NE - SU, DI [38, 41]
<i>Pseudorhombus malayanus</i> Bleeker 1865 - Malayan flounder - B,M - NE - SU [39]
<i>Pseudorhombus triocellatus</i> (Bloch & Schneider 1801) - Three spotted flounders - M - NE - SU [39]
Family: Soleidae (soles)
<i>Brachirus orientalis</i> (Bloch & Schneider, 1801) - Oriental sole - F,B,M - LC - DI [41]
<i>Brachirus macrolepis</i> (Bleeker, 1858) - M - DD - WB [1]
<i>Brachirus pan</i> (Hamilton 1822) - Pan sole - F,B,M - LC - SU [38]
<i>Dagetichthys albomaculatus</i> (Kaup 1858) - Kaup's sole - B,M - NE - SU [38]
<i>Dagetichthys commersonnii</i> (Lacepède 1802) - Commerson's sole - B,M - NE - SU, DI [38, 41]
<i>Heteromycteris oculus</i> (Alcock 1889) - Eyed sole - M - NE - SU [38]
<i>Solea elongata</i> Day, 1877 - Elongate sole - M - LC - DI [41]
<i>Zebrias altipinnis</i> (Alcock 1890) - M - NE - SU, DI [39, 41]
<i>Zebrias quagga</i> (Kaup 1858) - Fringefin zebra sole - M - NE - SU, DI [39, 41]
Family: Cynoglossidae (tonguefishes)
<i>Cynoglossus arel</i> (Bloch & Schneider 1801) - Largescale tonguesole - F,B,M - NE - SU [38]
<i>Cynoglossus cynoglossus</i> (Hamilton 1822) - Bengal tongue sole - B,M - NE - SU, DI [38, 41]
<i>Cynoglossus lida</i> (Bleeker 1851) - Roughscale tonguesole - M - NE - SU [39]
<i>Cynoglossus lingua</i> Hamilton 1822 - Long tongue sole - F,B,M - NE - SU, DI [38, 41]
<i>Cynoglossus macrolepidotus</i> (Bleeker, 1851) - M - DD - DI, SH, Petuaghat, Sagar [40]
<i>Cynoglossus macrostomus</i> Norman 1928 - Malabar tonguesole - B,M - NE - SU, DI [38, 41]
<i>Cynoglossus puncticeps</i> (Richardson 1846) - Speckled tonguesole - F,B,M - NE - SU, DI [38, 41]
<i>Cynoglossus semifasciatus</i> Day 1877 - Bengal tonguesole - M - NE - SU, DI [39, 41]

<i>Paraplagusia bilineata</i> (Bloch 1787) - Doublelined tonguesole - B,M - NE - SU, DI [39, 41]
<i>Paraplagusia bleekeri</i> Kottelat 2013 - Bloch's tonguesole - B,M - NE - WB [1]
<i>Symphurus gilesii</i> (Alcock 1889) - M - NE - WB [1]
Family: Toxotidae (archerfishes)
<i>Toxotes chatareus</i> (Hamilton 1822) - Spotted archerfish - F,B - NE - SU, DI [38, 41]
<i>Toxotes jaculatrix</i> (Pallas 1767) - Banded archerfish - F,B - LC - SU, DI [38, 41]
Family: Menidae (Moonfish)
<i>Mene maculata</i> (Bloch & Schneider, 1801) - Moonfish - M - NE - DI [41]
Family: Istiophoridae (Billfishes)
<i>Istiophorus platypterus</i> (Shaw, 1792) - Indo-Pacific sailfish - M - LC - DI [41]
Family: Carangidae (jacks, amberjacks, pompanos)
<i>Alectis ciliaris</i> (Bloch 1787) - African pompano - M - LC - SU, DI [39, 41]
<i>Alectis indica</i> (Rüppell 1830) - Indian threadfish - B,M - LC - Jamboo, DI [42, 41]
<i>Alepes djedaba</i> (Fabricius 1775) - Shrimp scad - M - LC - SU, DI [39, 41]
<i>Alepes kleinii</i> (Bloch, 1793) - Razorbelly scad - M - LC - DI [100]
<i>Alepes melanoptera</i> (Swainson, 1839) - Blackfin scad - B,M - LC - DI [100]
<i>Alepes vari</i> (Cuvier, 1833) - Herring scad - B,M - LC - WB [101]
<i>Atropus atropus</i> (Bloch & Schneider 1801) - Cleftbelly trevally - M - LC - SU, DI [39, 41]
<i>Atule mate</i> (Cuvier 1833) - Yellowtail scad - B,M - LC - SU [38]
<i>Carangoides armatus</i> (Rüppell, 1830) - Longfin trevally - B,M - LC - DI [100]
<i>Carangoides chrysophrys</i> (Cuvier 1833) - Longnose trevally - B,M - LC - SU [38]
<i>Carangoides coeruleopinnatus</i> (Rüppell, 1830) - Coastal trevally - M - LC - DI [100]
<i>Carangoides ferdau</i> (Forsskal, 1775) - Blue trevally - B,M - LC - DI [100]
<i>Carangoides hedlandensis</i> (Whitley, 1934) - Bumpnose trevally - M - LC - DI [100]
<i>Carangoides malabaricus</i> (Bloch & Schneider 1801) - Malabar trevally - M - LC - Jamboo, Kedokhal, Kakdwip, DI [42, 41]
<i>Carangoides oblongus</i> (Cuvier, 1833) - Coachwhip trevally - M - LC - WB [86]
<i>Carangoides praeustus</i> (Anonymous [Bennett], 1830) - Brownback trevally - M - LC - DI [100]
<i>Carangoides talamparoides</i> Bleeker, 1852 - Imposter trevally - M - LC - DI [100]
<i>Caranx heberi</i> (Bennett, 1830) - Blacktip trevally - B,M - LC - DI [100]
<i>Caranx hippos</i> (Linnaeus, 1766) - Crevalle jack - B,M - LC - DI [41]
<i>Caranx ignobilis</i> (Forsskal 1775) - Giant trevally - B,M - LC - Tushkhali, Taunkhali Matla [42]
<i>Caranx melampygus</i> Cuvier, 1833 - Bluefin trevally - B,M - LC - WB [101]
<i>Caranx sexfasciatus</i> Quoy & Gaimard 1825 - Bigeye trevally - F,B,M - LC - SU, DI [38, 41]
<i>Decapterus macrosoma</i> Bleeker, 1851 - Shortfin scad - M - LC - DI [100]
<i>Decapterus russelli</i> (Rüppell 1830) - Indian scad - M - LC - SU, DI [39, 41]
<i>Elagatis bipinnulata</i> (Quoy & Gaimard 1825) - Rainbow runner - M - LC - SU, DI [39, 41]
<i>Ferdauia ferdau</i> (Fabricius 1775) - Blue trevally - B,M - LC - DI [41]
<i>Gnathanodon speciosus</i> (Forsskal, 1775) - Golden trevally - M - LC - DI [100]
<i>Megalaspis cordyla</i> (Linnaeus 1758) - Torpedo scad - M - LC - SU, DI [38, 41]
<i>Naucrates ductor</i> (Linnaeus, 1758) - Pilotfish - M - LC - DI [41]
<i>Parastromateus niger</i> (Bloch 1795) - Black pomfret - M - LC - SU, DI [38, 41]
<i>Scomberoides commersonnianus</i> Lacepède 1801 - Talang queenfish - B,M - LC - SU, DI [38, 41]
<i>Scomberoides lysan</i> (Fabricius 1775) - Doublespotted queenfish - B,M - LC - SU [38]
<i>Scomberoides tala</i> (Cuvier 1832) - Barred queenfish - M - LC - Fresarganj [42]
<i>Scomberoides tol</i> (Cuvier, 1832) - Needlescaled queenfish - B,M - LC - DI [102]
<i>Selar crumenophthalmus</i> (Bloch 1793) - Bigeye scad - M - LC - SU, DI [39, 41]
<i>Selaroides leptolepis</i> (Cuvier, 1833) - Yellowstripe scad - B,M - LC - DI [41]
<i>Seriolina nigrofasciata</i> (Rüppell, 1829) - Blackbanded trevally - B,M - LC - DI [100]
<i>Trachinotus baillonii</i> (Lacepède, 1801) - Small spotted dart - B,M - LC - WB [86]
<i>Trachinotus blochii</i> (Lacepède 1801) - Snubnose pompano - B,M - LC - SU, DI [38, 41]
<i>Trachinotus botla</i> (Shaw, 1803) - Largespotted dart - B,M - LC - WB [86]
<i>Ulua mentalis</i> (Cuvier, 1833) - Longrakered trevally - M - LC - DI [100]
<i>Uraspis helvola</i> (Forster, 1801) - Whitetongue jack - M - LC - DI [100]
<i>Uraspis uraspis</i> (Günther 1860) - Whitemouth jack - M - LC - SU [39]

Family: Echeneidae (Remoras)

Echeneis naucrates Linnaeus, 1758 - Live sharksucker - M - LC - DI [41]

Remora remora (Linnaeus, 1758) - Shark sucker - M - LC - DI [41]

Family: Rachycentridae (cobias)

Rachycentron canadum (Linnaeus 1766) - Cobia - M - LC - SU, DI [39, 41]

Family: Coryphaenidae (dolphins or dolphinfishes)

Coryphaena hippurus Linnaeus 1758 - Common dolphinfish - M - LC - Chormayadwip, DI [42, 41]

Order: Cichliformes

Family: Ambassidae (Asiatic glassfishes)

Ambassis kopsii Bleeker 1858 - Singapore glassy perchlet - B,M - NE - SU [38]

Ambassis nalua (Hamilton 1822) - Scalloped perchlet - F,B - NE - SU, DI [38, 41]

Chanda nama Hamilton 1822 - Elongate glass-perchlet - F,B - LC - Basanti, Sagar [57]

Parambassis baculis (Hamilton 1822) - Himalayan glassy perchlet - F - LC - SU [38]

Parambassis lala (Hamilton, 1822) - Highfin glassy perchlet - F - NT - Rupnarayan & Kagsabati [76]

Parambassis ranga (Hamilton 1822) - Indian glassy fish - F,B - LC - Basanti, Sagar [38, 57]

Family: Pseudochromidae (Dottybacks)

Halidesmus thomasi (Nielsen, 1961) - Thomasi's snakelet - M - LC - DI [41]

Family: Pomacentridae

Abudefduf vaigiensis (Quoy & Gaimard, 1825) - Indo-Pacific sergeant - M - LC - DI, Lothian Island [41, 103]

Order: Cyprinodontiformes (Rivulines, killifishes and live bearers)

Family: Aplocheilidae (Killifishes)

Aplocheilichthys panchax (Hamilton 1822) - Blue panchax - F,B - LC - Basanti, Sagar [57]

Order: Belontiiformes (Needle fishes)

Family: Belontiidae (Needlefishes)

Strongylura leiura (Bleeker 1850) - Banded needlefish - M,B - NE - SU, DI [38, 41]

Strongylura strongylura (van Hasselt 1823) - Spottail needlefish - F,B,M - NE - Canning, Chotohardi, Kalas, DI [42, 41]

Tylosurus crocodilus (Péron & Lesueur 1821) - Hound needlefish - B,M - LC - SU, DI [38, 41]

Xenentodon cancila (Hamilton 1822) - Freshwater garfish - F - LC - Basanti, Sagar [57]

Family: Hemiramphidae (Halfbeaks)

Dermogenys brachynotus (Bleeker, 1853) - B - DD - Hughly river [1]

Hemiramphus far (Fabricius 1775) - Black-barred halfbeak - B,M - LC - SU, DI [38, 41]

Hyporhamphus limbatus (Valenciennes 1847) - Congaturi halfbeak - F,B,M - LC - Kalas, Haldibari, DI [42, 41]

Hemiramphus lutkei Valenciennes, 1847 - Lutke's halfbeak - B,M - NE - DI [41]

Hemiramphus marginatus (Forsskal, 1775) - Yellowtip halfbeak - M - NE - DI, SH, Petuaghat, Sagar, Namkhana, Kakdwip, Diamon Harbour [40]

Hyporhamphus quoyi (Valenciennes, 1847) - Quoy's garfish - F,B,M - NE - SH [40]

Rhynchorhamphus georgii (Valenciennes 1847) - Long billed half beak - M - NE - SU, DI [38, 41]

Family: Zenarchopteridae (Needlefishes)

Dermogenys brachynotus (Bleeker 1853) - B - DD - SU [39]

Zenarchopterus buffonis (Valenciennes 1847) - Buffon's river-garfish - F,B,M - NE - SU [38]

Zenarchopterus dispar (Valenciennes 1847) - Feathered river-garfish - F,B,M - LC - SU [38]

Zenarchopterus ectuntio (Hamilton 1822) - F,B - NE - Dhanchi, Kalas, Haldibari, Netidhopani [42]

Zenarchopterus striga (Blyth 1858) - Hooghly halfbeak - F,B - NE - SU [38]

Family: Exocoetidae (Flyingfishes)

Cheilopogon cyanopterus (Valenciennes, 1847) - Margined flyingfish - M - LC - SH [104]

Cheilopogon intermedius Parin, 1961 - Intermediate flyingfish - M - NE - DI [104]

Cheilopogon suttoni (Whitley & Colefax, 1938) - Sutton's flyingfish - M - NE - DI [104]

Cypselurus naresii (Günther, 1889) - Pharaoh flyingfish - M - NE - SH [104]

Cypselurus poecilopterus (Valenciennes, 1847) - Yellowing flyingfish - M - NE - DI [105]

Exocoetus volitans Linnaeus, 1758 - Tropical two-wing flyingfish - M - LC - DI [41]

Hirundichthys speculiger (Valenciennes, 1847) - Mirrorwing flyingfish - M - LC - SH [104]

Parexocoetus brachypterus (Richardson, 1846) - Sailfin flyingfish - M - NE - DI [101]

<i>Parexocoetus mento</i> (Valenciennes, 1847) - African sailfin flyingfish - M - NE - DI [104]
Family: Adrianichthyidae (Ricefishes)
<i>Oryzias carnaticus</i> (Jerdon, 1849) - Karnataka Rice Fish - F,B - LC - Pakhirala [106]
<i>Oryzias dancena</i> (Hamilton 1822) - Bengal Rice Fish - F,B - LC - SU [38]
<i>Oryzias melastigma</i> (McClelland, 1839) - F,B - LC - Lower Benagal [107]
Order: Mugiliformes
Family: Mugilidae (mulletts)
<i>Chelon parsia</i> (Hamilton 1822) - Gold-spot mullet - F,B,M - LC - SU, DI [38, 41]
<i>Crenimugil buechanani</i> (Bleeker 1853) - Bluetail mullet - F,B,M - LC - SU [38]
<i>Crenimugil seheli</i> (Fabricius 1775) - Bluespot mullet - F,B,M - NE - SU [38]
<i>Ellochelon vaigiensis</i> (Quoy & Gaimard 1825) - Squaretail mullet - F,B,M - LC - SU [38]
<i>Minimugil cascasi</i> (Hamilton, 1822) - Yellowtail mullet - F - LC - SU [1]
<i>Mugil cephalus</i> Linnaeus 1758 - Flathead grey mullet - B,M - LC - SU, DI [38, 41]
<i>Osteomugil cunnesius</i> (Valenciennes 1836) - Longarm mullet - F,B,M - NE - SU, DI [38, 41]
<i>Osteomugil speigleri</i> (Bleeker 1858) - Speigler's mullet - B,M - NE - SU [38]
<i>Planiliza macrolepis</i> (Smith 1846) - Largescale mullet - F,B,M - LC - SU, DI [38, 41]
<i>Planiliza melinoptera</i> (Valenciennes 1836) - Otomebora mullet - F,B,M - LC - SU [38]
<i>Planiliza planiceps</i> (Valenciennes 1836) - Tade gray mullet - B,M - NE - SU [39]
<i>Planiliza subviridis</i> (Valenciennes 1836) - Greenback mullet - F,B,M - NE - SU, DI [38, 41]
<i>Planiliza tade</i> (Fabricius, 1775) - F,B,M - DD - DI [41]
<i>Rhinomugil corsula</i> (Hamilton 1822) - Corsula - F,B - LC - SU, DI [38, 41]
Order: Blenniiformes
Family: Blenniidae (Combtooth blennies)
<i>Omobranchus punctatus</i> (Valenciennes, 1836) - Muzzled blenny - B,M - LC - SU [108]
<i>Omobranchus smithi</i> (Rao, 1974) - B,M - VU - Jharkhali [109]
<i>Omobranchus zebra</i> (Bleeker 1868) - B,M - LC - Jharkhali [109]
<i>Petroscirtes breviceps</i> (Valenciennes 1836) - Striped poison-fang blenny mimic - M - LC - Matla River [46]
<i>Petroscirtes variabilis</i> Cantor 1849 - Variable sabretooth blenny - M - LC - Bakkhali, DI [46, 110]
Order: Perciformes (Perch-like)
Family: Epinephelidae (Groupers)
<i>Cephalopholis formosa</i> (Shaw, 1812) - Bluelined hind - M - LC - DI [111]
<i>Cephalopholis sonnerati</i> (Valenciennes, 1828) - Tomato hind - M - LC - DI [112]
<i>Cromileptes altivelis</i> (Valenciennes, 1828) - Humpback grouper - M - DD - DI [112]
<i>Epinephelus areolatus</i> (Forsskål, 1775) - Areolate grouper - M - LC - DI [111]
<i>Epinephelus bleekeri</i> (Vaillant, 1878) - Duskytail grouper - M - DD - DI [111]
<i>Epinephelus coeruleopunctatus</i> (Bloch, 1790) - Whitespotted grouper - M - LC - DI [111]
<i>Epinephelus coioides</i> (Hamilton 1822) - Orange-spotted grouper - B,M - LC - DI, SU [113, 38]
<i>Epinephelus epistictus</i> (Temminck & Schlegel, 1842) - Dotted grouper - M - LC - Petuaghat [112]
<i>Epinephelus erythrurus</i> (Valenciennes, 1828) - Cloudy grouper - M - LC - DI [111]
<i>Epinephelus fasciatus</i> (Forsskål, 1775) - Blacktip grouper - B,M - LC - DI [111]
<i>Epinephelus lanceolatus</i> (Bloch 1790) - Giant grouper - B,M - DD - SU, DI [113, 38]
<i>Epinephelus latifasciatus</i> (Temminck & Schlegel, 1842) - Striped grouper - M - LC - DI [113]
<i>Epinephelus longispinis</i> (Kner, 1864) - Longspine grouper - M - LC - DI [111]
<i>Epinephelus magniscuttis</i> Postel, Fourmanoir & Guézé, 1963 - Speckled grouper - M - LC - DI [111]
<i>Epinephelus malabaricus</i> (Bloch & Schneider 1801) - Malabar grouper - B,M - LC - SU [38]
<i>Epinephelus radiatus</i> (Day, 1868) - Oblique-banded grouper - M - LC - DI [111]
<i>Epinephelus sexfasciatus</i> (Valenciennes, 1828) - Sixbar grouper - M - LC - DI [111]
<i>Epinephelus tauvina</i> (Forsskål, 1775) - Greasy grouper - M - DD - DI [41]
<i>Pogonoperca ocellata</i> Günther, 1859 - Indian soapfish - M - LC - DI [112]
Family: Labridae (Wrasses)
<i>Cheilinus chlorourus</i> (Bloch, 1791) - Floral wrasse - M - LC - DI [114]
<i>Halichoeres zeylonicus</i> (Bennett, 1833) - Goldstripe wrasse - M - LC - DI [114]
<i>Iniistius bimaculatus</i> (Rüppell, 1829) - Two-spot razorfish - M - LC - DI [115]
Family: Scaridae

<i>Scarus ghobban</i> Forsskål, 1775 - Blue-barred parrotfish - B,M - LC - DI [47]
Family: Uranoscopidae (stargazers)
<i>Uranoscopus crassiceps</i> Alcock, 1890 - M - NE - DI [116]
<i>Uranoscopus cognatus</i> Cantor 1849 - Two-spined yellow tail stargazer - M - NE - SU, DI [39, 41]
<i>Ichthyoscopus lebeck</i> (Bloch & Schneider 1801) - Longnosed stargazer - M - NE - Bali Island, DI [117, 118]
Family: Pinguipedidae (Sandperches)
<i>Parapercis ommatura</i> Jordan & Snyder, 1902 - M - NE - DI, SH [119]
<i>Parapercis diplospilus</i> Gomon, 1981 - Doublespot grubfish - M - NE - SH [120]
Family: Platycephalidae (flatheads)
<i>Cociella crocodilus</i> (Cuvier, 1829) - Crocodile flathead - B,M - LC - WB [1]
<i>Grammolites scaber</i> (Linnaeus 1758) - Rough flathead - B,M - NE - Jamboo, Sudhanyakhal, Chormaya Dwip, DI [42, 41]
<i>Kumococius rodericensis</i> (Cuvier, 1829) - Spiny flathead - M - LC - WB [1]
<i>Platycephalus indicus</i> (Linnaeus 1758) - Bartail flathead - B,M - DD - Namkhana , Kakdwip, DI [42, 41]
<i>Sorsogona tuberculata</i> (Cuvier, 1829) - Tuberculated flathead - M - LC - DI [41]
<i>Thysanophrys celebica</i> (Bleeker 1855) - Celebes flathead - M - LC - Bali Island [117]
Family: Triglidae (Searobins)
<i>Pterygotrigla arabica</i> (Boulenger, 1888) - M - LC - DI [121]
<i>Pterygotrigla hemisticta</i> (Temminck & Schlegel, 1843) - Blackspotted gurnard - M - LC - DI [121]
Family: Synanceiidae (stonefishes)
<i>Cocotropus roseus</i> Day, 1875 - M - LC - SH [122]
<i>Minous coccineus</i> Alcock 1890 - Onestick stingfish - M - LC - SU, SH Mohona [123]
<i>Minous dempsterae</i> Eschmeyer, Hallacher & Rama-Rao, 1979 - Obliquebanded stingfish - M - LC - SH Mohona [123]
<i>Minous inermis</i> Alcock, 1889 - Alcock's scorpionfish - M - LC - SH Mohona [123]
<i>Minous monodactylus</i> (Bloch & Schneider, 1801) - Grey stingfish - M - LC - SH Mohona [123]
<i>Minous pictus</i> Günther, 1880 - Painted stinger - M - NE - SH Mohona [123]
<i>Minous trachycephalus</i> (Bleeker, 1855) - Striped stingfish - M - NE - SH Mohona [123]
<i>Trachicephalus uranoscopus</i> (Bloch & Schneider 1801) - Stargazing stonefish - B,M - LC - SU, DI [39, 41]
Family: Scorpaenidae (Scorpionfishes or rockfishes)
<i>Brachypterois serrulata</i> (Richardson, 1846) - Sawcheek scorpionfish - M - NE - DI [41]
<i>Ebosia falcata</i> Eschmeyer & Rama-Rao, 1978 - M - LC - Petuaghat [124]
<i>Neomerinthe megalepis</i> (Fowler, 1938) - M - LC - SH [125]
<i>Pterois russellii</i> Bennett, 1831 - Plaintail turkeyfish - M - LC - DI, SU [41, 126]
<i>Pterois volitans</i> (Linnaeus, 1758) - Red lionfish - M - LC - DI [41]
<i>Scorpaenopsis ramaraoi</i> Randall & Eschmeyer, 2002 - Rama Rao's scorpionfish - M - LC - DI [127]
Family: Caesionidae (fusiliers)
<i>Caesio caerulaurea</i> Lacepède 1801 - Blue and gold fusilier - M - LC - Bali Island [117]
Order: Centrarchiformes
Family: Terapontidae (grunters or tigerfishes)
<i>Terapon jarbua</i> (Fabricius 1775) - Jarbua terapon - F,B,M - LC - Jhorkhali, Saimari, Haliday, DI [42, 41]
<i>Terapon puta</i> Cuvier 1829 - Small-scaled terapon - F,B,M - NE - SU, DI [38, 41]
<i>Terapon theraps</i> Cuvier 1829 - Largescaled terapon - F,B,M - LC - SU, DI [38, 41]
Order: Acropomatiformes
Family: Acropomatidae (Lanternbellies, temperate ocean-basses)
<i>Acropoma argentistigma</i> Okamoto & Ida, 2002 - M - NE - DI [128]
Family: Champsodontidae (Crocodile toothfishes)
<i>Champsodon capensis</i> Regan, 1908 - Gaper - M - LC - Deshpran fishing harbour [129]
Order: Acanthuriformes
Family: Priacanthidae (Bigeyes or catalufas)
<i>Priacanthus hamrur</i> (Forsskål, 1775) - Moontail bullseye - M - LC - Sagar [40]

<i>Priacanthus prolixus</i> Starnes, 1988 - Elongate bulleye - M - LC - DI [130]
<i>Priacanthus tayenus</i> Richardson, 1846 - Purple-spotted bigeye - M - LC - DI [41]
Family: Sillaginidae (sillagos)
<i>Sillaginopsis domina</i> (Cuvier 1816) - Flathead sillago - B,M - NE - Gona, Chotahardi, DI [42, 41]
<i>Sillago sihama</i> (Fabricius 1775) - Silver sillago - B,M - LC - Kakdwip, Kedokhal, DI [42, 41]
Family: Lutjanidae (snappers)
<i>Aprion virescens</i> Valenciennes, 1830 - Green jobfish - M - LC - WB [86]
<i>Caesio caerulaurea</i> Lacepède, 1801 - Blue and gold fusilier - M - LC - DI, SU [131, 117]
<i>Caesio xanthonota</i> Bleeker, 1853 - Yellowback fusilier - M - LC - DI [131]
<i>Lutjanus argentimaculatus</i> (Forsskål 1775) - Mangrove red snapper - B,M - LC - SU, DI [38, 41]
<i>Lutjanus bengalensis</i> (Bloch 1790) - Bengal snapper - M - LC - SU, DI [39, 41]
<i>Lutjanus carponotatus</i> (Richardson, 1842) - Spanish flag snapper - M - LC - DI [13]
<i>Lutjanus decussatus</i> (Cuvier, 1828) - Checkered snapper - M - LC - SH [132]
<i>Lutjanus erythropterus</i> Bloch, 1790 - Crimson snapper - M - LC - DI [133]
<i>Lutjanus fulviflamma</i> (Forsskål, 1775) - Dory snapper - B,M - LC - DI [13]
<i>Lutjanus fulvus</i> (Forster 1801) - Blacktail snapper - F,B,M - LC - SU [38]
<i>Lutjanus gulcheri</i> Fourmanoir, 1959 - Yellowfin red snapper - M - LC - WB [101]
<i>Lutjanus indicus</i> Allen, White & Erdmann 2013 - B,M - LC - SU [38]
<i>Lutjanus johnii</i> (Bloch 1792) - John's snapper - B,M - LC - Fresarganj, Sudhanyakhali, Matla thakuran, DI [42, 41]
<i>Lutjanus kasmira</i> (Forsskål, 1775) - Common bluestripe snapper - M - LC - WB [101]
<i>Lutjanus lunulatus</i> (Park, 1797) - Lunartail snapper - M - LC - DI [132]
<i>Lutjanus lutjanus</i> Bloch, 1790 - Bigeye snapper - M - LC - DI [41]
<i>Lutjanus malabaricus</i> (Bloch & Schneider, 1801) - Malabar blood snapper - M - LC - DI [41]
<i>Lutjanus monostigma</i> (Cuvier, 1828) - One-spot snapper - B,M - LC - DI [132]
<i>Lutjanus quinquelineatus</i> (Bloch, 1790) - Five-lined snapper - M - LC - DI [132]
<i>Lutjanus rivulatus</i> (Cuvier, 1828) - Blubberlip snapper - M - LC - WB [134]
<i>Lutjanus russellii</i> (Bleeker, 1849) - Russell's snapper - B,M - LC - DI [41]
<i>Lutjanus sanguineus</i> (Cuvier, 1828) - Humphead snapper - M - LC - WB [134]
<i>Pinjalo pinjalo</i> (Bleeker, 1850) - Pinjalo - M - LC - DI [132]
<i>Pristipomoides filamentosus</i> (Valenciennes, 1830) - Crimson jobfish - M - LC - DI [132]
<i>Pristipomoides multidens</i> (Day, 1871) - Goldbanded jobfish - M - LC - DI [132]
<i>Pristipomoides typus</i> (Bleeker, 1852) - Sharptooth Jobfish - M - LC - DI [132]
<i>Pterocaesio tessellata</i> Carpenter, 1987 - One-stripe fusilier - M - LC - DI [131]
Family: Gerreidae (mojarras)
<i>Gerres erythrourus</i> (Bloch 1791) - Deep-bodied mojarra - B,M - LC - DI [41]
<i>Gerres filamentosus</i> Cuvier 1829 - Whipfin silver-biddy - F,B,M - LC - SU, DI [38, 41]
<i>Gerres infasciatus</i> Iwatsuki & Kimura, 1998 - Nonbanded whipfin mojarra - M - DD - DI [135]
<i>Gerres longirostris</i> (Lacepède 1801) - Strongspine silver biddy - B,M - LC - SU, DI [39, 41]
<i>Gerres oyena</i> (Fabricius 1775) - Common silver biddy - B,M - LC - SU, DI [38, 41]
<i>Gerres phaiya</i> Iwatsuki & Heemstra 2001 - Strong spined silver biddy - M - NE - SU [38]
<i>Gerres setifer</i> (Hamilton 1822) - Small Bengal silver-biddy - B,M - NE - SU, DI [38, 41]
<i>Pentaprion longimanus</i> (Cantor, 1849) - Long fin mojarra - B,M - LC - DI, SH, Petuaghat, Sagar, Namkhana, Kakdwip, Diamon Harbour [40]
Family: Haemulidae (grunts)
<i>Plectorhinchus gibbosus</i> (Lacepède 1802) - Harry hotlips - B,M - LC - SU [38]
<i>Pomadasys argenteus</i> (Forsskål 1775) - Silver grunt - B,M - LC - SU [38]
<i>Pomadasys argyreus</i> (Valenciennes 1833) - Bluecheek silver grunt - M - LC - SU [39]
<i>Pomadasys furcatus</i> (Bloch & Schneider 1801) - Banded grunter - M - LC - SU [39]
<i>Pomadasys kaakan</i> (Cuvier 1830) - Javelin grunter - B,M - NE - SU [38]
<i>Pomadasys maculatus</i> (Bloch 1793) - Saddle grunt - B,M - LC - SU, DI [38, 41]
Family: Sparidae (porgys and seabreams)
<i>Acanthopagrus berda</i> (Fabricius 1775) - Goldsilk seabream - F,B,M - LC - SU, DI [38, 41]
<i>Acanthopagrus datnia</i> (Hamilton 1822) - Yellowfin seabream - F,B,M - DD - SU [38]
<i>Acanthopagrus latus</i> (Houttuyn, 1782) - Yellowfin seabream - F,B,M - DD - DI [41]

<i>Argyrops bleekeri</i> Oshima, 1927 - Taiwan tai - M - NE - DI [41]
<i>Argyrops spinifer</i> (Forsskal, 1775) - King soldierbream - M - LC - DI [41]
<i>Rhabdosargus sarba</i> (Gmelin 1789) - Goldlined seabream - B,M - LC - SU, DI [38, 41]
Family: Nemipteridae (threadfin breams and spinycheeks)
<i>Nemipterus bipunctatus</i> (Valenciennes 1830) - Delagoa threadfin bream - M - LC - SU, DI [39, 41]
<i>Nemipterus japonicus</i> (Bloch 1791) - Japanese threadfin bream - M - LC - SU, DI [39, 41]
<i>Nemipterus nematophorus</i> (Bleeker, 1854) - Doublewhip threadfin bream - M - LC - DI [136]
<i>Nemipterus peronii</i> (Valenciennes 1830) - Notchedfin threadfin bream - B,M - LC - SU, DI [39, 41]
<i>Nemipterus randalli</i> Russell 1986 - Randall's threadfin bream - M - LC - DI [136]
<i>Parascolopsis aspinosa</i> (Rao & Rao, 1981) - Smooth dwarf monocle bream - M - LC - DI [136]
<i>Scolopsis vosmeri</i> (Bloch, 1792) - Whitecheek monocle bream - M - LC - DI [136]
Family: Sciaenidae (croakers and drums)
<i>Bahaba chaptis</i> (Hamilton 1822) - Chaptis bahaba - B,M - DD - SU [38]
<i>Chrysochir aureus</i> (Richardson 1846) - Reeve's croaker - B,M - NE - SU [38]
<i>Daysciaena albida</i> (Cuvier 1830) - Bengal corvina - B,M - NE - SU [38]
<i>Dendrophysa russellii</i> (Cuvier 1829) - Goatee croaker - F,B,M - NE - SU [38]
<i>Johnius belangerii</i> (Cuvier 1830) - Belanger's croaker - B,M - NE - SU, DI [38, 41]
<i>Johnius borneensis</i> (Bleeker 1851) - Sharpnose hammer croaker - F,B,M - NE - SU, DI [39, 41]
<i>Johnius carouna</i> (Cuvier, 1830) - Caroun croaker - M - NE - DI [41]
<i>Johnius carutta</i> Bloch, 1793 - Karut croaker - F,B,M - LC - DI [41]
<i>Johnius coitor</i> (Hamilton 1822) - Coitor croaker - F,B,M - LC - SU [38]
<i>Johnius dussumieri</i> (Cuvier 1830) - Sin croaker - B,M - NE - SU, DI [39, 41]
<i>Johnius gangeticus</i> Talwar 1991 - F,B - NE - SU [38]
<i>Johnius macropterus</i> (Bleeker 1853) - Largefin croaker - M - NE - SU [39]
<i>Johnius macrorhynchus</i> (Lal Mohan 1976) - Big-snout croaker - M - NE - SU [39]
<i>Macropsiposa cuja</i> (Hamilton 1822) - B,M - NE - SU, DI [38, 41]
<i>Nibea coibor</i> (Hamilton 1822) - B,M - NE - SU [38]
<i>Nibea maculata</i> (Bloch & Schneider 1801) - Blotched croaker - M - NE - SU, DI [38, 41]
<i>Nibea soldado</i> (Lacepède 1802) - Soldier croaker - B,M - NE - SU [38]
<i>Otolithes cuvieri</i> Trewavas 1974 - Lesser tigertooth croaker - M - NE - SU [39]
<i>Otolithes ruber</i> (Bloch & Schneider 1801) - Tigertooth croaker - B,M - NE - SU, DI [39, 41]
<i>Otolithoides biauritus</i> (Cantor 1849) - Bronze croaker - M - NE - SU [39]
<i>Pama pama</i> (Hamilton 1822) - Pama croaker - F,B,M - NE - SU, DI [39]
<i>Panna heterolepis</i> Trewavas 1977 - Hooghly croaker - M - NE - SU [39]
<i>Panna microdon</i> (Bleeker 1849) - Panna croaker - B,M - NE - SU, DI [39, 41]
<i>Pennahia aneus</i> (Bloch 1793) - Donkey croaker - M - NE - SU [39]
<i>Pennahia macrocephalus</i> (Tang, 1937) - Big-head pennah croaker - M - LC - DI [41]
<i>Protonibea diacanthus</i> (Lacepède 1802) - Blackspotted croaker - B,M - NE - SU, DI [39, 41]
<i>Pterotolithus maculatus</i> (Cuvier 1830) - Blotched tiger-toothed croaker - B,M - LC - SU, DI [39, 41]
Family: Monodactylidae (Moonyfishes or fingerfishes)
<i>Monodactylus argenteus</i> (Linnaeus, 1758) - Silver moony - F,B,M - LC - DI [41]
Family: Cepolidae (Bandfishes)
<i>Acanthocephala limbata</i> (Valenciennes, 1835) - Blackspot bandfish - M - NE - Petuaghat [137]
Family: Lobotidae (tripletails and tigerperches)
<i>Datnioides polota</i> (Hamilton 1822) - F,B - LC - SU, DI [38, 41]
<i>Haplogeny bengalensis</i> Mohapatra, Ray & Kumar, 2013 - Indian velvetfin - M - NE - DI [25]
<i>Lobotes surinamensis</i> (Bloch, 1790) - Tripletail - B,M - LC - DI [41]
Family: Pomacanthidae (Angelfishes)
<i>Pomacanthus annularis</i> (Bloch, 1787) - Bluering angelfish - M - LC - DI [138]
<i>Pomacanthus imperator</i> (Bloch, 1787) - Emperor angelfish - M - LC - DI [138]
<i>Pomacanthus semicirculatus</i> (Cuvier, 1831) - Semicircle angelfish - M - LC - DI [138]
Family: Drepaneidae (sicklefishes)
<i>Drepane longimana</i> (Bloch & Schneider 1801) - Concertina fish - M - NE - SU, DI [38, 41]
<i>Drepane punctata</i> (Linnaeus 1758) - Spotted sicklefish - B,M - NE - SU, DI [38, 41]

Family: Chaetodontidae (Butterflyfishes)

Heniochus acuminatus (Linnaeus, 1758) - Pennant coralfish - B,M - C - DI [139]

Family: Ehippidae (spadefishes and batfishes)

Ehippus orbis (Bloch 1787) - Orbfish - M - NE - SU, DI [39, 41]

Platax pinnatus (Linnaeus, 1758) - Dusky batfish - M - NE - DI [41]

Platax teira (Forsskål 1775) - Longfin batfish - M - NE - Bali Island, DI [117, 41]

Family: Leiognathidae (ponyfishes or slipmouths)

Aurigequula fasciata (Lacepède 1803) - Striped ponyfish - B,M - LC - SU, DI [38, 41]

Eubleekeria splendens (Cuvier 1829) - Splendid ponyfish - B,M - LC - SU, DI [38, 41]

Gazza minuta (Bloch 1795) - Toothpony - B,M - LC - SU [38]

Karalla daura (Cuvier 1829) - Goldstripe ponyfish - M - NE - SU, DI [39, 41]

Karalla dussumieri (Valenciennes 1835) - Dussumier's ponyfish - B,M - NE - SU [38]

Leiognathus equula (Forsskål 1775) - Common ponyfish - F,B,M - LC - Jamboo, Dabu, Dhanchi, Kalas, DI [42, 41]

Leiognathus ruconius (Hamilton 1822) - Deep pugnose ponyfish - F,B,M - NE - Matla Thakuran, Netidhopani, DI [42, 41]

Nuclequula blochii (Valenciennes 1835) - Twoblotch ponyfish - B,M - NE - Haldibari, Jharkhali, Dhanchi, DI [42, 41]

Nuclequula gerreoides (Bleeker 1851) - Decorated ponyfish - M - NE - SU [38]

Photopectoralis bindus (Valenciennes 1835) - Orange fin ponyfish - B,M - NE - SU, DI [38, 41]

Deveximentum insidiator (Bloch 1787) - Pugnose ponyfish - B,M - NE - SU, DI [38, 41]

Family: Scatophagidae (scats)

Scatophagus argus (Linnaeus 1766) - Spotted scat - F,B,M - LC - SU, DI [38, 41]

Family: Siganidae (rabbitfishes)

Siganus canaliculatus (Park 1797) - White-spotted spinefoot - B,M - LC - SU, DI [38, 41]

Siganus javus (Linnaeus 1766) - Streaked spinefoot - B,M - LC - SU, DI [38, 41]

Siganus vermiculatus (Valenciennes, 1835) - Vermiculated spinefoot - B,M - LC - DI [41]

Family: Acanthuridae (Surgeonfishes, tangs, unicornfishes)

Acanthurus lineatus (Linnaeus, 1758) - Lined surgeonfish - M - LC - DI [41]

Acanthurus mata (Cuvier, 1829) - Elongate surgeonfish - M - LC - DI [41]

Acanthurus triostegus (Linnaeus, 1758) - Convict surgeonfish - M - LC - WB [1]

Acanthurus tristis Randall, 1993 - Indian Ocean mimic surgeonfish - M - LC - DI [41]

Naso reticulatus Randall, 2001 - Reticulate unicornfish - M - DD - DI [140]

Order: Lophiiformes (Anglerfishes)

Family :Ogcocephalidae (Batfishes)

Halieutaea stellata (Vahl, 1797) - Minipizza batfish - M - LC - DI [41]

Family: Antennariidae (Frogfishes)

Antennarius hispidus (Bloch & Schneider 1801) - Shaggy angler - M - NE - SU, DI [39, 141]

Order: Tetraodontiformes

Family: Triacanthidae (triplespines)

Pseudotriacanthus strigilifer (Cantor 1849) - Long-spined tripodfish - M - NE - SU [38]

Triacanthus biaculeatus (Bloch 1786) - Short-nosed tripodfish - B,M - NE - SU, DI [38, 41]

Triacanthus nieuhofii Bleeker, 1852 - Silver tripodfish - M - NE - SH, Kakdwip [142, 6]

Trixipichthys weberi (Chaudhuri, 1910) - Blacktip tripodfish - M - NE - WB [1]

Family: Molidae (Molas or Ocean Sunfishes)

Mola mola (Linnaeus, 1758) - Ocean sunfish - M - VU - DI [143]

Ranzania laevis (Pennant, 1776) - Slender sunfish - M - LC - WB [1]

Family: Diodontidae (Porcupinefishes (burrfishes))

Diodon hystrix Linnaeus, 1758 - Spot-fin porcupinefish - M - LC - DI, Fresarganj [41, 144]

Diodon liturosus Shaw, 1804 - Black-blotched porcupinefish - M - NE - WB [1]

Family: Tetraodontidae (puffers)

Arothron hispidus (Linnaeus, 1758) - White-spotted puffer - M - LC - Fresarganj Harbour [145]

Arothron immaculatus (Bloch & Schneider 1801) - Immaculate puffer - B,M - LC - SU, DI [39, 41]

Arothron nigropunctatus (Bloch & Schneider 1801) - Blackspotted puffer - M - LC - SU, DI [39, 41]

Arothron stellatus (Anonymous 1798) - Stellate puffer - M - LC - SU, DI [39, 41]

<i>Chelonodontops bengalensis</i> Habib, Neogi, Oh, Lee & Kim 2018 - M - NE - DI [146]
<i>Chelonodon patoca</i> (Hamilton, 1822) - Milkspotted puffer - F,B,M - LC - SU, DI [38, 41]
<i>Dichotomyctere fluviatilis</i> (Hamilton 1822) - Green pufferfish - F,B - LC - Basanti, Sagar, DI [57, 41]
<i>Lagocephalus inermis</i> (Temminck & Schlegel 1850) - Smooth blaasop - M - LC - SU, DI [39, 41]
<i>Lagocephalus lunaris</i> (Bloch & Schneider 1801) - Lunartail puffer - B,M - LC - SU, DI [38, 41]
<i>Lagocephalus sceleratus</i> (Gmelin 1789) - Silver-cheeked toadfish - M - LC - SU, DI [39, 41]
<i>Lagocephalus spadiceus</i> (Richardson 1845) - Half-smooth golden pufferfish - B,M - LC - Bali Island [117]
<i>Leiodon cutcutia</i> (Hamilton 1822) - Ocellated pufferfish - F,B - LC - Basanti, Sagar [57]
<i>Takifugu oblongus</i> (Bloch 1786) - Lattice blaasop - B,M - LC - SU, DI [38, 41]
Family: Ostraciidae (boxfishes)
<i>Ostracion cubicum</i> Linnaeus, 1758 - Yellow boxfish - M - NE - DI [41]
<i>Ostracion nasus</i> Bloch 1785 - Shortnose boxfish - M - NE - SU [39]
Family: Monacanthidae (Filefishes)
<i>Aluterus monoceros</i> (Linnaeus, 1758) - Unicorn leatherjacket filefish - M - LC - DI [41]
Family: Balistidae (triggerfishes)
<i>Abalistes stellatus</i> (Anonymous, 1798) - Starry triggerfish - M - NE - DI [147]
<i>Balistapus undulatus</i> (Park, 1797) - Orange-lined triggerfish - M - NE - DI [147]
<i>Balistes rotundatus</i> Marion de Procé 1822 - M - LC - SU [39]
<i>Balistoides viridescens</i> (Bloch & Schneider, 1801) - Titan triggerfish - M - NE - DI [147]
<i>Canthidermis maculata</i> (Bloch, 1786) - Rough triggerfish - M - LC - DI [147]
<i>Canthidermis rotundatus</i> (Marion de Procé, 1822) - M - LC - WB [1]
<i>Odonus niger</i> (Rüppell, 1836) - Red-toothed triggerfish - M - NE - DI [147]
<i>Sufflamen fraenatum</i> (Latreille, 1804) - Masked triggerfish - M - LC - DI [147]
(F - Freshwater; B - Brackish; M- Marine; CR - Critically Endangered; EN - Endangered; NT - Near Threatened; VU - Vulnerable; LC - Least Concern; DD - Data Deficient; NE - Not Evaluated; SU - Sunderban; DI - Digha; SH - Shankarpur; WB - West Bengal)

3. RESULTS

A checklist of 894 species of fishes belonging to 451 genus 152 families and 36 orders has been reported from the state of West Bengal. 61 species of fishes are elasmobranchs belonging to 38 genus, 20 families and 6 orders. Order Myliobatiformes is the most diverse order (21 species, 14 genus, 6 families) following Carcharhiniformes (15 species, 10 genus, 4 families), Rhinopristiformes (12 species, 6 genus, 4 families), Orectolobiformes (7 species, 4 genus, 3 families), Torpediniformes (5 species, 3 genus, 2 families) and Echinorhiniformes (1 species). Rest of the 833 species belongs to the ray-finned group of fishes. The most diverse order is Acanthuriformes (120 species, 55 genus, 19 families) following Cypriniformes (117 species, 42 genus, 7 families), Siluriformes (98 species, 43 genus, 12 families), Carangiformes (91 species, 48 genus, 17 families), Gobiiformes (60 species, 43 genus, 2 families), Perciformes (51 species, 27 genus, 10 families), Clupeiformes (51 species, 21 genus, 6 families), Anguilliformes (47 species, 24 genus, 6 families), Tetraodontiformes (32 species, 22 genus, 7 families), Anabantiformes (30 species, 6 genus, 5 families), Beloniformes (28 species, 15 genus,

5 families), Syngnathiformes (23 species, 10 genus, 5 families), Scombriformes (14 species, 9 genus, 5 families), Mugiliformes (14 species, 8 genus, 1 families), Synbranchiformes (9 species, 6 genus, 3 families), Cichliformes (8 species, 5 genus, 3 families), Kurtiformes (7 species, 5 genus, 2 families), Aulopiformes (7 species, 4 genus, 1 families), Blenniiformes (5 species, 2 genus, 1 families), Holocentriformes (3 species, 2 genus, 1 families), Centrarchiformes (3 species, 1 genus, 1 families). Order Elopiformes, Gadiformes, Acropomatiformes, Lophiiformes have been represented by 2species, 2 genus and 2 families respectively. Order Osteoglossiformes has been represented by 2species, 2 genus and 1 family. Order Gonorynchiformes, Ophidiiformes, Batrachoidiformes, Cyprinodontiformes have been represented by only one species each. Family wise Cyprinidae, Gobiidae and Carangidae are the diverse families and these contribute almost 6%, 5.5% and 5% respectively of the overall fish fauna.

Conservation wise 0.78 % of the reported species belong to the critically endangered category, 1.9% in the endangered category, 3.24% in the vulnerable category, 4.02% in the near threatened category. Almost 50% of the

reported fish fauna belongs to the least concern group and 8% are recorded in data deficient category whereas almost 27% of the reported fauna is not evaluated by IUCN.

Out of the 894 species reported, two species, *T. sumatrensis* and *D. brachynotopterus*, are specifically found in brackish water habitats and not in marine or freshwater environments. Interestingly, approximately 33% of the reported species can be categorized as purely marine species. Around 24% of the recorded fishes are classified as freshwater species, while 23% are found in both marine and brackish regions. Additionally, 7% of the reported species inhabit freshwater and brackish water areas, and 11% are observed across all three habitats.

4. DISCUSSION

Fishes, known as the most diverse group of vertebrates globally, continue to increase in species count as new discoveries are made in various habitats worldwide and presently species count is 36,552 [148]. As of 2021, a total of 3496 fish species have been documented in India, which represents nearly 10% of the globally accepted diversity of fishes [149]. Surprisingly, within a span of just one year, India's fish inventory has seen the addition of approximately 24 new fish species, which proves the previous fact [149]. West Bengal, located at the bottleneck of northeastern India, is geographically divided into North Bengal and South Bengal by the Ganga-Padma basin. North Bengal is characterized by several rivers and tributaries in its northern region, while South Bengal is adorned with numerous wetlands and estuaries in the Gangetic plains. This makes West Bengal an incredibly rich region for aquatic biodiversity. In comparison to other coastal states in India, West Bengal possesses approximately 4.22 lakh hectares of open water resources, 4.36 hundred thousand hectares of closed water systems, a 157-kilometer-long coastal stretch, and a continental shelf spanning an area of 17049 square kilometers [150]. Remarkably, the state of West Bengal alone accounts for 894 fish species, which is approximately 26% of the reported fish fauna in India. In terms of fisheries production, West Bengal holds the fourth position, contributing 16.52 hundred thousand tons of freshwater fishes, which accounts for nearly 14% of the national production. However, when it comes to marine fish production, West Bengal ranks seventh, producing 1.91 hundred thousand tons, which represents around 5% of the national production [151].

The fish diversity in West Bengal is contributed by several important habitats, which can be categorized into four main parts. Firstly, the Ganga River basin supports over 140 economically significant fish species across its various stretches [152]. Secondly, the Sunderban Biosphere Reserve, located in the southernmost part of West Bengal, plays a crucial role. The interconnected estuarine channels within the mangroves serve as important nurseries and breeding grounds for numerous anadromous and catadromous fish species. Recent studies by Mishra and Gopi, as well as Danda et al. in 2017, have reported a total of 350 and 365 fish species, respectively, within this extensive estuarine system [38, 39]. Additionally, the present review work confirms the presence of 553 species of freshwater, brackish, and marine fishes (exclusively freshwater species - 85; exclusively marine species - 142; exclusively brackish water species - 2; found from fresh to brackish water areas - 55; found from brackish to marine water areas - 175; euryhaline species - 94) in the Sundarbans Biosphere Reserve area. Out of these, 85 fishes are typically freshwater species, 142 are purely marine species, and the remaining fishes inhabit brackish water environments. Notably, 59 of these reported species are listed in the IUCN Red Data Book (CR - 5; EN - 10; VU - 21; NT - 23). The third significant habitat is the East Calcutta Wetland (EKW), situated in the southern part of Kolkata city and covering an area of 125 square kilometers. EKW was declared as one of the Ramsar sites in India in 2012. There are 254 sewage-fed fisheries located in EKW, which play a crucial role in meeting the fish demands of Kolkata. A total of 50 indigenous fish species have been observed in EKW [153].

The fourth noteworthy habitat, known for its biodiversity and marine fisheries production, is the fish landing centers in the districts of 24 Parganas and Purba Midnapore. These sites are the only marine fish landing sites in West Bengal [150]. According to the comprehensive study conducted by Yennawar et al. in 2015, 322 fish species have been reported from Digha and its neighboring regions [41]. Based on the available data, in this present study the coastal areas of West Bengal, excluding the estuarine ecosystem, have reported a total of 450 brackish and purely marine fish species.

The current focus lies on preserving the existing diversity and addressing the gaps in our knowledge for better conservation efforts in the future. One of the primary reasons contributing to

the loss of diversity is habitat destruction caused by various factors such as damming, deforestation in mangrove areas, and industrialization. These activities render the natural habitats of these fishes unsuitable for their growth, while also blocking their migration paths [154]. Additionally, wanton killing by poison, electric shock, and catching juvenile fish for financial benefit is a cruel fact behind diversity loss [155]. It is astonishing to note that the catch of a single tiger shrimp seed from the wild results in the loss of approximately 400 other aquatic animal seeds [156]. Abrupt climatic changes, sea level rise, changes in oceanic current, stocking of exotic fishes and overexploitation to fill in the huge market demand are also severely affecting the natural biodiversity [150].

5. CONCLUSION

894 species of fishes belonging to 451 genus 152 families and 36 orders has been reported from the state of West Bengal. Fishes play an important role in the food chain and help to maintain the health of ecosystems. Some species are keystone species, which means that their removal can have a cascading effect on the entire ecosystem. Only 30% of the available ichthyofauna is considered as food fish and have good economic value but due to lack of awareness among the common people, rest of the diversity is mostly treated as trash and while catching or culturing of commercially valuable species, this indigenous diversity is losing its potential of rejuvenation making this a great concern for the conservationists. It is alarming that 27% of the fish species in West Bengal have not been evaluated by the IUCN, and another 8% are data deficient. This means that we do not know much about the status of these species, and they could be at risk of extinction. There have been several studies on the ichthyofaunal diversity of West Bengal in the past century but understanding the present status of these fishes should be the point of focus for future conservational efforts, therefor this dataset has been presented to continue future studies for recording the distribution as well as update the status of these reported fishes from West Bengal.

ACKNOWLEDGEMENTS

The authors wish to thank Director, Zoological Survey of India, Kolkata for support and encouragement and also thank the Ministry of Environment, Forests and Climate Change, Government of India for funding this study.

COMPETING INTERESTS

Authors have declared that no competing interests exist.

REFERENCES

1. Sanyal AK, Alfred JRB, Venkataraman K, Tiwari SK, Mitra S. Status of Biodiversity of West Bengal. Director, Zoological Survey of India, Kolkata. 2012;969.
2. Bandyopadhyay S, Kar NS, Das S, Sen J. River Systems and Water Resources of West Bengal: A Review. Geological Society of India Special Publication. 2014;3:63-84.
3. Government of West Bengal. Fisheries Department, Fishery resources Profiles: Inland Resources; 2023. Available:<http://www.bengalfisheriesinvestment.org/overview.html>
4. Mogalekar HS, Canciyal J, Ansar CP, Bhakta D, Biswas I, Kumar D. Freshwater fish diversity of West Bengal, India. Journal of Entomology and Zoology Studies. 2017;5(2):37-45.
5. Tudu PC, Ghorai N, Yennawar P, Balakrishnan S. Marine and estuarine mollusc of West Bengal coast: An overview. Records of the Zoological Survey of India. 2018;118(3):217-41.
6. Sen A, Sreeraj CR, Raghunathan C. Four new additions to the ichthyofauna of indian sunderban. Journal of Global Ecology and Environment. 2021;11(2):22-9.
7. Hamilton F. An account of the fishes found in the river Ganges and its branches. Archibald Constable and Company, Ediburgh. 1822;405.
8. Shaw GE, Sheebbeare EO. The fishes of Northern Bengal. Journal of royal Asiatic Society, Bengal Science. 1937;137:6.
9. Sen TK. Freshwater Fish. Fauna of West Bengal. State Fauna Series. Director, Zoological Survey of India, Kolkata. 1992;3(2):101-242.
10. Menon AGK. Threatened Fishes of India and their Conservation. Zoological Survey of India, Govt. of India. 2004;170.
11. Menon AGK. Checklist of the Freshwater Fishes of India. Records of Zoological Survey of India. 1999; Occasional paper no 175:366.
12. Molur S, Walker S (eds). Report of the workshop Conservation Assessment and Management Plan for freshwater Fishes of India. Zoo Outreach Organization,

- Coimbatore Breeding Specialist Group, Coimbatore, India. 1998;156.
13. Manna BU, Goswami BC. A checklist of marine and estuarine fishes of Digha, West Bengal, India. *Mahasagar*. 1985;18(4):489-99.
14. Goswami BC. Marine fauna of Digha coast of West Bengal, India. *Journal of Marine Biological Association of India*. 1992;34(1-2):115-37.
15. Chatterjee TK. Fish and fisheries of Digha coast of West Bengal. *Records of Zoological Survey of India*. 2000; Occasional paper no 188:87.
16. Bhakat S, Sinha AK. A new sisorid catfish of the genus *Gagata*, Bleeker, 1858 from West Bengal, India. *International journal of fisheries and aquatic studies*. 2019;7(1):274-9.
17. Britz R. *Danionella priapus*, a new species of miniature cyprinid fish from West Bengal, India (Teleostei: Cypriniformes: Cyprinidae). *Zootaxa*. 2009;2277(1):53-60.
18. Britz R. *Channa andrao*, a new species of dwarf snakehead from West Bengal, India (Teleostei: Channidae). *Zootaxa*. 2013;3731(2):287-94.
19. Chatterjee TK, Mishra SS. A new genus and new species of gobioid fish (Gobiidae: Gobionellinae) from Sunderbans, India. *Records of the Zoological Survey of India*. 2012;112(4):85-8.
20. Conway KW, Dittmer DE, Jezisek LE, Ng HH. On *Psilorhynchus sucatio* and *P. nudithoracicus*, with the description of a new species of *Psilorhynchus* from northeastern India (Ostariophysi: Psilorhynchidae). *Zootaxa*. 2013;3686(2):201-43.
21. Dey A, Nur R, Raychowdhury B, Sarkar D, Singh LK, Barat S. A new ornamental species of snakehead fish (Teleostei: Channidae) from River Torsa of West Bengal, India. *International Journal of Pure and Applied Biosciences*. 2019;6(6):497-503.
22. Dey A, Roy Chowdhury B, Nur R, Sarkar D, Kosygin L, Barat S. *Channa amari*, a new species of snakehead (Teleostei: Channidae) from North Bengal, India. *International Journal of Pharmacy and Biological Sciences*. 2019;9:299-304.
23. Knight JD. *Pethia aurea* (Teleostei: Cyprinidae), a new species of barb from West Bengal, India, with redescription of *P. gelius* and *P. canius*. *Zootaxa*. 2013;3700:173-84.
24. Kosygin L, Shangningam B, Singh P, Das U. *Garra jaldhakaensis*, a new cyprinid fish (Teleostei: Cyprinidae) from West Bengal, India. *Records of the Zoological Survey of India*. 2021;121(3):325-31.
25. Mohapatra A, Ray D, Kumar V. A new fish species of the Genus *Hapalogenys* (Perciformes: Hapalogenyidae) from the Bay of Bengal, India. *Zootaxa*. 2013;3718:367-377.
26. Mohapatra A, Ray D, Smith DG, Mishra SS. A new species of elongate unpatterned moray eel of the genus *Gymnothorax* (Muraenidae: Muraeninae) from the Bay of Bengal. *Zootaxa*. 2016;4150(5):591-598.
27. Mohapatra A, Smith DG, Ray D, Mishra SS, Mohanty SR. *Gymnothorax pseudotile* sp. nov. (Muraenidae: Muraeninae) from Bay of Bengal India. *Zootaxa*. 2017;4286(4):586-592.
28. Mohapatra A, Ray D, Mohanty SR, Mishra SS. *Ophichthus kailashchandrai* sp. nov. (Anguilliformes: Ophichthidae): a new species of snake eel from Indian waters, Bay of Bengal. *Zootaxa*. 2020;4728(2):zootaxa.4728.2.9. DOI:10.11646/zootaxa.4728.2.9.
29. Mohapatra A, Mohanty SR, Ray D, Mishra SS, Seth JK. A new species of the genus *Cirrhimuraena* (Anguilliformes: Ophichthidae) from the Bay of Bengal, India. *Journal of Fish Biology*. 2021;98(5):1363-1370.
30. Mohapatra A, Ho HC, Acharya S, Ray D, Mishra SS. A new Congrid eel, *Rhynchoconger smithi* sp. nov. (Anguilliformes: Congridae), from the Bay of Bengal, India. *Journal of Fish Biology*. 2022;100(6):1335-1344.
31. Ng HH. *Pseudolaguvia ferula*, a new species of sisorid catfish (Teleostei: Erethistidae) from India. *Zootaxa*. 2006;1229(1):59-68.
32. Ng HH, Lalramliana. *Glyptothorax radiolus*, a new species of sisorid catfish (Osteichthyes: Siluriformes) from northeastern India, with a redescription of *G. striatus* McClelland 1842. *Zootaxa*. 2013;3682:501-512.
33. Ng HH, Wright JJ. *Amblyceps cerinum*, a new catfish (Teleostei: Amblycipitidae) from northeastern India. *Zootaxa*. 2010;2672(1):50-60.
34. Ray D, Mohapatra A, Smith DG. A new species of Short Brown Unpatterned Moray Eel of the Genus *Gymnothorax*

- (Anguilliformes: Muraenidae) from the Bay of Bengal. Zootaxa. 2015;4027(1):140-144.
35. Schafer F. *Oreichthys crenuchoides*, a new cyprinid fish from West Bengal, India. Ichthyological Exploration of Freshwaters. 2009;20(3):201-211.
36. Valdesalici S, Van der voort S. Four new species of the Indo-Burmese genus *Badis* from West Bengal, India (Actinopterygii: Perciformes: Badidae). Zootaxa. 2015;3985(3):391-408.
37. Valdesalici S, Van der voort S. *Badis laspiophilus*, a new miniature addition to the ichthyofauna of West Bengal, north-eastern India, with observations on its ecology and preliminary notes on its ethology (Actinopterygii: Perciformes: Badidae). Zootaxa. 2015;3986(2):193-200.
38. Mishra SS, Gopi KC. Fish diversity of Indian Sundarban. Fauna of Sundarban Biosphere Reserve. Zoological Survey of India, Kolkata. 2017;107-127.
39. Danda AA, Joshi AK, Ghosh A, Saha R. State of art report on biodiversity in Indian Sundarbans. World Wide Fund for Nature-India, New Delhi. 2017.
40. Kar A, Raut SK, Bhattacharya M, Patra S, Das BK, Patra BC. Marine fishes of West Bengal coast, India: Diversity and conservation preclusion. Regional Studies in Marine Science. 2017;16:56-66.
41. Yennawar P, Mohapatra A, Ray D, Tudu P. Chapter 15 - Ichthyofauna of Digha Coast, India. In: Venkataraman K, Sivaperuman C (Eds). Marine Faunal Diversity in India. Academic Press. 2015;235-248.
42. Khan RA. Fish faunal resources of Sunderban estuarine system with special reference to the biology of some commercially important species. Director, Zoological Survey of India. 2002; Occasional paper no 209:1 -150.
43. Ray D, Mohapatra A. First Report of a Rare Shark *Echinorhinus brucus* (Bonnaterre, 1788) from The Northern Part of East Coast of India. Journal of the Bombay Natural History Society (JBNHS). 2020;117:10.17087/jbnhs/2020/v117/1229 76.
44. Sen S, Dash G, Kizhakudan SJ, Chakraborty RD, Mukherjee I. New record of the giant freshwater whipray, *Urogymnus polylepis* from West Bengal waters, east coast of India. Ichthyological Exploration of Freshwaters. 2020;30(1):91-95.
45. Ray D, Mohapatra A. First record of two Myliobatid Elasmobranchs from West Bengal, northern east coast of India. Records of the Zoological Survey of India. 2021;120(4):491-494.
46. Mukherjee P. Intertidal Fishes, Hugli Matla Estuary. Estuarine Ecosystem Series. Zoological Survey of India. 1995;2:345-388.
47. Yennawar P, Tudu PC, Ray D, Mohapatra A. New records of two reef fishes *Gymnothorax reticularis*, Bloch, 1795 (Family: Muraenidae) and *Scarus ghobban*, Forsskal, 1775 (Family: Scaridae) from West Bengal coast, India. Records of the Zoological Survey of India. 2013;113(1): 129-35.
48. Yennawar P, Tudu P, Mohapatra A. New record of two species of eels of the genus *Gymnothorax* (Muraenidae) in Digha coast of India. Journal of the Bombay Natural History Society (JBNHS). 2011;108(3):234-235.
49. Mohapatra A, Ray D, Smith DG. First occurrence of the moray eel *Gymnothorax prolatus* Sasaki & Amaoka, 1991 (Teleostei: Anguilliformes: Muraenidae) from the northern Indian Ocean. Marine Biodiversity Records. 2015;8:e106.
50. Chakraborty P, Saren SC, Sengupta A, Mishra SS. Notes on the record of *Gymnothorax pseudotile* Mohapatra et al., 2017 (Muraenidae: Muraeninae) from the Sundarbans, West Bengal, India. Records of the Zoological Survey of India. 2018;118(3):318-21.
51. Ray D, Mohapatra A. First record of the moray eel *Gymnothorax dorsalis* Seale, 1917 (Anguilliformes: Muraenidae) from Indian waters. Indian Journal of Fisheries. 2015;62(4):132-134.
52. Ray D, Mohapatra A, Biswas S, Satpathy KK, Mishra SS. First record of the Evermann's snake eel, *Ophichthus lithinus* (Actinopterygii: Anguilliformes: Ophichthidae), from northern Indian Ocean. Acta Ichthyologica et Piscatoria. 2015;45(1):89-93.
53. Mohapatra A, Ray D, Mishra SS. First record of *Muraenichthys gymnopterus* (Ophichthidae: Myrophinae) from east coast of India, Bay of Bengal. Indian Journal of Geo-Marine Sciences. 2019; 48(3):283-285.
54. Ray D, Mohapatra A. First report of the Snake Eel *Neenchelys cheni* (Chen and Weng, 1967) (Anguilliformes:

- Ophichthidae: Myrophinae) from Indian waters. Indian Journal of Geo-Marine Sciences. 2016;45(2):310-312.
55. Mishra SS, Mohapatra A, Ray D, Mohanty SR, Tudu PC. *Ophichthus chilkensis* Chaudhuri, 1916 (Anguilliformes: Ophichthidae)-resurrection as a valid species from India, with re-description. Zootaxa. 2011;4586(1):zootaxa-4586.
56. Mohapatra A, Ray D, Mohanty SR, Mishra SS. First report of *Ophichthus machidai* (Actinopterygii: Anguilliformes: Ophichthidae) from the Indian Ocean. Acta Ichthyologica et Piscatoria. 2019;49(1):49-51.
57. Dubey SK, Trivedi RK, Chand BK. Indigenous freshwater piscine resources of Indian Sundarban biosphere reserve: status and prospects. World Journal of Fish and Marine Sciences. 2015; 7(1): 21-28.
58. Mohapatra A, Ray D, Mohanaty SR, Mishra SS. First Report of a Snake Eel, *Ophichthus sangjuensis* (Ji and Kim, 2011), (Anguilliformes: Ophichthidae), from Indian Ocean. Thalassas: An International Journal of Marine Sciences. 2020;36:553-555.
59. Mohapatra A, Ray D, Mohanty SR, Mishra SS, Mohanty RK. First record of angry worm eel *Skythrenchelys zabra* (Anguilliformes: Ophichthidae) from the east coast of India. Indian Journal of Geo-Marine Sciences. 2019;48(4):413-415.
60. Roy D, Khatua T, Ray D, Mohapatra A. First Report of Conger Eel (Anguilliformes: Congridae) *Ariosoma majus* (Asano, 1958) From Indian Ocean. Thalassas: An International Journal of Marine Sciences. 2021;37:93-96.
61. Mohanty SR, Ray D, Mishra SS, Mohapatra A. First report of genus *Diploconger* (Congridae: Congrinae) from the Indian coast. Thalassas: An International Journal of Marine Sciences. 2019;35:73-75.
62. Ray D, Mohapatra A, Smith DG, Mishra SS. First record of Genus *Parabathymyrus* Kamohara, 1938 (Anguilliformes: Congridae) from Eastern Indian Ocean. Records of the Zoological Survey of India. 2020;120(1):55-58.
63. Mishra SS, Krishnan S. On the occurrence of *Thryssa kammalensis* (Bleeker) and *Thryssa kammalensoides* Wongratana (Engraulididae: Pisces) from India. Records of the Zoological Survey of India. 1999;97(2):109-111.
64. Biswas S, Mondal K, Haque S. A Review on Present Status, Potentials and Threats of Freshwater Fish Biodiversity of Nadia District, West Bengal, India. International Journal of Scientific Research and Reviews. 2018;7(3):1209-1220.
65. Mishra SS, Pradhan P, Kar S, Chakraborty SK. Ichthyofaunal diversity of Midnapore, Bankura and Hooghly districts, south West Bengal. Record of Zoological Survey of India. 2003; occasional paper no 220:1-65.
66. Dey A, Barat S. Spawning biology and captive breeding of vulnerable loach *Botia histrionica* (Blyth) in Cooch Behar, West Bengal, India. European Journal of Experimental Biology. 2015;5(10):46-48.
67. Jana A, Sit G, Chanada A. Record of *Botia lohachata* chaudhuri, 1912 as indigenous ornamental fish in Paschim Medinipur, West Bengal, India. In: Chandra K, Sharma G, (Eds) Abstracts- National Webinar on Faunal Diversity of India. Zoological Survey of India e publication. Director, Zoological Survey of India. 2020;121.
68. Dey A, Nur R, Sarkar D, Barat S. Ichthyofauna Diversity of River Kaljani in Cooch Behar District of West Bengal, India. International journal of pure applied bioscience. 2015;3(1):247-256.
69. Paul B, Chanda A. A study on small indigenous freshwater fish under family Cobitidae Swainsn, 1836 from Paschim Medinipur, West Bengal, India. International journal of Fauna Biological Studies. 2017;4(4):92-97.
70. Chanda A, Jana A. A comparative review on freshwater fish fauna between West Bengal and Odisha, two middle-east Indian states. Journal of Fisheries. 2021;9(3):Article 93302.
71. Chakraborty S. Review on freshwater fish diversity of Northern West Bengal, India: status, threats and conservation measure. International Research Journal of Biological Sciences. 2018;7(7):39-51.
72. Conway KW, Dittmer DE, Jezisek LE, Ng HH. On *Psilorhynchus sucatio* and *P. nudithoracicus*, with the description of a new species of *Psilorhynchus* from northeastern India (Ostariophysi: Psilorhynchidae). Zootaxa. 2013;3686(2):201-43.
73. Acharjee ML, Barat S. Seasonal dynamics of ichthyodiversity in a hill stream of the

- Darjeeling Himalaya, West Bengal, India. Journal of Threatened Taxa. 2014;6(14):6635-6648.
74. Sahu SK. Pengba, *Osteobrama Belangeri* (Valenciennes, 1844) A Prospective Species For Diversification Of Carp Polyculture System And Suggestions Towards The Adoption Of Scientific Fish Farming In Haldia, West Bengal. International Research Journal of Basic and Applied Sciences. 2020;5:54-58.
75. Barman RP. A review of the freshwater fish fauna of West Bengal, India with suggestions for conservation of the threatened and endemic species. Records of the Zoological Survey of India. 2007; Occasional paper no 263:1-48.
76. Chini DS, Bhattacharya M, Kar A, Malick RC, Patra BC, Patra S, Das BK. Length-weight relationships of three freshwater fish species from Rupnaryan and Kangsabati River, West Bengal, India. Journal of Applied Ichthyology. 2019;35(2):585-586.
77. Barman RP, Das A, Mishra SS, Kar S. Redescription of *Barilus howesi* Barman, 1986, A valid cyprinid species (Pisces: Cypriniformes: Cyprinidae) from North Bengal, India. Records of the Zoological Survey of India. 2011;111(1):31-35.
78. Sengupta S, Homechaudhuri S. Taxonomic and functional diversity of fish assemblage in three interconnected tropical rivers in India in accordance with limiting similarity hypothesis. Journal of Global Biosciences. 2015;4(7):2842-2858.
79. Ng HH. The identity of *Batasio tengana* (Hamilton, 1822), with the description of two new species of *Batasio* from north-eastern India (Teleostei: Bagridae). Journal of fish biology. 2006;68(A):101-118.
80. Buragohain A. Study of absolute fecundity of *Mystus carcio* (Hamilton, 1822) of Puthimari River (Hajo) of Kamrup (R) District of Assam, India. International Journal of Zoology Studies. 2018;3(2):268-270.
81. Ng HH. *Amblyceps carinatum*, a new species of hillstream catfish from Myanmar (Teleostei: Amblycipitidae). The Raffles Bulletin of Zoology. 2005;53:243-249.
82. Ng HH. Two new species of *Pseudolaguvia*, sisorid catfishes (Teleostei: Siluriformes) from northeastern India. Ichthyological Exploration of Freshwaters. 2009;20(3):277.
83. Ray D, Mohapatra A. First Report of Subfamily Ophidiinae Rafinesque, 1810 and Genus *Ophidion* Linnaeus, 1758 (Ophidiiformes: Ophidiidae) from Bay of Bengal, Indian Coastal Water. National Academy Science Letters. 2022;45(3):223-226.
84. Radhakrishnan DP, Kumar RG, Mohitha C, Rajool Shanis CP, Kinattumkara BK, Saidumohammad BV, Gopalakrishnan A. Resurrection and re-description of *Pampus candidus* (Cuvier), silver pomfret from the northern Indian Ocean. Zoological Studies. 2019;58:e7.
85. Ray D, Mohapatra A, Mohanty SR. First report on occurrence of a rare fish, Keeltail Pomfret: *Taractes rubescens* (Jordan and Evermann, 1887) from Northern part of East coast of India. Records of the Zoological Survey of India. 2018;118(2):194-197.
86. Misra KS. An aid to the identification of the common commercial fishes of India and Pakistan. Records of the Zoological Survey of India. 1959;57(1-4):1-320.
87. Pradhan A, Mahapatra BK, Mishra SS. First record of two Cardinalfishes (Perciformes: Apogonidae) from West Bengal, along the North-East coast of India. Indian Journal of Geo Marine Sciences. 2022;51(06):576-579.
88. Pradhan J, Balakrishnan S, Ghosh S, Tudu PC. First record of flower cardinalfish *Ostorhinchus fleurieu* Lacepède, 1802 (Kurtiformes: Apogonidae) from Northern part of the East coast of India. Records of the Zoological Survey of India. 2022;122(3):283-286.
89. Ray D, Mohapatra A, Mishra SS. Rediscovery of *Trichonotus cyclograptus* (Alcock, 1890) after 123 years: A sand diver fish species from Bay of Bengal. Indian Journal of Geo Marine Sciences. 2018;47(04):802-803.
90. Chatterjee TK, Barman RP, Mishra SS. Mangrove associate gobies (Teleostei: Gobioidae) of Indian Sundarbans. Records of the Zoological Survey of India. 2013;113(3):59-77.
91. Hossin SS, Ray D, Mohanty SR, Mohapatra A, Mishra SS. First record of *Butis koilomatodon* (Bleeker, 1849) (Gobiiformes: Eleotridae) from West Bengal, India. Records of the Zoological Survey of India. 2019;119(1):85-87.
92. Yogesh Kumar JS, Panda P, Sen A. New Distributional Record of *Oxyeleotris*

- Urophthalmus* (Bleeker 1851) (Eleotridae: Butinae) from India. *Thalassas: An International Journal of Marine Sciences*. 2022;38(2):1281-1286.
93. Sen A, Sreeraj CR, Raghunathan C. First report of two euryhaline gobiid fishes (gobiidae cuvier, 1816) from West Bengal, India. *Species*. 2023;24:e29s1512.
 94. Sreeraj CR, Sen A. Report on the Occurrence of Two Mangrove Associated Goby Fishes (Acentrogobius; Gobiidae) from Northern Indian Ocean. *Thalassas: An International Journal of Marine Sciences*. 2022;38(1):133-139.
 95. Sit GO, Jana AR, Chanda AN. Gobioid fish of Paschim Medinipur and Jhargram district West Bengal, India. *Uttar Pradesh Journal of Zoology*. 2019;40(4):146-53.
 96. Ray D, Mohapatra A, Larson HK. First record of the shrimp-associate gobiid fish *Cryptocentrus filifer* (Valenciennes) from the Indian coast. *Indian Journal of Geo Marine Sciences*. 2018;47(04):798-801.
 97. Sreeraj CR, Sen A. Report of a Pacific water mangrove goby fish, *Wuhanlinigobius polylepis* (Wu & Ni, 1985) from Indian Sunderban. *FishTaxa*. 2021;22:13-15.
 98. Arunachalam M, Raja M, Nandagopal S, Vijayakumar C, Malaiammal P, Bhat SA. Range Extension of Endangered Earthworm Eel *Pillaia indica* Yazdani, 1972 (Synbranchiformes: Chaudhuriidae) from West Bengal, India. *Research and Reviews: Journal of Ecology and Environmental Sciences*. 2014;2(1):5-8.
 99. Paul A, Das D. Ornamental Fishes of Coochbehar District of West Bengal, India. *International Journal of Science and Research*. 2016;5(11):1827-1832.
 100. Ray D, Mishra SS, Mohapatra A, Ghorai N. Notes on Carangids (Carangiformes: Carangidae) from West Bengal Coast with new records. *Records of the Zoological Survey of India*. 2022;121(4):511- 520.
 101. Talwar PK, Mukherjee P, Saha D, Paul SN, Kar S. Marine and estuarine fishes. In: *Fauna of West Bengal, State Fauna Series*. Director, Zoological Survey of India, Kolkata. 1992;3(2):243-342.
 102. Chandra TK, Goswami A. Cesaro uniform integrability and the strong law of large numbers. *Sankhyā: The Indian Journal of Statistics, Series A*. 1992;1:215-231.
 103. Sen A, Sreeraj CR, Raghunathan C, Chandra K. First report of the fish family Pomacentridae (Damsel fishes) from Sunderban biosphere reserve, India. *International Journal of Fisheries and Aquatic Studies*. 2021;9(1):142-145.
 104. Ray D, Mohapatra A, Mishra SS. First report of five flying fishes (Teleostei: Beloniformes: Exocoetidae) from West Bengal coast. *Indian Journal of Geo Marine Sciences*. 2020;49(09):1560-1564.
 105. Mohapatra A, Tudu PC, Yennawar P. A note on occurrence of yellow-wing flying fish, *Cypselurus poecilopterus* (Valenciennes, 1847) from Digha, east coast of India. *Records of the Zoological Survey of India*. 2012;112(3):119-20.
 106. Sen A, Sreeraj CR. First report of Carnatic rice fish *Oryzias carnaticus* (Jerdon, 1849) (Order: Beloniformes) from Sunderban Biosphere Reserve, West Bengal. *International Journal of Ecology and Environmental Sciences*. 2022;48(4):515-518.
 107. Dutta AL, Dey SK, Chakraborty D, Manna AK, Manna PK. *Oryzias melastigma*-an effective substitute for exotic larvicidal fishes: enhancement of its reproductive potential by supplementary feeding. *Springer Plus*. 2013;2(1):1-5.
 108. Sen A, Panda P, Yogesh Kumar JS. Range Extension of *Omobranchus punctatus* (Valenciennes, 1836) from Sunderban Biosphere Reserve, West Bengal, India. *National Academy Science Letters*. 2023;doi.org/10.1007/s40009-023-01275-2.
 109. Chakraborty P, Yardi K, Sindha P. New record of two Combtooth blennies, *Omobranchus zebra* (Bleeker 1868) and *Omobranchus smithi* (Rao 1974) (Blenniiformes: Blenniidae) from West Bengal, India with a key to species of *Omobranchus* from India. *FishTaxa-Journal of Fish Taxonomy*. 2020;18:23-29.
 110. Mitra S, Mukherjee AK, Chatterjee TK, Ramakrishna. Note on an Intertidal fish *Petroscirtes variabilis* Cantor (Pisces: Blenniidae) from Digha coast of West Bengal. *Proceedings of the 84th Indian Science Congress, Delhi*. 1997;100.
 111. Ray D, Mohapatra A. First report of ten grouper species (Serranidae: Epinephelinae) from the West Bengal coast, along the east coast of India. *Indian Journal of Geo-Marine Sciences*. 2022;49(01):108-117.
 112. Ray D, Roy S, Mohapatra A. First occurrence report of three rare Serranid fishes from northern part of east coast of

- India and a new record from West Bengal coast, India. Species. 2023;24:e10s1010.
113. Yennawar P, Tudu P, Mohapatra A. Occurrence of three red listed species of *Epinephelus* (Perciformes: Serranidae) on Digha coast, India. Journal of Threatened Taxa. 2011;26:2150-2152.
114. Pradhan A, Medhi K, Mahapatra BK, Mishra SS. First Record of Two Labroid Fishes of the Genera *Halichoeres* and *Cheilinus* (Perciformes: Labridae) from Northern Bay of Bengal. Records of the Zoological Survey of India. 2019;119(3):246-250.
115. Pradhan A, Kali Mahapatra B. First record of the Two-Spot Razorfish, *Iniistius bimaclatus* (Perciformes: Labridae) from Digha, North-East Coast of India. Cuadernos de Investigación UNED. 2017;9(1):115-118.
116. Pradhan A, Maji D, Mahapatra BK, Mishra SS. First report of stargazer *Uranoscopus crassiceps* (Alcock, 1890) (Perciformes: Uranoscopidae) from Digha coast, India. Records of the Zoological Survey of India. 2019;119(1):91-94.
117. Chakraborty P, Yardi K, Mukherjee P, Das S. First record of two species of fishes from West Bengal, India and additional new ichthyofaunal records for the Indian Sundarbans. Tijdschrift voor Nederlandsch Indië v. 2020; 7(3): 449-452.
118. Yennawar P, Tudu PC, Mohapatra A. First report of stargazer *Ichthyoscopus lebeck* (Block and Schneider, 1801) from Digha coast, India. Records of the Zoological Survey of India. 2012;112(3):117-118.
119. Ray D, Mohapatra A. First record of *Parapercis ommatura* (Actinopterygii: Perciformes: Pinguipedidae) from the Indian Ocean. Acta Ichthyologica et Piscatoria. 2015;45(4):403-405.
120. Ray D, Mohapatra A. First report of *Parapercis diplospilus* Gomon, 1981: Double spot Grubfish (Family: Pinguipedidae) from Indian waters. Indian Journal of Geo-Marine Science. 2016;45(6):769-771.
121. Ray D, Mohapatra A. First report of two fish species of genus *Pterygotrigla* (Family: Triglidae) from east coast of India. Indian Journal of Geo-Marine Science. 2016;45(6):752-755.
122. Ray D, Mohapatra A. First report of a fish of the family Aploactinidae from West Bengal coast. Records of the Zoological Survey of India. 2018;118(4):437-439.
123. Ray D, Mohapatra A, Tudu PC, Mishra SS. First report of two species of the genus *Minous* Cuvier, 1829 (Scorpaeniformes: Synanceiidae) from Indian coast, with a key for the identification of Indian species. Records of the Zoological Survey of India. 2022;121(4):505-510.
124. Roy S, Ray D, Mohanty SR, Mohapatra A. Occurrence record and range extension of *Ebosia falcata* Eschmeyer & Rama-Rao, 1978 (Scorpaenidae: Pteroinae) from West Bengal and Odisha, India. Indian Journal of Geo-Marine Sciences. 2022;51(03):280-283.
125. Ray D, Mohapatra A. First record of scorpion fish genus *Neomerinthe* Fowler, 1935 (Actinopterygii: Scorpaeniformes: Scorpaenidae) from Indian coast. Indian Journal of Geo-Marine Sciences. 2022;44(8):1224-1228.
126. Panda P, Sen A, Mahapatra P, Kumar JS. First Record of *Pterois russellii* in the Sunderban Biosphere Reserve, India. Journal of Scientific Research and Reports. 2022;28(6):44-48.
127. Ray D, Mishra SS, Mohapatra A. First record of Rama Rao's scorpionfish, *Scorpaenopsis ramaraoi* Randall and Eschmeyer, 2001 (family: Scorpaenidae) from Indian waters. Proceedings of the Zoological Society, Springer India. 2015;68:199-201.
128. Yennawar P, Ray D, Mohapatra A. First record of *Acropoma argentistigma* from Indian waters. Marine Biodiversity Records. 2012;5:e65.
129. Ray D, Khatua T, Roy S, Mohapatra A. First report of *Champsodon capensis* Regan, 1908 (Champsodontidae) from East coast of India. Indian Journal of Geo-Marine Sciences. 2022;51(2):204-207.
130. Mohanty SR, Mohapatra A, Bineesh KK. First Report of *Priacanthus prolixus* Starnes, 1988 (Perciformes: Priacanthidae) from the West Bengal Coast. Records of the Zoological survey of India. 2019;119(3):289-291.
131. Ray D, Mohapatra A. First report of Fusilier Fish family Caesionidae (Perciformes) from Northern part of East coast of India. Records of the Zoological Survey of India. 2017;117(3):295-297.
132. Ray D, Mohapatra A, Mishra SS, Yennawar P, Ghorai N. Snappers (Perciformes: Lutjanidae) of West Bengal coast with eight new records and a key for their identification. Records of the

- Zoological Survey of India. 2017;117(1):39-48.
133. Barman RP, Das A, Mishra SS. On the occurrence of crimson snapper, *Lutjanus erythropterus* (Perciformes: Lutjanidae) from West Bengal, India. Records of the Zoological Survey of India. 2013;113(2):81-84.
134. Das P, De SP, Bhowmik RM, Pandit PK, Sengupta R, Nandi AC, Thakurta SC, Saha S. Piscine diversity of West Bengal. Fishing Chimes. 2007;27(5):15-28.
135. Mishra SS, Saren SC, Sengupta A. First record of *Gerres infasciatus* Iwatsuki and Kimura 1998 (Perciformes: Gerreidae) from North-eastern coast of India. Records of the Zoological Survey of India. 2018;118(2):202-205.
136. Mohapatra A, Tudu PC, Ray D, Yennawar P. First report on the occurrence of four fishes of family: Nemipteridae from Digha on the east coast of India. Records of the Zoological Survey of India. 2013;113(1):145-149.
137. Sen A, Panda P, Kumar JS. First record of black spot band fish: *Acanthocephala limbata* (Valenciennes, 1835) from Northern Bay of Bengal. TAXA. 2023;1:ad23102.
138. Ray D, Yennawar P, Ghorai N, Mohapatra A. Addition of three angelfish (family: Pomacanthidae) to the ichthyofauna of West Bengal, India. Journal of the Bombay Natural History Society. 2012;109(3):209-212.
139. Yennawar P, Ray D, Mohapatra A. Occurrence of pennat coral fish, *Heniochus acuminatus* (Linnaeus, 1758) (Perciformes: Chaetodontidae) along Digha coast, India. Records of the Zoological Survey of India. 2012;112(3):121-122.
140. Mohapatra A, Ray D, Yennawar P. First record of *Naso reticulatus* (Perciformes: Acanthuridae) from Indian waters. Marine Biodiversity Records. 2013;6:e56.
141. Mohapatra A, Tudu P, Yennawar P. First report of a fish from family: Antennariidae (*Antennarius hispidus*) from Digha coastal waters, on the east coast of India. Records of the Zoological Survey of India. 2012;112(2):123-124.
142. Mohanty SR, Mohapatra A, Mishra SS. First Record of *Triacanthus nieuhofii* Bleeker, 1852 (Tetraodontiformes: Triacanthidae) from Northern East Coast of India. Records of the Zoological Survey of India. 2018;118(3):310-313.
143. Ray D, Mohapatra A, Ghorai M, Tudu PC, Mishra SS. First record of a rare sunfish, *Mola mola* (Linnaeus, 1758) from coastal waters of West Bengal, India. Records of the Zoological Survey of India. 2019;119(1):81-84.
144. Bhakta D, Manna RK, Ray A, Nair SM, Kumari K, Samanta S, Das BK. A new record of a spot-fin porcupine fish, *Diodon Hystrix* Linnaeus, 1785 in the Hooghly-Matlah estuary of West Bengal, India. Thalassas: An International Journal of Marine Sciences. 2022;38(2):773-778.
145. Mishra SS, Chakraborty P, Yardi K. New record of white-spotted pufferfish *Arothron hispidus* (Linnaeus, 1758) (Tetraodontiformes: Tetraodontidae) from West Bengal, India, compared with other *Arothron* species occurring in India. Journal of Fisheries. 2021;9(3):93401-93401.
146. Mohapatra A, Mohanty SR, Mishra SS, Tudu PC. First report of *Chelonodontops bengalensis* (Tetraodontiformes: Tetraodontidae) from Indian coast. FishTaxa-Journal of Fish Taxonomy. 2020;16:37-41.
147. Ray D, Mohapatra A. New record of five ornamental triggerfishes (Tetraodontiformes: Balistidae) from West Bengal coast, India. Indian Journal of Geo-Marine Sciences. 2022;49(1):102-107.
148. Fricke R, Eschmeyer WN, R. van der Laan (eds). Eschmeyer's Catalog of fishes: genera, species, references. Available:<http://researcharchive.calacadem y.org/research/ichthyology/catalog/fishcat main.asp>. Electronic version accessed 10 03 2023.
149. Banerjee D, Raghunathan C, Rizvi AN, Das D. Animal Discoveries 2021: New Species and New Records. Director, Zoological Survey of India, Kolkata. 2022;1-232.
150. Mahapatra BK, Sarkar UK, Lakra WS. A Review on status, potentials, threats and challenges of the fish biodiversity of West Bengal. Journal of Biodiversity, Bioprospecting and Development. 2014;2(140):2376-0214.
151. Handbook of Fisheries Statistics. Department of Fisheries, Ministry of Fishery, Animal Husbandry & Dairying, Government of India, New Delhi. 2022;1-198.

152. Vass KK, Mondal SK, Samanta S, Suresh VR, Katiha PK. The environment and fishery status of the River Ganges. *Aquatic Ecosystem Health & Management*. 2010;13(4):385-94.
153. Mahapatra BK, Lakra WS. Indigenous ornamental fish diversity of West Bengal Conservation and Management for sustainability. 23 rd All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources, Guru Nanak College, Chennai. 2012.
154. Lakra WS, Sarkar UK, Kumar RS, Pandey A, Dubey VK, Gusain OP. Fish diversity, habitat ecology and their conservation and management issues of a tropical River in Ganga basin, India. *The Environmentalist*. 2010;30:306-319.
155. Joshi KD, Basheer VS, Kumar A, Srivastava SM, Sahu V, Lal KK. Alien fish species in open waters of India: Appearance, establishment and impacts. *The Indian Journal of Animal Sciences*. 2021;91(3):167-173.
156. Mahapatra BK, Saha D, Dutta NC. Destruction of Shell fish and Fin fish seed resources of the Sundarbans. West Bengal and suggestion of their conservation. *Inland Fish Society, India*. 1995;27:35-39.