

**One-week
Hands-on Training Programme
on
Biofertilizer Production Technology
and its Application in Rice Cultivation**

ICAR - CRRI
BIOFERTILIZER PRODUCTION UNIT
Funded by: ICAR, Odisha



**One-week
Hands-on Training Programme
on
Biofertilizer Production Technology
and its Application in Rice Cultivation
8 – 15 October, 2026**



Sponsored by
Department of Agriculture & Farmers' Empowerment (DAFE)
Govt. of Odisha

Program Director
Dr. Upendra Kumar

Organized under
ICAR-HRM Unit

Program Coordinator
Dr. P Panneerselvam

Organized by

ICAR-Central Rice Research Institute
Cuttack 753006, Odisha, India

ICAR-Central Rice Research Institute
Cuttack 753006, Odisha, India

CRRRI Biofertilizers offer a highly sustainable alternative to chemical inputs by introducing beneficial, living microorganisms that actively colonize the plant rhizosphere and enhance nutrient availability. To maximize this growth-promoting effect, the specialized CRRRI Biofertilizer Model utilizes a robust four-module framework. This comprehensive system integrates the endophytic nitrogen-fixing bioinoculant NRRI Endo N, the multi-nutrient liquid consortium NRRI Endo NPK, the straw-to-compost formulation NRRI Tech Decomposer, and the bio-nitrogen green manure Azolla. Together, these technologies leverage natural biological pathways, such as nitrogen fixation and phosphorus solubilization, to restore long-term soil microbial health while successfully reducing reliance on chemical fertilizers by 25 percent.

In view of the above, to build technical expertise and promote clean agricultural technologies, the Crop Production Division of ICAR-CRRRI, Cuttack is organizing a one-week Hands-on Training Programme on Biofertilizer Production Technology and its Application in Rice Cultivation from 8-15 October, 2026. The training is specifically tailored for ICAR Scientists and will cover comprehensive topics including the microbiology of biofertilizer organisms. Participants will explore liquid biofertilizer production and Azolla cultivation. The curriculum also includes a review of the regulatory framework under Fertilizer Control Order standards. In this regard, it is requested to nominate suitable scientists from your institute to attend this training programme.

Course content :

1. Introduction to Biofertilizers
2. Microbiology of Biofertilizers & Laboratory Orientation
3. Production Technology of Carrier-Based Biofertilizers
4. Azolla Production, BGA Cultivation
5. Exposure to On-Campus Biofertilizer Unit
6. Application Methods in Rice & Field Visit to Experimental Farm
7. Research Frontiers, Regulatory Framework & Valedictory

Duration : 7 days (8-15 October, 2026)

Eligibility : Scientists working at ICAR Institutes are eligible to be nominated for this programme.

Residential Facilities: Free lodging and boarding facilities will be provided to the selected candidates during the training period at the ICAR-CRRRI campus, Cuttack.

Travel Allowances: No TA or DA will be paid by ICAR-CRRRI. The nominating institutes or organizations must bear the transit expenses of their participants.

Nomination Deadline: Kindly send the formal nomination before **05.10.2026** to ensure selection, which operates strictly on a first-come, first-served basis. Nominations containing the participant details may be forwarded via email to nrribioposhak@gmail.com and submitted through the online registration form link <https://forms.gle/wRS3ST9N4Doh4R2o6>

Course Material: A comprehensive compendium of lecture notes and participation certificates will be awarded upon successful completion of the training.

Location: The venue of the training programme is ICAR-Central Rice Research Institute, Cuttack, Odisha, 753006, which is well connected by train and road.

Contact Person:

Dr. Upendra Kumar

Program Director &
Senior Scientist
Crop Production Division
ICAR-CRRRI-Cuttack
Mobile: 7978218576

Dr. P Panneerselvam

Program Coordinator, &
Principal Scientist
Crop Production Division
ICAR-CRRRI-Cuttack
Mobile: 8967274673