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Dr. S. N. Malleswari, Programme Coordinator, KVK, Reddipalli

## LOCAL ORGANIZING COMMITTEE

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**Co-Chairman :** Dr. M.V. Ramana, Associate Dean, S.V. Agricultural College, Tirupati

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Dr. N. V. Sarala, Principal Scientist (Agronomy) & Head, ARS, Perumalapalli  
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Dr. M. Srinivasa Reddy, Principal Scientist (Agronomy) & Head, ARS, Kavali

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**Co-Chairman :** Dr. K.V. Ramana Murthy, Principal Scientist (Agronomy), RARS, Anakapalle

### Members :

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Dr. A. Subba Rami Reddy, Professor (Agronomy) & Head, Agricultural College, Mahanandi  
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## RESOURCE MOBILIZATION COMMITTEE

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**Co-Chairman :** Dr. V. Sumathi, Associate Director of Research, RARS, Tirupati

### Members :

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Dr. G. Jogi Naidu, Professor (Agronomy) & Head, Agricultural College, Naira  
Dr. D. Subrahmanyam, Professor (Agronomy), S.V. Agricultural College, Tirupati

## REGISTRATION FORM

### National Seminar on “ Climate Smart Innovations to Address the Current Agronomic Challenges ”

**Date : 13<sup>th</sup> - 14<sup>th</sup> MAY, 2025**

**Venue : ANGRAU-RARS, Tirupati, A.P.**

1. Name :
2. Designation :
3. Organization :
4. Address for correspondence :
5. Theme :
6. Sub-Theme :
7. Title of the Paper :

E-mail :

Contact No. :

8. Name of the author (s) :

9. Transaction Number  
with Date :

Signature

 [Click here to Register](#)



### National Seminar on

### “ Climate Smart Innovations to Address the Current Agronomic Challenges ”

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### ORGANIZED BY

**Andhra Pradesh Chapter  
Indian Society of Agronomy,  
ANGRAU, Andhra Pradesh**

### IN COLLABORATION WITH

**Acharya N.G. Ranga Agricultural University,  
Lam, Guntur, A.P.**

**Indian Society of Agronomy, IARI, New Delhi**



## BACKGROUND

Global agriculture faces multipronged challenges that have far-reaching implications for food security, environmental sustainability and economic stability. The world's population is on an upward trajectory, and the demand for food, fibre, and bioenergy is escalating. Moreover, the demand for food, energy, and water will be increased by 50, 45, and 30%, respectively, by 2030. Hence, we need to produce 60% more food to feed the world population by 2050. The per capital availability of agricultural land in India is 0.12 ha. Likewise, per capita water availability in India may decline to 1,235 m<sup>3</sup> by 2050. The country has commitment for reduction 1 billion tonnes of carbon by 2030. Therefore, effective mitigation measures and appropriate adaptation technologies must be taken to reduce GHG emissions and enhance crop productivity. These challenges can be met through the pursuit of frontiers in agronomy. Frontier agronomic technologies such as crop diversification, conservation agriculture, integrated farming systems, agroforestry interventions, nature-based solutions, organic farming, innovations in weed management, and biomass management can potentially maximize crop productivity and resource-use efficiency without compromising environmental sustainability. Similarly, precision water and nutrient management have the potential to reduce the cost of production and improve crop productivity. As India has substantial area under rice-fallow, the agronomic interventions will help to enhance the productivity of rice-fallow lands. Similarly, India has vast area under hilly regions, hence, innovations in hill agriculture can open new avenues for effective utilization of hill lands for sustainable agricultural production. As India committed to restoring the 26 million ha degraded land by 2030, agronomic interventions may help to achieve the Land Degradation Neutrality (LDN) targets. Therefore, food and nutritional security, energy-efficient operations, land degradation neutrality, gender empowerment, and livelihood diversification through the amalgamation of nature-based solutions, harnessing genetic potentials, digital solutions and post-harvest supply chain food systems, biotic and abiotic stresses management, effective technological dissemination and participatory approaches will help in achieving one health goal. Further, universal education, corporate, policy, civil societies, leveraging and research interface in the food system, and new vistas in the Agronomic Education Policy framework towards agronomic innovations will contribute immensely to Agriculture and Viksit Bharat by 2047.

The proposed national seminar on "Climate Smart Innovations to Address the Current Agronomic Challenges" is aimed to bring together the researchers, farmers, NGOs, P.G. and Ph.D. students, policy makers to discuss on research outcomes, the successful initiatives made for development of Agriculture by State, Central governments, NGOs etc, latest technological interventions adopted in different States, policies need to support farmers and to enhance farm income. Opportunities emanating to convert as production hubs of nutri-cereals, pulses, oilseeds and diversified land use promotion for mitigation of climate change impacts would be discussed extensively. Proceedings of the conference would be brought out to provide a direction for productivity enhancement in the years to come for secured livelihoods and enhanced farm income.

## SUB THEMES

1. Innovative Practices for Enhancing Crop Productivity under Climate Stress.
2. Advanced Soil and Water Conservation Strategies for Climate Adaptation.
3. Agro-Biodiversity and Ecosystem-Based Solutions for Climate Resilience.
4. Emerging Technologies for Sustainable Pest, Disease, and Weed Management.
5. Climate-Smart Policies and Economic Pathways for Sustainable Agriculture.

## CALL FOR PAPERS

The scientists/students are invited to participate and share their experiences in the national seminar. They are requested to contribute articles for oral /poster presentation. The Extended Summary should not exceed 3 double space typed quarter size pages, including tables and references. Authors should ensure scientific and grammatical correctness of Extended Summary as it will be published as such without any editing. The extended summary should begin with brief introduction and objectives, followed by methodology, results, conclusion and references. Heading of Methodology, Results, Conclusion and References may be given in capital letters. No heading of introduction is required. The extended summary should be submitted latest by 25-04-2025 and a soft copy of extended summary may be mailed to [apchapteragronomy@gmail.com](mailto:apchapteragronomy@gmail.com).

## REGISTRATION FEE

The registration fee for scientists/delegates is Rs.2500/- for life members of the society, Rs.4000/- for non-life members and Rs.500/- for PG student/Research Associates/Research Fellows for annual/life members of the society, Rs. 1000/- for non-life members. Students who wish to become members of AP Chapter of ISA should pay Rs.1000/-. The registration fee may be paid through online (Account payee 069612010000068 IFSC code UBIN0806960) or directly to the Convener, AP chapter of Indian Society of Agronomy, ANGRAU. The papers without registration fee or those received after the due date will not be entertained.

## DATE AND VENUE

May 13<sup>th</sup>-14<sup>th</sup>, 2025 at Regional Agricultural Research Station, Tirupati, Andhra Pradesh, India. The venue is well connected by Air, Road and Rail. The campus is located in outskirts of the town.

## ACCOMMODATION

Accommodation will be arranged on payment basis in the local private guest houses and hotels. Hotel tariffs are in the range of Rs.2500-5000 for double bedroom A/C and Rs.1000-2500 for Non A/C rooms.

## ABOUT THE CITY

Tirupati, commonly referred to as the "Spiritual Capital of Andhra Pradesh", is being developed as the knowledge hub of the State with the establishment of IISER and IIT in the city. Apart from these two institutes, Tirupati has several established educational and research institutions such as Sri Venkateswara Veterinary University, Sri Venkateswara Agricultural College, The National Atmospheric Research Laboratory, Sri Padmavathi Mahila Viswa Vidyalayam, Sri Padmavathi Medical College for Women, Sri Venkateswara Institute of Medical Sciences (SVIMS), Rashtriya Sanskrit Vidyapeetha, Sri Venkateswara Vedic University and Sri Venkateswara Institute of Traditional Sculpture and Architecture (SVITSA).

Tirupati is the 2<sup>nd</sup> biggest and 7<sup>th</sup> urban agglomerated city in Andhra Pradesh with wide roads, access to technology based services like food delivery, online booking of travel by bus or train or air, highly connected bus stations. Tirupati hosts many multi speciality hospitals, science centre, best english medium schools and degree colleges which offer different disciplines affiliated to Sri Venkateswara University. An electronic manufacturing cluster is established with IT/ITES industries near the airport. With tourist-based industries like hotels, travels and event management companies provide major employment opportunities to local people.

## WEATHER

The weather in Tirupati during 2<sup>nd</sup> week of May is hot and dry. Temperature in May ranges from about 26.2°C to 37.4°C. The days are very hot, but the evenings are cooler. The cooler evenings make it suitable for sightseeing and outdoor activities.

## IMPORTANT DATES

Last date for submission of extended summary	25-04-2025
Acceptance of extended summaries	28-04-2025
Payment of registration fee	30-04-2025