

## National Symposium

on

Next Generation Agriculture, Horticulture and Livestock Farming:  
An Integration for Sustainable Development Goals  
(NGA 2025)

(16<sup>th</sup> -17<sup>th</sup> April, 2025)

Venue

Sardar Vallabhbhai Patel University of Agriculture & Technology  
Modipuram, Meerut, Uttar Pradesh, India

Jointly Organized by



Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut  
Society for Integrated Development of Agriculture, Veterinary and  
Ecological Sciences, Jammu, India

In Collaboration with

ICAR- Indian Institute of Farming Systems Research, Meerut-250110

ICAR- Central Potato Research Institute Regional Station, Meerut 250110

ICAR- Central Institute for Research on Cattle, Meerut-250110



## INVITATION

Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut and Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences (SIDAVES), Jammu are organizing a National Symposium on “*Next Generation Agriculture, Horticulture and Livestock Farming: An Integration for Sustainable Development Goals (NGA-25)*” during 16<sup>th</sup>-17<sup>th</sup> April, 2025 in collaboration with IIFSR, CPRI (RS) & CIRC, Meerut, U.P. On behalf of the organizing committee, I request your gracious presence in the National Symposium.

## ABOUT THE NATIONAL SYMPOSIUM

The National Symposium on “**Next Generation Agriculture, Horticulture and Livestock Farming: An Integration for Sustainable Development Goals (NGA-25)**” will provide a platform for exchange of knowledge on next generation technological advances made in the various fields of agriculture and allied sciences to achieve the set sustainable Development Goals (SDGs) for the millennium. It is an opportunity for the scientists, innovators, teachers, policy makers and scholars to show their technologies and research achievements before the diverse stakeholders right from agro-entrepreneurs to industry. Such an integrated initiative is the utmost need of the hour when not only production, product development and exchequer is the concern but also technological relevance to climate change, global warming and natural resources degradation. In the competitive world, we have to be innovative both in terms of development and application of next generation technological advances made in agriculture, horticulture, biotechnology, information technology, fisheries, poultry, dairy technology and livestock farming. Above all, integration of advances made in diverse areas of sciences will prove revolutionary, innovative, resource efficient, with diversification in products and production systems.

This event brings together a diverse group of fraternity, including academician’s researchers, policymakers, industry leaders and farmers to explore innovative strategies and share best practices for implementation. The symposium will highlight the importance of next generation technologies for future agriculture in context of crop & animal health, improved water use efficiency, enhanced climate resilience and more return per unit area.

Discussions will be focused on global SDGs, particularly those related to zero hunger, climate resilience and biodiversity conservation. Besides that, through thematic sessions, panel discussions and policy dialogue of the symposium will crystallize actionable recommendations, facilitate institutional support and encourage innovative technological adoption among stakeholders as a central pillar of sustainable agricultural production. Ultimately, the national symposium will empower the scientists, innovators, teachers and scholars with new areas of R&D and agro-entrepreneurs with next generation technologies leading to secured future with diverse areas of agriculture. This will improve

food and nutritional security of farming community along with more trade opportunity in national and international markets.

### ABOUT THE UNIVERSITY

Sardar Vallabhbhai Patel University of Agriculture and Technology established as a full-fledged University has unique honor of being called “First Agriculture University of the 21st century”. It is committed with unique mandate of integrating education, research and extension so as to serve the rural people. The University was established on 2nd October 2000 under Uttar Pradesh Agriculture University Act (revised) 1958 gazette and notified vide 3204A/X12-8-2000. It is recognized and funded by U.P. Govt. & Indian council of Agriculture (ICAR), Govt. of India. It is included in the list of recognized Universities maintained by the University Grants Commission (UGC), Govt. of India. The U.P. Government has given the responsibility of all round development of the agriculture and rural community in its four divisions *i.e.*, Saharanpur, Meerut, Moradabad and Bareilly which consists of 20 districts *i.e.*, Saharanpur, Muzaffar Nagar, Meerut, Gautam Buddha Nagar, Ghaziabad, Bulandshahr, Baghpat, Bijnor, Jyotiba Phule Nagar, Moradabad I & II, Rampur, Sambhal, Amroha, Badaun I & II, Pilibhit, Shahjahanpur, Shamli & Sambhal. The state of U.P has 09 agro-climatic zones and 03 falls under the jurisdiction area of the University.

### ABOUT SIDAVES

SIDAVES (Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences) is registered professional society located at Jammu, J&K, India. It is a non-profit social and scientific organization encompassing diverse areas of socio-economic growth of human society through excellence in science, academics and ecology development with its core contention of *Vasudhaiva Kutumbakam Parma Sukham* (whole world is one family and SIDAVES strives for its sustainable development). It thus, strongly believes in prosperous social and eco-environment growth of human commune on the planet mother earth. Sparring through the international issue of ecological crisis because of climate change and global warming, SIDAVES with its technocrats and applied knowledge bank is highly competitive body to address the arising problems of food security, hunger, mal-nutrition, unemployment, gender inequality and social unjust across regions of the world. Hence anybody who believes in wholesome development of human society can become the member of the society. Presently, SIDAVES family is a commune of more than 400 members hailing from the fields of agriculture, horticulture, veterinary and biological sciences.

## HOW TO REACH UNIVERSITY

Meerut is well connected by road and railway to all the major cities of India and Air link is available from New Delhi Airport which is about 100 KM from the campus of SVPUAT, Meerut. The University is 12 km away from Meerut City, Railway Station and 5 km away from Meerut Cantt. Taxi/Auto service is available from the Railway station as well as from bus stand.

## THEMES

- Theme 1: Climate Smart Agriculture: Initiatives and Innovations**
- Theme 2: Emerging trends in Export Oriented Agriculture**
- Theme 3: Next Generation Fertilizers: Emerging Trends**
- Theme 4: Farming System Approaches for Sustainable Agriculture**
- Theme 5: Organic Horticulture: Environmental and Entrepreneurial Perspective**
- Theme 6: Next Generation Advances in Livestock, Fish and Poultry Farming**
- Theme 7: Innovations in Value Addition and Processing Technologies**
- Theme 8: Agro-technologies for Climate Change Management**
- Theme 9: Next Generation Advances in Beneficial Microbes Deployment, Integrated Pest Management, Integrated Nutrient management, Artificial Intelligence, Agri.-Eco-Tourism, Information Technology and allied fields.**
- Theme 10: Agro-ecology and Soil Health**
- Theme 11: Food Security through Diversified Cropping Systems.**
- Theme 12: Research Gaps and Opportunities for Innovations.**
- Theme 13: Role of Govt. Subsidies & Incentives in Promoting Crop Diversification**
- Theme 14: Policy and Institutional Support for Agro-innovations**
- Theme 15: Innovations in Farm Mechanization, Rooftop Gardening, Vertical Farming**

## SOUVENIR CUM ABSTRACT

A Souvenir cum abstract of the symposium will be brought out soft or hard form and distributed among all the delegates participating in the National Symposium.

## GUIDELINES

Abstract for Oral/Poster presentation should be maximum of 300 words, including the title, name of authors and address. The abstract should be prepared in MS word, Times New Roman, 12 font size and single space leaving one inch margin on the left and right sides of the page. The technical session to which the abstract belongs should be clearly indicated at the top of the page and also in the registration form. Email-ID of the corresponding author should

be clearly mentioned in the abstract. For each oral presentation, the maximum time allotted will be 5 minutes followed by 3 minutes for discussion.

### **SUBMISSION OF ABSTRACTS, LEAD OR INVITED PAPER**

Abstracts prepared should be submitted either through via email along with the registration form to [nssvpuat2025@gmail.com](mailto:nssvpuat2025@gmail.com) or [jpsdr2015@gmail.com](mailto:jpsdr2015@gmail.com) on or before 15<sup>th</sup> March, 2025.

### **BEST ORAL & POSTER PRESENTATION AWARDS**

Selected abstracts will be invited for oral presentations. Abstracts accepted for poster presentation will be on display in the respective session. Authors will need to present during their relevant poster viewing session of a specified theme. The date and time of poster viewing sessions will be confirmed in the first week of April, 2025.

### **SPECIAL SESSION FOR PG STUDENTS**

There will be a special session for PG students wherein selected students shall make oral and poster presentation under respective themes of the symposium. Post graduate students are invited to submit abstracts which would be peer reviewed and presented as oral /poster papers.

### **ABOUT THE PARTICIPANTS**

Scientists, researchers, teachers and research scholars of the Universities / colleges & research institutes working in Agricultural/Veterinary/ Horticulture/biological/Social Sciences are eligible. Progressive entrepreneurs and other stakeholders are also welcome.

### **REGISTRATION FEE**

Registration fee in the form of **DEMAND DRAFT** in favor of Comptroller, SVPUAT, Meerut, payable at Meerut or online transfer to Comptroller S.V. Patel University Agri. & Tech. A/C No.10172902452 IFSC: SBIN0010653 or by UPI.

<b>Particulars</b>	<b>Fee Amount (Rs.)</b>
<b>Students &amp; research scholars</b>	1500.00
<b>Academicians &amp; scientists</b>	3000.00
<b>Stakeholders &amp; others</b>	10000.00

## ACCOMMODATION

Accommodation in Guest Houses will be made available on request and on payment basis. Accommodation shall be reserved on first come first served basis after prior request. The tariff of guest houses in Meerut ranges from Rs. 900 to Rs. 1200. Private lodges, hotels with reasonable rates and star category hotels are also available in Meerut. Please confirm your participation and itinerary by sending E-mail to [nssvpuat2025@gmail.com](mailto:nssvpuat2025@gmail.com)

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**CHIEF PATRON****Prof. K. K. Singh****Hon'ble Vice-Chancellor, SVPUAT, Meerut-250110****PATRONS**

1.	Prof. K. K. Singh	Dean, College of Veterinary & Animal Science
2.	Dr. Ramji Singh	Registrar, SVPUAT, Meerut
3.	Dr. Anil Kumar	Registrar and Dean Agriculture, SKUAST Jammu
4.	Shri. P. K. Chaturvedi	Comptroller, SVPUA&T, Meerut
5.	Dr. Sunil Kumar	Director, ICAR-IIFSR, Meerut
6.	Dr. Brijesh Singh	Director, ICAR-CPRI, Meerut
7.	Dr. A. K. Mohanty	Director, ICAR-CIRC, Meerut
8.	Dr. B. P. Dhyani	Dean, PGS
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10.	Dr. Kamal Khilari	Director Experiment Station
11.	Dr. Vivek	Dean, College of Agriculture
12.	Dr. B.R. Singh	Dean, College of Technology
13.	Dr. R. Kumar	Dean, College of Biotechnology
14.	Dr. R.S. Sengar	Director Training & Placement
15.	Dr. Manish Kumar Shukla	Director Administration & Monitoring
16.	Dr. Pankaj Kumar	OSD, College of Sugarcane Technology
17.	Dr. Archana Arya	Dean, COPHT

**CONVENERS**

1.	Dr. Jag Paul Sharma	President, SIDAVES, Jammu
2.	Dr. Raghvendra Singh	Principal Scientist & HOD, CSRM, IIFSR
3.	Dr. R. P. Mishra	Principal Scientist & HOD, ICAR-IIFSR
4.	Dr. Ashish Prusty	Principal Scientist, ICAR-IIFSR
5.	Dr. V. K. Chaudhary	Scientist Computer Application, ICAR
6.	Dr. Anuj Bhatnagar	Principal Scientist, ICAR-CPRI, Meerut
7.	Dr. S. K. Chaturvedi	Principal Scientist, ICAR-CIRC, Meerut
8.	Dr. Gaje Singh	Professor & HOD, Entomology
9.	Dr. Mukesh Kumar	Professor & HOD, Agronomy
10.	Dr. Mukesh Kumar	Professor & HOD, Floriculture

11.	Dr. Gopal Singh	Joint Director Research, SVPUAT
12.	Dr. Rashmi	Professor, Basic Science
13.	Dr. Arvind Rana	Professor, Horticulture
14.	Dr. Pushpendra	Principal Scientist IIFSR, Meerut
15.	Dr. Ravindra Kumar	Principal Scientist ICAR-CIRC, Meerut

### ORGANIZING SECRETARIES

1.	Dr. D.V. Singh	Professor, Entomology, College of Agriculture
2.	Dr. A. P. Singh	HOD Agronomy, FOA, SKUAST, Jammu
3.	Dr. H.L. Singh	Professor, College of Agriculture
4.	Dr. Neelash Kumar	HoD Medicine, FVSc, SKUAST Jammu
5.	Dr. Desh Deepak	Assistant, Professor, Veterinary
6.	Dr. Shailja Katoch	Assistant, Professor, Veterinary Microbiology
7.	Dr. Neelesh Kapoor	Assistant, Professor, College of Biotechnology
8.	Dr. Sandeep Kumar Verma	Guest Faculty, Agronomy
9.	Dr. Himanshu Tiwari	Guest Faculty, Agronomy
10.	Mr. Tarun Tomar	Research Scholar, Agronomy
11.	Mr. Abhishek Kumar Singh	Research Scholar, Agronomy
12.	Ms. Aparna Verma	Research Scholar, Agronomy
13.	Ms. Archana Verma	Research Scholar, Agronomy
14.	Mr. Umesh Kumar	Research Scholar, Soil Science

### CO-ORGANIZING SECRETARIES

1.	Dr. Neelesh Chauhan	Professor, College of PHT & Food Processing
2.	Dr. Jaiveer Singh	Professor, IDE, COT
3.	Dr. Vaishali	Professor, Agriculture Biotechnology
4.	Dr. Deepak Sisodia	Professor & OIC, IT, Cell
5.	Dr. Poonam Prusty	Principal Scientist, Horticulture, IIFSR
6.	Dr. Archana Malik	Professor, College of Basic Science
7.	Dr. Narinder Panotra	Professor, Agronomy, SKUAST Jammu
8.	Dr. Pushpendra Kumar	Associate Professor, SWCE, COT
9.	Dr. Vineet Kumar Sharma	Associate Professor, FMPE, COT
10.	Dr. Kritika Singh Somvanshi	Assistant Professor, ME, COT



11.	Dr. Shriya Rawat	Assistant Professor, COV
12.	Dr. Khushboo Roy	Assistant Professor, COT
13.	Dr. Nishant Singh	Assistant Professor, ME, COT

#### TREASURER

1.	Dr. Vinita Verma	Professor, Basic Science
2.	Dr. Pushendra Kumar	Associate Professor, COT
3.	Dr. Khushboo Roy	Assistant Professor, COT
4.	Dr. Kritika Singh	Assistant Professor, ME, COT

#### NATIONAL ADVISORY COMMITTEE

1.	Dr. Himanshu Pathak	Secretary (DARE) & Director General ICAR, New Delhi
2.	Dr. Sanjay Singh	DG, UPCAR, Lucknow
3.	Dr. Panjab Singh	Ex- DG, ICAR, New Delhi
4.	Dr. R. B. Singh	Ex- DG, ICAR, New Delhi
5.	Dr. T. R. Sharma	DDG, Crop Science, ICAR, New Delhi
6.	Dr. S. K. Chaudhary	DDG, NRM
7.	Dr. R.C. Agrawal	DDG, Education, ICAR, New Delhi
8.	Dr. J.K. Jena	DDG, Fisheries, ICAR, New Delhi
9.	Dr. B. N. Tripathi	V.C., SKUAST, Jammu
10.	Dr. Nazir Ganaie	V.C. SKUAST Kashmir
11.	Dr. Anil Kumar	ADG, Coordination
12.	Dr. Anand Kumar Singh	V.C., CSAUA&T, Kanpur
13.	Dr. Mukesh Pandey	V.C., BUA&T, Banda
14.	Dr. Bijendra Singh	V.C., NDU&T, Ayodhya
15.	Dr. Poonam Tandon	V.C., DDU, Gorakhpur
16.	Dr. Arun Kumar	V.C., S.K. R.A.U, Bikaner
17.	Dr. Ajit Kumar Karnatak	V.C., MPUAT, Udaipur
18.	Dr. A. K. Singh	V.C., RLBCAU, Jhansi
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22.	Dr. V. K. Singh	Director, ICAR-CRIDA, Hyderabad
23.	Dr. S. K. Dubey	Director, ATARI, Zone III, Kanpur
24.	Dr. S. S. Singh	Ex-Director Extension Education, RLBCAU, Jhansi
25.	Dr. Brijesh Singh	Professor, GBPUA&T, Pantnagar
26.	Dr. D.K. Srivastava	Joint Director, CST, U.P.
27.	Dr. R. K. Singh	Head, CPRI, Meerut

<b>CORE ORGANIZING COMMITTEE</b>		
1.	Chairman	Dr. K. K. Singh Hon'ble Vice-Chancellor, SVPUAT, Meerut
2.	Co-chairman	Dr. P. K. Singh, Director Extension SVPUAT, Meerut
3.	Convenor	Dr. Jag Paul Sharma, President, SIDAVES, Jammu
4.	Co-convenor	Dr. Ritesh Sharma, Station In-charge & Principal Scientist, BEDF, APEDA
5.	Organizing Secretary	Dr. D. V. Singh, Professor, Entomology, College of Agriculture, SVPUAT, Meerut
6.	Joint Organizing Secretary	Dr. Vikas Sharma, HOD Soil Science, SKUAST Jammu

### ADDRESS FOR CORRESPONDENCE

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4. Dr. Kritika Singh Somvanshi, Assistant Professor  
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**Registration form**  
**National Symposium**  
**on**

**“Next Generation Agriculture, Horticulture and Livestock Farming:**  
**An Integration for Sustainable Development Goals**

**(NGA-25)**

**16 -17 APRIL, 2025**

**Name: Prof./Dr./Mr./Mrs./Ms.....**

**Designation:.....**

**Organization/Affiliation:.....**

**Email: .....Phone Number .....**

<b>Office Address</b>	
<b>Residential Address</b>	

**Interested in: (Please tick on the specific one)**

Oral

Presentation

Poster

Presentation

Kisan Goshti / exhibition

Title of Paper / Abstract: .....

.....

I/We wish to Exhibit the Product: Yes/No

Accommodation Requirement (subject to availability): Yes /No

Date:

Signature

## *PLACE TO VISIT*



**Meerut** is a historical city in the Northern part of India. The city, situated in Western Uttar Pradesh has got a long history behind it. The city was the part of Hastinapur Empire of Kaurvas that ruled the Vedic India and was the protagonists of Hindu Epic of Mahabharata. Meerut offers many places to visit, including religious sites, wildlife sanctuaries and amusement parks.



**Hastinapur Wildlife Sanctuary** is a nature and wildlife area to visit. The Hastinapur Wild Life Sanctuary, lies alongside the Northern tip of the River Ganga, flowing thru the districts of Muzaffarnagar and Bijnor. The sanctuary extends all the way to the districts of Hapur and Amroha. The regions of Khaadar, Khola and Bangar are also assimilated in the total spread of the sanctuary.



Kali Paltan Mandir is the commonly used name of the Shiva temple **Augarhnath Mandir**, close to the army barracks in the Indian city of Meerut, Uttar Pradesh. It was founded following the discovery of a Shivalinga under the ground in 1844. The foundation stone for the modern larger temple complex was laid in 1968.