

## Krishi Vigyan Kendra, Navsari Agricultural University, Surat

### Success Story-2

1.	Name of the Farmer	Dr Manoj Mohanlal Sharma
2.	Father's name	Mohanlal Sharma
3.	Date and Place of Birth	01/10/1969 Nanded, Maharashtra
4.	Postal address	21 Jivan Vihar Society, opposite Navyug College, Rani Laxmi bai marg, Rander Road, Adajan, Surat - 395005
5.	Mobile number	+91-9726888844
6.	Email id	mapl.shrimp@gmail.com
7.	Educational Qualification	<ul style="list-style-type: none"> <li>• <b>Doctor of Philosophy (PhD)</b> in Fisheries Science (shrimp farming) from Swami Ramanand Teerth University, Nanded, Maharashtra, India.</li> <li>• <b>Master of Fisheries Science (M.F.Sc.)</b> in Fisheries Management from Central Institute of Fisheries Education.</li> </ul>
8.	Awards and Honors	<ul style="list-style-type: none"> <li>• Recipient of “<b>Best BW Shrimp/Fish farmer- Coastal states</b>” award for year 2018 from <b>NFDB</b> (National Fisheries development board), Hyderabad.</li> <li>• Received prestigious “<b>India's Small Giants</b>” award from <b>India SME forum</b> for year 2014.</li> <li>• Awarded by <b>ICAR (Central Institute of Fisheries education)</b> for “<b>Leadership in Fisheries &amp; Aquaculture</b>” year 2014-15.</li> <li>• Received <b>BEST FISH FARMER AWARD</b> from Central Institute of Fisheries Education, Mumbai on Fish 8<sup>th</sup> July, 2005.</li> <li>• Recipient of <b>Agrivision</b> award 2020 for the exceptional contributions to the field of shrimp farming from <b>Akhil Bhartiya Vidyarthi Parishad</b>.</li> </ul>
9.	Total land	50 hectares
10.	Area under crop	40 hectares
11.	New Technologies Developed	Multiphase indoor rearing of shrimp post larvae under complete biosecurity protocol.
12.	Shrimp Farming income per hectare per year with two different stocking module	<b>Model 1</b> Crop 1 – 365 Days for 40 count Stocking density – 30 pcs/ m <sup>2</sup> Production – 6.5 ton/ha Cost of production – 270 INR/Kg Average price sale @ 40 count – 380 – 400 INR Profit – 8,45,000 INR/ha/crop If 2 crops, then 16,90,000 INR net profit.

		<b>Model 2</b> Crop 2 – 365 Days for 30 count Stocking density – 30 pcs/ m <sup>2</sup> Production – 7.2 ton/ha Cost of production – 290 INR/Kg Average price sale @ 30 count – 430 – 460 INR Profit – 10,80,000 INR/ha/crop If 2 crops, then 21,60,000 INR
13.	Issues Prevailing within the shrimp industry	Shrimps have a high export demand and is a source of livelihood opportunities for thousands of coastal fishermen. Due to current trends prevailing in the industry which are increase in the competition in the export market, increase in the cost of production, less shrimp seed survival, high mortality and disease outbreak, Food Safety and Traceability issues, the earnings and profitability of the shrimp farmers have been affected largely.
14.	What improvement has the new technology affected on the productivity, profitability and sustainability enhancement	<ul style="list-style-type: none"> <li>• To shorten the days of shrimp culture by using multiphase nursery rearing and supplying disease free robust PL 30 to 40 days old.</li> <li>• The multi-step helps farmer to efficiently reduce the days of culture and cost of production thereby doubling the crop and doubling the profit.</li> <li>• Guarantees disease free culture throughout the year to the farmers.</li> <li>• Multiphase indoor rearing enables all season cropping</li> </ul>
15.	Results / Outcomes	<ul style="list-style-type: none"> <li>• The trial results were highly encouraging, the PL 35 after multiphase rearing has shown very good compensatory growth with an average daily weight 0.3 grams per day giving 40 counts of shrimp in just 80 days of rearing.</li> <li>• We have also noticed as the farming days are reduced, there is also reduction in the production cost specially FCR and energy cost.</li> </ul>
16.	Scalability	The first phase development is with 16 indoor 50 ton tanks and 6 outdoor 200 ton tanks. So per cycle we can produce 25 million seeds and at average stocking 30 pcs per hectare only we can supply 100 ponds per cycle. So you can imagine the scalability when Gujarat has 7000 number of ponds within the vicinity, so we assume that we have the scalability of many folds.
17.	Sustainability	The biggest challenge in shrimp production is the present disease and the new emerging diseases. In the

		<p>conventional technique stocking with PL 8 the minimum days to complete the crop is 120 days and mostly 60 to 70 percent farmers practice single crop strategy.</p> <p>But with the new innovative concept of indoor, multiphase there will be year around seed production and farmers can take two crops with PL 35 and hence they can double the crop and double the production.</p>
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## Other Activities

- Innovative interventions**

Started Zhingalala a unique and exclusive farm-raised shrimp restaurant and domestic marketing campaign to support farmer and their produce. Domestic market can bring sustainability and stable price to the shrimp farmers produce and reduce the dependency on the export market.

- Extent of publicity of his / her innovations / contributions / success story:**

1. The farmers from the neighboring areas after seeing the success of the multiphase indoor rearing concept have started approaching the facility for providing them the shrimp seeds from the facility.
2. An article about the multiphase indoor concept has been published in the Aquaculture Spectrum magazine.
3. This facility has been recognized and licensed by the Coastal Aquaculture Authority of India.
4. The article about the domestic promotion of the shrimps by Zhingalala has been published in the Aquaculture Spectrum farming and AgriPost.
5. For more information about Dr Manoj Sharma and his interventions can be found out on the following link -  
[https://www.google.com/search?q=Dr+Manoj+Sharma+shrimp+farming+Gujarat&client=safari&rls=en&sxsrf=ALeKk03ncm9KHE38fmzOFFmzb8q-ZUJ3bw%3A1625728472645&ei=2KXmYObpJqGSmgforD0&oq=Dr+Manoj+Sharma+shrimp+farming+Gujarat&gs\\_lcp=Cgdnd3Mtd2l6EAMyBQghEKABOgUIABCwAzoGCAAQFhAeOgQIIxAnOgQIIRAVOgcIIRAKEKABSgQIQRgBULi6AVix1QFg-uUBaAZwAHgAgAGjAogB4xCSAQUwLjYuNJgBAKABAaoBB2d3cy13aXrIAQHAAQE&sclient=gws-wiz&ved=0ahUKEwjmtfPA9tLxAhUhieYKHWhWDwAQ4dUDCA0&uact=5](https://www.google.com/search?q=Dr+Manoj+Sharma+shrimp+farming+Gujarat&client=safari&rls=en&sxsrf=ALeKk03ncm9KHE38fmzOFFmzb8q-ZUJ3bw%3A1625728472645&ei=2KXmYObpJqGSmgforD0&oq=Dr+Manoj+Sharma+shrimp+farming+Gujarat&gs_lcp=Cgdnd3Mtd2l6EAMyBQghEKABOgUIABCwAzoGCAAQFhAeOgQIIxAnOgQIIRAVOgcIIRAKEKABSgQIQRgBULi6AVix1QFg-uUBaAZwAHgAgAGjAogB4xCSAQUwLjYuNJgBAKABAaoBB2d3cy13aXrIAQHAAQE&sclient=gws-wiz&ved=0ahUKEwjmtfPA9tLxAhUhieYKHWhWDwAQ4dUDCA0&uact=5)

## Farm Photos and Shrimp farming development



Picture: Dr Manoj's early days in Gujarat as a full-time technician in Olpad, Gujarat.



Picture: Growth of *P.monodon* farming in Gujarat, India alongside increases in the number of shrimp farms.





**Picture: Mayank Aquaculture Private limited farming and its premium quality shrimps**



**Picture: Vivaline product launch in Surat, Gujarat by HTS BIO France and Mayank Aqua Products and its product portfolio.**

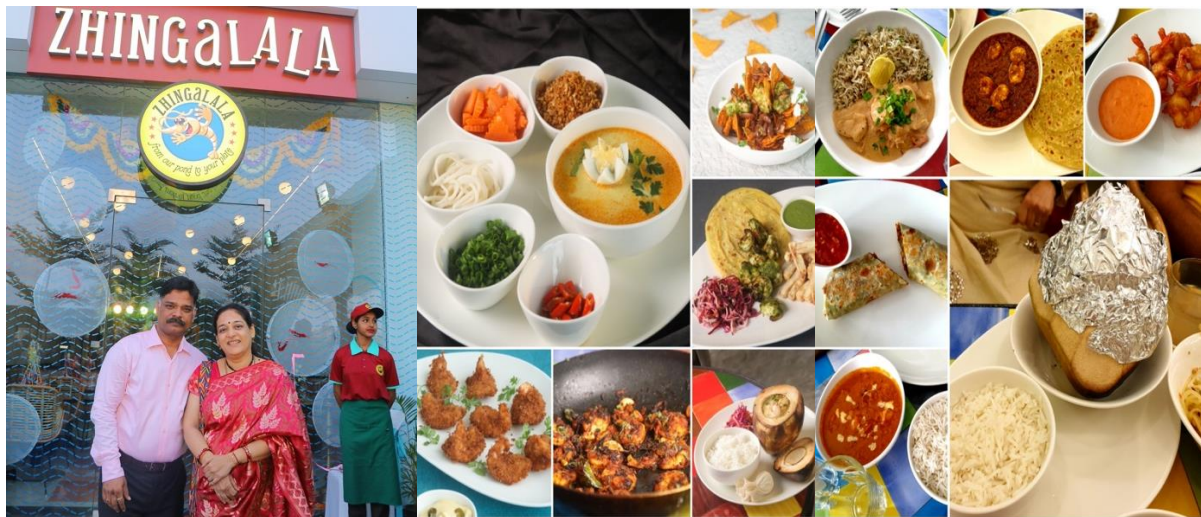


**Picture: Multiphase Indoor Shrimp Rearing site at Navsari, Gujarat.**





**Picture: Visit of respected executive Shree Rani Kumuduni Mam (IAS) from National Fisheries Development Board (NFDB) at the Mayank Aquaculture Private Limited shrimp farm facility alongside foreign delegates.**



**Picture: Zhingalala restaurant for the domestic promotion of shrimps in Surat, Gujarat and the visit of the famous food bloggers Mr Mayur Sharma and Mr Rocky Singh from History TV India Channel for appreciating this unique concept.**