



## Organizing Committee

**Chief Patron:** Dr. Dheer Singh  
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ICAR-NDRI, Karnal

**Patron:** Dr. A.K Singh  
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Dr. Rajan Sharma  
J.D. (Research)  
ICAR-NDRI, Karnal

**Course Director:** Dr. Rajesh Kumar Meena  
Scientist (S.S.) Agronomy

**Coordinators:** Dr. Anurag Saxena  
PS & In-charge, Agronomy  
Dr. Hardev Ram  
Senior Scientist, Agronomy

## Important dates to be remembered

Online registration begins on:

**04/01/2024**

Online registration closes on:

**19/01/2024**

Notification to the shortlisted participants:

**21/01/2024**

## Registration link:

<https://forms.gle/YNkg4pZYm5qsmLzx7>



Address for correspondence:

**Dr. Hardev Ram**

Co- Organizing Secretary

**Agronomy Section**

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## National Workshop On Natural Farming Could Be a Game Changer Agro-Practice for Dairy-Based Farming in India

**15 Feb-22 Feb 2024**



*Sponsored by:*

Science and Engineering Research Board (SERB)  
Department of Science and Technology  
Government of India  
(Under the Accelerate Vigyan Scheme)



*Organizer and venue*

**Agronomy Section**

**ICAR- National Dairy Research Institute**

**Karnal- 132001, Haryana**

**[www.ndri.res.in](http://www.ndri.res.in)**



Natural farming, with its emphasis on ecological harmony and resource sustainability, presents a transformative opportunity for dairy-based farming in India. By eschewing synthetic inputs and relying on indigenous knowledge and biological processes, natural farming methods align with India's agro-ecological diversity and its cultural ethos of reverence for nature. The integration of crop and livestock farming, a hallmark of natural farming, enables a closed-loop system where waste from dairy animals serves as organic fertilizer for crops, thereby enhancing soil fertility and reducing dependency on external inputs. This synergy not only boosts fodder production, essential for dairy animals, but also mitigates the environmental impact, setting a precedent for a resilient and self-sustaining agricultural model. Moreover, natural farming practices could enhance the nutritive value of dairy products by improving the quality of fodder, potentially leading to a higher market value and consumer preference. With the dairy sector being a pivotal part of India's rural economy, natural farming could indeed be a game changer, fostering socio-economic benefits and leading to a greener revolution in the agricultural tapestry of India.

### **Tentative topics of the workshop**

1. Natural farming- an overview
2. Natural farming vs organic farming

3. Role of Natural Farming to ensuring sustainability in Agriculture
4. Components of natural farming
5. Importance of livestock in natural farming
6. Major input resources in natural farming
7. Soil health and its importance
8. Practicality of natural farming in the dairy-based farming system
9. Jivamuratha- principals and method of preparation
10. Ghanjeevamrit and Bijamuratha- principals and method of preparation
11. Role of composting in natural farming
12. Use of endogenous earthworm species in nutrient transformation
13. nutrient transformation
14. Natural Farming and Rural Entrepreneurship Development in a harmonious way
15. Integrated natural farming system

### **Who Can Participate?**

#### **Essential criteria**

Postgraduate and Ph.D. students enrolled in any University/State Agricultural University/Deemed University/ Research Institute. A total of 25 participants will be shortlisted for attending this workshop as per the SERB guidelines.

#### **Desirable criteria**

Postgraduate and Ph.D. students who already prepared/ preparing their research proposal or planning to do their thesis research on the natural farming, organic farming or biodynamic farming and/or forage production domain may apply for this workshop.

**Submission of application** Interested eligible candidates can register through google form link,

<https://forms.gle/YNkg4pZYm5qsmLz7>

by uploading application form duly signed by the Recommending Authority/Head of the Department on or before 19<sup>th</sup> January 2024. Only selected candidates will be informed by email/phone, therefore the candidates must provide active E-mail IDs and phone while doing the online registration. The selected candidates will have to acknowledge and accept the offer for participating in the workshop through return email or phone, failing which the waitlisted candidates may be called for the workshop.

**Registration Fees:** Rs. 500/- (Rupees Five Hundred) only. Shortlisted participants will be asked to submit non-refundable registration fees of Rs. 500/- (Rupees Five Hundred) only to confirm their participation. Bank information will be sent to the shortlisted candidate separately via email.

### **How to reach NDRI, Karnal?**

Karnal is well connected with major cities of India by road and rail. The distance from New Delhi to Karnal is around 130 Km, which can be covered by road/rail in about 2.5 hr. Frequent train services are available from New Delhi/Delhi railway stations. State-run buses ply round the clock from the Inter-State Bus Terminus (at Kashmere Gate), New Delhi. ICAR-NDRI is located very near to the Karnal bus stand and railway station. Auto-rickshaw services are available from both the bus stand and railway station to the ICAR-NDRI.

### **Boarding and Lodging**

The participants will be reimbursed to and fro travel fares by shortest rail (sleeper)/ bus route as per GOI norms on the production of valid travel documents. Outstation participants will be provided free boarding and lodging at the institute's guest house/hostel. Participants are requested not to bring their family members due to the restricted availability of accommodation and COVID-19 restrictions.