Convenors

Dr. R. Vinoth National Secretary (GC), AIASA, New Delhi

Mr. D. Balu State Secretary, AIASA, Tamil Nadu

Er. Rathinavel S Joint Secretary, AIASA, South Zone

Organising Commiitte

Dr. V. Guhan State President, TN - AIASA

Mr. T. Elanthendral State Chairman (IT Cell), TN - AIASA

Technical Team

Mr. G. Vignesh State Secretary (IT Cell), TN - AIASA

Mr. N.K. Sathish Kumar Deputy Chairman (IT cell), TN-AIASA

Mr.P. Jagadeshwaran Senior Coordinator (IT Cell), TN-AIASA

> **Mr.A. Arun** Member (SEC), TN-AIASA

For Event Registration Click Here, https://forms.gle/WiCBzwf37d4cmGkk8 **Guest Lecture**

&

Inauguration of the Agro-

Climatological Model Training

Dr. V Geethalaksmi

Director (CM), Tamil Nadu Agricultural University, Coimbatore

Resource Persons

Dr. R. Gowtham State Secretary, State Environment Cell TN - AIASA

Dr. K. Bhuvaneswari Deputy Chairman, State Environment Cell TN - AIASA

Dr. N. Kowshika Senior Advisor, State Environment Cell TN - AIASA

Dr. K. Senthilraja State Chairman, Anti-corruption Cell TN - AIASA

> **Dr. S. Arul Prasad** State Coordinator (Agric ulture), TN - AIASA

Dr. V. Guhan State President, TN - AIASA





"World Day to Combat Desertification & Drought"

17 June 2021

by All India Agricultural Students Association Tamilnadu State Environmental Cell TN- AIASA



JUNE 17 FRIDAY TIME: 3.00 PM ONLINE

Background

The development of agrometeorological and agro-climatological models include climate crop and soil. Adequate human resource capacity has to be improved to develop and validate simulation models across the globe. Multidisciplinary research activities are essential for qualitative works in crop growth modelling. Linkages shall be made and strengthened among research - education - extension to guickly disseminate the outcomes of models to farmers. It is important to differentiate between models of interest for research and for practical application. So, models useful to farmers with minimum input parameters shall find right place in the society. It is always preferable to use one or more methods / models in conjunction to get more realistic conclusions useful to the farmers, who are the ultimate beneficiary along with industries. It is important to link the crop simulation models to local short and long-term weather forecasts. This will improve the yield predictions and provide policy makers with advanced yield information to help manage expected famines and other associated problems. The agricultural scientists and planners are facing formidable challenges to ensure continued increases in agricultural productivity to meet the food grain requirements of burgeoning population across the globe. Nowadays, the traditional field experimentation is becoming very expensive. So, the works on development and use of crop growth models to answer strategic and tactical guestions concerning agricultural planning as well as on-farm soil and crop management are essential. With this view, series of training program on "Crop Weather Modeling: Tools for Climate Smart Agriculture" is being organized by All India Agricultural Students Association, Tamil Nadu, through online mode.

Topics

- Climate analysis for agricultural planning and risk management
- Crop system models for evolving best management practices for maximizing the crop productivity
- Assessment of climate change impacts on cropsthrough multi-model approaches
- Climate smart agriculture
- Employing the crop simulation models for enhancing the climate resilience of cropping systems
- Weather and climate forecast for agriculture
- Response farming
- Weather based pest and disease forewarning models
- Water resource modeling
- Relevance of agriculture to climate change mitigation
- Forest and environment protection
- Integrated modeling for effective resource management
- Environmental and social management

For AIASA Memebership Click Here https://aiasa.org.in/aiasa_registration/index.php/

Schedule

03.00 - 03.05 PM	Welcome address Dr. V Guhan, State President TN - AIASA
03.05 – 03.10 PM	Glimpses of Training Program Lecture Series Dr.R Gowtham, State Secretary , State Environment Cell TN - AIASA
03.10- 03.15 PM	Felicitation Dr.Sahadev Singh, Chief Policy Advisor, AIASA, New Delhi
03.15 - 04.00 PM	Guest Lecture & Inauguration by Dr.V.Geethalaksmi, Director (CM), Tamil Nadu Agricultural University, Coimbatore
04.00 - 04.05 PM	Vote of Thanks Dr.K.Bhuvaneswari, Deputy Chairman, State Enviro <u>nment</u>



Cell TN - AIASA