

Australia. The presence of this species holds parallel to the reports of several Australasian species of Rotifera from northeastern India (Sharma, 2004, 2005; Sharma & Sharma, 2001, 2005) and thus endorses our earlier remarks on the affinities of zooplankton communities of northeastern India with those of Southeast Asia as well as Australia. A careful future examination of Zooplankton collections from this region is likely to add more such interesting micro-faunal elements.

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CHECKLIST OF FISHES OF RAMSAGAR RESERVOIR, DATIA DISTRICT, MADHYA PRADESH, INDIA

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Fish diversity of undivided India and various Indian states has been described by Jerdon (1849), Dutta & Majumdar (1970), Tilak & Hussain (1977), Srivastava (1980), Venkateswarlu & Rao (1980), Johal & Tondon (1981), Kaul *et al.* (1982), Lipton (1983-84), Dutta & Malhotra (1984), Tilak & Baloni (1984), Sen (1985), Johal & Rawal (2000), Meshram & Meshram (2005), Hiware (2006) among others.

Day (1889) described the fishes and their distribution in India including that of Madhya Pradesh. Though, the formal study of fish fauna in Madhya Pradesh starts with the work of D'Abreu (1925), Hora (1940) has listed the fishes of Mahanadi, and Malviya (1961) reported fish fauna of Jabalpur. Dubey & Mehra (1962) described 71 species of fishes from Chambal River. Mishra (1962) and Dubey & Verma (1965) have given a comprehensive account of the fish fauna of India and Pakistan and Madhya Pradesh, respectively. Dwivedi *et al.* (2000) studied the production dynamics and fisheries development in Naktara reservoir in Madhya Pradesh and Shukla *et al.* (2003) described fish biodiversity of Gambhir dam, Ujjain, Madhya Pradesh.

Fish fauna of Gwalior division was described by Agarwal & Saksena (1977). Dubey *et al.* (1980) recorded fish species from Chambal division and Rao *et al.* (1988) recorded fishes of Gandhisagar reservoir. Saxena & Srivastava (1989) studied fish fauna of Kunwari river and reported 46 fish species. In this note, a checklist of fish fauna of Ramsagar reservoir in Datia district is reported for the first time.

Materials and Methods: Ramsagar, a small man-made reservoir (140.09ha) located in Datia district, Madhya Pradesh, is used for different purposes like drinking, irrigation and fisheries. Geographically, the reservoir is located between 25°40'N - 78°23'E. The reservoir is constructed over a Nichrola nallah in the basin of Sindh river.

The studies were conducted during April, 2003 to March, 2005. The fish specimens were collected twice in every season using dragnets, gill nets and ghagara jaal (cast net) taking the help of local fishermen. The small fish specimens were preserved in 8% formaline directly while large fish specimens were dissected for visceral preservation and were then preserved in 8% formaline. The fish specimens were identified up to species level by using the keys provided by Srivastava (1980), Talwar & Jhingran (1991) and Jayaram (1999).

Result and Discussion: The fish diversity recorded was 42

species belonging to six orders, 15 families and 28 genera. Fish fauna of Ramsagar reservoir is dominated by order Cypriniformes (52.38%) with 22 species followed by Siluriformes (26.19%) with 11 species. Order Perciformes (14.29%) is represented by six species while Beloniformes, Symbranchiformes and Osteoglossiformes with 2.38% are represented by one species each (Fig. 1). Fifteen species were identified as commercially important and fetch good market price. The fish caught from the reservoir are sold in Datia fish market and seldom transported to other places. Dubey & Verma (1965) studied fish fauna of Madhya Pradesh and recorded 104 species out of which 50% belonged to the family Cyprinidae. Agarwal & Saksena (1977) reported 48 species with 39.58% cyprinids. Dubey *et al.* (1980) recorded 70 fish species including exotic species from Chambal division out of which the family Cyprinidae alone contributed 45.71%. Rao *et al.* (1988) reported 41 species from Gandhi Sagar reservoir with cyprinids constituting 53.65%. Saxena & Srivastava (1989) recorded 46 species from Kunwari river with 47.82% of the family Cyprinidae. Cyprinids constitute 50% of the fish diversity of Ramsagar reservoir.

List of fish species recorded in the Ramsagar reservoir

Order: Osteoglossiformes

Family: Notopteridae

Genus: *Notopterus* Lacépède

Notopterus notopterus (Pallas)

Order: Cypriniformes

Family: Cyprinidae

Subfamily: Danioninae

Genus: *Salmostoma* Swainson

Salmostoma baccaila (Hamilton-Buchanan)

Salmostoma clupeoides (Bloch)

Barilius Hamilton-Buchanan

Barilius barila (Hamilton-Buchanan)

Barilius bendelisis (Hamilton-Buchanan)

Barilius bola (Hamilton-Buchanan)

Rasbora Bleeker

Rasbora daniconius (Hamilton-Buchanan)

Danio Hamilton-Buchanan

Danio devario (Hamilton-Buchanan)

Subfamily: Cyprininae

Genus: *Tor* Gray

Tor tor (Hamilton-Buchanan)

Puntius Hamilton-Buchanan

Puntius conchonius (Hamilton-Buchanan)

Puntius sarana (Hamilton-Buchanan)

Puntius sophore (Hamilton-Buchanan)

Puntius ticto (Hamilton-Buchanan)

Osteobrama Heckel

Osteobrama cotio cotio (Hamilton-Buchanan)

Catla Valenciennes

Catla catla (Hamilton-Buchanan)

Cirrhinus Oken

Cirrhinus mrigala (Hamilton-Buchanan)

Cirrhinus reba (Hamilton-Buchanan)

Labeo Cuvier

Labeo bata (Hamilton-Buchanan)

Labeo calbasu (Hamilton-Buchanan)

Labeo gonius (Hamilton-Buchanan)

Labeo rohita (Hamilton-Buchanan)

Subfamily: Garrinae

Genus: *Garra* Hamilton-Buchanan

Garra gotyla gotyla (Gray)

Family: Balitoridae

Subfamily: Nemacheilinae

Genus: *Acanthocobitis* Peters

Acanthocobitis botia (Hamilton-Buchanan)

Order: Siluriformes

Family: Bagriidae

Subfamily: Bagrinae

Genus: *Mystus* Scopoli

Mystus bleekeri (Day)

Mystus tengara (Hamilton-Buchanan)

Aorichthys Wu

Aorichthys aor (Hamilton-Buchanan)

Aorichthys seenghala (Sykes)

Family: Siluridae

Genus: *Ompok* Lacépède

Ompok bimaculatus (Bloch)

Wallago Bleeker

Wallago attu (Bloch & Schneider)

Family: Schilbeidae

Subfamily: Schilbeinae

Genus: *Eutropiichthys* Bleeker

Eutropiichthys vacha (Hamilton-Buchanan)

Silonia Swainson

Silonia silondia (Hamilton-Buchanan)

Family: Sisoridae

Genus: *Bagarius* Bleeker

Bagarius bagarius (Hamilton-Buchanan)

Family: Clariidae

Genus: *Clarias* Scopoli

Clarias batrachus (Linnaeus)

Family: Heteropneustidae

Genus: *Heteropneustes* Muller

Heteropneustes fossilis (Bloch)

Order: Beloniformes

Family: Belonidae

Genus: *Xenentodon* Regan

Xenentodon cancila (Hamilton-Buchanan)

Order: Symbranchiformes

Family: Mastacembelidae

Subfamily: Mastacembelinae

Genus: *Mastacembelus* Scopoli

Mastacembelus armatus (Lacépède)

Order: Perciformes

Family: Chandidae (Ambassidae)

Genus: *Chanda* Hamilton-Buchanan

Chanda nama (Hamilton-Buchanan)

Family: Nandidae

Subfamily: Nandinae

Genus: *Nandus* Valenciennes

Nandus nandus (Hamilton-Buchanan)

Family: Gobiidae

Subfamily: Gobiinae

Genus: *Glossogobius* Gill

Glossogobius giuris (Hamilton-Buchanan)

Family: Channidae

Genus: *Channa* (*Ophiocephalus*) Scopoli

Channa marulius (Hamilton-Buchanan)

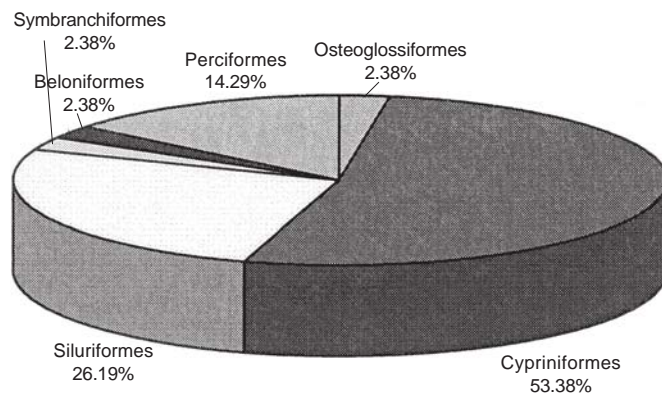
Channa striatas (Bloch)

Channa punctatus (Bloch)

* No exotic fish was caught from Ramsagar reservoir.

Table 1. Fish species richness in Ramsagar reservoir

Sno.	Families	No of Genus	No of Species	% Contribution of families
1.	Cyprinidae	11	21	50.00
2.	Bagriidae	02	04	9.52
3.	Channidae	01	03	7.14
4.	Siluridae	02	02	4.76
5.	Schilbeidae	02	02	4.76
6.	Sisoridae	01	01	2.38
7.	Clariidae	01	01	2.38
8.	Heteropneustidae	01	01	2.38
9.	Belonidae	01	01	2.38
10.	Mastacembelidae	01	01	2.38
11.	Chandidae	01	01	2.38
12.	Nandidae	01	01	2.38
13.	Gobiidae	01	01	2.38
14.	Balitoridae	01	01	2.38
15.	Notopteridae	01	01	2.38
	Total	28	42	

**Figure 1. Percent contribution of different orders of fish in Ramsagar reservoir****REFERENCES**

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