

# A SUCCESSFUL WOMEN FARMER IN BRACKISHWATER SHRIMP FARMING: CASE FROM SOUTH KONKAN REGION, MAHARASHTRA



**Shri. Bhalchandra V. Naik**

Assistant Professor

College of Fisheries Shirgaon

Ratnagiri, Maharashtra



# Introduction



- Aquaculture is currently the fastest growing food producing sector in the world.
- Aquaculture is recognized as an important means for livelihood, rural development, food and nutritional security.
- Among various fish production enterprises, shrimp aquaculture is one of the fastest growing forms of aquaculture
- The main shrimp species cultured worldwide are White-Leg Shrimp, *Litopenaeus vannamei* and Giant Black Tiger Shrimp, *Penaeus monodon*

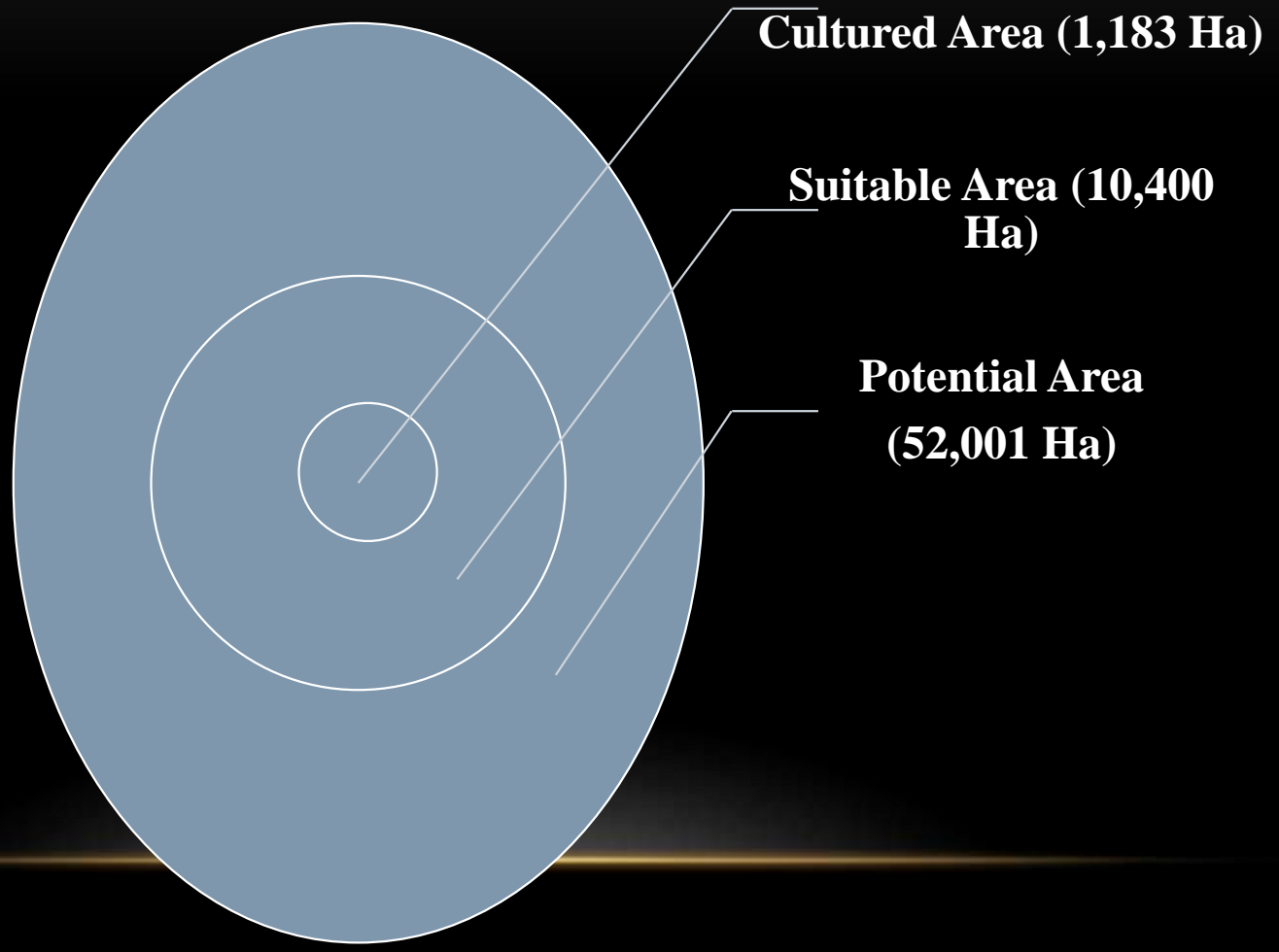
# Contd...



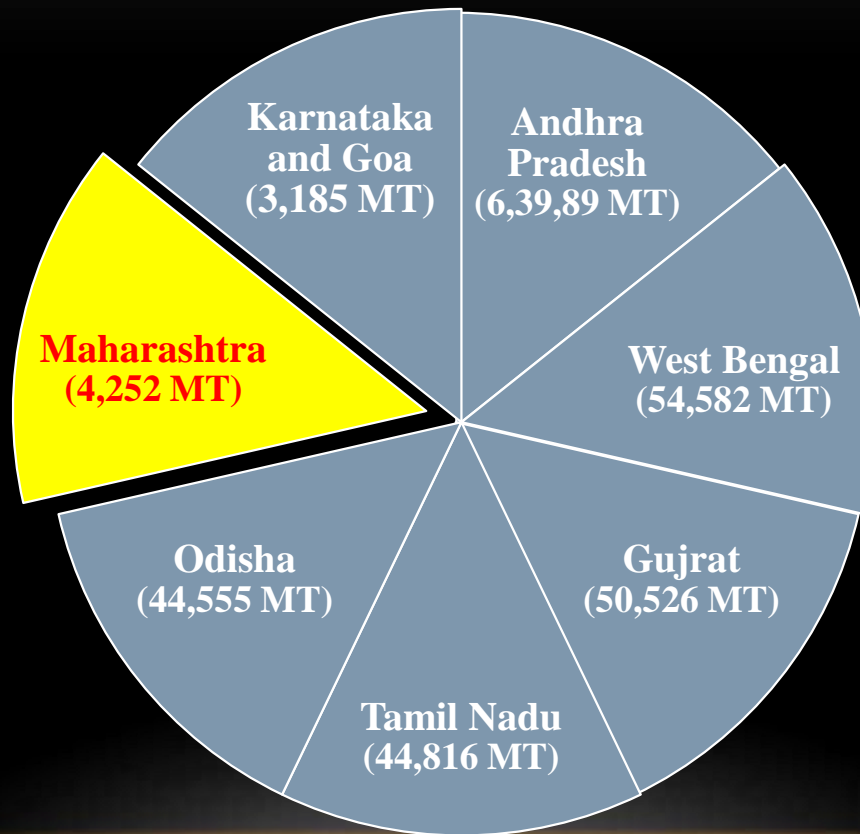
- **In India** - The total estimated brackish water area is about 12.40 million ha, out of which 1.19 million ha is found suitable for brackish water shrimp farming .
- 1,66,722 ha is developed for shrimp farming till 2021.
- Total culture shrimp production during 2021 was 8.4 lakh tones.

Source: MPEDA (2019)

**BRACKISHWATER SHRIMP  
FARMING AREA IN  
MAHARASHTRA**



# STATE-WISE SHRIMP PRODUCTION IN INDIA



Contd...



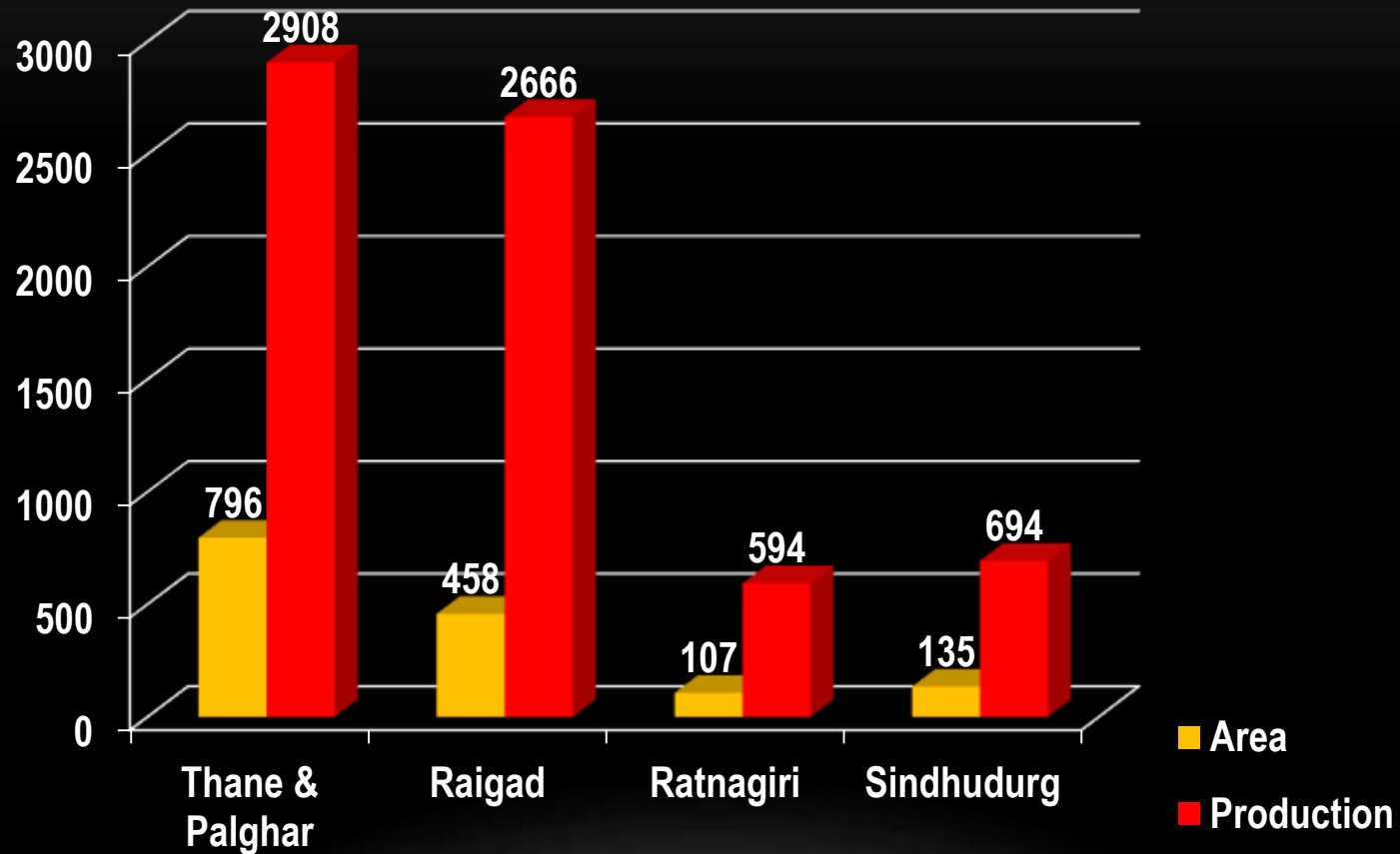
- **Mainly five coastal districts of Maharashtra viz. Palghar, Thane, Raigad, Ratnagiri and Sindhudurg contribute significantly to the shrimp production of Maharashtra**

### **District-wise area under culture and Shrimp Production in Maharashtra : 2019--20**

<b>No</b>	<b>Name of District</b>	<b>Pacific white shrimp Area under culture (Ha.)</b>	<b>Production (tons)</b>
1	Thane & Palghar	796	2908
2	Raigad	458	2666
3	Ratnagiri	107	594
4	Sindhudurg	135	694
	<b>Total</b>	<b>1496</b>	<b>6862</b>
		100%	

Source: DOF , Maharashtra (2020)

## District-wise area under shrimp culture and Production in Maharashtra



Source: DOF , Maharashtra (2020)

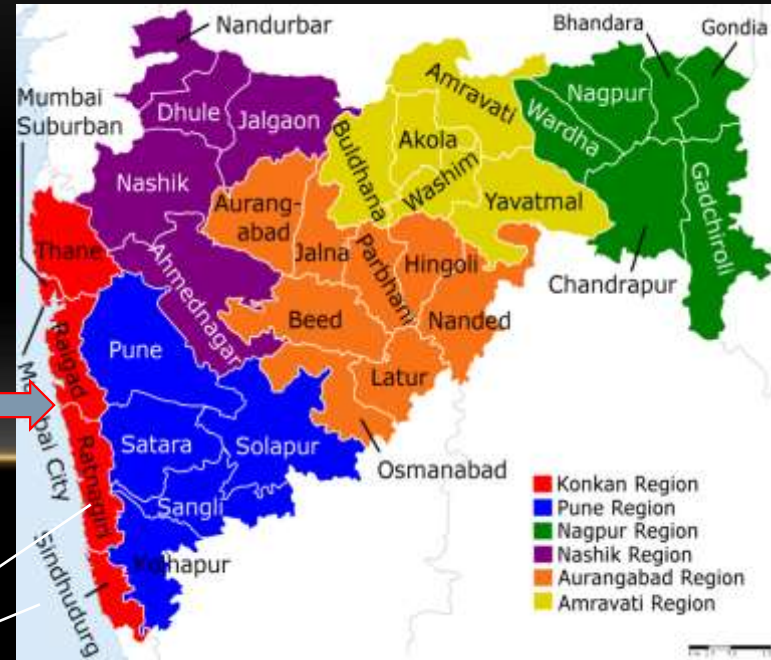
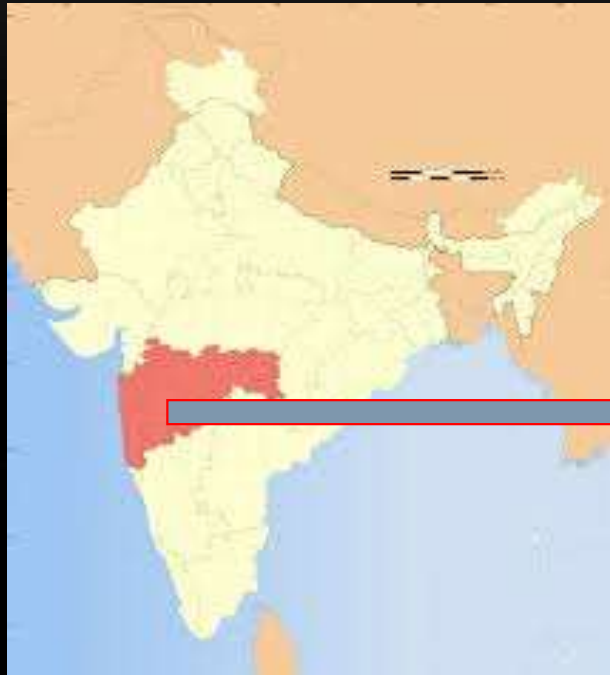
# **Involvement of men and women in shrimp farming of Maharashtra**

- **During emergence of shrimp farming in Maharashtra, men were owner of shrimp farms.**
- **Role of women in shrimp industry was as farm workers and they were involved in pond construction, wild seed collection, feed making, feeding and marketing etc.**
- **At present as per official records available with Department of Fisheries, Maharashtra, 6% of farms are registered in name of women.**
- **But at ground level these shrimp farms are run by men which show that farm ownership is dominated by men.**
- **In the present times, numbers of shrimp farming practices have changed with new technologies/practices.**
- **New technologies/practices include use of machines/tractors for pond digging, hatchery for seed supply, factory feed, automatic feeder, zero water exchange system, direct marketing through companies, Use of IoT etc.**





# Study Area



## RATNAGIRI



5

## SOUTH KONKAN

## SINDHUDURG



4

Contd...

# Sampling



Total number of shrimp farmers in each district

Sindhudurg  
51

N=74

Ratnagiri  
23

Number shrimp farmers studied from each district

43

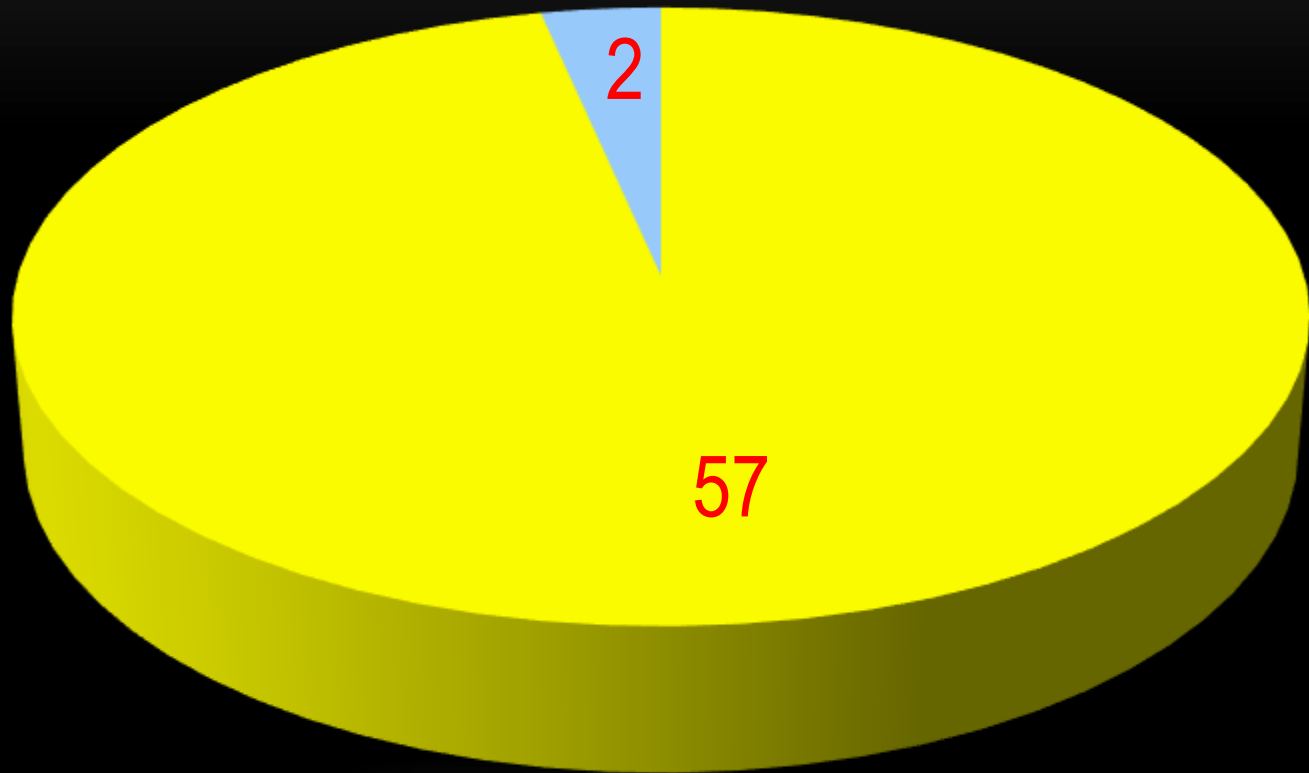
n= 59

16

Pie diagram showing the no. of male and female farmers in the studied locale

■ MALE

■ FEMALE



**DISCRIPTIVE STATISTICS**

**STRUCTURED INTERVIEW SCHEDULE**

- Total 59 farmers were studied.
- Among them only two farms are on the name of women .
- It means 3.39% of farms are registered in name of women.
- But at ground level only one shrimp farms is run by woman and other is managed by men only, which indicates that shrimp farm ownership is dominated by men.
- The name of the woman farmer who run and manage the shrimp farm is **Smt. Shradha Anagolkar**

# DETAILS OF THE FARM MANAGED BY **SHRADHA ANAGOLKAR**









- Educational Qualification -: D.FE.
- Age-: 28 yrs.
- Marital status-: Married
- Locality of farm is in the village Nanar, Taluka Rajapur, Dist-  
Ratnagiri, Maharashtra
- Farm is taken on lease for five years
- Water spread area of farm is about 2 ha.
- No, of . Ponds are four
- Stocking density-: 40 no./sq. meters
- Doc -154
- Avg. size of harvesting- 45-50 gm.
- Survival-75 %

- **Total production pre crop- 13800 kg**
- **Avg. price for a shrimp 355 Rs..per Kg.**
- **Gross revenue per crop-4899000**
- **FCR- 1:6**
- **Avg production cost-280 Rs. Kg**
- **Avg. Expenditure of a crop – 3864000**
- **Net profit per crop- 1035000**
- **No. of crops taken per year -: 02**
- **Forward integration- Expand her shrimp aquaculture activity across the district**
- **She is also holding a dealership of water base shrimp feed.**
- **She is selling her produce most of the time by herself only in the domestic market like Goa, and Pune**



## HER VIEWS

- **Need family support**
- **Need to do it with passion and full involvement**
- **Need to update and alert regarding recent advancement in the field.**
- **Need to change according to the situation.**
- **It is very difficult to travel at night during emergency.**
- **Potential is there to undertake aquaculture activities but should be encouraged to participate in shrimp farming.**
- **Make aware the women regarding their potential, hardworking, responsiveness.**
- **Create awareness regarding new technologies in farming.**
- **Make visit on the farm of successful women entrepreneurs in aquaculture/shrimp farming so they will get motivated.**

- **CONSTRAINTS FACED BY HER**
- **High investment and high risk**
- **Need to work in remote area**
- **Family support is necessary for every interested women, in shrimp farming**
- **Interest and hands on training regarding shrimp farming is different.**

- **Conclusion**

- **In shrimp farming, which is a sunrise industry, ownership of farms/ponds by women is minuscule and gender gap exists.**
- **There is need to conduct capacity development programmes specially for women.**
- **If favorable environment is available to the interested women she will definitely become a successful shrimp farmer..**



**THANK YOU**