



# National Conference AGMET 2022

## Advances in Agrometeorological Interventions for Climate Resilient Agriculture



Jointly organized by  
**Association of Agrometeorologists, Anand, Gujarat**  
&  
**Tamil Nadu Agricultural University, Coimbatore, TN**



**2 - 4**  
**NOVEMBER**  
**2022**

Registration



Abstract Template



Scan & Pay



Registration open

August 10, 2022

Abstract Submission

September 15, 2022

Acceptance Notification

September 22, 2022

Registration Closes

October 15, 2022

### Registration Fee

Students & Res. Staff	Rs. 2000/-
AAM Members	Rs. 4000/-
Non AAM members	Rs. 5000/-
Late fee (Additional)	Rs. 500/-

Payment mode

Preferably pay thro' QR code or  
Online transfer

Association of Agrometeorologists  
(Coimbatore)

SBI Account No.: 36158479814

IFSC : SBIN0002274

DD favour

Association of Agrometeorologists  
payable at TNAU, Coimbatore

Patron

**Prof. V. Geethalakshmi, Ph.D**  
Vice Chancellor, TNAU & FAAM

**Dr. Himanshu Pathak, Ph.D**  
DG (ICAR), New Delhi

**Dr. M. Ravichandran, Ph.D**  
Secretary, MoES, New Delhi

National Organizing Committee  
Chairman

**Dr. Vyas Pandey, Ph.D**  
President, AAM, Anand & FAAM

Conveners

**Dr S B Yadav, Ph.D**  
Secretary, AAM Anand

**Dr. M.K.Kalarani, Ph.D**  
Director, DCM, TNAU

Organising Secretary

**Dr. SP. Ramanathan, Ph.D**  
Chairman, AAM - Coimbatore  
Professor and Head,  
Agro Climate Research Centre,  
TNAU, Coimbatore - 641 003

Venue

TNAU main campus  
Coimbatore

agmet2022cbe@tnau.ac.in, 0422 6611305,  
9486186076, 9443935107, 8148095501, 9715444242

Contact



## National Conference



### Advances in Agrometeorological Interventions for Climate Resilient Agriculture

2 - 4 NOVEMBER, 2022

Tamil Nadu Agricultural University  
Coimbatore

Jointly Organized by  
Association of Agrometeorologists,  
Anand, Gujarat  
&  
Tamil Nadu Agricultural University  
Coimbatore, Tamil Nadu

#### About

Inter and intra seasonal fluctuation in climate has a significant impact on the agricultural production system. Climate change is now a reality as evident from the significant increase in CO<sub>2</sub> concentration and global mean temperature. Increasing levels of GHGs alter the energy balance between the atmosphere and the Earth's surface, in turn increase the temperature and modify the chemical composition of the atmosphere.

Extreme weather events, such as droughts, floods, cold waves, heat waves and other phenomena have increased and impact the agricultural production systems, which will likely to continue in the future. In addition, agriculture and allied sectors such as animal husbandary and fisheries are also influenced by the climatic factors through biotic and abiotic stresses.

Climate Resilient Agriculture (CRA) could be achieved by better management of farm resources, minimising losses, and sustaining the output with agrometeorological interventions. In view of knowledge sharing on the advancement in agrometeorological research, new concepts, hitech instruments, ICT, IoT, AI and ML technologies in climate studies, the Agmet 2022 has chosen the following themes.

#### Themes

1. Climate variability and extreme events on agriculture
2. Micrometeorological modifications for Climate Resilience
3. GHGs and air pollution in Agro-eco systems
4. Climate change and allied sciences
5. Climate Change on Livestock, Poultry and Fisheries
6. Crop weather models in farm level decision making
7. Crop weather pest dynamics and forewarning
8. RS & GIS in agrometeorological applications
9. ITK and ICT tools in Climate Services

#### Call for Abstracts and registration

Original research abstracts on the above themes are invited for oral and poster presentation. The soft copy of abstract in latest 'word.docx' format as in template may be uploaded in the google form link given for registration. The authors of selected abstract will be intimated for either oral or poster presentation along with the acceptance. Awards will be given to best oral and poster presentation in each session. Simple registration without abstract is sufficient for spectatorial participants.

#### Link for registration and abstract submission

<https://forms.gle/mMbeANVUX3V6Q1Ga9>  
<https://sites.google.com/tnau.ac.in/agmet2022/home>

#### Organizers

Association of Agrometeorologists (AAM), Anand, Gujarat was established in March 1999 at Anand Agricultural University, Gujarat, India with the aim to encourage and promotes the advance research in Agrometeorology, to be a platform of interaction for the agrometeorologist, institutions and industries for achieving advancement in application of the Agrometeorology. AAM has seventeen Chapters viz., Bhopal, Bihar, Coimbatore, Delhi, Faizabad, Hisar, Hyderabad, Jammu, Kashmir, Ludhiana, Meerut, Mohanpur Pantnagar, Parbhani, Pune, Raipur and Thrissur. Presently having more than 1800 life members spread across the globe.

Tamil Nadu Agricultural University (TNAU) is located at Coimbatore, foot hill of Western Ghats, geographically at 11° N and 77° E, 427 m above msl. TNAU has 150 years establishment history and is celebrating its Golden Jubilee year 2021 – 2022 for being State Agricultural University. The UG, PG and Ph.D curriculums in agriculture, horticulture, forestry, agricultural engineering and home science, are effected at 14 constituent and 37 affiliated colleges, in addition to 36 research stations and 14 KVKs. high note with 12 constituent colleges spread throughout Tamil Nadu. TNAU took the pride of being first SAU accredited by the ICAR. TNAU has bagged the Sardar Patel Outstanding ICAR Institution Award thrice, very recently for 2021. ICAR certified that TNAU was ranked 8<sup>th</sup> among Agricultural Universities in India.

#### Programme Venue and Accommodation

TNAU has well equipped conference halls which can host 750 participants comfortably. Participants can enjoy the pleasant chill and drizzling weather of Coimbatore during November. Accommodation will be at University guest houses, confirmed 15 days prior to the conference on first-come, first-served basis. Accommodation will also be arranged in elite hotels on a twin-sharing basis for Rs. 2500 per room. Kindly indicate your preferences in the registration form to accordingly.

#### Place of interest for visit



Maruthamalai Temple  
9 km



Isha Meditation centre  
35 km



Kovai kutralam falls  
35 km



Ooty garden & lake  
85 km



Top slip Elephant safari  
85 km



Palani Murugan Temple  
85 km

#### National Organizing Committee

**Dr. R. Jagannathan**, Vice Chancellor, Periyar University, Salem  
**Dr. Mrutyunjay Mohapatra**, DGM, IMD, New Delhi  
**Dr. T. N. Balasubramanian**, FAAM, Coimbatore  
**Dr. Akhilesh Gupta**, FAAM, Head, SPLICE, DST, New Delhi  
**Dr. K.K. Singh**, Head ASC, IMD, New Delhi  
**Dr. S. Venkataraman**, FAAM, Pune  
**Dr. B. V. Ramana Rao**, FAAM, Hyderabad  
**Dr. A. M. Shekh**, FAAM, Anand  
**Dr. Y. S. Ramakrishna**, FAAM, Hyderabad  
**Dr. M. C. Varshney**, FAAM, Pune  
**Dr. L. S. Rathore**, FAAM, Jaipur  
**Dr. S. S. Hundal**, FAAM, Ludhiana  
**Dr. O. P. Bishnoi**, FAAM, Hisar  
**Dr. M. Sivakumar**, FAAM, Geneva  
**Dr. Samsul Huda**, FAAM, Sydney  
**Dr. V. U. M. Rao**, FAAM, Hyderabad  
**Dr. Gouranga Kar**, FAAM, Bhubaneswar  
**Dr. P. Vijaya Kumar**, FAAM, Hyderabad  
**Dr. Santanu Kumar Bal**, FAAM, Hyderabad  
**Dr. Natraj Subash**, FAAM, Modipuram  
**Dr. G.G.S.N Rao**, FAAM, Hyderabad  
**Dr. Prabhjot Kaur**, FAAM, Ludhiana  
**Dr. Kripan Ghosh**, Head (Agrimet.), IMD, Pune  
**Dr. J. D. Jadhav**, Vice President, AAM, Pune  
**Dr. A. K. Srivastava**, Jt. Secretary, AAM, Tikamgarh  
**Dr. B. I. Karande**, Treasurer, AAM, Anand  
**Dr. C. S. Dagar**, AAM, Hisar  
**Dr. S. Sridhara**, AAM, Shivamogga  
**Dr. Sandeep S. Sandhu**, AAM, Ludhiana  
**Dr. K. K. Dakhore**, AAM, Parbhani  
**Sri. V. B. Vaidya**, AAM, Anand  
**Dr. R. K. Mall**, AAM, Varanasi  
**Dr. Abdus Sattar**, AAM, Samastipur  
**Dr. N. R. Patel**, AAM, Dehradun  
**Dr. Kamaljit Ray**, AAM, New Delhi  
**Dr. B. Ajithkumar**, AAM, Thrissur  
**Dr. Surender Singh**, Managing Editor, JAM Hisar

#### State level Organizing Committee

**Dr. R. Thamizh Vandan**, Registrar, TNAU, Coimbatore  
**Dr. M. Raveendran**, Director of Research, TNAU, Coimbatore  
**Dr. S. Pazhanivelan**, Director, WTC, TNAU, Coimbatore  
**Dr. P. Balasubramaniam**, Director, NRM, TNAU, Coimbatore  
**Dr. M. Shanthi**, Director, CPPS, TNAU, Coimbatore  
**Dr. E. Somasundaram**, Director, ABD, TNAU, Coimbatore  
**Dr. P. Jeyakumar**, Director, DPM, TNAU, Coimbatore  
**Dr. N. Maragatham**, Vice Chairman (AAM-CBE) & Dean, DSW, TNAU, Coimbatore  
**Dr. S. Panneerselvam**, Secretary (AAM-CBE) & Professor & Head, Dept. of Agronomy, TNAU, Coimbatore  
**Dr. Krishnan**, Professor & Head, SOA, TNAU, Coimbatore  
**Dr. A. Senthil**, Prof. & Head, Crop Phys., TNAU, Coimbatore

#### Co Organizing Secretaries

**Dr. N.K. Sathyamoorthy**  
Associate Professor (Agronomy)  
**Dr. Ga. Dheebakaran**  
Assistant Professor (Agronomy)  
**Dr. K. Boomiraj**  
Assistant Professor (Environmental Science)  
**Dr. S. Kokilavani**  
Assistant Professor (Agrometeorology)