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करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

समुद्री जैववैज्ञानिक

Marine biologists study and conserve ocean life, coral reefs and coastal ecosystems. With climate change and India's blue economy push, this research-driven career is growing fast.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/eng-6984

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सुशील कुमार शर्मा

प्रधानाचार्य, रा.उ.मा.वि. जेठन्तरी • मास्टर ट्रेनर
Principal, GSSS Jethantri • Master Trainer



श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

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



भरत चौधरी

अभिकल्पना व विकास • व्याख्याता (इतिहास)
Designed & developed • Lecturer (History)

विशेष धन्यवाद • SPECIAL THANKS



सुरेन्द्र सिंह राठौड़

व्याख्याता (इतिहास) • रा.उ.मा.वि. कानाना



सुरेश कुमार सैन

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



वनिता कुमारी

व्याख्याता (इतिहास) • रा.उ.मा.वि. रामसीन मूंगड़ा



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

Marine biologists study and conserve ocean life, coral reefs and coastal ecosystems. With climate change and India's blue economy push, this research-driven career is growing fast.

2 At a glance

Minimum qualification	B.Sc. Life/Marine Science; M.Sc.-PhD for research
Work mode	Field and lab work, sea expeditions
Demand	Moderate-rising (blue economy, conservation projects)
Top earning	₹25 lakh/year or more (senior scientist)

3 What you need

INTERESTS

- Curiosity about the ocean and its creatures
- Finding scientific solutions to problems
- Doing fieldwork in nature

ABILITIES

- Understanding data, numbers and graphs
- Working with instruments and software
- Patient, long-duration observation

KEY SKILLS

- Knowledge of marine ecology
- Statistics and data analysis (R/Python)
- Swimming and scuba diving (an advantage)
- Lab techniques (microscopy, DNA analysis)
- GIS and remote sensing
- Scientific writing and reporting

4 How to get there

- 1 Complete Class 12 Science with Biology
- 2 Do B.Sc. in Zoology/Life Science/Marine Science
- 3 Do M.Sc. Marine Biology/Oceanography (CUSAT, Annamalai, Goa etc.)
- 4 Gain experience via internships/field projects
- 5 Clear NET-JRF and pursue PhD for research

MAIN EXAMS

- CUET (for UG/PG admission)
- CSIR-UGC NET / GATE (for research)
- ICAR AIEEA (for fisheries science routes)

5 Where to study

GOVERNMENT INSTITUTES

- राजस्थान विश्वविद्यालय (प्राणीशास्त्र) — Jaipur, Rajasthan (<https://www.uniraj.ac.in>)
- मोहनलाल सुखाड़िया विश्वविद्यालय — Udaipur, Rajasthan (<https://www.mlsu.ac.in>)
- कोचीन विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय (CUSAT) — Kochi, Kerala (<https://cusat.ac.in>)
- अन्नामलाई विश्वविद्यालय (CAS मरीन बायोलॉजी) — Parangipettai, Tamil Nadu
- गोवा विश्वविद्यालय (समुद्री विज्ञान) — Goa

PRIVATE INSTITUTES

- वेल टेक विश्वविद्यालय — Chennai, Tamil Nadu
- एमिटी इंस्टीट्यूट ऑफ मरीन साइंस — Noida, Uttar Pradesh

ONLINE

- IGNOU — Distance education, national (<https://www.ignou.ac.in>)

FEES

About ₹10,000-60,000/year in government institutes; up to ₹2-7 lakh/year in private ones. Varies by institute and course.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in>)

- राजस्थान सामाजिक न्याय छात्रवृत्ति (<https://sje.rajasthan.gov.in/>)
- विद्या लक्ष्मी शिक्षा ऋण पोर्टल (<https://www.vidyalakshmi.co.in>)
- डीएसटी इंस्पायर छात्रवृत्ति (<https://dst.gov.in/scholarships-programmes>)

6 What the work is like

WHERE YOU WORK

Research institutes (CMFRI, NIO), universities, marine conservation NGOs, aquariums, government agencies.

WORK CULTURE

Field job; coastal travel and sea expeditions; 5 days a week, 8-9 hours; project-based contracts too.

WHO HIRES

- ICAR-CMFRI (Central Marine Fisheries Research Institute)
- INCOIS, Hyderabad
- Conservation NGOs like WWF-India
- National Institute of Oceanography (NIO), Goa
- Wildlife Institute of India and forest departments
- Universities and colleges (teaching)

DEMAND (2026)

India's blue economy policy, Deep Ocean Mission and coastal conservation projects are expanding research and consulting opportunities in 2026.

7 Career growth

- 1 Junior Research Fellow
- 2 Senior Research Fellow
- 3 Research Scientist
- 4 Senior Scientist/Professor
- 5 Principal Scientist/Director

EARNINGS

Starting	₹30,000-50,000
Mid level	₹60,000-1,00,000
Senior level	₹1,50,000-2,10,000+

Monthly estimates (2026). Government research pay follows norms; source range ₹4-25 lakh/year.

8 The good parts · The challenges

The good parts

- Exciting work close to nature and the sea
- Direct impact on environment through conservation
- International research and fellowship opportunities

The challenges

- Few institutes in Rajasthan; relocation to coastal states needed
- Permanent posts come after long study (M.Sc.-PhD)
- Fieldwork can be physically demanding

9 Real-life journeys

Divya Karnad

Marine conservation scientist, founder of InSeason Fish

Divya Karnad worked with fishing communities to protect sharks and marine life and founded the InSeason Fish initiative. She won the prestigious Future For Nature Award in 2019.

Future For Nature · https://futurefornature.org/ffn_winner/divya-karnad/

Deepak Apte

Marine ecologist, former director of BNHS

Deepak Apte did pioneering work on giant clam conservation in Lakshadweep and went on to lead the Bombay Natural History Society. He received the Whitley Award for conservation.

Sanctuary Nature Foundation · <https://sanctuarynaturefoundation.org/article/meet-deepak-apte---marine-ecologist,-educationist-and-conservationist>

10 Sources & further reading

1. Rajasthan Career Guidance - Marine Biologist — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%b8%e0%a4%ae%e0%a5%81%e0%a4%a6%e0%a5%8d%e0%a4%b0%e0%a5%80-%e0%a4%9c%e0%a5%88%e0%a4%b5%e0%a4%b5%e0%a5%88%e0%a4%9c%e0%a5%8d%e0%a4%9e%e0%a4%be%e0%a4%a8%e0%a4%bf%e0%a4%95-marine-biologist/>
2. ICAR-CMFRI — <https://www.cmfri.org.in>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. NIRF Rankings — <https://www.nirfindia.org>



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