



कवक विज्ञानी (मायकोलॉजिस्ट)

A mycologist studies fungi, mushrooms, yeasts and lichens. In Rajasthan, mushroom cultivation is a popular low-cost self-employment path where youth and women are earning good incomes.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/mycologist

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

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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)



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

A mycologist studies fungi, mushrooms, yeasts and lichens. In Rajasthan, mushroom cultivation is a popular low-cost self-employment path where youth and women are earning good incomes.

2 At a glance

Stream	Science (Bio/Agri)
Minimum qualification	B.Sc/M.Sc Microbiology/Botany
Selection exam	ICAR AIEEA / JET
Starting salary	₹25,000–40,000/month

3 What you need

INTERESTS

- Interest in microbes and nature
- Keeping things organised
- Doing experiments in the lab

ABILITIES

- Keen observation skills
- Patience and hygiene sense
- Problem-solving thinking

KEY SKILLS

- Fungal identification and classification
- Mushroom cultivation and management
- Microscopy and culture methods
- Product marketing and training
- Spawn (seed) preparation
- Sterile lab techniques
- Disease diagnosis and control

4 How to get there

- 1 Pass Class 12 Science (Biology/Agriculture)
- 2 Appear for JET or ICAR AIEEA/CUET entrance
- 3 Complete B.Sc Botany/Microbiology
- 4 Specialise via M.Sc Mycology/Microbiology
- 5 Do Ph.D/ARS exam to become a scientist
- 6 Or take mushroom training and start self-employment

MAIN EXAMS

- Rajasthan Joint Entrance Test (JET)
- ICAR AIEEA (UG and PG)
- CUET undergraduate entrance
- ICAR ARS-NET (scientist recruitment)

5 Where to study

GOVERNMENT INSTITUTES

- MPUAT — Udaipur (<https://www.mpuat.ac.in/>)
- SKN Agriculture University — Jobner, Jaipur (<https://www.sknau.ac.in/>)
- SKRAU — Bikaner (<https://www.raubikaner.org/>)
- CAZRI — Jodhpur
- Agriculture University Kota — Kota

PRIVATE INSTITUTES

- Banasthali Vidyapith (women only) — Niwai, Tonk
- Suresh Gyan Vihar University — Jaipur

ONLINE

- SWAYAM — Online
- IGNOU — Online
- VMOU Kota — Online

FEES

B.Sc/M.Sc costs about ₹15,000–60,000 per year at govt universities; ₹80,000–3 lakh per year at private institutes. Mushroom training can start from as little as ₹500.

SCHOLARSHIPS

- ICAR National Talent Scholarship (<https://icar.org.in/>)
- National Scholarship Portal (<https://scholarships.gov.in/>)
- Rajasthan SJE Scholarships (<https://sje.rajasthan.gov.in/>)

6 What the work is like

WHERE YOU WORK

Research labs, agri universities, mushroom/spawn units, pharma and food companies, and one's own mushroom unit.

WORK CULTURE

Work in both lab and field; hygiene and temperature control are vital. May involve 6 days a week, 8–9 hours a day.

WHO HIRES

- | | |
|---|---------------------------------------|
| • Agri universities and ICAR institutes | • Mushroom and spawn production units |
| • Pharma and biotech companies | • Food processing companies |
| • Agriculture department and KVKs | • Self-employment (mushroom farm) |

DEMAND (2026)

Rising demand for healthy diets, protein and organic food is fast increasing demand for mushroom and fungal experts; Rajasthan has big scope in spawn and training.

7 Career growth

- 1 Lab assistant / Mushroom grower
- 2 Mycologist / Research associate
- 3 Senior scientist / Fungal pathologist
- 4 Professor / Ecologist

EARNINGS

Starting	₹25,000–40,000/माह
Mid level	₹50,000–80,000/माह
Senior level	₹1,00,000+/माह

Research posts pay about ₹8–12 lakh per year; successful mushroom/spawn entrepreneurs can earn up to crores annually.

8 The good parts · The challenges

The good parts

- Low-cost self-employment potential
- Growing market and health importance
- Opportunities in research and innovation

The challenges

- Challenge of temperature and humidity control
- Risk of crop loss from contamination
- Marketing and storage problems

9 Real-life journeys

Annu Kanawat

Mushroom entrepreneur, Aamlda Organic Foods, Bhilwara

Assistant professor of agribusiness Annu Kanawat began oyster mushroom cultivation in 2020 with under ₹500. Today her startup is nearing ₹1 crore in revenue and she has trained over 1,000 people in mushroom farming free of charge.

30Stades · <https://30stades.com/farming/how-jaipur-professor-annu-kanawat-set-up-rs-1-crore-mushroom-business-aamlda-organic-foods-bhilwara-4202203>

Shanker Meena

Founder, Jeevan Mushroom spawn lab, Jaipur

Quitting his MBA midway, Shanker Meena founded 'Jeevan Mushroom', Rajasthan's first commercial mushroom spawn lab, in Jaipur in 2017. It now produces around 80 tonnes of spawn a month and trains growers across India.

The Better India · <https://thebetterindia.com/482406/jeevan-mushroom-rajasthan-spawn-lab-startup/>

10 Sources & further reading

1. Rajasthan Career Guidance: Mycologist — <https://cg.rajasthan.gov.in/careerguidance/>
2. ICAR AIEEA entrance — <https://icar.org.in/>
3. SKN Agriculture University Jobner — <https://www.sknau.ac.in/>



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