



21 Days National Refresher Course (NRC 2022)

On

**“Recent Technologies of Livestock Based Integrated Farming System
for Doubling Farmers Income”**

(Through Online Mode)

(1 to 21 February, 2022)



Organized by

**College of Veterinary Science and Animal Husbandry,
Birsa Agricultural University, Ranchi, Jharkhand**

In Association with

**ICAR-National Agricultural Higher Education Project
(NAHEP)**

&

**National Agriculture Development Cooperative Ltd (NADCL)
Baramulla (UT of J & K)**

(website: www.nadcl.org / email: info@nadcl.org / Contact No. 8899921702)

ABOUT HOST ORGANIZATION

The College of Veterinary Science and Animal Husbandry Ranchi was established on 30th November, 1961. It was a constituent college of Ranchi University and functioned under state Animal husbandry department till 1970. With the establishment of Rajendra Agricultural University (RAU) at Pusa, Samastipur in 1971, this college became a constituent college of R.A.U. The college was established with undergraduate teaching only and it was in the year 1972 when P.G. courses were stand in six disciplinary. These programmes were further strengthened in all major disciplines in 1977 onwards. Gradually, the College of Veterinary Science & A.H. moved on the parts of glory through its faculty's dint and determination and became the main campus for post graduate studies. The faculty is presently having 17 departments as per the norms of veterinary council of India and imparts besides U.G. teaching, M.V.Sc. and Ph.D. programmes along with research and extension education activities. The faculty of veterinary science and animals' husbandry is situated in the campus of B.A.U near Kanke Block. It is about 16 kms. from Ranchi Railway station and 20kms. from Birsa Munda Airport. The location stands at 85019 E and 23017'N and 625 meters above sea level. The climate is subhumid mega-thermal.

ICAR-National Agricultural Higher Education Project (NAHEP) Indian Council of Agricultural Research (ICAR) with financial assistance from the World Bank launched National Agricultural Higher Education Project (NAHEP) in 2017 with an aim to bring transformative reforms in agricultural higher education in the country. Under the NAHEP, BAU, Ranchi has been awarded project for the establishment of Center for Advance Agricultural Science and Technology (CAAST) on Integrated Farming System (IFS) in August 2019 towards Center of Excellence. NAHEP-CAAST has developed different models and on IFS and knowledge hub besides research on IFS by the faculties and post-graduate students.

National Agriculture Development Co-operative Ltd. (NADCL) was established under Self Reliant Co-operative Act, 1999: under Ministry of Cooperatives with a mission to promote, disseminate and mutual exchange of scientific information of Agricultural Science among the scientific diaspora and stakeholders. The NADCL was primarily established to serve as a bridge for communication between agriculture scientists, extension workers and farmers. Blending of the influences of these three, bring an effective result in the doubling of farmer's income. In this context NADCL already organized a number of awareness programs, international conferences and national training courses; individually as well as in collaboration in State Agriculture Universities and with various institutes of ICAR.

Background

Livestock based integrated farming system provides an opportunity of increasing economic yield per unit area per unit time to small and marginal farmers. In this system, waste materials are effectively recycled by linking appropriate components. Thus, minimize the environment pollution. Recycling of product, byproducts and waste material in integrated farming system are the factors responsible for the sustainability of farming system. Due to integration of different livestock components with crops, production of eggs, meat and milk provide nutritional security and income generation round the year to the farmers.

Combining crop with livestock enterprises would increase the labour requirement significantly and helps in reducing the problems of under employment to a great extent. IFS provide enough scope to engage family labour round the year. The nutritional security, natural resource management and environment protection are the major concern for sustainable agriculture. Integration of livestock is the way forward to promote proper utilization of available resources and environment protection for economic growth. Integrated farming system diversifies farm production, increase the income, improve nutritional security and promote nutrient recycling.

Objectives

1. To encourage and update the officers, Scientist and extension specialists' students and entrepreneurs about recent advances in IFS.
2. To identify existing farming along with formulate farming system models involving main and allied enterprises for different farming situations.
3. To ensure optional utilization and conservation of available resources and effective recycling of farm residues within system.
4. To raise overall profitability of farm household by complementing main/allied enterprises with other.
5. To identify scope, prospects and constraints of IFS both at small and large scale through interactive group discussions, brainstorming sessions and feedback from participants

Resource Persons

The experts from ICAR, State Agriculture Universities (particularly from Birsa Agricultural University, Ranchi, Jharkhand) and senior officers from the line Department will cover topics of Agriculture, Horticulture, Forestry, Fisheries, Animal Husbandry and Dairying by lectures, audio – video presentation, and group discussion.

The details of the lectures and their schedule will be given separately.

Participants & Eligibility: The training is open for the scientists, teachers, research scholars, growers, PG students and marketing personnel.

Important Date:

Last date for receipt of application form:	29-01-2022
Intimation of selection:	28-01-2022
Confirmation about participation:	27-01-2022
Commencement of training:	01-02-2022

Venue: The 21 Days National Refresher Course (NRC 2022) on "Recent Technologies of Livestock Based Integrated Farming System for Doubling Farmers Income" will be organized through virtual lecture/class.

Requirement for Training:

The aspirants should be proficient in the following:

- Basic computer skills.
- Sending/receiving email

- Sending and receiving attachments via email.
- Using a web browser.
- Finding web resources through search engines.
- Downloading and installing software and/or viewing electronic files.
- Familiarity with using browser plug-ins (e.g., PDF reader, video, audio).
- Using a word processing, presentation software, or other productivity applications.
- Experience/familiarity with a variety of file formats such as: .rtf "Rich Text Format", .doc or .docx "Microsoft Word Document", and .txt "Text document".
- The ability to be self-directed in learning new technology skills (for example, following a handout, a step-by-step tutorial, online video help, or access to support to learn necessary skills).

Mode of Participation:

The training will be organized in 4 quadrants i.e.,

1. Lecture through video conference,
2. Preparing delivered material that can be downloaded /printed,
3. Self-assessment tests through google classroom assignment/tests/quizzes,
4. An online discussion forum for clearing the doubts.

The above cited steps have to be taken to enrich the learning experience by using audio-video and multi-media state of art pedagogy/technology. In order to ensure that best quality content lecture is delivered course director and his coordinators will monitor the whole training course.

How to Apply:

Participants can submit online registration form on the site: www.nadcl.org

Registration Fee

Registrations fees include training documents, certificate (printed and laminated training participation certificates) and postal charges. Non-refundable registration fee for Indian participants is given below:

Category	Registration fee before 29-01-2022	Registration fee after 29-01-2022
Students/ Research Fellows	Rs. 2500/=	Rs. 3500/=
Faculties/Scientists/In-service participants	Rs. 3500/=	Rs. 4500/=
Private Organizations/Industries/etc.	Rs. 4000/=	Rs. 5000/=

Mode of Payment: Registration fee can be paid while submitting on line registration form on the site: www.nadcl.org

Chief Patron

Dr. O. N. Singh, Hon'ble Vice-Chancellor, Birsa Agricultural University, Ranchi, Jharkhand.

Patron

Dr. A. Wadood, Director Research, Birsa Agricultural University, Ranchi, Jharkhand.

Dr. J. Oraon, Director Extension Education, Birsa Agricultural University, Ranchi, Jharkhand.

Dr. M. K. Gupta, Dean PGs, Birsa Agricultural University, Ranchi, Jharkhand.

Dr. M.S. Malik, Dean, Faculty of Forestry, Principal Investigator, Birsa Agricultural University, Ranchi, Jharkhand.

Organizing Director

Dr. Sushil Prasad, Dean College of Veterinary Sciences & Animal Husbandry, Ranchi, Jharkhand and Chairman, Department of Livestock Production & Management.

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Dr. Alok Kumar Pandey, Professor, Department of Veterinary Animal Husbandry Extension.

Course Director

Dr. Ravindra Kumar, Head, Department of Livestock Production & Management, College of Veterinary Sciences & Animal Husbandry, Ranchi, Jharkhand.

Co-Course Directors

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Dr. Dinesh Uddhavrao Lokhande, Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Maharashtra Animal and Fishery Sciences University, Nagpur.

Dr. Suheel Ahmad, Sr. Scientist and Officer In-charge, ICAR-IGFRI, Regional, Research Station, Srinagar.

Dr. M.S. Akthar, Senior Scientist, ICAR-Directorate of Coldwater Fisheries Research, Bhimtal, Uttarakhand.

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Course Coordinators

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Training Coordinator

Dr. R. A. Shah, Baramulla, Jammu & Kashmir.

IT Engineer

Er. Azfar Farooq, Srinagar, Jammu & Kashmir.

Email to contact is: info@nadcl.org and Contact Persons are;

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Dr. Ravindra Kumar, Head, Department of Livestock Production & Management, Faculty of Veterinary Sciences & Animal Husbandry, Ranchi, Jharkhand (**Contact No. 7004815764**)

Instructions for filling online form on www.nadcl.org

1. Candidates should fill all fields as described. Fee will be calculated automatically based on candidates Workplace and Category.
2. Candidates need to have a valid and a functional phone number and an Email ID. They will receive OTP (one-time password) on the same phone number and email.id. It needs to be entered on the form for authentication.
3. Candidates need to upload a passport size photo on the form. Make sure the photograph is less than 100 KB. If your file is bigger, you can compress the at the following.
4. Since this an online program, candidate should select;
 - ACCOMPANYING PERSON(S): NO
 - ACCOMODATION REQUIRED: NO
5. Payment is to made online through net banking/card/credit card/UPI after registration. No hard copy is required to be submitted.
6. Further detailed Instructions are on the website registration page i.e., www.nadcl.org
7. In case of any query, candidates should write an email to info@nadcl.org