

## APPLICATION FORM

**ICAR Winter School on “Climate Smart Agriculture for Sustainable Production” 18<sup>th</sup> Jan – 7<sup>th</sup> Feb, 2022**

**Centre for Advanced Studies on Climate Change,  
Dr Rajendra Prasad Central Agricultural University, Pusa,  
Samastipur- 848125**

1. Name (In Block Letters).....
2. Designation.....
3. Present Employer & Address.....
4. Address for Correspondence:.....  
E-Mail & Mobile:.....
5. Permanent Address.....
6. Date of Birth.....
7. Sex (Male/Female).....
8. Marital Status (Married/Unmarried).....
9. (a) Teaching / Research/ Extension Experience(Mention the post held in years):

S. No.	Post Held	Period with dates

(b) Present Area of Research with Publications.....

10. Mention if you have participated in any Summer/ Winter School/ Short Course during previous year under ICAR/ any organization (give details of course, organizers, duration/dates/years etc.)  
.....

11. Registration fees: Nil

12. Academic Record

Exam Passed	Subjects	Year	Division	University

13. Relevance of training to applicant’s present academic and research activities:.....

14. Signature of Applicant with Place and Date.....

15. Recommendations of the forwarding Authority: .....

(Signature with date, Designation & Institute Address)

### Certificate

It is certified that the above information was furnished as per office record and was found correct.

(Signature, Designation & Institute Address)



### Contact Address

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**Centre for Advance Studies on Climate Change**

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9801781819**

## Information Brochure

ICAR Sponsored



WINTER SCHOOL



on

**“Climate Smart Agriculture for  
Sustainable Production”**

18<sup>th</sup> JAN - 7<sup>th</sup> FEB, 2022



*Course Director:*

**Dr. Ratnesh Kumar Jha**

*Course Coordinators:*

**Dr Abdus Sattar**

&

**Dr S. P. Singh**

***Centre for Advanced Studies on Climate  
Change, (CASCC)***

**Dr Rajendra Prasad Central Agricultural University  
Pusa. Samastipur. Bihar-848125**

### About Pusa and the University:

Dr. Rajendra Prasad Central Agricultural University Pusa, the erstwhile Rajendra Agricultural University Bihar, named after the first President of India, Dr. Rajendra Prasad, has its legacy of first organized agricultural education, research and extension in India. The place Pusa has been named after Mr. Henry Phipps from USA who established Phipps Laboratory where in 1901 the Imperial Agricultural Research Institute was established marking the beginning of a systematic agricultural research in India. After the earthquake in 1934, this institute was shifted to Delhi with the same name that later on emerged as the Indian Agricultural Research Institute, Pusa after independence. Presently, Dr. Rajendra Prasad Central Agricultural University, Pusa is enriched with various eminent scholars and faculties, equipped with art of the state laboratories, smart and interactive class rooms and students from almost every state of India. The University has been adorned with AGRI Education 2021 for Excellent Green Campus Initiative along with FICCI University of the Year Award-2020(for more than 30 years in Excellence of Education) and has been ranked 10<sup>th</sup> and 9<sup>th</sup> amongst the universities of India in 2020 and 2021 consecutively. The innovating model of crop residue management for monetization of agriwastes- "SUKHET MODEL"- has been accepted by the whole scientific community and narrated by our Honourable Prime Minister, Shri Narendra Modi Ji in his 80<sup>th</sup> edition of "Mann Ki Baat". The university has bagged a series of national and international awards and added many more feathers to its achievements even during the pandemic and post pandemic era.

### About CASCC:

The "Centre for Advance Studies on Climate Change (CASCC)" was established by the University in August 2019 to provide one stop solutions for agricultural related problems due to changing climatic scenario faced by the farmers. The centre acts as a hub to generate data on different climatic variables to tackle the major challenges and its impact on agriculture and offer quality research, training and education regarding crop-weather parameters, crop production, nutrition and quality with net zero ground water exploitation. The centre also caters to the need of the farming community by successfully providing reliable weather forecast based advisories for climatic risk management. Moreover, conducting awareness programs to farming community, training to young scientists and students and conducting symposium and seminars to exchange valuable scientific information constitute a major part of the centre's mandate. After assessing the climate change impacts, it develops new climate resilient varieties of crops and cropping systems based on future climate change projections and ecologies along with climate change adaptation and mitigation through crop modeling and field agronomy and allied aspects. The center is also dedicated to climate and agriculture related disaster management through Indian Universities Institutions Network for Disaster Risk Reduction (IUIIN-DRR).

### How to Reach Pusa

Pusa is well connected to all nearby railway stations like Saheed Khudi Ram Bose Pusa (4 KMs), Samastipur (17 KMs), Darbhanga (50 KMs), Muzaffarur (35 KMs) and Patna (75 KMs) via rail and road transport. Participants may also come by air from Darbhanga airport (45 KMs) or Patna airport (80 KMs), however, they can only be reimbursed as per their entitlement with a maximum equivalent to AC II rail fare.

### About Winter School at CASCC:

There are an expert team of Professors and Scientists working under the Umbrella of "Centre for Advance Studies on Climate Change (CASCC).The School proposes to encapsulate the specialized new techniques, research methodology, teaching methods and materials with respect to Climate Change in Agriculture and its mitigation aspects. A myriad of topics are going to be highlighted regarding Advances in Micro-Irrigation, Advances in Agro-meteorological researches for risk management and enhanced productivity, Approaches for doubling of farmers' income, residue management, animal nutrition, farmers' empowerment and farm entrepreneurship development, farm resource management, soil water conservation, gender mainstreaming, ICT in Agriculture etc. As Climate Change impacts in agriculture and mitigation aspects being the most relevant issue today, we must upgrade ourselves towards generating cost effective and efficient adaptation techniques. The impacts of this programme will be highly visible. Not only the trainees will be enriched with cognitive and skill domains, but also they will build the capacity to disseminate their learning to the stakeholders and farming community as and when required. If any assistance is required, CASCC, stands ready to coordinate and follow up.

### Major Themes:

Following themes highlight the glimpses of upcoming lectures to be delivered and of course many more to be covered.

- Water Utilization Efficiency & Water Budgeting in Agriculture Climate Change aspects
- Impact of Climate Change on soil biota
- Crop Weather Relationships Analysis
- Solid Liquid Waste Management
- Integrated Pest Management
- Crop Models, Projections for Smart Agriculture
- Green Manuring, Brown Manuring and Weed Dynamics
- Carbon Sequestration through Agro-forestry
- Direct Seeded Rice Cultivation
- Agro-meteorological Perspectives of Sustainable Crop
- Green Manuring & Weed Dynamics
- Use of nutrient Decision Support Tools
- Micro-nutrients & Bio-fertilizers
- Short-term & long-term Weather Prediction Models
- Conservation Agriculture and Precision Agriculture

### Eligibility:

The course is open for active researchers/ Scientists not below the rank of Assistant Professor or equivalent and above in ICAR Institutes SAUs/ CAUs/Agricultural Faculties in AMU, BHU, Visva-Bharati and Nagaland University involved in Agriculture with two years of experience who are eligible to apply. A total of 25 participants will be selected for the course as per ICAR Guidelines.

### Procedure for Participation:

The applicants may see the guidelines available at the website for the winter school at <http://cbp.icar.gov.in>. As per the ICAR instructions, the interested candidates should register and apply online through "Capacity Building Programme" (CBP) link before 25<sup>th</sup> December 2021 as follows:

1. Visit the website <http://cbp.icar.gov.in> or click on Capacity Building Programme link under <http://www.icar.org.in>
2. Log in using your user ID and Password. To create user ID as "Create New Account" link
3. After login, click on "Participate in Training" link and fill the proforma.
4. Take a printout and send duly signed copy through proper channel to The Course Director, Winter School by post so that application form can also be downloaded from the University website <http://www.rpcau.ac.in>.

### Boarding & Lodging:

Participants will be provided free boarding and lodging as per norms and trainees will be accommodated in the University Guest House. Please note that strictly no accommodation will be provided to the family members or guests of participants in University Guest House. Since the temperature at Pusa during winter may go as below as 10°C or even low, the participants are requested please to bring sufficient woolen clothes with them.

### Traveling Allowance:

The candidates selected for participation in the Winter School will be reimbursed travelling expenses (To and fro) as per their entitlement restricted to 2<sup>nd</sup> AC rail fare by the shortest route after submission of original tickets.

### Evaluation:

The participants will evaluate the course programme for quality of contents, suitability and usefulness of target clientele through well-designed questionnaire. Likewise, participants will also be subjected to an assessment.

### Important Dates:

Last Date of receipt of Application	20 <sup>th</sup> Dec., 2021
Intimation to selected candidates	25 <sup>th</sup> Dec., 2021
Last Date for Confirmation from Participants	27 <sup>th</sup> Dec., 2021