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## CHIEF ORGANIZING SECRETARY

Dr Prabhjot Kaur Sidhu  
Chairperson Ludhiana Chapter of AAM cum  
Head, Dept. of Climate Change and Agricultural  
Meteorology, PAU, Ludhiana

## ORGANIZING SECRETARIES

Dr Sandeep Singh Sandhu  
Dr Kulwinder Kaur Gill  
PAU, Ludhiana

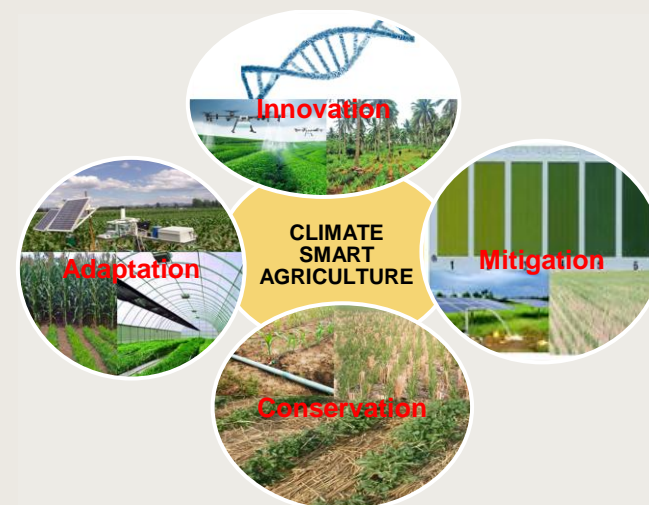


## VIRTUAL NATIONAL CONFERENCE

ON

## STRATEGIC REORIENTATION FOR CLIMATE SMART AGRICULTURE

V-AGMET 2021  
(17 – 19 March, 2021)



Organized by

LUDHIANA CHAPTER  
Association of Agrometeorologists

&

Department of Climate Change and  
Agricultural Meteorology,  
PAU, Ludhiana

## BACKGROUND

Agriculture dates back nearly 10,000 years. The rapid growth of the world's population has caused an increase in demand for food production. The agriculture along with other sectors is responsible for climate change due to GHG emissions and it is also severely affected by these changes. Climate change and its variability is a threat to India's agricultural growth and food security.

The earth's temperature has increased at an average rate of 0.07°C per decade since 1880. Since 1981 the average rate of increase is 0.18°C which is more than twice the earlier rate (NOAA 2019). The signatures of climate change in India are resulting in more seasonal variation in temperature, droughts, floods, cyclones, extreme rainfall, frost, hailstorms etc. All this has direct bearing on crop production. In spite of rapid technological advancements (high yielding varieties, improved crop production and protection technologies, increased irrigation potential), agriculture in India is vulnerable to weather and climate change.

To reduce the impact of climate change on agriculture various agricultural technologies are being developed and adopted. Climate-smart agriculture is an approach that helps to guide actions needed to transform and reorient agricultural systems to effectively support development and ensure food security in a changing climate. The aim of these technologies are to sustainably increase agricultural productivity and incomes, adapting and building resilience to climate change and reducing greenhouse gas emissions. It provides the means to help stakeholders from local to national and international levels identify agricultural strategies suitable to their local conditions. There is dire need to scale up the available technologies to enable the farmers in India to adopt climate smart agriculture technologies to cope with the impacts of the climate change.

## CONFERENCE THEMES

- Climate smart practices for agricultural sustainability
- Recent advances in science based assessment of climate change and impacts
- Development and validation of Decision Support Systems for management of insect-pests and diseases
- Strategies for management of aberrant weather stresses in crops and livestock
- Role of Agromet advisories to boost the livelihood security of rural masses
- Agricultural governance through ICT, simulation modeling and remote sensing

## CALL FOR PAPERS

The extended summaries will be published online in the conference proceedings. The selected full length papers after peer review will be submitted in the Journal of Agrometeorology.

## FORMAT FOR EXTENDED SUMMARY

Maximum four pages as per format of short communications in the Journal of Agrometeorology. Times New Roman, font size 11 with 1.5 line spacing.

## IMPORTANT DATE AND TIME

- Last date for registration & submission of extended summary - **February 15, 2021**
- Acceptance communication- **February 28, 2021**
- Submission of posters for online display - **March 7, 2021**

## REGISTRATION

- **No registration fee-** For students, research fellows / associate, young professional as a lead author (With a valid I-card)
- **Registration fee Rs 500/-** For scientists and other participants
- Only one paper as **first author** will be accepted

**FOR REGISTRATION, PLEASE CLICK THE FOLLOWING LINK**

<https://forms.gle/npwBoTDLDGAR9CTZA>

## Bank Details

Participants are requested to deposit registration fees by online transfer into the bank account given below:

Account Name : Association of Agrometeorologist Anand Ludhiana Chapter

Account Number : 29380200000218

Bank Name : Bank of Baroda PAU, Ludhiana Branch

IFSC Code : BARB0PAULUD

## CONFERENCE DATE AND MODE

**The conference will be organized in online mode from 17 to 19 March, 2021.**

## AWARDS

- A certificate for attending the conference will be awarded to each participant on the successful participation (minimum presence during 90% time span).
- Best poster and oral presentations will be awarded in student / PG scholar and scientist categories separately.

## FOR ANY QUERIES CONTACT

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