VIRTUAL TRAINING ON

Practical Approaches for Effective Use of Biofertilizers in Rabi Crop Production

01- 03 Dec, 2026



About the Training Programme

As agriculture faces the dual challenge of escalating chemical input costs and shifting weather patterns, biological interventions offer a sustainable way forward. This training program is specifically designed to bridge laboratory research with field reality, focusing on the pragmatic deployment of microbial inoculants in major *Rabi* crops like Wheat, Mustard, Chickpea, Barley, and Field Pea.

This program includes key training modules on targeted microbial strains for nitrogen, phosphate, potassium, zinc, and iron mobilization. It addresses strategies to overcome inoculant survival challenges within high-input crop rotations, compliance with national quality control parameters, and shelf-life standards comparing liquid and carrier-based formulations. Participants will also receive practical troubleshooting guidance for seed treatment methods and field-level applications.

Division of Microbiology

ICAR-Indian Agricultural Research Institute, New Delhi - 110012

Schedule of the training

Date	Module	Key Talk / Lecture Title	Speaker / Expert
01 Dec 2026 (Tue)	Inaugural Session	Inauguration and Overview of the Training Programme	**Dr. Sangeeta Paul**, Head, Div. of Microbiology, IARI
	Sustainable application of microbial resources	Microbial Inoculants for *Rabi* Crop Nutrition and Abiotic Stress Management	**Dr. Sangeeta Paul**, Head, Div. of Microbiology, IARI
	Sustainable application of microbial resources	Significance of Rhizobial inoculation on *Rabi* pulses	**Dr. K. Swarnalakshmi**, Principal Scientist, Div. of Microbiology, IARI
02 Dec 2026 (Wed)	Integrated nutrient Management	The Role of Cyanobacterial Biofertilizers in Agroecological Transformation	**Dr. Pranita Jaiswal**, Principal Scientist, CCUBGA, Div. of Microbiology, IARI
	Integrated nutrient Management	Microbial Interventions: Transitioning Crop Production from Chemical Dependency to Sustainable Climate-Resilience	**Dr. Minakshi Grover**, Principal Scientist, Div. of Microbiology, IARI
	Quality control	Quality Control Parameters, Shelf-Life Standards and Purity Testing of Microbial Inoculants	**Dr. Brijesh K. Mishra**, Principal Scientist, Div. of Microbiology, IARI
03 Dec 2026 (Thu)	Resource Conservation Technologies	Efficient Mycorrhizal Strategies for Enhancing Crop Productivity and resource conservation under minimal and zero tillage systems	**Dr. Seema Sangwan** Sr. Scientist, Div. of Microbiology, IARI
	Resource Conservation Technologies	Application of Natural farming practices in relation to microbial activities in soil- plant continuum	**Dr. Jairam Choudhary** Scientist, Div. of Microbiology, IARI
	Sustainable application of microbial resources	Novel bioformulations for climate smart agriculture	**Dr. Krishnashis Das** Scientist, Div. of Microbiology, IARI
	Quality control	Open House Discussion: Troubleshooting Seed Treatments and Field Application	**Dr. Vijaya Rani**, Scientist, CCUBGA, Div. of Microbiology, IARI
	Valedictory Session	Participant Interaction and Valedictory Programme	Training Coordinators

Participation Details



Target Participants

- Scientists of ICAR Institutes
- Faculty, State Agricultural Universities
- KVK Scientists
- Research Associates
- M.Sc . and Ph.D. Scholars
- Extension Professionals
- Government Officials
- Young Professionals in NRM

✓ ***Participants will receive a certificate upon successful completion of the training programme***

MODE	SESSION TIMINGS	REGISTRATION FEE (Non-refundable)
Virtual (Zoom Platform)	02:30 PM - 05:30 PM (IST)	Rs. 1000/- only

Selection Criteria

- Limited seats available; selection on a first-come, first-served basis
- Preference to applicants from Microbiology, Soil Science, Agronomy, Environmental Sciences and allied disciplines

Bank Account Details:
A/C Holder:- Director, ICAR-IARI
Bank:- Canara Bank
Branch:- Pusa Campus, New Delhi
IFSC:-CNRB0019029
A/C No.:- 90293050000017

Expected Learning Outcomes

- Microbial resources for agriculture
- Integrated nutrient management
- Sustainable natural resource management
- Climate-smart, resilient microbial technologies

Link to register:
https://forms.gle/9bENHcZ99R1Yjbyu7

TRAINING COORDINATORS

Dr. Brijesh Kr. Mishra
Principal Scientist

Dr. Pranita Jaiswal
Principal Scientist

Dr. Krishnashis Das
Scientist

TRAINING CO-COORDINATORS

Dr. Seema Sangwan
Sr. Scientist

Dr. Jairam Choudhary
Scientist

Dr. Vijaya Rani
Scientist

Contact:

Head, Division of Microbiology
ICAR-Indian Agricultural Research Institute (IARI), New Delhi – 110012
Email: head_micro@iari.res.in / bkmmicro@gmail.com