

BACKGROUND

Agriculture plays a vital role in the Indian economy. Agriculture is one of the primary sources of livelihood and leads to income generation for around 263 million or 22 per cent of the population. Moreover, agriculture is responsible for the secondary livelihood source of around 70 percent of the population. To secure future of agriculture and to improve livelihood of half of India's population, adequate attention needs to be given to improve the welfare of farmers and to raise agricultural income.

Agrometeorology by definition investigates adaptation strategies to weather and climate in raising crops, trees, livestock and fish. It studies water, heat, air and related biomass development in the agricultural production environment, including disasters, and their socio-economic consequences for farmers as decision makers. This leads to agrometeorological services for response farming with irrigation scheduling, early warnings, microclimate manipulation and the application of weather forecasts in a changing and increasingly variable climate.

Enhancing resilience of agriculture to climate risk is of paramount importance for protecting livelihoods of farmers. It is predicted that for every two-degree rise in temperature, the agriculture GDP of India will reduce by five percent. In this context the worst hit will be small-land holders and producers, as their ability to cope with the speed and intensity of climate events, is an issue of concern. The need for a climate resilient approach to agriculture is critical for India with 60 percent of Indian agriculture being rain fed and more than 80 percent farmers are small-land holders. In the context of climate change and variability, farmers need to adapt quickly to enhance their resilience to increasing threats such as droughts, floods and other extreme climatic event in order to sustain crop yields and farm income.

In this context, the Association of Agrometeorologists (AAM), Anand in collaboration with Kerala Agricultural University (KAU), Thrissur is organising a National Seminar on 'Agrometeorological interventions for enhancing farmers' income (AGMET-2020)' during January 20-22, 2020 at College of Horticulture, KAU, Vellanikkara, Thrissur, Kerala.

BROAD THEMES OF THE SEMINAR

1. Climate variability & change: projections, impact on agriculture and mitigation
2. Micrometeorological modifications for climate resilient farming
3. Extreme weather events and its impact on agriculture
4. Crop weather models for enhancing farmers' income
5. Biotic and abiotic stress management for climate resilient farming
6. Applications of remote sensing and GIS for enhancing crop production
7. Crop-weather-pest-disease relationship and forewarning under changing climate
8. Use of ITK and ICT tools for climate resilient farming
9. Forest resilience, biodiversity and climate change
10. Interventions to mitigate climate change on Livestock, Poultry and Fisheries

CALL FOR PAPERS

The scientific papers for oral and poster presentation on any of the themes listed above are invited for the seminar. Abstract typed in MS Word not exceeding 500 words excluding the title, affiliation etc., typed error free, single line spacing, 12 points in Times New Roman font must be submitted to the Organising Secretary 'AGMET - 2020' through Email to agmet2020aam@gmail.com latest by Friday, the 20-September, 2019. Registration form and further details are available at the seminar website www.agmet2020.in.

REGISTRATION

Participants are requested to register themselves for participation in the seminar on or before Wednesday, the 20 - November, 2019. Thereafter, a late fee of - Rs. 750/- will be charged. The registration fee may be paid by Cash/ Demand Draft/Pay Order. The fee may also be credited by ONLINE transfer into the Bank Account given below :

ACCOUNT NAME : Association of Agrometeorologists Anand Thrissur Chapter
ACCOUNT NUMBER : 38332643829
BANK NAME : SBI, KAU Campus Branch, Vellanikkara, Thrissur
IFS CODE : SBIN0070670

The scanned copy of the duly filled and signed registration form and copy of demand draft/receipt of online payment may be sent by email to agmet2020aam@gmail.com. The original registration form may be produced at the time of seminar.

REGISTRATION FEE

- **Members/Faculties** - Rs. 3500/-
- **Non-members (Industries/Others)** - Rs. 4500/-
- **PG Students with bonafide certificate** - Rs. 2000/-
- **Researchers with bonafide certificate** - Rs. 2500/-
- **Foreign nationals** - US \$ 150
- **Accompanying person** - Rs. 4000/-

IMPORTANT DATES

- **Last Date for Abstract Submission** - September 20, 2019
- **Abstract Acceptance Communication** - October 20, 2019
- **Last Date for Registration (without late fee)** - November 20, 2019
- **Last Date for Accommodation Request** - December 20, 2019

INDUSTRY PRESENTATION & EXHIBITION

Special sessions are being organized to provide a platform for industry/ entrepreneurs to showcase their activities/initiatives/products. A presentation slot of 15-20 minute duration will be available for interested industry/ entrepreneurs. Provision is also being made for vendors/ industries to exhibit their products and services as well. For detailed information contact: **Dr. B. Ajithkumar, Organising Secretary, 'AGMET - 2020', contact details: +91 9847749670 (M), Email: agmet2020aam@gmail.com.**

SEMINAR VENUE

'AGMET - 2020' will be held at College of Horticulture, Kerala Agricultural University, Vellanikkara, Thrissur, Kerala. Thrissur is the cultural capital of Kerala and known for sacred sites and colorful festivals. Thrissur is well connected by air, rail and road. The Kochi International Airport (COK) is about 52 km and Thrissur railway station is about 12 km from the venue.

The normal weather during the National Seminar are:- maximum temperature (33.0 - 34.0 °C), minimum temperature (21.0- 22.0 °C), forenoon relative humidity (69.0 - 72.0 %), afternoon relative humidity (35.0-38.0 %), bright sunshine hours (8.0-9.0 hrs) and wind speed (8.0 - 9.0 km hr⁻¹).

PLACES OF TOURIST INTEREST



Athirappally waterfalls
(61 km)



Guruvayur temple
(37 km)



Snehatheeram beach
(34 km)



Peechi dam (17 km)



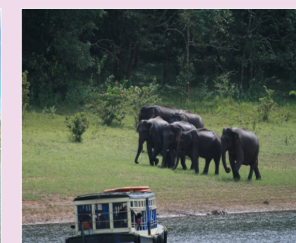
Punnathurkotta elephant
sanctuary (39 km)



Vadakkumnathan temple
(11 km)



Alleppey backwaters
(132 km)



Thekkady wild life
sanctuary (204 km)



Kovalam beach
(292 km)

ACCOMMODATION

Accommodation will be confirmed on first come first serve basis in the Kerala Agricultural University guest houses and hostels based on availability and preferences will be given to students/research fellows at university hostels. However due to limited accommodation facility within the campus, arrangement for stay of delegates may also be made in decent hotels. Kindly indicate your preference in the registration form to facilitate accordingly. Accommodation may be requested before December 20, 2019. Other details are available in the seminar website.

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NATIONAL SEMINAR ON AGROMETEOROLOGICAL INTERVENTIONS FOR ENHANCING FARMERS' INCOME (AGMET – 2020)



KAU, THRISSUR, KERALA
20 – 22 JANUARY, 2020

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