

# 21 Days International Training Cum Certificate Course On Technology Innovation in Agriculture, Horticulture, Animal Husbandry, Fisheries, Sericulture and Allied Sectors for Sustainable Entrepreneurship

Mode of Participation: Virtual

**June 16 To July 06, 2023**



## Organized by



College of Horticulture and Forestry, Central  
Agricultural University Pasighat-Arunachal Pradesh  
([www.chfcau.org.in](http://www.chfcau.org.in))

**Agriculture-24**  
The Spirit of Growing  
([www.agriculture-24.com](http://www.agriculture-24.com))



Agro Environmental Development Society  
(AEDS) Majhra Ghat, Rampur, U.P, India  
([www.aeds.org](http://www.aeds.org))



Tribhuvan University  
Research Centre for Applied Science and  
Technology (RECAST), Kathmandu, Nepal  
([www.recast.edu.np](http://www.recast.edu.np))



University of Debrecen, Faculty of Agricultural  
and Food Sciences and Environment Management,  
Institute of Plant Protection, Debrecen, Hungary  
([www.edu.unideb.hu](http://www.edu.unideb.hu))

For Further Details Contact

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## Our Collaboration







ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
CENTRAL UNIVERSITY OF GUJARAT

## List of Speakers

S.No.	International & National Speakers	
1.	<b>Dr. Gabor Tarcali</b> Professor, University of Debrecen, Institute of Plant Protection, Debrecen, Hungary	
2.	<b>Dr. Shinji Miyamoto</b> Associate Professor, Department of Biosphere Geosphere Science, Okayama University of Science. Ridai-cho 1-1, Kita-ku, Okayama City Okayama, Japan	
3.	<b>Dr. Sanjay Kumar Jha</b> Associate Professor, Central Dept. of Botany, Tribhuvan University, Kathmandu, Nepal	

4.	<p><b>Prof. Dr. Zoarder Faruque Ahmed</b>  Professor, Department of Fisheries Management,  Bangladesh Agricultural University, Mymensingh,  Bangladesh.</p>	
5.	<p><b>Prof. Saman Abeysinghe</b>  Senior Professor, Dept. of Botany, Faculty of Science  University of Ruhuna, Matara, Sri Lanka</p>	
6.	<p><b>Dr. Malik Mohammad</b>  Pest Management Specialist  Plant Protection Directorate, Gezira, Sudan</p>	
7.	<p><b>Dr. A. Venugopal</b>  Director, BTSSO Central Silk Board (Ministry of  Textiles, Govt. of India), Bilaspur, (Chhattisgarh)</p>	
8.	<p><b>Dr. N. M. Chuahan,</b>  Director of Extension Education,  Navsari Agricultural University, Gujarat, India</p>	
9.	<p><b>Dr. Sanjay K. Sharma</b>  Director Research &amp; Services  Rajmata Vijayaraje Scindia Krishi Vishwa  Vidyalaya, Gwalior, M.P. India</p>	

<p><b>10.</b></p>	<p><b>Dr. B. N. Hazarika</b> Dean, College of Horticulture and Forestry, Central Agricultural University Pasighat-Arunachal Pradesh, India</p>	
<p><b>11.</b></p>	<p><b>Dr. Sudhir Singh Bhadauria</b> Deputy Commissioner (Crops), Ministry of Agriculture and Farmers Welfare, New Delhi</p>	
<p><b>12.</b></p>	<p><b>Prof. Chandragiri Cheralu</b> Dean, Chaitanya University, Kishanpura, Hanamkonda, Telangana, India</p>	
<p><b>13.</b></p>	<p><b>Dr. N. B. Chowdary</b> Scientist D, Basic Tasar Silkworm Seed Organisation, CSB, Bilaspur, Chhattisgarh</p>	
<p><b>14.</b></p>	<p><b>Dr. N. Sakthivel</b> Scientist -D, Central Sericultural Germplasm Research Centre (CSGRC) Central Silk Board, Government of India, P.B.No.-44, Thally Road, Hosur-635 109 Krishnagiri District, Tamil Nadu, India</p>	
<p><b>15.</b></p>	<p><b>Dr. Ramakrishna Naika</b> Professor And Head Department of Sericulture, UAS. Bangalore, College of Sericulture Chintamani, Karnataka</p>	

<p><b>16.</b></p>	<p><b>Dr. K.P. Singh</b>  Professor, Department of Plant Pathology, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Udham Singh Nagar, Uttarakhand, India</p>	
<p><b>17.</b></p>	<p><b>Dr. V.P. Santhi</b>  Associate Prof., ICAR - KVK, Vamban TNAU, Vamban, Pudukkottai</p>	
<p><b>18.</b></p>	<p><b>Dr Narayanan, G</b>  Senior Scientist, ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, Bengaluru, India</p>	
<p><b>19.</b></p>	<p><b>Dr. K. S. Kumaravel</b>  Associate Professor, Department of Agricultural Economics and Extension, Pandit Jawaharlal Nehru College of Agriculture and Research Institute (PAJANCOA &amp; RI), Karaikal, UT of Puducherry</p>	
<p><b>20.</b></p>	<p><b>Dr. Jay Shankar Singh</b>  Faculty, Dept. of Microbiology, BBA University Lucknow, U.P. India</p>	
<p><b>21.</b></p>	<p><b>Dr. P. Priyadharshini</b>  Assistant Professor (Sericulture) Department of Sericulture Forest College and Research Institute Tamil Nadu Agricultural University, Mettupalayam, Tamil Nadu, India</p>	

22.	<p><b>Dr. Ankita Sahu</b>  Scientist, ICAR-Central Institute for Women in Agriculture, Bhubaneswar-751003, Odisha</p>	
23.	<p><b>Dr. Sathish Gowda, C.S.</b>  Scientist, ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, Bengaluru, India</p>	
24.	<p><b>Dr. Rahul Dev</b>  Scientist, ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand, India</p>	
25.	<p><b>Dr. V. David Chella Baskar</b>  Assistant Professor, Department of Agricultural Economics, Rani Lakshmi Bai Central Agricultural</p>	
26.	<p><b>Amit Umesh Paschapur</b>  Scientist, ICAR-Vivekananda Parvatiya Krishi Anusandhan, Sansthan, Almora, Uttarakhand, India</p>	
27.	<p><b>Dr. Punabati Heisnam</b>  Assistant Professor, College of Horticulture and Forestry, Central Agricultural University Pasighat, Arunachal Pradesh, India</p>	
28.	<p><b>Dr. Y Disco Singh</b>  Assistant Professor, College of Horticulture and Forestry, Central Agricultural University Pasighat, Arunachal Pradesh, India</p>	

### **Themes of the Training Programme:**

1. **Livelihood Security in Agriculture, and Allied Sectors**
2. **Sustainable Development through Sericulture**
3. **Opportunities of Entrepreneurship in Horticulture and Allied Fields**
4. **Advances in Animal Husbandry and Allied fields**
5. **Livelihood Security with Dairy Farming**
6. **Emerging Employment in Fisheries Sector for Sustainable Development**

### **About The College of Horticulture and Forestry, Central Agricultural University Pasighat-Arunachal Pradesh**

College of Horticulture & Forestry, a constituent College of the Central Agricultural University, Imphal, Manipur, was established on 7<sup>th</sup> March 2001 at Pasighat, Arunachal Pradesh on the bank of beautiful river Siang. The campus is spread over in an area of 58 hectares which includes research farm, instructional cum demonstration farm, KVK farm, and experimental farm. The College has achieved remarkable progress in teaching, research and extension programmes since its inception. At present, the College has 11 departments to support academic, research and extension activities. The academic programmes are under graduate degree in Horticulture and Forestry (B. Sc Hort. and B.Sc Forestry), Agriculture (B.Sc. Agril.), post-graduate degree in Horticulture (M.Sc Horticulture in Fruit Science and Vegetable Science), Forestry (M.Sc. Forestry) and Ph.D (Fruit Science & Vegetable Science) programme. The curriculum and syllabi of all degree programmes are updated, and implemented as per the ICAR-Vth Deans' Committee recommendation. The College has also one KVK to facilitate the transmission of latest technologies in field of Agriculture, Horticulture and allied disciplines to the farming community.

### **Agriculture-24**

Agriculture-24 is a quarterly, peer-reviewed, open access, international e-magazine. The magazine aim is to timely publish the research/findings/innovative ideas & success stories from various domain, government schemes and policies, rural development programmes, world scenario, agriculture current affairs etc. on the diverse aspects of agriculture, horticulture, fisheries, food science & technology, Forestry, Biotechnology, Dairy science and technology, veterinary science, animal husbandry, environmental & Allied sciences. Agriculture-24 is an emerging platform to publish novel scientific scholarly research work for the promotion of agricultural technology for the welfare of farmers, entrepreneurs, students & researchers.

### **About the Agro Environmental Development Society (AEDS) Rampur, U.P. India**

The Agro Environmental Development Society (AEDS) is a scientific and research organization, registered under the society registration act 21, 1960 and the NITI Aayog Gov. of India. The prime objective of the organization is to promote the scientific awareness and sustainable development of

agriculture, environment and biological sciences for the welfare of human beings. The society is also committed to explore the scientific development across the world and has taken initiative to provide a platform to the scientists, researchers, policy makers and scholars to solve and discuss various issues relating to agricultural and environmental development. AEDS had organized first international conference at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad, Uttar Pradesh, India in association with Pondicherry Institute of Agricultural Sciences (PIAS), Pondicherry and Centre for Environment & Agricultural Development (CEAD), Pondicherry on November 27-29, 2018 and became a great success with an impressive turnout of around 600 participants from all around the country along with the foreign delegates. The 2nd International Conference was held at Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh on September 27-29, 2019. On this occasion, nearly 800 participants (Scientists, Academicians, Industries Person and Students) were participated globally and discussed their views on the diverse field of Agriculture, Environment and Biological Sciences. The AEDS also conducted various International Conference via virtual mode in collaboration with National and International universities during the global pandemic of COVID-19. In the previous years, the society organized various 21 days National Training Course in collaboration with Central Sericultural Research & Training Institute (CSRTI), Mysore, National Bank for Agriculture and Rural Development (NABARD), Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (Madhya Pradesh), College of Horticulture and Forestry, Central Agricultural University Pasighat-Arunachal Pradesh and Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu. The most commendable International Conference has been organized recently by the AEDS in joint collaboration with Department & Directorate of Extension Education About the Agro Environment Development Society (AEDS) Uttar Banga Krishi Vishwavidyalaya, Pundibari, West Bengal, ICAR-National Agricultural Higher Education Project (NAHEP) at Kalimpong Science Centre, Deolo, Darjeeling, W.B. Furthermore, the Society continuously working for the welfare of rural and land less communities of the country and also making people aware for sustainable and profitable agriculture.

### **About the Tribhuvan University, Research Centre for Applied Science and Technology (RECAST), Kathmandu, Nepal**

The Research Centre for Applied Science and Technology (RECAST), established on September 8, 1977 under Tribhuvan University Act 1976, is primarily concerned with identification, improvement and adaptation as well as with generation and dissemination of the technologies appropriate to optimum utilization of natural resources for the overall development of the country. The centre strives to establish partnership with national and international academic institutions, government as well as private sectors and community-based organizations to address the country's needs through sustainable technological developments. RECAST is dedicated to contribute towards nation's commitment to achieve Sustainable Development Goals (SDGs) and graduation to then status of Developing Country. Our research areas include Appropriate Technologies Designs and Developments, Natural Products, Biotechnology, Biodiversity Conservation, Food and Agriculture, Materials Science and Nano technology, Rubbers and Plastics. The centre is striving to revive all its laboratory facilities as well as its consultancy and analytical services on foods, water and sanitation,



natural products, construction materials, cosmetics, plastics, fuels and equipment designs. Keeping the spirit of the founders of the RECAST, the centre puts dedicated efforts to become a Centre of Innovations and Excellence, an attraction to the young researchers from all over the world.

### **About the University of Debrecen, Faculty of Agricultural and Food Sciences and Environment Management, Institute of Plant Protection, Debrecen, Hungary**

With a student body of about 28,000 the University of Debrecen is one of the largest institutions of higher education in Hungary today. Hungary is a relatively small country of 10 million people, which has seven neighbors and one of the longest histories of European nations with a statehood of over 1100 years. As a member of the European Union and at the crossroads of East and West, it is a very accessible location and an ideal base to explore all of Europe. Debrecen is the largest city outside Budapest and has over 200,000 inhabitants. At a convenient distance of 250 km to the East from the capital, Debrecen is a cultural, economic and scientific Centre of the region and a renowned university town. The cooperation of fourteen faculties ensures the multi disciplinary background guaranteeing the University a leading role as a research and education institution, and the intellectual center of Eastern Hungary. In 2007 our institution was the first to receive the highest degree of the Higher Education Qualification Prize awarded to the most reputable Hungarian higher education institutions. The University conducts its programs according to the European Qualifications Framework of the Bologna Process. Thus diplomas attained at the University of Debrecen are generally accepted in the countries of the European Union. Moreover, all our programs are accredited by the Hungarian Accreditation Board which is part of the European Accreditation Board. Medical programs are accredited by the World Health Organization (WHO), the State Education Department (NY, USA), Medical Board of California, Medical Councils of India (a qualifying exam is compulsory), Israel, Ireland, Iran, Norway and the United Arab Emirates. The aim of the educational, research and development activities at the Faculty of Agricultural and Food Sciences and Environmental Management is to satisfy the present and medium term requirements of Hungary, the agricultural sector and the society. The Faculty trains experts at the BSc, MSc and PhD levels in numerous fields of agricultural sciences: classical fields (animal husbandry, crop production and horticulture), environmental management, food processing, game management, nature conservation and crop protection are included in the diverse educational programs.

### **About the 21 Days International Training Cum Certificate Course**

The present day need of the time is to reshape the peasant economy and make the agriculture as a most profitable enterprise vis-a-vis to identify the potential areas to boost the agri entrepreneurship programme. To promote the locals and bring the potential agriculture areas under self reliance and make the product as global, there is a dire need to undertake necessary measures with respect to human resource development in Entrepreneurship, which in present context offers great opportunities in the areas such as agriculture, horticulture, floriculture, marketing, production, animal husbandry and moving towards establishment of Agri-Start-ups. Entrepreneurship consists of agricultural production and allied sectors and/or businesses which consist of agri chemicals, breeding, crop production, distribution, farm machinery, processing, seed supply, marketing, sales, export-import, finance

management, supply chain management, taxation and trading. The Training for entrepreneurship development enhance the knowledge, skills and attitudes of producers for managerial decision making and implementation in the unique context of sustainable agribusiness which is different from regular business environment. It encourages entrepreneurial capabilities to make them effective change agents and develops capabilities to become leaders in entrepreneurial activities.

With the increasing level of farmers' awareness and professionalism in farming, the Agri and rural sector has compelled agro based companies to engage trained professionals to serve the market creatively and remain competitive. Even so much during the Covid 19, the country's policy of promotion of locals upto global level has gone in a far way. Therefore, entrepreneurship development is very much important and required for meeting out above points.

Sustainable entrepreneurship and market linkages are terms that are being used when talking about agriculture, horticulture, animal husbandry and allied sectors. The challenges associated with agriculture sustainability make it essential to bring the above mentioned disciplines together to address the challenges for sustainable entrepreneurship & livelihood security. Entrepreneurship development is the process of enhancing the entrepreneurial knowledge and skills via structured training programmes. It deals with the study of entrepreneurial behaviors, dynamics of business, and its development and expansion. In view of such opportunities and challenges in entrepreneurship development and sustainability, the International training course is designed. The training programme will facilitate and aware about skill based and job oriented opportunities to the scientists, teachers and students of agriculture, horticulture, animal husbandry, social sciences, fisheries and allied sectors so that they can utilize the concepts for getting themselves acquainted to prepare and manage result oriented research projects, self-employment and entrepreneurship in their respective fields.

### **Participants Eligibility:**

International Training Cum Certificate Course is open for all the Students, Research Scholars, Scientists, Teachers, Growers, Product Manufactures and Marketing Personals.

### **Registration Fee Details**

<b>Categories</b>	<b>Registration Fee</b>
<b>Students (UG &amp; PG)</b>	<b>1500</b>
<b>Ph.D. Scholars, JRF &amp; SRF</b>	<b>2000</b>
<b>Scientist, Faculty, Professionals, RA &amp; PDF</b>	<b>3000</b>

## Mode of Payment & Account Details

Name of Account	Agro Environmental Development Society
Name of the Bank	State Bank of India
Bank Address	SBI, Saifni Shahabad, Bilari Road, Saifni, Rampur-244922, UP
Type of Account	Saving
Account Number	37836254237
IFSC Code	SBIN0018205

**Note:** Registration Fee is Non Refundable/Non-Transferable. For further queries and assistance, please contact on +91-6394082801 or E-mail: [ntcaeds2021@gmail.com](mailto:ntcaeds2021@gmail.com)

## Important Dates

Last Date of Registration	June 13, 2023
Commencement of Training Course	June 16, 2023

**\*Note:**

1. Hard copy of 21 days training certificate will be sent to correspondence address of all the registered participants by Indian Speed Post.
2. All the lectures (power point presentations) will be shared with the participants.

### Mode of Training :

The training will be organized in 4 quadrants:

1. Two lectures per day through virtual mode
2. Preparation of delivered material that can be downloaded /printed.
3. Self-assessment tests through assignment/quiz *etc.*
4. An online discussion forum for clearing the doubts.

The above cited steps are required to enrich the learning experience by using audio-video and multi-media state of art pedagogy/technology. In order to ensure, the quality content of invited talks, the Course Director and Course Coordinator will monitor the whole training programme.



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On**

**Technology Innovation in Agriculture, Horticulture, Animal Husbandry, Fisheries,  
Sericulture and Allied Sectors for Sustainable Entrepreneurship**

**Mode of Participation: Virtual**

**June 16 To July 06, 2023**

**Registration Form**

Name (Mr. Ms. Mrs. Er. Dr. Prof):

Designation:

Specialization:

Complete Institution Address (Including Department/School/Division):

Complete Postal Address with Pin Code (For Speed Post Purpose):

Email Id:

Contact Number:

WhatsApp Number:

Gender:

Category of Participants (Student, Research Scholar, Faculty, Scientist & Others):

Registration Fee (As Per Brochure):

NEFT/ Net Banking/ Online/ Payment Slip Ref. No.:

Date:

Place:

Signature of Candidate

**Note:** Kindly send the duly filled MS-Word file of registration form along with payment slip/screenshot (MS Word file of registration form may download from the website: [www.aedsi.org](http://www.aedsi.org)) along with the fee details via-mail to: [ntcaeds2021@gmail.com](mailto:ntcaeds2021@gmail.com)

## Organizing Committee

### Patrons

Dr. A. Venugopal  
Director, BTSSO, Central Silk Board (Ministry of Textiles, Govt. of India), Bilaspur,  
(Chhattisgarh) India

Dr. Sudhir Singh Bhadauria, Deputy Commissioner, Indian Council of Agricultural  
Research, New Delhi, India

Prof. Chandragiri Cheralu, Dean, Chaitanya University, Kishanpura, Hanamkonda,  
Telangana, India

Dr. N. Sakthivel, Scientist -D, Regional Sericultural Research Station, Central Silk Board  
Gov. India, Salem, Tamil Nadu

Dr. N. B. Chowdary, Scientist D, Basic Tasar Silkworm Seed Organisation, CSB, Bilaspur,  
Chhattisgarh, India

### Organizing Chairman

Dr. B. N. Hazarika, Dean, College of Horticulture and Forestry, Central Agricultural  
University Pasighat-Arunachal Pradesh, India

### Course Director

Dr. Chhatarpal Singh, President, AEDS, Rampur, U.P., India

### Course Convenors

Dr. Sanjay Kumar Jha, Associate Professor, Central Dept. of Botany, Tribhuvan University,  
Kathmandu, Nepal

Dr. Gabor Tarcali, Professor, University of Debrecen, Institute of Plant Protection,  
Debrecen, Hungary

Dr. Jay Shankar Singh, Faculty, Dept. of Microbiology, BBA University Lucknow, U.P.  
India

### Course Coordinators

Dr. V. David Chella Baskar, Assistant Professor, Department of Agricultural Economics,  
Rani Lakshmi Bai Central Agricultural University, Jhansi, Uttar Pradesh, India

Dr. Nilay Kumar, Assistant Professor, College of Horticulture and Forestry, Central  
Agricultural University Pasighat, Arunachal Pradesh, India

## Course Co-Conveners

Dr. Hiranmai Yadav, Professor, School of Environment and Sustainable Development, Central University of Gujrat, Gujrat, India

Dr. Ram Gopal, Scientist, KVK Msodha Ayodhya, Uttar Pradesh, India

Dr. Vikas Sharma Associate Professor & President SKUAST-TAJ, Jammu, India

Dr. V.P. Santhi, Associate Prof., ICAR - KVK, Vamban TNAU, Vaman, Pudukkottai

Dr. Pavan Kumar Jha, Assistant Professor, Tribhuvan University, Research Centre for Applied Science and Technology (RECAST), Kathmandu, Nepal

Dr. Punabati Heisnam, Assistant Professor, College of Horticulture and Forestry, Central Agricultural University Pasighat, Arunachal Pradesh, India

Dr. V David Chella Baskar, RLB Central Agricultural University, Jhansi, U.P

Dr. Gourish Karanjalkar, Goa College of Agriculture, Affi. Goa University, Goa

Dr. Meraj Ahmad, Lovely Professional University, Punjab

Dr. Mukul Kumar, MBAC, Agwanpur, Saharsa, Bihar

Dr. Shashank Tiwari, DM, BBA University, Lucknow, U.P.

Dr. Rahul Dev, ICAR- Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand, India

Dr. G. Mariappan Agriculture Officer, (Extension) IAEC, Uthukuli, Tiruppur-TN

Dr. Ashutosh Yadav, EM, IITR, Lucknow, U.P.

Dr. Prince, Department of Horticulture, CCS HAU, Hisar, Haryana

Mr. Rakesh Kumar, Executive Member, AEDS, Rampur, U.P.

Dr. N Muhindro Singh SMS (Vety. Sc) KVK, Hengbung, Manipur

Dr. Nilay Kumar, College of Horticulture & Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh

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Targhadia (Rajkot), Gujarat.

Dr. Viraj B. Rathod

Assistant Research Scientist (Plant Breeding) Main Dry Farming Research Station Junagadh Agricultural University, Targhadia (Rajkot), Gujarat

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Lavkush Pandey

Department of Fruit Science, ANDUAT, Kumarganj, Ayodhya. 224229 U.P. India

Dr. Zafar Iqbal Buhroo

Assistant Professor (Seri) SKUAST Kashmir Srinagar, India

Dr. Shahina A Nagoo

Assistant Professor (GPB) SKUAST Kashmir Srinagar, India

# Glimpses of Our Previous Events





**For Further Queries/Assistance Contact**

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**Dr. Nilay Kumar, Course Coordinator: +91 8700563293**

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