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Checklist of freshwater fishes collected from Ernakulam District, Kerala, India

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Aquarium fishes have gained much attention in recent years. Kerala has immense developmental potential in aquarium fishery. Many ichthyological surveys are going on to study the fish fauna of our rivers. The NBSAP (2002) has reported the presence of 159 freshwater fishes in Kerala. Though district wise and river wise diversity studies are going on in Kerala, not much has been recorded on the fresh water fishes in Ernakulam District, Kerala. With this paucity in mind, an attempt has been made to document the freshwater fishes in the rivers of Ernakulam District, Kerala. The systematics of the collected fishes was also studied.

Eleven sampling stations were selected, viz, Angadikkadavu (Station-I) and Chalakkudythode (Station-II) in Chalakkudy River; Ooramana in Muvattupuzha (Station-III), Peruvamuzhy (Station-IV), Vellore near Piravom (Station-V) and Thengode near Idachira, Kakkanad (Station-VI) in Muvattupuzha River; Aluva (Station-VII), Madathumoola near Desom (Station-VIII), Parambepalam (Station-IX), Kalady (Station-X) and Panieli (Station-XI) in Periyar. The streams and channels opening to the various centres were also included for collecting samples.

Monthly collections were made for a period of two years from January 2000 to December 2001. Fishes were collected using cast and scoop nets.

Standard methods (Nelson 1984; Talwar & Jhingran 1991; Jayaram 1999) were used for the classification and identification

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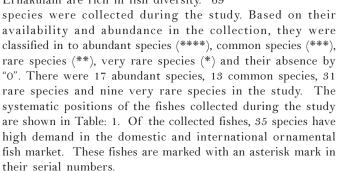
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of fishes. The identification was further confirmed with the Zoological Survey of India.

The study indicates that the rivers in Ernakulam are rich in fish diversity. 69



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Table 1. List of freshwater fishes collected from the rivers of Ernakulam District, Kerala.

		Abun CHA	dance in MUV	rivers PER
Fam	ily Cyprinidae			
1#	Amblypharyngodon melletinus (Valenciennes)	****	****	****
2#	Barilius bakeri Day	**	**	**
3	Barilius canarensis (Jerdon)	*	**	**
4#	Barilius gatensis (Valenciennes)	0	**	**
5#	Chela dadiburjori (Menon)	**	**	**
6#	Chela fasciata Silas	**	**	**
7#	Danio aequipinnatus (Mc Clelland)	****	****	****
8	Danio fraseri (Hora and Mukerji)			*
9	Danio malabaricus (Jerdon)	****	****	****
10	Esomus malabaricus Day	0	*	0
11	Garra gotyla stenorhynchus (Jerdon)	0	*	*
12	Garra mullya (Sykes)	**	**	**
13#	Gonoproktopterus curmuca(Hamilton-Buchanan)	**	**	**
14#	Gonoproktopterus thomassi (Day)	**	0	**
15#	Horadandia attukorali Deraniyagala	****	****	****
16#	Parluciosoma daniconius (Hamilton-Buchanan)	****	****	****
17	Puntius amphibius (Valenciennes)	***	***	***
18	Puntius chola (Hamilton-Buchanan)	**	**	**
19	Puntius crescentus Yazdani & Singh	***	***	0
20	Puntius denisonii (Day)	0	0	**
21#	Puntius fasciatus (Jerdon)	**	**	**
22#	Puntius filamentosus (Valenciennes)	****	****	****
23	Puntius melanostigma (Day)	0	**	**
24	Puntius muvattupuzhaensis Jameela	0	**	**
	Beevi & Ramachandran			
25	Puntius parrah Day	**	**	**
26	Puntius punctatus Day	**	**	**
27#	Puntius sarana sarana (Hamilton-Buchanan)	**	**	**
28	Puntius sarana subnasutus (Valenciennes)	***	***	***
29#	Puntius vittatus Day	****	****	****
30	Salmostoma acinaces (Valenciennes)	**	**	**
31	Salmostoma boopis (Day)	**	**	**
Fam	ily Balitoridae			
32#	Mesonemacheilus triangularis Day	**	0	0

Family Cobitidae 33 [#] Lepidocephalus thermalis (Valenciennes)	***	***	***
Family Bagridae			
34 [#] Horabagrus brachysoma (Gunther)	***	***	***
35 Mystus armatus (Day)	***	***	***
36* Mystus malabaricus (Jerdon)	***	***	***
37# Mystus montanus (Jerdon)	**	**	**
38 Mystus vittatus (Bloch)			
Family Siluridae			
39 [#] Ompok bimaculatus (Bloch)	***	***	***
40 <i>Ompok malabaricus</i> (Valenciennes)	***	***	***
41# Wallago attu (Bloch & Schneider)	*	0	0
Family Heteropneustidae 42* Heteropneustes fossilis (Bloch)	**	*	*
12 Prototophodotoo roccimo (Bicott)			
Family Hemirhampidae			
43 Hyporhampus limbatus (Valenciennes)	**		***
44 Hyporhampus xanthopterus (Valenciennes)	**		**
Family Belonidae			
45 Xenetodon cancila (Hamilton-Buchanan)	***	***	***
46 Strongylura strongylura (van Hasselt)	0	0	*
Frank Astronomy William			
Family Aplocheilidae	****	****	****
47* Aplocheilus blocki (Arnold) 48* Aplocheilus lineatus (Valenciennes)	****	****	****
, , , , , , , , , , , , , , , , , , , ,	****	****	****
49 [#] Aplocheilus panchax (Hamilton & Buchanan)			
Family Chandidae (Ambassidae)			
50 <i>Chanda nama</i> Hamilton & Buchanan	**	**	**
51# Parambassis dayi (Bleeker)	**	**	**
52 [#] Parambassis thomassi (Day)	**	**	**
Family Nandidae 53 Nandus nandus (Hamilton & Buchanan)	***	***	***
F " 0: 1" 1			
Family Cichlidae	****	****	****
54* Etroplus maculatus (Bloch)	****	****	****
55 [#] Etroplus suratensis (Bloch)			
Family Belontidae			
56 [#] Pseudosphromenus cupanus (Valenciennes)	****	****	****
57* Pseudosphromenus dayi Engmann	****	****	****
,			
Family Anabantidae			
58# Anabas testudineus (Bloch)	***	***	***
Family Gobiidae			_
59 Awaous stamineus (Valenciennes)	****	****	****
60 Glossogobius giuris (Hamilton-Buchanan)			
Family Channidae			
61# Channa gachua (Hamilton & Buchanan)	**	**	**
62 <i>Channa marulius</i> (Hamilton-Buchanan)	**	**	**
63# Channa orientalis Bloch & Schneider	***	***	***
64 Channa striatus (Bloch)	***	***	***
, ,			
Family Synbranchidae			
65 Ophisternon bengalense Mc Clelland	0	*	*
Family Mastacembelidae	**	**	
66* Mastacembelus armatus (Lacepede)	**	**	**
67 Mastacembelus guentheri (Day)	**		* *
Family Clupeidae			
68 Dayella malabarica (Day)	0	0	*
55 Dayona malabanba (Day)	Ü	J	
Family Tetraodontidae			
69 [#] Tetraodon travancoricus Hora and Nair	***	****	****

CHA - Chalakkudy River; MUV - Muvattupuzha River; PER - Periyar River; **** - Very common; *** - Common; ** - Rare; * - Very rare; # - in heavy trade

