



मत्स्य पालन विशेषज्ञ (मत्स्यपालक)

A Pisciculturist (Fish Farming Expert) raises fish scientifically — breeding fish in ponds, tanks or cages, producing seed (fry/fingerlings), rearing them, managing feed, water quality, oxygen and disease control, and finally...



Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/pisciculturist

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श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
Sr. Lecturer, DIET Barmer (Support)



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अभिकल्पना व विकास · व्याख्याता (इतिहास)
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विशेष धन्यवाद · SPECIAL THANKS



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व्याख्याता (भूगोल) · रा.उ.मा.वि. रामसीन मूंगड़ा



वनिता कुमारी

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कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) · रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

1 About this career

A Pisciculturist (Fish Farming Expert) raises fish scientifically — breeding fish in ponds, tanks or cages, producing seed (fry/fingerlings), rearing them, managing feed, water quality, oxygen and disease control, and finally harvesting and marketing the fish. From carps like Rohu, Catla and Mrigal to Tilapia, Pangasius and even shrimp, this field is growing fast under India's 'Blue Revolution' and the Pradhan Mantri Matsya Sampada Yojana (PMMSY). In Rajasthan, inland fisheries in reservoirs and ponds are expanding steadily, making this a self-employment path and career that earns well on relatively little land.

2 At a glance

Minimum qualification	Class 12 (Science) for B.F.Sc; or a fisheries diploma/training
Course duration	B.F.Sc 4 years; diploma/training a few weeks–2 years
Starting salary	₹15,000–25,000/month (small pond)
Work mode	Self-employment (own farm) or a job at a farm/hatchery

3 What you need

INTERESTS

- Interest in working with fish, water and aquatic life
- Keen to build one's own business and grow income
- Enjoy practical, outdoor work linked to farming and nature

ABILITIES

- Careful observation of water, feed and fish health
- Basic numeracy and management sense
- Physical stamina and patience

KEY SKILLS

- Preparing and managing ponds/tanks, liming and fertilisation
- Testing water quality, pH, oxygen and temperature
- Identifying and preventing fish diseases
- Record-keeping, cost-benefit accounting and using government schemes
- Fish breeding and producing seed (fry/fingerlings)
- Managing balanced feed and feeding schedules
- Harvesting, grading, packing and marketing

4 How to get there

- 1 Complete Class 12 (Science — Physics, Chemistry, Biology) if you plan to do B.F.Sc.
- 2 For the 4-year B.F.Sc degree, appear for ICAR AIEEA (UG) or a state entrance; in Rajasthan the College of Fisheries, MPUAT Udaipur is the key option.
- 3 For a quicker start, learn through short-term fish-farming training or a diploma from NFDB/PMMSY and the State Fisheries Department.
- 4 Gain hands-on experience at a progressive farm or hatchery — learn breeding, feeding and water management.
- 5 Start your own pond/tank and apply to the State Fisheries Department for PMMSY subsidy and bank loans.
- 6 With experience, expand into a hatchery, feed mill or aqua-business.

MAIN EXAMS

- ICAR AIEEA (UG) — All-India entrance for B.F.Sc Fisheries Science admission (conducted by NTA)
- State agricultural/fisheries university entrance tests (e.g. MPUAT Udaipur)

5 Where to study**GOVERNMENT INSTITUTES**

- मत्स्य महाविद्यालय, MPUAT उदयपुर (College of Fisheries) — Udaipur, Rajasthan (<https://www.cofudaipur.ac.in/>)
- महाराणा प्रताप कृषि एवं प्रौद्योगिकी विश्वविद्यालय (MPUAT) — Udaipur, Rajasthan (<https://www.mpuat.ac.in/>)
- ICAR-केंद्रीय मत्स्य शिक्षा संस्थान (ICAR-CIFE) — Mumbai, Maharashtra (<https://www.cife.edu.in/>)
- राष्ट्रीय मत्स्य विकास बोर्ड (NFDB) प्रशिक्षण — Hyderabad / All-India (<https://nfdb.gov.in/>)

PRIVATE INSTITUTES

- श्री कर्ण नरेंद्र कृषि विश्वविद्यालय व राज्य मत्स्य विभाग प्रशिक्षण केंद्र — Jobner / Rajasthan (<https://sknau.ac.in/>)
- इंडियन काउंसिल ऑफ एग्रीकल्चरल रिसर्च (ICAR) संस्थान नेटवर्क — All-India (<https://icar.org.in/>)

ONLINE

- PMMSY — मत्स्य पालन जानकारी व प्रशिक्षण पोर्टल — Online (<https://pmmsy.dof.gov.in/>)
- मत्स्य विभाग, भारत सरकार — Online (<https://dof.gov.in/>)

FEES

At government fisheries colleges (MPUAT Udaipur etc.) B.F.Sc fees are relatively low — roughly ₹20,000–60,000/year. NFDB/State Fisheries short-term trainings are often free or nominal. When starting your own farm, pond-construction, seed and feed costs are cut sharply by PMMSY subsidy (40% for general, 60% for women/SC/ST).

SCHOLARSHIPS

- प्रधानमंत्री मत्स्य संपदा योजना (PMMSY) — सब्सिडी (<https://www.myscheme.gov.in/schemes/pmmsy>)
- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in>)
- ICAR राष्ट्रीय प्रतिभा छात्रवृत्ति (B.F.Sc हेतु) (<https://icar.org.in/>)
- SJE राजस्थान छात्रवृत्ति (<https://sje.rajasthan.gov.in/>)

6 What the work is like

WHERE YOU WORK

Own or leased ponds/tanks, reservoir and cage farms, fish hatcheries, aquaculture companies, feed companies and State Fisheries Department farms.

WORK CULTURE

Work follows the season and fish cycle — morning and evening feeding and monitoring are essential. It is outdoor, hands-on work near water; the harvest period gets busy. Women too are successfully running farms and hatcheries in this field.

WHO HIRES

- | | |
|---|--|
| • Self-employment — own fish farm / hatchery / aqua-business | • Aquaculture and fish-production companies and shrimp farms |
| • State Fisheries Departments (including Rajasthan) and government farms/hatcheries | • National Fisheries Development Board (NFDB) and PMMSY projects |

- Fish-feed and aqua-input companies
- Fisheries cooperatives and Farmer Producer Organisations (FPOs)

DEMAND (2026)

India is among the world's largest fish producers and the sector is expanding fast under the 'Blue Revolution' and the Rs 20,050-crore Pradhan Mantri Matsya Sampada Yojana (PMMSY). Both domestic consumption and exports are rising, keeping demand for skilled fish farmers high. In Rajasthan, growing inland fisheries in reservoirs and ponds is creating new opportunities.

7 Career growth

- 1 Small fish farmer (one or two ponds/tanks)
- 2 Progressive fish farmer / aqua-entrepreneur
- 3 Hatchery operator and seed producer
- 4 Aqua-business owner / fisheries FPO head (feed, processing, marketing)

EARNINGS

Starting	₹15,000–25,000/माह
Mid level	₹30,000–60,000/माह
Senior level	₹1,00,000+/माह

Income depends on pond area, fish species, productivity and market. A small pond may yield ₹15,000–25,000/month at first, while a progressive farmer with several ponds can earn ₹30,000–60,000/month or more. Jharkhand fish farmer Vinita Kumari earns about ₹70,000/month on average, reaching lakhs in peak season; hatchery/aqua-business owners earn considerably more.

8 The good parts · The challenges**The good parts**

- Good income from little land as self-employment; PMMSY offers subsidy and loan support
- Steady demand and expansion in a growing fisheries industry
- Equal opportunities for women and rural youth

The challenges

- Risk of fish loss from disease, oxygen crash or floods/drought
- Daily monitoring and hard work — little time off
- Needs starting capital and faces fluctuating market prices

9 Real-life journeys

Bhudev Singh

Fish farmer and PMMSY beneficiary, Haridwar, Uttarakhand

Bhudev Singh of Haridwar, Uttarakhand, was a traditional farmer, but after the Covid era he dug a pond in his village and took up fish farming. A subsidised loan of about Rs 1.76 lakh under the Pradhan Mantri Matsya Sampada Yojana (PMMSY) let him adopt modern aquaculture, and within a single year he doubled his income and improved his standard of living. His story shows how, with the right training and a government scheme, an ordinary farmer can earn a good income and respect through scientific fish farming.

Prokerala News · <https://www.prokerala.com/news/articles/a1673428.html>

Vinita Kumari

Fish farmer and wholesaler, Dumka, Jharkhand

Vinita Kumari of Dumka, Jharkhand, is the only woman fish wholesaler in her state. After losing her father, brothers and husband, she took over the family fishery to support her two children and built a trade in carps like Rohu, Catla and Mrigal. Under PMMSY she received Rs 10 lakh (including a Rs 4 lakh grant). Today she earns about Rs 70,000/month on average and has won the Best Fisheries Award (2022), Best Fish Farmer Award (2023) and the MFOI Award 2023. Her journey inspires every girl who wants a self-reliant career in fish farming.

Krishji Jagran · <https://krishijagran.com/success-story/jharkhand-woman-fish-farmer-earns-rs-70-000-monthly-by-diversifying-into-ocean-and-freshwater-fish-farming>

10 If this route does not work out

One exam or one attempt does not close the door. The same subjects also open these routes — entry is usually easier, and you can return to this field later.

- Fishery / Aquaculture Technician
- Fisheries Development Officer
- Fisheries Extension Officer

11 Sources & further reading

1. Rajasthan Career Guidance – Pisciculturist — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%ae%e0%a4%e0%a5%8d%e0%a4%b8%e0%a5%8d%e0%a4%af-%e0%a4%aa%e0%a4%be%e0%a4%b2%e0%a4%a8-%e0%a4%b5%e0%a4%bf%e0%a4%b6%e0%a5%87%e0%a4%b7%e0%a4%9c%e0%a5%8d%e0%a4%9e-%e0%a4%ae%e0%a4%a4%e0%a5%8d/>

2. College of Fisheries, MPUAT Udaipur — <https://www.cofudaipur.ac.in/>
3. ICAR-CIFE Mumbai – Admission — <https://www.cife.edu.in/admission>
4. Pradhan Mantri Matsya Sampada Yojana (PMMSY) — <https://pmmsy.dof.gov.in/>
5. National Fisheries Development Board (NFDB) — <https://nfdb.gov.in/>
6. Shiksha – B.F.Sc Course & Career — <https://www.shiksha.com/b-f-sc-bachelor-of-fisheries-science-chp>

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