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National Organizing Committee

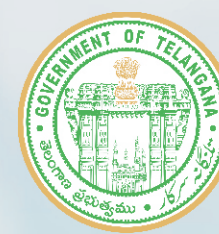
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NATIONAL CONFERENCE ON CLIMATE CHANGE AND HORTICULTURE: IMPACTS, ADAPTATION AND MITIGATION STRATEGIES (CLIMAHort-2025) (18th & 19th September 2025)



Jointly Organized by

Sri Konda Laxman Telangana Horticultural University, Hyderabad
Department of Horticulture, Govt. of Telangana, Hyderabad
Dr. Rajendra Prasad Central Agricultural University, Samastipur, Pusa, Bihar
NABARD, Regional Office, Hyderabad

Supported by

Ministry of Earth Sciences, Govt. of India, New Delhi

Venue

Sri Konda Laxman Telangana Horticultural University,
Mulugu (V&M), Siddipet (District), Hyderabad



About the Conference

Horticulture plays a pivotal role in India's agricultural landscape, contributing approximately 30% to the agricultural Gross Value Added (GVA) while occupying only 6% of the total cropped area. As per 2023–24 estimates, horticultural crops cover 28.63 million hectares, producing 352.23 million tonnes, whereas food grains produce 328.85 million tonnes, from an area of 124.78 million hectares. The productivity of horticultural crops (12.49 t/ha) is much higher compared to food grains (2.23 t/ha), highlighting high value of horticultural crops.

In addition to its economic significance, horticulture plays a crucial role in ensuring nutritional security, generating rural employment, and promoting crop diversification. India leads the world in the production of fruits, vegetables, spices, coconut & cashew, and is cultivating new commercial crops such as kiwi, avocado, and dragon fruit. However, rising demand, driven by changing consumer preferences and export growth calls for further increase in production, improved post-harvest management and a focused response to challenges such as resource limitations, pest outbreaks, natural disasters and climate change. To address these issues sustainably, the adoption of climate-smart horticultural technologies is imperative.

Despite these remarkable achievements, the horticulture sector faces mounting threats from climate change, which is estimated to cause annual agricultural losses of US\$ 9–10 billion in India. The South Asian region, including India, is particularly vulnerable to extreme weather events such as droughts, floods, and heatwaves, which significantly disrupt horticultural productivity. High temperatures can reduce fruit set damage blossoms and intensify water stress, especially in vegetable crops.

While the concerted efforts of ICAR, other national institutions and National Horticulture Mission have led to a 38.5% increase in horticultural productivity between 2004–05 and 2021–22, significant challenges still remain. Limited data availability continues to hinder real-time assessment and effective adaptation strategies. There is an urgent need for detailed research on the effects of climate change on crop growth, yield and quality. The conference will focus on the impact of climate change on horticultural crops, its assessment and methodological issues, along with resilient farming practices that integrate both indigenous and modern knowledge systems to create sustainable, locally adaptable solutions for various climatic stresses.

Main Theme

Climate Change and Horticulture: Impacts, Adaptation and Mitigation Strategies

Sub-Themes

- ✓ Climate change and extreme events: Impacts on Horticulture crops and their pollinators
- ✓ Methodologies for impact assessment including crop modelling
- ✓ Vulnerability Adaptation and Mitigation Strategies
- ✓ Socio-Economic constraints in adoption of Climate Smart Horticultural practices
- ✓ Policy and financial support to farmers to cope with multiple climate risks

About SKLTGHU (www.skltgghu.ac.in)

Sri Konda Laxman Telangana Horticultural University (SKLTGHU), established on **December 23, 2014**, is the **only horticultural university in Telangana**. It was bifurcated from Dr. Y.S.R. Horticultural University with the mandate to serve the state's farmers and horticultural industry through education, research and extension. The university comprises three constituent colleges, one Post Graduate Institute for Horticultural Sciences, three polytechnics, ten research stations and one Krishi Vigyan Kendra (KVK). It also includes one affiliated college—the Forest College and Research Institute—and one affiliated polytechnic. Accredited by ICAR, SKLTGHU offers a range of academic programs including B.Sc. (Hons.), M.Sc., Ph.D. and diploma courses in horticulture. The university maintains strong industry linkages, fostering student exchange programs and collaborative research initiatives. SKLTGHU undertakes location-specific research on fruits, vegetables, spices, floriculture, medicinal and aromatic plants, post-harvest technology and value addition, addressing the evolving needs of farmers across the state.

About Telangana and its Culture

Telangana, the 29th state of India, was formed in 2014 and is renowned for its rich cultural heritage, vibrant history, and impressive economic growth. With Hyderabad as its capital, the state has emerged as a major hub for information technology, biotechnology and pharmaceuticals, while continuing to uphold its strong agricultural foundation. Agriculture and allied sectors remain a top priority in Telangana, supported by progressive policies on irrigation, crop diversification and sustainable rural development. The state is also known for its historical monuments, flourishing handloom and handicraft traditions and a forward-looking approach to environmental and economic sustainability. Telangana represents a unique blend of tradition and modernity, with its rich heritage and progressive outlook making it a vibrant and dynamic state.

Programme Venue and Accommodation

Sri Konda Laxman Telangana Horticultural University, Mulugu, offers a well-equipped auditorium, along with smart classrooms and seminar halls ideal for interactive sessions. Participants can expect moderately pleasant weather in September, making for a comfortable conference experience. Accommodation will be arranged for early registrants at the University Guest House, based on standard tariffs. Additionally, arrangements have been made at nearby guest houses and resorts, available on a Personal payment basis. Participants are encouraged to indicate their accommodation preferences in the registration form to help facilitate suitable arrangements. Participants are requested to register and submit their abstracts/posters within the specified deadlines to the email id: conferences.skltgghu@gmail.com

Important Dates

Registration opens	5 th August 2025
Abstract submission last date	20 th August 2025
Acceptance Notification	25 th August 2025
Registration Closes	31 st August 2025

Registration Fee

Students/Research Scholars	Rs. 1000/-
Faculty/Scientists	Rs. 5000/-

Bank Details

Name of Account	Seminars and Conferences, SKLTGHU
Account No.	788401010000124
IFSC Code	UBIN0578843
MICR Code	502026049
Bank Name	Union Bank of India
Branch	SKTS Mulugu

Link for online registration: <https://forms.gle/kVsULJMCAWx9n1KWA>

Help Desk

Dr. N. Seenivasan	+91 9652456779
Dr. P. Prashanth	+91 9666303757
Dr. P. Saidhaiah	+91 7780509322



For More Information, please visit website: www.skltgghu.ac.in



Patrons

Dr. D. Raji Reddy

Vice Chancellor, SKLTGHU, Mulugu

Dr. M. Ravichandran

Secretary, Ministry of Earth Sciences,
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APC and Secretary to Govt.
(Agriculture Cooperation Dept.) Govt. of Telangana

Smt. Yasmeen Basha

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Dept. of Horticulture, Govt. of Telangana

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