

- ⇒ Visit the website <http://www.iasri.res.in/cbp> or click on Capacity Building Program link under <http://www.icar.org.in>
- ⇒ Login using your user ID and Password.
- ⇒ To create user ID use “Create New Account” link.
- ⇒ After login, click on “Participate in Training” link and fill the Performa.
- ⇒ Take a printout of the application and get it approved by the competent authority of the institute.
- ⇒ Upload the scanned copy of the application through the above portal or send dully signed copy through proper channel to the Course Director of Winter School by post along with registration fee.
- ⇒ The last date of receiving the nomination is June 15, 2018. The advanced scanned copy of nomination may be sent by e-mail (headsrsndri@gmail.com) to the Course Director
- ⇒ The selected applicants will be informed by June 25, 2018.
- ⇒ The selected candidates should confirm their participation to the Course Director positively by July 5, 2018, failing which the candidature will be cancelled and the vacancy will be filled with the applicants from waiting list.

Registration fee

The participants are required to pay a sum of Rs 50/- (Rupees fifty only) as Demand Draft/ PostalOrder towards registration fee (non-refundable) in favour of ICAR Unit, NDRI, Bengaluru payable at Bengaluru branch.

Important Dates

Last date for receipt of application: **June 15, 2018**

Intimation of selection: **June 25, 2018**

Confirmation by participants: **July 5, 2018**

Patron

Dr. R.R.B. Singh, Director & Vice Chancellor, ICAR-NDRI, Karnal

Advisor

Dr. Bimlesh Mann, Joint Director (Research), ICAR-NDRI, Karnal

Course Director

Dr. K. P. Ramesha, Principal Scientist & Head, SRS of ICAR-NDRI, Bengaluru

Co-Course Directors

Dr. A. Kumaresan, Principal Scientist

Dr. D.N. Das, Principal Scientist

Course Coordinators

Dr. S. Jeyakumar, Principal Scientist

Dr. Mukund A Katakaware, Senior Scientist

Core Faculty

Dr. K. P. Ramesha, Dr. B. Srinivas, Dr. D.N. Das,

Dr. S. Jeyakumar, Dr. A. Kumaresan, Dr. Mukund A.

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Winter School on

Current Concepts and Frontier Technologies for Conservation and Improvement of Indigenous Dairy Bovine Genetic Resources

19th July 2018 to 8th August 2018



Sponsored by

Education Division

**Indian Council of Agricultural Research,
New Delhi – 110 012**

at

**ICAR-National Dairy Research Institute
Southern Regional Station
Bengaluru- 560 030**

Website: <http://www.ndri.res.in>

SRS of ICAR-NDRI, Bengaluru

Southern Regional Station of ICAR-National Dairy Research Institute, Bengaluru is the pioneering Institution in dairying and has undergone a series of changes during its history of 95 years. It had its origin in 1923 as Imperial Institute of Animal Husbandry and Dairying, established as a centre for training and research in dairying in the country. One of the memorable events of this station is that the Father of the Nation, Mahatma Gandhi along with Pandit Madan Mohan Malaviya visited the Station during 1927 and got acquainted with scientific dairy farming. This station is catering to the development of necessary technological interventions for optimum and sustainable dairy production involving complex farming systems having different variety/breeds and processing of region specific dairy products. The Station has been working on phenotypic and genetic characterization, karyological analysis, screening for genetic diseases of indigenous cattle breeds of Southern India. The Station is actively involved in registration of indigenous bovines of the region, adaptability studies and IP management. The Station is presently focussing on proteo-genomic studies to elucidate productive and reproductive performance of Malnad Gidda, Deoni, and Hallikar breeds of cattle.

Location

SRS of ICAR-NDRI is located at Adugodi, Hosur road which is in the South-east part of Bengaluru. The campus is 8 Km from city railway station/ cantonment railway station / Kempegowda bus stand, 15 km from Yeshwantpur railway station, 45 km from Bengaluru International Airport. Pre-paid taxi/auto can be availed at railway/airport/bus stations to reach the campus. Participants should make their own transport arrangements to reach the guest house. Weather during July-August is comfortable but rain is expected.

Objective of the Course

The main objective of the Winter School is to provide an opportunity to scientists, teachers, research workers and specialists working in ICAR institutes, Agricultural/Veterinary Universities and KVKs to update their knowledge and skills in order to keep abreast with the current concepts and frontier technologies for conservation of indigenous cattle, their productivity enhancement, reproductive efficiency improvement, faster multiplication of germ plasm using assisted reproductive technologies along with recent developments in Animal Genetics and Breeding and Reproduction so that the full potential of indigenous cattle are harnessed.

About the Course

Our country is blessed with huge bovine population reared under diverse production systems and agro-climatic conditions. These indigenous breeds have been developed in thousands of years through natural selection and human intervention, therefore, well adapted in their respective habitat. They are also known for their drought tolerance and disease resistance. The indigenous breeds have the ability to sustain productivity under low inputs, which makes them a crucial backbone of the country's rural economy. However, there has been change in the utility pattern of these genetic resources which has created a stiffer competition to the local breeds for their survival, which warrants immediate measures to be taken for their conservation. Recent knowledge has accumulated several innovative approaches for conservation of bovines. Updating knowledge on the recent developments in indigenous breed conservation and improvement of their productive and reproductive performance would help in wider dissemination and application of frontier technologies to conserve our valuable germ plasm. The course aims to dwell on state of the art techniques in bovine genetic resource conservation, management and improvement under

both theory and practical sessions. Recent techniques including prote-genomic approach for conservation, assisted reproductive technologies and skewing sex ratio towards female offspring for faster multiplication will also be dealt in the Winter School.

Eligibility qualification for the participants

- (i) Master's Degree in Veterinary Sciences/Animal Sciences/allied sciences.
- (ii) Working not below the rank of Assistant Professor and equivalent in the concerned subject under NARS system, ICAR, allied Institute/Agricultural / Veterinary Universities/KVKs.

Boarding and Lodging

The boarding, lodging and travel expenses of the selected participants will be borne under the training budget as per the ICAR norms. The travel expenses will be reimbursed on submission of actual tickets only and will be restricted to a maximum of II- Tier AC sleeper of shortest train or bus route. Accommodation will be provided at our Guest House on twin sharing basis. Participants are requested not to bring their family members along with them as the guest house facility available here is limited.

Assessment and Certificates

On completion of the course, the participants will be asked to make presentations and evaluation will be done to assess the understanding of the subject matter covered during the Winter School. A participation certificate will be awarded to the candidates on the successful completion of the Winter School.

How to Apply

The interested candidate should register and apply online through "Capacity Building Program" (CBP) portal as follows: