

VARIETY OF FISH SPECIES AVAILABLE IN LOCAL FISH MARKET OF NANDED DISTRICT (MS) AND THEIR ECONOMIC IMPORTANCE

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ABSTRACT

The Present Study deals with the "Biodiversity of Variety of Fish Species which available in local Fish Market of Nanded District (M.S.), India & their Economic Importance". Marketing is the process of the distribution of wants satisfying product from producer to consumer. Marketing covers all the economic activities involved in the determination, creation and satisfaction of consumers needs and wants at fair prices. The fish market plays a vital role in connecting fisherman and consumer with each other. In Nanded fish market, fresh, frozen and dried fishes are marketed large number of intermediate are involved in the various activities of marketing and there is need to well organize marketing network. So that fishes will be sold. Present study

highlights the availability of fish and their source. Here, the data indicating the various types of fish species, their supply to fish market, demand in market, their price, their economic important and as occupation fisherman how much getting income etc.

KEYWORDS: Study Area, Structure of fish market, Supply, list of fishes, Price of fishes, Economic importance.

INTRODUCTION

Fisheries marketing in a narrow sense include all the economic activities involved in the movement of fish from producer to the final consumer. In short fisheries marketing is 'catch to consumer'. There are more than 30,000 different species of fish living in various ecosystems around the world. These are the largest group of animal under the series Pisces in phylum vertebrata. Fish is an important aquatic animal and good source of protein, vitamins,

minerals and oil and as a nutrient source of low fat, high quality protein. It is also good source of omega-3 fatty acids, vitamins D and B2, calcium phosphorous, iodine, iron, zinc, magnesium, and potassium which are essential for healthy living.

Recently, the important role of fish in the ecosystem has been undermined by over fishing and pollution by industrial activity. Such activity has caused a reduction in the population of fish and an overall reduction in health of fresh and marine biotic communities.

The study of different varieties of fish species is providing the more information about different fishes and also their marketing and their importance in economic development of country and education.

Study Area

The study site was "Local fish markets of Nanded (Tq. Nanded, Dist. Nanded, and Maharashtra). In Nanded, different fish markets, there are 4-5 fish markets which are located at different area of Nanded. They are Etwara fish market, Wednesday fish market, Friday fish market, Nagarjuna fish market, Kautha fish market etc. Out of these my study site was all fish markets which mentioned above, except Kautha fish market. I visited to fish markets on market of that area. These fish markets always open on market day and in all season and months of year, sometimes closed in exceptional cases. Daily fish market open at afternoon to evening.

Nanded district is situated at bank of Godavari River, therefore good water source is available and it makes favourable environment to fish marketing.

Structure of Fish Market

In Nanded there are two types of markets are present, regular and weekly fish market. There are 4-5 fish market which located at different place. Two fish market are daily present, one located at Etwara, near Choufala (i.e Etwara fish market. Another located at Hingoli naka near Nagarjuna hotel (also called Nagarjuna fish market. Remaining fish market are weekly markets, and fish sold on market day of that area in which, The Wednesday fish market (Tarodanaka, Nanded) on wednseday, and other one is Friday fish market (Gokulnagar, near railway station, Nanded) on Friday. The Etwara fish market is both type daily as well as weekly. The weekly market on Sunday. All these markets are 2-3 km from each other. In Nanded fish market fresh, frozen and dried fish are sold or marketed. Generally 80% fresh

fishes are marketed somewhat frozen and dried fish are marketed. Generally 20-25 stalls are found in open place in market day, but in daily market it is less in numbers are 4-5 stalls found. Fish seller are comes from Bhokar, Umri, Mudkhed and some local seller of Nanded.

Supply

In fish market of Nanded, fishes are brought or supply from Godavari river, Devapur dam, Karla, Amdura, Jawapur and also from wholesaler. Some seller are directly captured fishes from above water sources, and some seller buy the fishes from wholesaler (in wholesale market) and sold them. In fish market, the seller which sold fishes in large quantity called wholesaler while the person who buy the fishes from wholesaler and sold at local fish market called retailer. In Nanded the Etwara fish market is wholesale fish market from which the fishes are supplied to retailer and other small fish markets of different villages for selling.

Price of Fishes

In Nanded fish market fish price is fixed. In market fisherman/seller is retailer (small market).and they decide the price of the fishes. Fish price decide by the market demand. Generally the price of fish depends on market structure, location, fish species, quality, size and weight of fish. The price is also influenced by supply and demand. There are generally seasonal variations in prices. The fish price is highest in summer which shown from the survey of the fish market. We know that, price of fish is also dependent on the size of the fish which available in market. In Nanded fish market there are large sized as well as small sized fishes and also medium sized fishes. The price of large sized fishes is high while the price of small sized fishes is less. From the survey of fish market is found that the. Catla, rohu, maral, and baam fishes are highly costed.

Table 1: List of Fishes & Their Market Price per Kg.

Sr. No	Fish Speices Name		Year 2022-23 Price in Kg
	Scientific Name	Local Name	
1	Catlacatla	Catla	260Rs to 350Rs
2	Labeorohita	rohu	220Rs to 260Rs
3	Cirrhinamrigala	mrigal	200Rs to 230Rs
4	Tilapia mossambica	paplate	220Rs to 240Rs
5	Cyprinus carpio	suparnus	220Rs to 250Rs
6	Anguilla rostrata	Tambu	350Rs to 400Rs
7	Anguilla anguilla	Baam	350Rs to 420Rs
8	Thai Pangus	paldus	180/kg
9	Channa striata	maral	420/Kg
10	Clarias batrachus	Magur/marroof	220Rs to 240Rs

Questionnaire Interview of Seller

The correct information of fishes are very necessary for the study of different types of fish species and also their quality. It is necessary to know all these things to consumer and this all information provide only seller or person who have a knowledge of fishes. Therefore, through questionnaire interview we get more information about fishes as well as their source supply, demand, price from the seller. Here, I give the questionnaire interview of two seller. This two seller sold their fishes in different market, which located at different area of Nanded in market day.

SELLER-1

NAME: Narendra Komatwar.

AGE: 32

ADDRESS: Sidhanthpuri, Bhoi Galli, Nanded.

SOURCE/SUPPLY OF FISHES FROM: Godavari river, Amdura, Jawapur.

INCOME FROM SELLING: The income or money which earn from fish selling is 1000-15000. It also depends the stock of fishes & their demand in market.

SELLER-II

NAME: Munnawar Khan.

AGE: 35

ADDRESS: Etwara Galli, Nanded.

SOURCE/SUPPLY OF FISHES: Bhoi Galli or Etwara fish market (by wholeseller).

INCOME: 1000-1200 & all depends on selling of fishes.

Economic Importance of Fishes

- 1) As food
- 2) They give by-products.
- 3) To control disease.

Fishes as food

Fish is good to human because the flesh of fish is rich in proteins and fat. Dry fish also contains A and D vitamins. It contains minerals; much of flesh can be digested by man. Food fishes are both marine and fresh.

Example: catla, rohu, cod fish.

Fish by-product**a) Fish oil**

From the liver of the many fishes oil is extracted. Cod liver oil: it is extracted from the cod fishes.

Shark liver oil

It is extracted from the liver of the shark. These oils contains A and D vitamins. The extracted oil from Bombay duck is used in paints.

b) Fish meals

Many fishes are dressed and cooked. They are dried; fishes are made into fine powder. This is called meal. It is used by weak and convalescent people.

c) Isinglass

It is a pure gelatine substance. It is obtained from air bladder of fishes. It is used to clarify wines.

d) Fertilizers

The fish waste materials have more calcium, protein, phosphorous and other substances. These materials are grinds into powder it is used as fertilizer to grape gardens, coffee and tea plants.

Controlling disease

Some of the fishes like Gambusia barbatus will eat the larval forms of mosquitoes. Thus they prevent the spread of malaria disease.

Summary

In this Research work which entitled " Biodiversity of Variety of Fish Species which available in local Fish Market of Nanded District (M.S.),India & their Economic Importance". I have studied different aspects which are different fish market which located at different area of Nanded.

The market structure, supply of fishes, their demand in market, price of fishes & studied various fish species which available in local market which are, Catlacatla (catla), Labeorohita (rohu), Cirrhinamrigala (mrigala), Cyprinus carpio (suparnus), Tilapia mosambica (paplet), pangasiushypophthalmus (paladus), Anguilla Anguilla (eel), Anguilla rostrata (Tambu),

Channa striata (murrel), Clarias batrachus (magur) and also their economic importance & various activity.

RESULT

From this Research work “To Study Biodiversity of Variety of Fish Species which available in local Fish Market of Nanded District (M.S.), India & their Economic Importance”. I found various types of fishes in local market which are Catla, Rohu, Mrigal, Cyprinus, Tilapia, Pangasius (paldus), Catfish (magur), Channa (murrel), Baam, Tambu.

From the survey of fish market, it found that the Catla, Rohu, Murrel & Baam are highly costed.

CONCLUSION

In this Research work which entitled “To Study Biodiversity of Variety of Fish Species which available in local Fish Market of Nanded District (M.S.), India & their Economic Importance” in 2022- 2023. In this Research work, have studied different types of fishes which available in local market and also studied their prices, demand in market supply, income of fisherman & various activity in markets.

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