



SAARTHI • सारथी

करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

इकोलॉजिस्ट

Ecologists study the relationships between plants, animals and their environment. They work on biodiversity conservation, land management and environmental balance, often specialising in a particular habitat or species.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/ecologist

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri • ब्लॉक समदड़ी • बालोतरा (Block Samdari • Balotra)

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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

Ecologists study the relationships between plants, animals and their environment. They work on biodiversity conservation, land management and environmental balance, often specialising in a particular habitat or species.

2 At a glance

Stream	Science (Biology)
Minimum qualification	B.Sc/M.Sc/PhD Ecology/Environment
Avg Starting Salary	₹3.5–6 LPA
Key Sector	Conservation & research

3 What you need

INTERESTS

- Deep interest in nature, wildlife and the environment
- Enjoy analysing and solving problems
- Love for fieldwork and travel

ABILITIES

- Observation and data-collection skills
- Analytical and scientific thinking
- Good communication and teamwork

KEY SKILLS

- Field surveys and species identification
- GIS and remote sensing
- Environmental Impact Assessment (EIA)
- Biodiversity and habitat assessment
- Statistical data analysis
- Report writing and research publication

4 How to get there

- 1 Complete Class 10+2 Science (Physics, Chemistry, Biology).
- 2 Pursue B.Sc in Ecology/Environmental Science/Botany/Zoology/Forestry.
- 3 Specialise with an M.Sc (Ecology/Wildlife/Environmental Science).
- 4 Gain field experience with NGOs, forest departments or research projects.
- 5 Clear CSIR-NET and pursue a PhD for research/teaching.
- 6 Start as a Junior Ecologist or Conservation Officer.

MAIN EXAMS

- CSIR-UGC NET (Life/Environmental Science)
- IIT JAM (M.Sc admission)
- WII entrance (Wildlife Science)
- ICFRE / forestry research exams

5 Where to study

GOVERNMENT INSTITUTES

- University of Rajasthan — Jaipur, Rajasthan (<https://www.uniraj.ac.in/>)
- Mohanlal Sukhadia University — Udaipur, Rajasthan
- Central University of Rajasthan — Ajmer, Rajasthan
- Wildlife Institute of India (WII) — Dehradun, Uttarakhand (<https://wii.gov.in/>)
- Banaras Hindu University — Varanasi, Uttar Pradesh
- University of Delhi (Environmental Studies) — New Delhi

PRIVATE INSTITUTES

- Amity Institute of Environmental Sciences — Noida, Uttar Pradesh
- St. Xavier's College — Ahmedabad, Gujarat
- Manipal Academy of Higher Education — Manipal, Karnataka

ONLINE

- SWAYAM / NPTEL (इकोलॉजी) — Online (India)
- IGNOU (पर्यावरण अध्ययन) — Distance learning (India)
- Coursera (Ecology & Conservation) — Online (global)

FEES

About ₹15,000–₹75,000/year in government institutes; ₹1–2 lakh/year in private ones. (2026 estimate; varies by institute)

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in/>)
- Rajasthan CM Higher Education Scholarship (<https://hte.rajasthan.gov.in/>)
- INSPIRE Scholarship (DST) (<https://online-inspire.gov.in/>)
- CSIR-UGC JRF/NET Fellowship (<https://csirnet.nta.ac.in/>)

6 What the work is like

WHERE YOU WORK

Research organisations, forest departments, wildlife sanctuaries, agricultural research centres, environmental consultancies and NGOs.

WORK CULTURE

Not a desk job—fieldwork and travel are a major part. 5–6 days a week; opportunities also exist for persons with disabilities.

WHO HIRES

- | | |
|---|--|
| • Wildlife Institute of India (WII) | • WWF-India |
| • State Forest Departments | • Ashoka Trust for Research in Ecology (ATREE) |
| • Bombay Natural History Society (BNHS) | • Environmental consultancy firms |

DEMAND (2026)

Growing focus on climate change, biodiversity conservation and environmental regulation (EIA) is increasing demand for ecologists and conservation specialists.

7 Career growth

- 1 Intern / Field Research Assistant
- 2 Junior Ecologist
- 3 Ecologist

- 4 Senior Ecologist
- 5 Head of Department / Principal Scientist

EARNINGS

Starting	₹3.5-6 लाख/वर्ष
Mid level	₹6-12 लाख/वर्ष
Senior level	₹12-20 लाख/वर्ष+

Salary depends on organisation, qualification and experience; higher in international NGOs and consultancies.

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

- Opportunity to work with nature and wildlife
- Meaningful contribution to environmental conservation
- Varied and adventurous fieldwork

The challenges

- Long travel to remote and tough terrain
- Dependence on research funding
- Relatively modest starting salary

9 Real-life journeys**Dr. Krithi K. Karanth**

Conservation Scientist & Ecologist; National Geographic Explorer

Dr. Krithi K. Karanth is one of India's leading conservation scientists, working on human-wildlife coexistence. She earned a PhD from Duke University and leads the Centre for Wildlife Studies. She is the first Indian to be named National Geographic 'Explorer of the Year'.

Wikipedia · https://en.wikipedia.org/wiki/Krithi_Karant

Dr. Kartik Shanker

Ecologist & Professor, Indian Institute of Science (IISc), Bengaluru; Sea-turtle Conservation

Dr. Kartik Shanker is a professor at the Centre for Ecological Sciences, IISc Bengaluru. After Zoology at the University of Madras and a PhD from IISc, he did extensive research on sea turtles and coastal ecology and inspired many young conservationists. He is also a popular science writer.

Roundglass Sustain · <https://roundglassustain.com/heroes/conservationist-kartik-shanker>

10 Sources & further reading

1. Rajasthan Career Guidance – Ecologist — <https://cg.rajasthan.gov.in/careerguidance/>
2. Wildlife Institute of India (WII) — <https://wii.gov.in/>
3. ATREE – Ecology Research — <https://www.atree.org/>
4. CSIR-UGC NET (Environmental Science) — <https://csirnet.nta.ac.in/>



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Interest and aptitude tests, government jobs, skill courses and a CV builder — free, no login, and it works offline.

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