



कीट विज्ञानी

Entomologists study the life-cycles, behaviour and ecological roles of insects. They develop ways to protect crops, animals and human health from harmful insects and to use beneficial ones.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/entomologist

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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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

Entomologists study the life-cycles, behaviour and ecological roles of insects. They develop ways to protect crops, animals and human health from harmful insects and to use beneficial ones.

2 At a glance

Stream	Science / Agriculture (PCB)
Minimum qualification	B.Sc/M.Sc in Entomology
Key Sector	Pest management & research
Avg Starting Salary	₹4–6 LPA

3 What you need

INTERESTS

- Interest in studying insects and nature
- Working with hands and in the field
- Problem-solving and experimenting

ABILITIES

- Keen observation and analysis
- Understanding relationships between things
- Working with instruments and software

KEY SKILLS

- Insect identification and taxonomy
- Biological control techniques
- Knowledge of pesticides and safe use
- Integrated Pest Management (IPM)
- Laboratory and field survey methods
- Research writing and data analysis

4 How to get there

- 1 Complete Class 10+2 Science (Physics, Chemistry, Biology).

- 2 Pursue a B.Sc in Entomology/Agriculture/Zoology.
- 3 Do an M.Sc in Entomology or a related subject.
- 4 Appear for ICAR AIEEA / JET for admission.
- 5 For research, clear ICAR ARS-NET / CSIR-UGC NET or do a PhD.
- 6 Self-employment as an IPM specialist is also possible.

MAIN EXAMS

- ICAR AIEEA (UG & PG admission)
- CSIR-UGC NET (Life Sciences)
- GATE (Life Sciences/Agriculture)
- ICAR ARS-NET (scientist recruitment)
- Rajasthan JET / Pre-PG

5 Where to study**GOVERNMENT INSTITUTES**

- SKRAU, Bikaner — Bikaner, Rajasthan (<https://www.raubikaner.org/>)
- SKN Agriculture University, Jobner — Jobner, Jaipur (<https://www.sknu.ac.in/>)
- MPUAT, Udaipur — Udaipur, Rajasthan (<https://www.mpuat.ac.in/>)
- ICAR-IARI, New Delhi — New Delhi (<https://www.iari.res.in/>)
- ICAR-NBAIR, Bengaluru (कीट संसाधन) — Bengaluru, Karnataka (<https://www.nbair.res.in/>)
- UAS, Bengaluru — Bengaluru, Karnataka

PRIVATE INSTITUTES

- Vivekananda Global University — Jaipur, Rajasthan
- Amity University — Noida, Uttar Pradesh
- Banasthali Vidyapith (महिलाओं हेतु) — Niwai, Tonk

ONLINE

- IGNOU (जीव विज्ञान कार्यक्रम) — Distance learning (India)
- SWAYAM ऑनलाइन पाठ्यक्रम — Online (India)

FEES

Course fees can be about ₹30,000–₹2 lakh/year, depending on the institute and course.

SCHOLARSHIPS

- ICAR National Talent Scholarship (<https://icar.org.in/>)

- Rajasthan CM Higher Education Scholarship (<https://hte.rajasthan.gov.in/>)
- National Scholarship Portal (NSP) (<https://scholarships.gov.in/>)

6 What the work is like

WHERE YOU WORK

Locust control department, agri-advisory services, horticulture and forestry research institutes, universities, the pesticide industry and international NGOs.

WORK CULTURE

Mostly field work; peak seasons bring field visits and long hours; local travel is common.

WHO HIRES

- Locust Warning Organisation (Govt of India)
- State agriculture universities
- Krishi Vigyan Kendras (KVK)
- ICAR institutes and NBAIR
- Pesticide and agri-chemical companies
- Seed and bio-control companies

DEMAND (2026)

Demand for entomologists is rising in states like Rajasthan due to climate change, new invasive species (e.g. fall armyworm) and locust risks.

7 Career growth

- 1 Entomology Research Associate / Scientist
- 2 Senior Scientist (Entomology)
- 3 Principal Scientist / IPM Specialist
- 4 Head of Research / Consultant

EARNINGS

Starting	₹4-6 लाख/वर्ष
Mid level	₹8-15 लाख/वर्ष
Senior level	₹18-30 लाख/वर्ष+

Salary depends on sector (govt/private), experience and role; running one's own IPM practice is also possible.

8 The good parts · The challenges

The good parts

- Blend of research and field work
- Meaningful contribution to food security
- Government, private and self-employment options

The challenges

- Long, irregular hours in peak season
- Risk of exposure to pesticides
- PhD often needed for senior research roles

9 Real-life journeys

Dr. Kolla Sreedevi

Insect Taxonomist, ICAR National Fellow (NBAIR)

Dr. Kolla Sreedevi is a Principal Scientist at ICAR-NBAIR, Bengaluru, and has described over 22 new species of white grubs (Sericini). Completing her PhD after a nearly ten-year gap, she became the first insect taxonomist to win the ICAR National Fellow — an inspiration for women in science.

Indian Entomologist · <https://www.indianentomologist.org/post/dr-kolla-sreedevi-an-insect-taxonomist-conferred-with-prestigious-icar-national-fellow>

Dr. Rahul Kumar

Entomologist & Assistant Professor (Arthropod Taxonomy)

Dr. Rahul Kumar is an Associate Editor of Indian Entomologist and Head of Zoology at Sheodeni Sao College (Magadh University). Trained at JNU, AIIMS and ICAR-IARI, he researches mimicry, arthropod behaviour and chemical ecology.

Indian Entomologist · <https://www.indianentomologist.org/editorial-team>

10 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/>
2. ICAR-NBAIR (agricultural insect resources) — <https://www.nbair.res.in/>
3. Indian Entomologist — <https://www.indianentomologist.org/>
4. SKRAU Bikaner — <https://www.raubikaner.org/>
5. NIRF Ranking (Agriculture) — <https://www.nirfindia.org/>



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