

BROCHURE WITH EXTENDED DATE OF REGISTRATION
(Last date for receipt of registration form: 30-01-2021)

21 Days Winter School

ON

**“Modern Practices of Plant and Animal Nutrition for Sustainable Agriculture
Production and Intensive Livestock Development”**
(Through Virtual Mode)

During: 02-02-2021 to 22-02- 2021



Organized by



ICAR-Indian Grassland and Fodder Research Institute
Southern Regional Research Station, Dharwad (Karnataka)



University of Agricultural Sciences
Raichur (Karnataka)

&



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

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

ABOUT ORGANIZATIONS

ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad, Karnataka Indian Grassland and Fodder Research Institute, Jhansi constituent of Indian Council of Agricultural Research, New Delhi is an unique institute of Asia. Our country is bestowed with diverse climate. Fodder Technological needs of South India are addressed by its southern Regional Research Station located in Dharwad of Karnataka. It houses and works on (exceptional collection of) grasses and forage legumes that could be grown in low (500 mm) to high (3500 mm) rainfall regimes/low to high fertile soils. Its technologies have received wider adoptability and appreciation from many. High yielding soft textured low oxalic content Bajra Napier Hybrid variety DHN-6, non-competitive land use through horti-pasture in farmers' mango and coconut orchards and participatory forage seed production have fetched accolades to it. It's a trusted source of information and forage seed for many. Its popularity could be witnessed by its reach to State Agricultural Universities, milk federations, forest departments, animal husbandry departments, and national highways authorities of different states of India besides livestock farmers of southern India. A key contributor, since 1987, in enhancing livestock productivity of farmers in particular and south India at large, today it has the distinct recognition of a dynamic regional research station in the service of livestock farmers and the nation.

University of Agricultural Sciences, Raichur was stated during the academic year 2008-09. Raichur also privileged to have the oldest establishment for agricultural research. In 1932, an Agriculture Research station was established by the Nizam's Government of Hyderabad with a mandate to carry research on dry land farming. Agricultural Engineering Institute (AEI) was added to Raichur campus during 1969 to offer Diploma courses and later in 1987 was upgraded to status of College of Agriculture was started at Raichur, Bheemarayan gudi and Kalburgi respectively. The Post-graduate degree programme leading to Master's degree and Doctoral degree programme was started in major 15 departments of which 12 in Agriculture and 3 in Agricultural Engineering and thus completing all the necessities of Teaching, Research and Extension at the University.

The Kalia Karnataka region (North Karnataka) comprising Bidar, Kalburgi, Yadgir, Bellary and Koppal districts is an agrarian region with an irrigation potential of 12 lakh hectares through Tungabhadra, Krishna, Karanja, Mullamari, Hirehalla, Bennethore and other irrigation projects, spanning 44.96 lakh hectares accounting 33.60 per cent of the total geographical area of the state, of which nearly 68 per cent is under cultivation. This region has unique combination of medium (32.42 %) large (36.69 %) farmers and had rich natural resources especially for agriculture development.

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. NADCL already organized a number of awareness programs, international conferences and national training courses. 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.

About the 21 Days Winter School Both plants and animals need nutrients for the same reasons. They need them to, grow, fight off diseases and pests and to reproduce. Plants and animals need nutrients in larger, smaller or trace amounts to stay healthy. Scientific plant and animal nutrition is the most important factor for sustainable agriculture production, improved livestock health, productivity and ultimately for intensive livestock development. Profitability of the commercial agriculture and animal husbandry depends on quality and quantity of nutrients applied to field / fed to livestock.

Despite the superior varieties of crops and superior breeds of livestock available with the farmer, the performance of such varieties and breeds is poor and unable to produce optimal result. This is due to their non-seriousness towards "scientific plant and animal nutrition".

Keeping in view the above cited complex background, the 21-day winter school is being organized that will facilitate and provide training cum awareness programme to the scientists, teachers and students of agriculture, animal husbandry, forestry and allied sectors; regarding modern practices of plant and animal nutrition for sustainable agriculture production and intensive livestock development; which is being converged for the ultimate benefit of the farmers.

Participants & Eligibility: The 21 Days Winter School is open for the scientists, teachers, growers, students, and marketing personals.

Important Dates:

Last date for receipt of registration form:	30-01-2021
Selection notification:	31-01-2021
Confirmation of participation:	01-02-2021
Commencement of training:	02-02-2021

Venue: The 21 Days Winter School 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.

All such candidates who will participate in this 21-day winter school through [video conferencing](#) will be deemed to have attended the 21 Days Winter School and as per the course guideline will be provided certificate of participation.

How to Apply:

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

Registration Fee

Registrations fees include training documents, participation certificate, postal charges and published training compendium that will be send to all the candidates through speed post. Non-refundable standard registration fee for Indian participants is given below:

Category	Registration fee before 30-01-2021	Registration fee after 30-01-2021
Students/ Research Fellows	Rs. 2500/=	Rs. 3500/=
Faculties/Scientists/In-service participants	Rs. 3500/=	Rs. 4500/=
Private Organizations/Industries/etc.	Rs. 4000/=	Rs. 5000/=

Non-refundable standard registration fee for foreign participants is given below:

Category	Registration fee before 30-01-2021	Registration fee after 30-01-2021
Students/ Research Fellows	\$ 550	\$ 650
Faculties/Scientists/In-service participants	\$ 1000	\$ 1300
Private Organizations/Industries/etc.	\$ 1300	\$ 1600

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

Chief Patron

Dr. K.N. Kattimani, Hon'ble Vice Chancellor, University of Agricultural Sciences, Raichur, Karnataka.

Dr. Vijay Kumar Yadav, Hon'ble Director, ICAR-Indian Grassland and Fodder Research Institute, Jhansi, U.P.

Dr. M.B. Chetti, Hon'ble Vice Chancellor, University of Agricultural Sciences, Dharwad, Karnataka.

Patron

Dr. R.V. Kumar, Head & Coordinator (SRRSD) ICAR-IGFRI, Jhansi.

Dr. B.K. Desai, Director of Research, University of Agricultural Sciences, Raichur, Karnataka.

Dr. D.M. Chandragi, Director of Extension, University of Agricultural Sciences, Raichur, Karnataka.

Organizing Chairman

Dr. Ratna Nashine, Professor and Dean, College of Agriculture and Research Station, Narayanpur, Indira Gandhi Krishi Vishwavidhalaya, Raipur, Chhattisgarh.

Organizing Director

Dr. Nagaratna Biradar, Principal Scientist and Officer-in-charge, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad, Karnataka.

Course Convener

Dr. Dhanoji M. M. Associate Director of Research, ZARS, Kalburgi, University of Agricultural Sciences, Raichur, Karnataka.

Dr. Narendra Kulkarni, Principal Scientist, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad, Karnataka.

Dr. Amare Gouda A. Professor and Head, Department of Crop Physiology, College of Agriculture, University of Agricultural Sciences, Raichur, Karnataka.

Sectional Convener

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

Prof. (Dr.) Raihana Habib Kanth, Chief Scientist (Agronomy) Faculty of Agriculture, SKUAST-Kashmir (J & K).

Course Directors

Dr. Vinodkumar, Principal Scientist, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad, Karnataka.

Dr. M. Chandra Naik, Assistant Professor, Department of Crop Physiology, ARS, Dhdesugur, University of Agricultural Sciences, Raichur, Karnataka.

Co-Course Director

Dr. M. K. Meena, Assistant Professor (Crop Physiology), Directorate of Research, University of Agricultural Sciences, Raichur, Karnataka.

Dr. Ramesh Y. M., Assistant Professor, ARS, Dhdesugur, University of Agricultural Sciences, Raichur, Karnataka.

Dr. P. Vasudev Naik, Scientist (Horticulture) ICAR-KVK, Kalburgi, University of Agricultural Sciences, Raichur, Karnataka

Course Coordinator

Dr. Suma T. C., Assistant Professor, Department of Crop Physiology, College of Agriculture, University of Agricultural Sciences, Raichur, Karnataka.

Dr. R. P. Patil, Assistant Professor, Department of Crop Physiology, College of Agriculture, B. Gudi, University of Agricultural Sciences, Raichur, Karnataka.

Co-Convener

Dr. Girish Udhavrao Yadav, Assistant Professor, Department of Surgery & Radiology, Mumbai Veterinary College, Maharashtra Animal and Fishery Science University, Nagpur.

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

Dr. Priya, Assistant Professor, Dept of Agronomy, College of Agriculture, Hanumanamatti, University of Agricultural Sciences, Dharwad, Karnataka.

Dr. Anand Naik, Assistant Professor (SS & AC), College of Agriculture, Kalburgi, University of Agricultural Sciences, Raichur, Karnataka.

Mr. Harish Menpadi, Assistant Professor, Department of Crop Physiology, College of Agriculture, University of Agricultural Sciences, Raichur, Karnataka.

Organizing Secretary

Dr. Sheeraz Saleem Bhat, Scientist, ICAR-IGFRI, Regional Research Station, Srinagar.

Joint Organizing Secretary

Dr. Nazir A. Pala, Assistant Professor Cum Scientist, Division of Silviculture & Agroforestry, Faculty of Forestry SKUAST-Kashmir

Dr. Monjunatha D. R. Assistant Professor & Head, Department of Veterinary Clinical Complex, Veterinary College, Vidyanagar, Hassan, Karnataka Veterinary, Animal & Fisheries Sciences University, Bidar.

Training Coordinator

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

IT Engineer

Er. Azfar Farooq, Srinagar, Jammu & Kashmir.

Coordination Committee

Dr. Ratna Nashine, Professor and Dean, College of Agriculture and Research Station, Narayanpur, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh. **Chairman**

Dr. Nagaratna Biradar, Principal Scientist and Officer-in-charge, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad, Karnataka. **Joint-Chairman**

Dr. M. Chandra Naik, Assistant Professor, ARS, Dhadesugur, University of Agricultural Sciences, Raichur, Karnataka. **Co-Chairman**

Dr. Sudhir Singh Bhadauria, Nodal Officer, Agribusiness Incubation Centre, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior. **Member**

Dr. Megna Rashid, Assistant Professor, Division of Silviculture & Agroforestry, Faculty of Forestry SKUAST-Kashmir. **Member**

Dr. Simranjeet Kaur, Assistant Professor, Department of Livestock Products Technology, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. **Member**

Dr. Manpreet Kour Assistant Professor, Division of Agronomy, SKUAST-Jammu (J & K) **Member**

Dr. Suresh Kumar, Assistant Professor (Livestock Production) GADVASU- Ludhiana, Punjab. **Member**

Dr. L. R. Choudhary, SMS (Agriculture Extension) Agriculture University Jodhpur, Rajasthan. **Member**

Publication Committee

- Dr. Ratna Nashine**, Professor and Dean, College of Agriculture and Research Station, Narayanpur, Indira Gandhi Krishi Vishwavidhalaya, Raipur, Chhattisgarh. **Chairman**
- Dr. Nagaratna Biradar**, Principal Scientist and Officer-in-charge, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad, Karnataka. **Joint-Chairman**
- Dr. Vinodkumar**, Principal Scientist, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad. **Co-Chairman**
- Dr. M. Chandra Naik**, Assistant Professor, ARS, Dhadesugur, University of Agricultural Sciences, Raichur, Karnataka. **Co-Chairman**
- Dr. Narendra Kulkarni**, Principal Scientist, ICAR-Indian Grassland and Fodder Research Institute, Southern Regional Research Station, Dharwad. **Member**
- Dr. M.K. Meena**, Assistant Professor, Department of Crop Physiology, Directorate of Research Office, UAS, Raichur. **Member**
- Dr. Ramesh Y. M.** Assistant Professor, Department of Agronomy, ARS, Dhadesugur, UAS, Raichur. **Member**
- Dr. Suma T.C.** Assistant Professor, Department of Crop Physiology, COA, Raichur **Member**
- Dr. Aijaz A Dar**, Assistant Professor, Veterinary Medicine, Directorate of Extension, SKUAST-Kashmir. **Member**
- Dr. Ramprasad Nagorao Khandare**, Assistant Professor (Soil Science & Agriculture Chemistry) AICRP on LTFE, Vasantrya Naik Marathwada Krishi Vidyapeeth (VNMKV) Parbhani, Maharashtra. **Member**

Contact Persons

- Dr. R. A. Shah**, Training Coordinator, Baramulla, Jammu & Kashmir (Contact No. 8899921702)
- Dr. Ratna Nashine**, Professor and Dean, College of Agriculture and Research Station, Narayanpur, Indira Gandhi Krishi Vishwavidhalaya, Raipur, Chhattisgarh (Contact No. 9425263053)
- Dr. Nagaratna Biradar**, Principal Scientist and Officer-in-charge, ICAR-IGFRI, Southern Regional Research Station, Dharwad (Contact No. 9448376368)
- Dr. M. Chandra Naik**, Assistant Professor, ARS, Dhadesugur, University of Agricultural Sciences, Raichur, Karnataka (Contact No. 9844137823)
- Dr. Suheel Ahmad**, Sr. Scientist and Officer Incharge, ICAR-IGFRI, Regional Research Station, Srinagar (Contact No. 9419018157)
- Dr. Nazir A. Pala**, Assistant Professor Cum Scientist, Division of Silviculture & Agroforestry, Faculty of Forestry SKUAST-Kashmir (Contact No. 8899726755)

Key Speakers



Chief Patron

Dr. K. N. Kattimani
Hon'ble Vice Chancellor,
UAS, Raichur, Karnataka



Chief Patron

Dr. Vijay Kumar Yadav,
Hon'ble Director,
ICAR-IGFRI, Jhansi, U.P.



Chief Patron

Dr. Mahadev B. Chetti
Hon'ble Vice Chancellor,
UAS, Dharwad, Karnataka



Patron

Dr. R.V. Kumar
Head & Coordinator (SRRSD)
ICAR-IGFRI, Jhansi



Patron

Dr. B. K. Desai
Director of Research,
UAS, Raichur, Karnataka.



Patron

Dr. D. M. Chandragi
Director of Extension,
UAS, Raichur, Karnataka.



Organizing Chairman
Dr. Ratna Nashine,
Professor and Dean,
College of Agriculture and Research Station,
Narayanpur, IGKV Raipur.



Organizing Director
Dr. Nagaratna Biradar,
Principal Scientist and Officer-in-charge, ICAR-
IGFRI, Southern Regional Research Station,
Dharwad.



Course Director
Dr. Vinodkumar
Principal Scientist,
ICAR-IGFRI, Southern Regional Research
Station, Dharwad.



Course Director
Dr. M. Chandra Naik
Assistant Professor,
University of Agricultural Sciences,
Raichur, Karnataka.