



# AGRICON 2019

23<sup>rd</sup> NOV.  
2019

VENUE:  
Lovely Professional  
University, Punjab

### Organizers



LOVELY  
PROFESSIONAL  
UNIVERSITY

Transforming Education Transforming India



PEOPLES' FOUNDATION

Supported by



Ministry of Agriculture,  
Government of India

# National Symposium on Smart & Sustainable Agriculture



### Proposed Speakers



**ASHWANI KUMAR**  
Joint Secretary, Ministry of Agriculture  
& Farmers Welfare



**Prof. ASHOK KUMAR SARIAL**  
Vice-Chancellor  
CSKHPAU, Patancheru



**Dr. A K SINGH**  
DDG, ICAR



**Dr. R.K. SINGH**  
Director  
ICAR-CIPHET, Ludhiana



**Dr. JITENDRA KUMAR**  
Director  
IPFT, Gurugram



**Dr. GURBACHAN SINGH**  
Former Chairman  
ASRB, New Delhi



**Dr. J.P. SHARMA**  
Joint Director  
WII



**Dr. ARUN CHANDAN**  
Director  
SNPB



**Dr. PRABHAT KUMAR**  
National Coordinator  
National Agricultural Higher  
Education Project (NAHEP)

#### For Delegate Registration contact

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register online on [www.theagricon.com](http://www.theagricon.com)

Paper Presentation,  
Poster Presentation &  
Panel Discussion

नरेन्द्र सिंह तोमर  
NARENDRA SINGH TOMAR



सत्यमेव जयते

कृषि एवं किसान कल्याण,  
ग्रामीण विकास तथा पंचायती राज मंत्री  
भारत सरकार  
कृषि भवन, नई दिल्ली  
MINISTER OF AGRICULTURE & FARMERS' WELFARE,  
RURAL DEVELOPMENT AND PANCHAYATI RAJ  
GOVERNMENT OF INDIA  
KRISHI BHAWAN, NEW DELHI



संदेश

मुझे यह जानकर हर्ष है कि पीपुल्स फाउंडेशन, नई दिल्ली और लवली प्रोफेशनल यूनिवर्सिटी, पंजाब संयुक्त रूप से दिनांक 23 नवंबर, 2019 को विश्वविद्यालय परिसर में एग्रीकॉन-2019 के अंतर्गत स्मार्ट और सतत कृषि पर अंतर्राष्ट्रीय संगोष्ठी का आयोजन करने जा रहे हैं।

भारत कृषि प्रधान देश है और इसकी 60 प्रतिशत से अधिक जनसंख्या अपनी आजीविका के लिए कृषि या संबद्ध क्षेत्रों पर ही निर्भर है। देश के सकल घरेलू उत्पाद (जीडीपी) में भी कृषि का महत्वपूर्ण योगदान है। भारत में कृषि शुरू से ही अर्थव्यवस्था की रीढ़ मानी जाती रही है। इसे दृष्टि में रखते हुए माननीय प्रधानमंत्री श्री नरेन्द्र मोदी जी के नेतृत्व में वर्तमान राष्ट्रीय जनतांत्रिक गठबंधन सरकार किसानों को उपज का बेहतर मूल्य दिलाने और वर्ष 2022 तक उनकी आमदनी दोगुनी करने के संकल्प को साकार करने के लिए विभिन्न योजनाओं और किसान कल्याण कार्यक्रमों के माध्यम से हर संभव प्रयास कर रही है। खेती लाभकारी व्यवसाय बने, इसके लिए रासायनिक उर्वरकों का सहारा छोड़कर जैविक कृषि को बढ़ावा देने पर ध्यान केंद्रित किया जा रहा है।

यह सच है कि भारत को 5 ट्रिलियन डॉलर की अर्थव्यवस्था वाला देश बनाने के लिए स्मार्ट खेत बनाने के साथ स्मार्ट खेती अपनानी होगी। हमें किसानों के सामने खेती के नए अवसर, नए विकल्प प्रस्तुत करने होंगे। हमारे वैज्ञानिक नित नया अनुसंधान करें, किसान अभिनव प्रयोग करें और सरकार उनकी जरूरत के अनुसार सुविधाएं प्रदान करती रहे, तो कृषि क्षेत्र में क्रांति सुनिश्चित है। वर्तमान सरकार इस दिशा में अनेक प्रयत्न कर रही है और कृषि के ढांचागत विकास पर 25 हजार करोड़ रु. के निवेश का निर्णय इस दिशा में एक महत्वपूर्ण कदम है।

मुझे पूर्ण विश्वास है कि इस संगोष्ठी से महत्वपूर्ण और उपयोगी ज्ञान एवं तकनीकों के साथ कई सार्थक सुझाव सामने आएंगे, जिन्हें गांवों तक पहुंचाकर किसानों को लाभान्वित किया जा सकेगा। मेरा मानना है कि कृषि विषय में उच्च शिक्षा प्राप्त कर रहे युवाओं को अपनी आजीविका एवं व्यवसाय के तौर पर कृषि से सीधे जुड़कर अपने ज्ञान और कौशल का सदुपयोग करना चाहिए। इससे कृषि को उद्योग का दर्जा मिलने में आसानी होगी और यह क्षेत्र अधिक गरिमापूर्ण एवं समृद्ध बन सकेगा।

मैं एग्रीकॉन-2019 की एक-दिवसीय अंतर्राष्ट्रीय स्मार्ट सतत कृषि संगोष्ठी के आयोजकों को बधाई देते हुए इसकी उत्कृष्ट सफलता की कामना करता हूं।

(नरेन्द्र सिंह तोमर)

Taking its mission, vision and core goals a step forward, Peoples' Foundation, on 23 November 2019, in joint collaboration with prestigious Lovely Professional University successfully organised **AGRICON - 2019, a national conclave on smart and sustainable agriculture**. The conclave was organised with the motto of **"Farmers First"** with bottom up approach to disseminate good agricultural practices to grassroots roping in **youth and women as rural and entrepreneurship and technology providers**.



The event witnessed massive participation by students and faculty as delegates, scientists, policymakers and others experts from **Indian council of agriculture research (ICAR) Ministry of Agriculture, Medicinal plant board, heads of the ministries, industry representatives and some farmers organizations**. The day long conclave also included a competitive paper and poster presentation by students. The focus of deliberations remained on **smart field, smart farming and smart farmers** in agriculture and allied activities of horticulture, aquaculture, animal husbandry, etc.

Recognising the fact that while agriculture science is at the cusp of technology led disruption from use of biotech to data science, Indian agriculture and allied activities, home to 70% of India's billion plus population and contributing 17% of India's GDP, it was suffering from serious anomalies ranging from structure, financial, infrastructural to poor market linkages and climate change. The consequences are rising cost and diminishing return resulting in severe rural distress. It was to unravel the mystery and brainstorm the contours of this malaise in the primary sector that the conclave was organised.

#### Inaugural ceremony:

The conclave supported by the **Ministry of Agriculture and ICAR** was inaugurated by Sh. Ashok Mittal chancellor, LPU in the August presence of top agriculture scientists, domain experts and administrators from the ministry, universities and different labs of ICAR. Prominent among them were –

- Professor Ashok Kumar Sarial, Vice Chancellor, CSKHPAU, Palanpur,

- Professor Gurbachan Singh Former Chairman, Agriculture Scientists Recruitment Board,
- Dr. J. P. Sharma, Jt. director IARI,
- Dr. Jitendra Kumar, Director, IPF, Gurgaon
- Dr. Arun Chandan, Regional Director, State Medicinal Plant Board
- Dr. Prabhat Kumar , National Coordinator(NAHEP), ICAR and
- Dr. Ramesh Kumar Sadavarti, Dean, School of Agriculture, LPU.



Addressing a gathering of **more than 700 delegates** comprising students and faculty and lighting the lamp, **Shree Ashok Mittal, the chancellor, LPU** said that smart agriculture was the need of the hour for this gigantic country and we have to strive for bringing innovative young minds as farmers and knowledge providers. Welcoming the dignitaries and delegates he said that the massive school of agriculture with its world class facilities was the appropriate and suitable place for India's youth to pursue knowledge of agriculture. He also thanked the pioneers of agriculture science present there for sharing their views with the students and faculty members.



The chancellor along with the dignitaries on the dais also released an **Abstract Book** on Agricon 2019 containing 196 pages with a foreword and message from the Vice Chancellor and the Executive Dean.



### Thrust areas and deliberations:

Keeping in line with our **Prime Minister Narendra Modi's** emphasis on transforming India through doubling farmers income and mitigate the distress in the farming sector, the symposium deliberated with all the Stakeholders, Policy Makers, Scientists, Academicians, Students, Agritech and input provider companies on a variety of knowledge, research and technological advancements, processing, storage, protection, marketing and credit activities in the vast field of Indian agriculture.

Accordingly, the thrust areas which were deliberated at symposium included:

- 50 years of green revolution & challenges of sustainable agriculture
- Dissemination of knowledge, new technology & best practices in agriculture to the grass root level
- Policy perspective on seeds & agriculture mechanization
- Sustainable agriculture, natural disaster & climate change
- Infrastructure & capacity building: agro processing, value chains,
- Seeds & storage capacity
- Youth innovation & entrepreneurship in Indian agriculture
- Raising the farmers income through allied cultivations like medicinal plant,

- Aromatic plants, organic farming, etc.
- Upgrading the support structure: inputs, credits & market for agriculture
- Harnessing & optimum use of natural resources in agriculture: soil & water
- Changing face of farming through animal based agriculture, fisheries, dairy, etc.

Delivering the keynote address on **50 years of green revolution and challenges of sustainable agriculture**, Professor Ashok Kumar Sarial , Vice Chancellor, CSKHPAU, impressed upon the students and other participants about the urgent need for sustainability in agriculture at the national level. He also stressed upon the need for adoption of modern and sustainable agricultural practices.

Professor Gurbachan Singh, former chairman, ASRB, New Delhi emphasised on adoption of technology particularly by small and marginal farmers and also practice sustainability and conservation at local level.

Dr. JP Sharma, Jt. Director, IARI speaking on “raising the farmers income through allied cultivations” stressed on the need of changing the mindset of farmers skilling them in modern practices and making available the marketing and farm linkages at all levels.

Dr. Arun Chandan, Regional Director, National Medicinal Plant Board made a lucid and informative presentation on the opportunities and prospects in the field of cultivation of medicinal plants and augmenting the farmer's income.



## Organising Committees & Co-ordinators

An organising committee of faculty members and staff along with coordinators of various committees ranging from registration, stage and culture hospitality, transport, oral presentation were formed under the chairmanship of professor Lovi Raj Gupta as chairman, Dr.Ramesh Kumar Sadavarti, Professor and Dean at school of agriculture as Organising Secretary and Dr. Shailesh Kumar Singh, Assistant Professor, school of agriculture as joint organising secretary.



## Paper & Poster Presentation Competition

The symposium called for presentation of new advances and research results in the fields of theoretical experimental and applied agricultural Sciences to be published in the **abstract book**. These papers were related to the following topics:

1. Crop production, climate change and adoption
2. Crop protection, management of biotic and abiotic stress.
3. Horticulture, crop improvement and hi technology
4. Post-harvest technologies and values addition

12 students, 3 in each above category were selected and judged to be the winners for their papers and posters.

## Media and publicity

The national conclave on 'smart and sustainable agriculture' found the visibility, support and coverage in the regional and national media from the very beginning. It was widely covered by print media during

the pre-launch activities as well as launch ceremony and deliberations. The DD news (Punjabi) did an exclusive coverage of the conclave and aired it several times.

### Closing ceremony and vote of thanks

Students of this largest single-campus, sprawling and picturesque university in India, presented a colourful, thematic Bharatnatyam and Kathak performance during the closing ceremony. Some other students displayed their rich talents related to music and comedy.

A vote of thanks was proposed by professor and Dean, school of agriculture, Dr.Ramesh Kumar Sadavarti and Dr.Shailesh Kumar Singh, associate professor and Co-ordinator LPU.

They thanked the members of organising committees, dignitaries and delegates and also the joint organiser Peoples'Foundation for their valuable support and successful organization of the conclave.



Thank you



# Glimpses

