



Off-Campus Online Collaborative Training Program
on
Optimising Dairy Cattle Production Under
Changing Climate

March 18-20, 2024



Jointly Organized by-
National Institute of Agricultural Extension Management
(MANAGE) Hyderabad

&

ICAR- Central Institute for Research on Cattle
Grass Farm Road, Meerut Cantt. – 250 001



BACKGROUND

Cattle production system operates under a wide range of environmental conditions and with changing climate scenario everywhere, the cattle production has been increasingly affected. As per the estimate a quarter of the global economic impact caused by climate-related extremes were observed in agriculture sector, wherein livestock being next to the crop subsector, faces most of serious damage. Under climate change, the future of livestock sector will be increasingly challenged with the projected scarcity of resources crucial for production. Loss of production in dairy cattle under climate change scenario may be associated directly by depressing animals' adaptive response mechanisms, nutrition, altering the spread and prevalence of diseases, and causing heat stress and related welfare issues; and indirectly by compromising the availability of feed crops and quality fodders. Thus, generating understanding of climate change impacts and adaptation on dairy cattle will have important implications for the development of dairy production and the farmers.

OBJECTIVES

- To create awareness regarding changing climate and its impacts on the cattle and other livestock species.
- To impart knowledge on recent technological interventions for enhancement of dairy cattle production under the changing climate

BRIEF CONTENTS

- The global climate change *vis a vis* Indian scenario and dairy cattle adaptation.
- Nutrition and management of dairy cattle and breeding bulls under climate change.
- Health management strategies for dairy cattle and breeding bull production.
- Assisted reproductive technologies for better dairy production.

ELIGIBILITY

Extension officials of state/central animal husbandry departments, veterinarians, faculty of SAUs/KVKs/ICAR institutes and students are eligible to apply. **A candidate must be a graduate in Veterinary Science/ Animal Husbandry or allied sciences.**

HOW TO APPLY

Interested candidates can apply on MANAGE website

< <https://www.manage.gov.in/trgModule/emailRegn-webi.asp> >

and also with the help of link:

<https://www.manage.gov.in/trgModule/emailRegn.asp?tpno=LItpyear=FDFG>

LAST DATE for APPLYING on-line : 05.00 PM on March 14, 2024.

The selection of candidates and details of training program will be intimated through e-mail by 05.30 PM on March 15, 2024.

CRITERIA FOR CERTIFICATION

Participants will be awarded with CERTIFICATE after achieving full time attendance and minimum 40% score in on-line examination which will be conducted between 04.30 to 05.00 PM on March 20, 2024. Participants have to answer 25 multiple choice questions through GOOGLE FORMS.



Dr Ashok K. Mohanty
Director, ICAR-CIRC Meerut

PATRONS



Dr P. Chandra Shekara
Director General, MANAGE, Hyderabad



Dr Pramod Singh
Principal Scientist, ICAR-CIRC Meerut

PROGRAM DIRECTORS



Dr Shahaji Phand
Deputy Director, MANAGE, Hyderabad



Dr S Saha,
Principal Scientist, ICAR-CIRC Meerut

Co-COORDINATORS



Dr Sushrirekha Das
Fellow, MANAGE, Hyderabad