Training cum Workshop

Prevention and Sustainability in the Indian Dairy Sector for Productivity, Livelihood and Climate

Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan
October 27-29, 2026

Agenda

Day 1, Tuesday, October 27	
8:45-9:15 am	Registration
9:15-10:30 am	**Session 1: Opening session**
9:15-9:45 am	Welcome and participant introduction
9:45-10:30 am	Setting the context (20 mins) **Amit Khurana**, Director, Sustainable Food Systems Programme, CSE *Q&A (5 mins)* Framing presentation: Prevention and sustainability in the Indian dairy sector (15 mins) **Rajeshwari Sinha**, Sr. Programme Manager, Sustainable Food Systems Programme, CSE *Q&A (5 mins)*
10:30-11:00 am	**Group photo and tea/coffee**
11:00 am-2:45 pm	**Session 2: Managing disease and animal health to reduce antibiotic use**
11:00-11:45 am	NDDB's approach to disease management in Indian dairy cooperative sector (30 mins) **A V Hari Kumar**, General Manager, Animal Health Div., National Dairy Development Board (online) *Q&A (15 mins)*
11:45 am-12:30 pm	Case study: Madhya Pradesh's initiatives in dairy disease management (30 mins) **Jayant Tapase**, Jt. Director, State Animal Disease Investigation Laboratory, Animal Husbandry Dte., Madhya Pradesh (online) *Q&A (15 mins)*
12:30-1:30 pm	**Lunch**
1:30-2:15 pm	Biosecurity and farm management frameworks, practice and GADVASU's biosecurity scorecard (30 mins) **Pankaj Dhaka**, Asst. Professor, Centre of One Health, College of Veterinary Science, Guru Angad Dev Veterinary and Animal Sciences University, Punjab (online) *Q&A (15 mins)*
2:15-2:35 pm	Interventions by participants (5-6 mins each) • Keshav Kumar, Jt. Director and State Nodal Officer (Nand Baba Dugh Mission), Dept. of Animal Husbandry, Uttar Pradesh • Gaurang Sharma, Vet. Officer, Vet. Hospital Machari (Alwar distt.), Department of Animal Husbandry, Rajasthan • C B Singh, Representative, Indian Dairy Association and Dy General Manager, NDDB Dairy Services
2:35-3:00 pm	Open discussion

3:00-3:15 pm	**Tea/Coffee**
3:15-5:30 pm	**Session 3: Ethnoveterinary medicine (EVM) practices for prevention and productivity**
3:15-3:30 pm	Survey on awareness related to EVM use (25 mins)
3:30-4:30 pm	MASTERCLASS - Ethnoveterinary medicines: principles, practices and mainstreaming (40 mins) **N. Punniamurthy**, Professor Emeritus, TD University, Bangalore *Q&A (20 mins)*
4:30-5:30 pm	Demonstration exercise on ethnoveterinary medicine preparation **N. Punniamurthy**, Professor Emeritus, TD University, Bangalore
5:30-6:00 pm	Scientific evidence supporting EVM in management of dairy diseases (20 mins) **Ratheesh M**, Associate Professor, Dept. of Biochemistry, St. Thomas College, Kerala (online) *Q&A (10 mins)*
Day 2, Wednesday, October 28	
7:15-8:00 am	Getting to know AAETI and campus tour (Assembly point: Lawns in front of academic block) **Sarabjeet Randhawa**, Director, AAETI
9:10-9:30 am	Reflections from day 1
9:30-9:45 am	Case study: Practice evidence on use of EVM (20 min) **Shialendra Kumar**, Productivity Enhancement Services In-charge, Harit Pradesh Milk Producer Company Ltd., Uttar Pradesh *Q&A (10 mins)*
9:45 am-12:45 pm	**Session 4: Breed improvement for productivity and resilience**
9:45-10:30 am	Livestock breeds for resilience (30 mins) **Vibha Varshney**, Principal Programme Manager, Biodiversity and Food, CSE *Q&A (15 mins)*
10:30-11:00 am	Case study: BAIF strategies for indigenous breed conservation and genetic improvement (25 mins) **R L Bhagat**, Advisor, Central Research Station, BAIF (online) *Q&A (5 mins)*
11:00-11:20 am	**Tea/coffee**
11:20-12:05 pm	Case study: Conservation, breeding and promotion of indigenous Sahiwal cattle (30 mins) **Ram Singh**, National Gopal Ratna Awardee & Progressive dairy farmer, Professor of Practice, ICAR-National Dairy Research Institute *Q&A (15 mins)*
12:05-1:00 pm	Interventions by participants (5 mins each) and open dscussion • Pooja Rathor, Vet. Officer (Jersy Farm Palampur, Kangra distt.), Dte. of Animal Husbandry, Himachal Pradesh • Robin Kaura, Dairy Devt. Inspector (SAS Nagar), Dairy Devt. Dept., Punjab • Om Prakash Gupta, Dairy Devt. Officer (Katihar), Dairy, Fisheries & Animal Resources Dept, Bihar • Ramesh Chandra, Dy. Chief Vet. Officer, Dept. of Animal Husbandry, Uttar Pradesh • Kamal Singh, Addl. Dy. Director, State Animal Disease Investigation Laboratory, Directorate of Animal Husbandry and Dairying, Madhya Pradesh
1:00-2:00 pm	**Lunch**
2:00-5:45 pm	**Session 5: Nutrition, emissions and mitigation in dairy sector**

2:00-2:45 pm	Fodder resources and availability: practice and challenges in the Indian dairy sector (30 mins) **D R Malaviya**, Ex-Head & Pr. Scientist (Plant Breeding), Indian Grassland & Fodder Research Institute *Q&A (15 mins)*
2:45-3:30 pm	Feed for dairy sector: nutrition, climate and economics (30 mins) **Avimuktesh Bhardwaj**, Chief Operating Officer, Back to Village *Q&A (15 mins)*
3:30-3:45 pm	Open discussion
3:45-4:00 pm	**Tea/coffee**
4:00-4:30 pm	GHG emissions from the Indian livestock sector: scale and potential mitigation options (20 mins) **Neeraj Kumar**, Dy. Programme Manager, Sustainable Food Systems Programme, CSE *Q&A (10 mins)*
4:30-5:00 pm	Case study: Maharashtra Methane Mission (M3) project: learnings and challenges (20 mins) **Vidhi Gaur**, Co-founder and Director – Carbon, eVerse.AI *Q&A (10 mins)*
5:00-5:30 pm	NDDB initiatives on manure management for climate change mitigation (20 mins) **Ashish Kokale,** Project Executive, NDDB Mrida Limited, Anand (online) *Q&A (10 mins)*
5:30-5:45 pm	Case study: Biogas production-a new approach using Napier grass (10 mins) **Sanjay Bharadwaj**, Miracles AgriGreen Solutions Pvt. Ltd. (online) *Q&A (5 mins)*
5:45-6:00 pm	Open discussion
6:30 pm onwards	**Evening get together over Indian snacks**
Day 3, Wednesday, October 29	
6:30-7:30 am	Trek to Aravalli hills
9:10-9:30 am	Reflections from day 2
9:30 am-12:15 pm	**Session 6: Safe milk for nutrition and livelihood**
9:30-10:15 am	Ensuring safety in milk supply chain (30 mins) **Shubhankar Nanda**, Group Head, Coordination, MP State Cooperative Dairy Federation *Q&A(15 mins)*
10:15-11:00 am	Case study: Practices in production of organic milk (30 mins) **Deepak Raj Tushir**, Co-Founder, Binsar Farms *Q&A (15 mins)*
11:00-11:20 am	**Tea/coffee**
11:20 am-12:05 pm	Making vet extension system effective for safe milk for consumers and improved livelihood for farmers (30 min) **Kuldeep Sharma**, Dairy Advisor and Founder, Suruchi Consultants (online) *Q&A (15 mins)*
12:05-12:15 pm	Open discussion
12:15-12:45 pm	Wrap up, certificate distribution and participant feedback
12:45 pm onwards	**Lunch and dispersals**

List of participants

1. Birmani Kumar, District Dairy Development Officer (Kishanganj), Dairy, Fisheries and Animal Resources Dept, Bihar
2. C B Singh, Representative, Indian Dairy Association and Dy General Manager, NDDB Dairy Services
3. Diksha Dhiman, Veterinary Officer, Vet. Hospital (Sudhar, Mandi distt.), Directorate of Animal Husbandry, Himachal Pradesh
4. Gaurang Sharma, Veterinary Officer, Vet. Hospital (Machari, Alwar distt.), Department of Animal Husbandry, Rajasthan
5. Gautam Kumar, District Dairy Development Officer (Buxar), Dairy, Fisheries and Animal Resources Department, Bihar
6. Hemant Velankar, Dy Director, Veterinary Disease Diagnostic Laboratory, Indore, Directorate of Animal Husbandry and Dairying, Madhya Pradesh
7. Kamal Singh, Addl Dy Director, State Animal Disease Investigation Laboratory, Directorate of Animal Husbandry and Dairying, Madhya Pradesh
8. Karan Bhagat, Dairy Development Inspector (Gurdaspur), Dairy Development Department, Punjab
9. Keshav Kumar, Jt Director, HQ and State nodal for Nand Baba Dugh Mission (NBDM), Department of Animal Husbandry, Uttar Pradesh
10. Ketan Sharma, Dairy Development Inspector (Tarntaran), Dairy Development Department, Punjab
11. Maninder Singh, Veterinary Officer, Veterinary Hospital (Sodawas, Khairthal-Tijara distt.), Department of Animal Husbandry, Rajasthan
12. Mohit Gupta, Veterinary Officer, Veterinary Hospital (Chandoli, Alwar distt.), Department of Animal Husbandry, Rajasthan
13. Nishchal Thakur, Dairy Development Inspector (Rupnagar), Dairy Development Department, Punjab
14. Om Prakash Gupta, District Dairy Development Officer (Katihar), Dairy, Fisheries and Animal Resources Dept, Bihar
15. Parveen Kumar, Progressive Farmer, Travadi village, Haryana
16. Pooja Rathor, Vet. Officer, Jersy Farm (Palampur, Kangra distt.), Directorate of Animal Husbandry, Himachal Pradesh
17. Ramesh, Dy Chief Veterinary Officer, Department of Animal Husbandry, Uttar Pradesh
18. Ramesh Singh Yadav, Dy Chief Vet. Officer (Sadar, Banda) and Nodal Officer (NBDM, Banda), Dept. of Animal Husbandry, Uttar Pradesh
19. Robin Kaura, Dairy Development Inspector (SAS Nagar), Dairy Development Department, Punjab
20. Shailendra Kumar, Productivity Enhancement Services (PES) In-charge, Harit Pradesh Milk Producer Company Ltd., Uttar Pradesh
21. Shubhankar Nanda, Group Head (Coordination), Madhya Pradesh State Cooperative Dairy Federation, Madhya Pradesh

List of resource persons

1. A V Hari Kumar, General Manager, Animal Health Division, National Dairy Development Board*
2. Amit Khurana, Director, Sustainable Food Systems Programme, CSE
3. Ashish Kokale, Project Executive, NDDB Mrida Limited, Anand*
4. Avimuktesh Bhardwaj, Chief Operating Officer, Back to Village
5. D R Malaviya, Ex-Head & Pr. Scientist (Plant Breeding), ICAR- Indian Grassland and Fodder Research Institute
6. Deepak Raj Tushir, Co-Founder, Binsar Farms
7. Jayant Tapase, Jt. Director, State Animal Disease Investigation Lab, Animal Husbandry Directorate, Madhya Pradesh*
8. Kuldeep Sharma, Dairy Advisor and Founder, Suruchi Consultants*
9. N. Punniamurthy, Professor Emeritus, TD University, Bangalore
10. Neeraj Kumar, Dy. Programme Manager, Sustainable Food Systems Programme, CSE
11. Pankaj Dhaka, Asst. Professor, Centre of One Health, College of Veterinary Science, GADVASU, Punjab*
12. R L Bhagat, Advisor, Central Research Station, BAIF*
13. Rajeshwari Sinha, Sr. Programme Manager, Sustainable Food Systems Programme, CSE
14. Ram Singh, Progressive dairy farmer and Professor of Practice, ICAR-National Dairy Research Institute
15. Ratheesh M., Associate Professor, Dept. of Biochemistry, St. Thomas College, Kerala*
16. Sanjay Bharadwaj, Miracles AgriGreen Solutions Pvt. Ltd.*
17. Vibha Varshney, Principal Programme Manager, Biodiversity and Food Programme, CSE
18. Vidhi Gaur, Co-founder and Director – Carbon, eVerse.AI

**online*