ISSN 2277 - 5730 AN INTERNATIONAL MULTIDISCIPLINARY QUARTERLY RESEARCH JOURNAL

AJANTA

Volume - VIII

Issue - I

Part - II

January - March - 2019

Peer Reviewed Referred and UGC Listed Journal

Journal No. 40776



हानि-विसान विभागत

IMPACT FACTOR / INDEXING 2018 - 5.5 www.sjifactor.com

* EDITOR *

Asst. Prof. Vinay Shankarrao Hatole M.Sc (Maths), M.B.A. (Mktg.), M.B.A. (H.R.), M.Drama (Acting), M.Drama (Prod. & Dir.), M.Ed.

❖ PUBLISHED BY ❖

- 5

Ajanta Prakashan

_Aurangabad. (M.S.)

Assist. Protessor. Shivneri Mahavidhyalaya, Shirur Anantpal, Dist. Latur

S CONTENTS OF PART - II ≪

S. No.	Title & Author	Page No.
1	Effect of Probiotic Diet Supplement on Growth, Digestibility and	1-6
	Nutrient Retention in Channa Gachua Fingerlings	
	Abhayasinh Rameshrao Deshmukh	
	Vishwas S. Shembekar	
2	Myxobolus Tilapiae, Abolarin 1974 (Protozoa: Myxozoa: Myxosporea)	7-12
	in Cultivable Freshwater Fish of Parbhani District (MS) India	
	Deshmukh Shaziya Sultana K.A	
	Ishrat Parveen	
3	Eish and Fisheries of Dongergaon Tank, District Latur, (MS.) India	13-15
	Dr. Rahul Ramesh Jadhav	
4	Isolation and Preliminary Identification of Azotobacter Spp. From	16-24
	Agricultural Soil of Latur Region, Maharashtra	
	Firdous S. Biradar	
	Dr. V. S. Shembekar	
5	Biodiversity of Zooplankton in Jewali Water Tank of Lohara Taluka	25-28
= =	Dist. Osmanabad (MS) India	
	G.T. Rathod	
6	Occurrence of Pseudophyllid Cestode, Senga Chanderashekharii	29-39
	(Redescribed) in Catfish Wallago Attu from Masooli Reservoir,	1
	District Parbhani (M.S)	
	Ishrat Parveen Mohd. Bari	
	Deshmukh Shaziya S.	
	Gaikwad J. M.	
7	Effect of Cardamom on Antibiotic Resistant Staphylococcus aureus	40-45
	Occurred in the Cream of Bakery Product in Latur	
	R. N. Jadhav	1
8	Insilico Physico-Chemical Analysis of Probiotic Spirulina Protein	46-50
	Vyankatesh A. Jadhav	
9	Extraction of Brown Sugar from Sugar Beet	51-55
1.	Chavan Poonam	
P-1	Ratnaparkhi Rutuja	
	Patil Kanchan	

3. Fish and Fisheries of Dongergaon Tank, District Latur, (MS.) India

Dr. Rahul Ramesh Jadhav Shivneri Mahavidyalaya Shirur Anantpal Dist- Latur.

Abstract

The present work deals with the study of fish-fauna and fishery activity of a Dongergaon tank Dist-Latur (M.S.)India. The work was carried out during the year 2017 (January to December).

The Latur District of Marathwada region of Maharashtra having several small and large sized reservoirs i.e. Gharni which are being exploited for aquaculture through fisherman's Cooperative societies supported by State fisheries department.

The present work was made on the Dongergaon tank. In the tank, the fish fauna represented by 18 fish species belonging to four orders. The identification and economic importance is discussed.

Key-words: Fish-Fauna-Fishery-Dongergaon tank.

Introduction

The knowledge scientific information of bio-diversity is essential for sustainable exploitation and conservation of fishery resources. India having 1.37 million hectors water spread area and out which 24400 hectors are under fish cultivation.

In Maharashtra, Latur District is having rich aquatic resources which includes lakes, ponds, tanks (under Krishna Khore and Godavari Khore project) and farm tanks etc. There is a great scope for development in fisheries in the District.

Some Indian workers, donates their contribution in the field of fish diversity and fishery activities. They are Chacko (1954), Dayid (1963), Das (1996) and Baburao and Reddy (1984) etc.

The work was undertaken from the Dongergaon tank to study the fish diversity and fishery activity.

Material and Methods

Fishes were collected from different stations of Dongergaon tank with the help of local fisher folk. With the help of standard literature fishes were identified. The literature of Datta Munsh, and Srivastava (1988) and V.G. Jhingran (1985) was referred

ournal No. : 40376

Result and Discussions

Many Indian workers worked on the fish faunal diversity and fishery activities of the freshwater resources. Babu Rao (1997) studied the fish fauna of Himayatsugar lake in Hyderabad and reported 32 species belonging to the 11 families under 6 orders. In the year 1997 Chaterjee et al., has worked on fish diversity of Narmada basin (M.P) and recorded 84 species from 45 genera and 20 families included in 6 orders.

In the present work, 18 fish species belonging to four orders are recorded from Dongergaon tank (Table No. 1). The fish fauna consists of carps, cattishes. The carps dominate over other groups throughout the year. Among the 18 fish species 8 are commercially important and cultured extensively and included 2 exotic species

The fishery is carried out throughout the year. The various types of gill net and cast nets were operated for fishing by local fishermen. The carps are important for capture and culture fishery among commercially important species channa and mastacembglus that are harvested on moderate scale but fetch good market price compared to other food fishes.

Table No. I - Shows the Ichthyofauna of Dongergaon Tank.

Species	Common Name	Relative abundance
Order – Symbrandiforms		
Family- Gobias giuris (Ham)	Gobius	Rare
Family- Acanthoperidae		
Mastacembalus armatus .	Fresh water eel	Moderate
(Cuv-Val)		
Mastacembalus pancalus	Fresh water eel	Moderate
(Cuv-Val)		
Order- Physostomi		
Family- Siluridae		
Macrones Seenghala (Dum)	Cat fish	Common
Wallago attu (Schne)	Freshwater Shark	Abundant
Clarius Magur (Cuv-Val)	Cat fish	Rare
Family-Scomberscoidae belone (ancila Cuv)	Gar fish	Rare
Family- Cyprinidae		
Catla catla (Ham)	Catla	Abundant
Catla buchanani (Cuv- Val)	Catla	Abundant
Cirrhinus reba (Ham)	Cirrhina	Moderate
Cirrhina Mrigala (Ham)	Mrigala	Moderate
Labeo rohita (Ham)	Rohu	Abundant
Cyprinus carpio (Linn)	Comman Carp	Moderate
Hypopthalmicthys molitrix (Val)	Silver carp	Rare

14

VOLUME - VIII. ISSUE - I - JANUARY - MARCH - 2019

No.	10514 2217 - 5730 - IMPACT FACTOR - 5.5 (num sijfactor som)

Order- Perciformes		,
Sub order- Percoider		
Family- Centropomidae		
Chanda nama (Ham)		
Chanda ranga (Ham)		Rare
Order- Channiformes		Rare
Family- Channidae		
Channa striatus (Ham)	Maral	Moderate
Channa punctatus (Ham)	Maral	Moderate
	True di	ivioderate

References

- Babu Rao, M. and Y Siva Reddy (1964). Studies on fishes of Hussainsagar, Hydrabad, Jamu 2:1-21.
- Babu Rao M. (1997): Studies on the ecology and fish fauna of on oligotrophic lake.
 Himalyat Sagar, Hydrabad (A.P.) Rcc. Adv. In freshwater Biology, Vol. 1, 8: 123-128.
- Chacko, Kurian and Jhyagarajan (1954): Survey of fishes of Cauvery river, Contr, Fresh water fish Biol Stn. Madras, 12:19.
- Chatterjee, D.N., K.S.Rao and A.K.Singh (1997): Studies on fishery potential of western Narmada basin (M.P.) Rec. Adv. In freshwater Biol. vol-II 8, 123-138.
- Central Inland fisheries research Institute (CIFRI) (1956-66): Survey of Central Inland fisheries Research Institute: Bulletin No: 10.
- Das, S.M. (1966). The Ichthyofauna of Kashmir, Proc. Not Acad. Sci India 33B (2): 62-69.
- Datta Munshi and Srivastava M.P. (1928): Natural history of fishes and systematic of freshwater fishes of India Narendra Publishing House. Delhi.
- David A. (1963): Studies on fish and fisheries of Godavari and Krishna River systems, Part-I Proc. Nat Acad. Sci. India 33B(2_): 263-238.
- Jhirgran V.G. (1985) Fish and Fisheries of India. Hindustan Pub. India, Delhi.

15