



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

विषय विशेषज्ञ (कृषि)

A Subject Matter Specialist (SMS) is an expert in a specific agricultural field at a Krishi Vigyan Kendra (KVK) who trains farmers, spreads new technologies and solves their problems.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/agri-subject-specialist

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

A Subject Matter Specialist (SMS) is an expert in a specific agricultural field at a Krishi Vigyan Kendra (KVK) who trains farmers, spreads new technologies and solves their problems.

2 At a glance

Stream	Agriculture / Science (PCB)
Minimum qualification	M.Sc in Agriculture (specialisation)
Work mode	Krishi Vigyan Kendra (KVK)
Avg Starting Salary	₹7–10 LPA

3 What you need

INTERESTS

- Solving farmers' problems
- Planning and delivering training
- Working with and for people

ABILITIES

- Deep technical knowledge of the subject
- Working with instruments and software
- Communication and training ability

KEY SKILLS

- Advanced knowledge of specialisation (agronomy/horticulture/animal science)
- Extension and communication skills
- Report writing and documentation
- Farmer training and demonstrations
- Front-line demonstration and trial management
- Use of digital agriculture tools

4 How to get there

- 1 Complete Class 10+2 Agriculture/Science (Physics, Chemistry, Biology).
- 2 Pursue a B.Sc (4 years) in Agriculture.
- 3 Do an M.Sc in a subject (Agronomy, Horticulture, Entomology, Soil Science, etc.).
- 4 Appear for JET / ICAR AIEEA for admission.
- 5 Clear ICAR ARS-NET or KVK/ASRB recruitment exams.
- 6 Start as SMS and progress to Senior Scientist.

MAIN EXAMS

- ICAR ARS-NET (scientist recruitment)
- ICAR AIEEA (UG & PG admission)
- ICAR JRF/SRF fellowship
- ASRB / KVK recruitment (SMS posts)
- 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
- Agriculture University, Jodhpur — Jodhpur, Rajasthan
- MANAGE, Hyderabad (प्रसार प्रबंधन) — Hyderabad, Telangana (<https://www.manage.gov.in/>)

PRIVATE INSTITUTES

- Vivekananda Global University — Jaipur, Rajasthan
- Suresh Gyan Vihar University — Jaipur, Rajasthan
- Banasthali Vidyapith (महिलाओं हेतु) — Niwai, Tonk

ONLINE

- IGNOU (कृषि व प्रसार) — Distance learning (India)
- MANAGE ऑनलाइन प्रशिक्षण — Online (India)

FEES

B.Sc/M.Sc fees in government agriculture universities are about ₹20,000–₹1.5 lakh/year; private institutes can cost more.

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

Krishi Vigyan Kendras (KVK), agri-advisory and training centres, agriculture universities, NGOs and international bodies, and agri-tech companies.

WORK CULTURE

Field-based work; direct interaction with farmers and local travel; typically 6 days a week, about 8 hours a day.

WHO HIRES

- | | |
|--------------------------------------|----------------------------------|
| • Krishi Vigyan Kendras (ICAR/State) | • State agriculture universities |
| • Rajasthan Agriculture Department | • Agri NGOs and FPOs |
| • Seed and agri-input companies | • Agri-tech startups |

DEMAND (2026)

Demand stays steady due to the expanding nationwide KVK network and the need to take new technology to farmers.

7 Career growth

- 1 Subject Matter Specialist (SMS)
- 2 Senior Scientist & Head (KVK)
- 3 Principal Scientist / Programme Coordinator
- 4 Director (Extension) / Consultant

EARNINGS

Starting	₹7-10 लाख/वर्ष
Mid level	₹12-18 लाख/वर्ष
Senior level	₹20-30 लाख/वर्ष+

Based on government/ICAR pay scales; varies with experience, rank and institute.

8 The good parts · The challenges

The good parts

- Direct, meaningful impact on farmers
- Specialised, respected role
- Blend of research and extension

The challenges

- Field work and frequent travel
- Competitive recruitment exams
- Administrative and reporting load

9 Real-life journeys

Dr. Poonam Jasrotia

ICAR's first woman ADG (Plant Protection & Biosafety)

Entomologist Dr. Poonam Jasrotia worked on integrated pest management and biological control at ICAR-IIWBR, Karnal. After research in Israel and the USA, she became ICAR's first woman Assistant Director General (Plant Protection) — a model of women's leadership in agricultural science.

Indian Entomologist · <https://www.indianentomologist.org/post/trailblazing-in-plant-protection-an-interview-with-dr-poonam-jasrotia-icar-s-first-woman-adg-pp>

Dr. Vijay Varanasi

Agriculture & Horticulture Scientist (PhD in Plant Sciences)

Raised in New Delhi, Vijay Varanasi earned a gold-medal B.Sc in Agriculture and an M.Sc in Horticulture from Gujarat Agricultural University, then a PhD in Plant Sciences in the USA. His path from field research to molecular biology and crop improvement shows the depth of agricultural specialisation.

The Interview Portal · <https://theinterviewportal.com/2022/03/28/plant-scientist-horticulturist-interview/>

10 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/>
2. MANAGE (extension management) — <https://www.manage.gov.in/>
3. ICAR Scientist Recruitment (ASRB) — <http://asrb.org.in/>
4. SKN Agriculture University, Jobner — <https://www.sknau.ac.in/>



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