



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

पादप रोग विशेषज्ञ

Plant Pathologists study plant diseases, their causes (fungi, bacteria, viruses) and control. Their work is vital for crop production, food security and environmental sustainability.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/plant-pathologist

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

www.gsssjethantri.in · career.gsssjethantri.in



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

Plant Pathologists study plant diseases, their causes (fungi, bacteria, viruses) and control. Their work is vital for crop production, food security and environmental sustainability.

2 At a glance

Stream	Agriculture / Science (PCB)
Minimum qualification	M.Sc/Ph.D in Plant Pathology
Key Sector	Crop disease management & research
Avg Starting Salary	₹4–6 LPA

3 What you need

INTERESTS

- Interest in studying plants and diseases
- Experimenting and systematic planning
- Solving problems

ABILITIES

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

KEY SKILLS

- Plant disease identification and diagnosis
- Disease epidemiology
- Laboratory and molecular diagnostics (PCR, etc.)
- Microbiology and mycology
- Integrated disease management techniques
- Research writing and data analysis

4 How to get there

- 1 Complete Class 10+2 Agriculture/Science (Physics, Chemistry, Biology).
- 2 Pursue a B.Sc in Agriculture/Botany/Crop Science/Biochemistry.
- 3 Do an M.Sc in Plant Pathology/Microbiology/Biotechnology.
- 4 Appear for ICAR AIEEA / JET for admission.
- 5 For research, pursue a Ph.D and clear ICAR ARS-NET.
- 6 Gain field experience through internships and research.

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

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

PRIVATE INSTITUTES

- Vivekananda Global University — Jaipur, Rajasthan
- Suresh Gyan Vihar University — Jaipur, Rajasthan
- 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 ₹10,000–₹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

Agricultural research institutes and centres, agriculture universities, government agriculture departments, and private seed and agri-chemical companies.

WORK CULTURE

Work spans lab and field; local travel for disease surveys; typically 6 days a week, about 8–9 hours a day.

WHO HIRES

- | | |
|------------------------------------|------------------------------------|
| • ICAR institutes and IARI | • State agriculture universities |
| • Rajasthan Agriculture Department | • Seed and agri-chemical companies |
| • Krishi Vigyan Kendras (KVK) | • Bio-control and diagnostic labs |

DEMAND (2026)

Demand for plant pathologists is rising in both research and industry due to new crop diseases, climate change and the need for disease-resistant varieties.

7 Career growth

- 1 Agriculture Officer (Plant Protection)
- 2 Senior Scientist (Plant Pathology)
- 3 Principal Scientist (Plant Pathology)
- 4 Head of Research Division

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 rank; a PhD helps in research.

8 The good parts · The challenges

The good parts

- Direct contribution to food security
- Blend of research and field work
- Opportunities in government and private sectors

The challenges

- Field work and disease-survey travel
- PhD needed for senior research roles
- Demands patience and precision in the lab

9 Real-life journeys

Dr. Prabha Kalathingal

Scientist (Plant Pathology), ICAR-Directorate of Floriculture Research

After a B.Sc in Agriculture from Kerala Agricultural University, Prabha Kalathingal earned an M.Sc and PhD in Plant Pathology (plant virology) from ICAR-IARI. She now researches viral and phytoplasma diseases of flower crops in Pune and has worked on the genome of Indian citrus ring spot virus.

The Interview Portal · <https://theinterviewportal.com/2020/02/28/plant-pathologist-interview-7/>

Dr. B. B. Mundkur

Plant Pathologist & Mycologist, Founder of the Indian Phytopathological Society

Dr. B. B. Mundkur (1896–1952) is regarded as a pioneer of modern Indian plant pathology. After a PhD from Iowa, he researched at ICAR-IARI, founded the Indian Phytopathological Society in 1947 and wrote foundational works on India's smut diseases. A fungal genus, Mundkurella, is named in his honour.

Wikipedia · https://en.wikipedia.org/wiki/B.B._Mundkur

10 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/>
2. Indian Phytopathological Society — <https://www.ipsdis.org/>
3. ICAR-IARI Division of Plant Pathology — <https://www.iari.res.in/>
4. SKN Agriculture University, Jobner — <https://www.sknu.ac.in/>
5. NIRF Ranking (Agriculture) — <https://www.nirfindia.org/>



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