



## First Circular



# Sixth International Agronomy Congress

On

*“Re-envisioning Agronomy for Smart Agri-food  
Systems and Environmental Stewardship”*

November 24–26, 2025

New Delhi, India

at

National Agricultural Science Complex (NASC)

New Delhi, India



**Organized by**

The Indian Society of Agronomy, New Delhi

**in collaboration with**

Indian Council of Agricultural Research (ICAR), New Delhi

ICAR-Indian Agricultural Research Institute (ICAR-IARI), New Delhi

National Academy of Agricultural Sciences (NAAS), New Delhi

*Collaborators*



ICAR-Indian Agricultural Research Institute  
New Delhi



National Academy of Agricultural Sciences  
New Delhi

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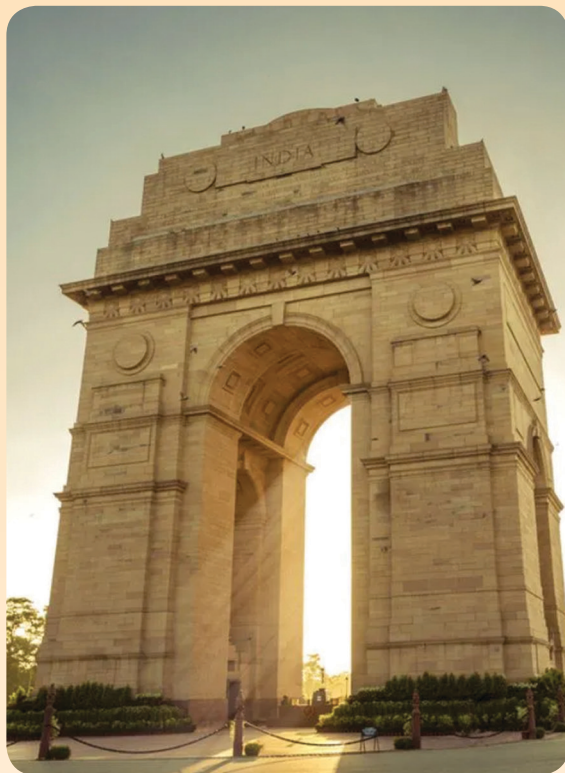
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# Sixth International Agronomy Congress

on

*“Re-envisioning Agronomy for Smart Agri-food Systems and Environmental Stewardship”*

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National Agricultural Science Complex (NASC)

New Delhi, India

During the Fifth International Agronomy Congress at PJTSAU, Hyderabad, Telangana, India in 2021, it was resolved to host the Sixth International Agronomy Congress, dedicated to reviewing agri-innovations and crafting strategies to tackle food and nutrition challenges through cutting-edge agronomic research. Embracing this vision, The Indian Society of Agronomy has initiated the organization of the Sixth Congress at New Delhi, India. This prestigious event will maintain continuity and provide a global platform for agronomists and others working in the area of natural resource management to discuss emerging issues, fostering international collaboration and innovation in agriculture field. The 20<sup>th</sup> Century has witnessed an outstanding and unprecedented scientific and technological development in all fields ranging from agriculture and allied sectors. This progress has virtually transformed human life in terms of prosperity and higher living standard. Yet, the paradox before us is the stark reality that large segment of humanity is still trapped in hunger and poverty. The conventional agriculture has encountered a host of problems such as degradation of natural resources, and decline in factor productivity, increasing incidences of pests and diseases and energy crises. To achieve the “Sustainable Development Goals” like alleviation of poverty, reduction of hunger, conservation of natural resources, mitigation of climate change and many more innovations in agriculture would play very important roles.

The Green Revolution based on improved varieties and agronomy of rice and wheat, saved hundreds of millions of people from starvation. In India, the food production was increased by 6.5 times with a meagre increased in land area. Green Revolution served its purpose of bringing about a rapid increase in global food production amidst few environmental consequences such as air pollution, water contamination/eutrophication, and degradation of soil. Furthermore, the benefits of the Green Revolution were not fully availed in some parts of the world like in sub-Saharan Africa. In present scenario of climate change and consequently increasing biotic and abiotic stresses in crop production/farming need *re-envisioning Agronomy for Smart Agri-food Systems and Environmental Stewardship*. In modern farming, increasing trend of energy usages and greenhouse gas (GHG) emissions are also increasing rapidly. The global energy consumption is projected to increase to 700 EJ by 2030 and 776 EJ by 2040. The cumulative carbon emission between 1750 and till now is estimated at ~600 Pg (billion metric tonnes) of which 410 Pg was from fossil fuel combustion and ~190 Pg from the land use change. While the agriculture of the future must be both food and nutrition-sensitive. Thus, future agro-ecosystems must be managed

by smart sustainable agronomic practices, which could restore soil health, recycle nutrients, conserve and purify water, strengthen biodiversity, and produce nutrient-rich food.

One-health target is the basis for sustainable life and smart agronomy is the key to achieve one health concept. There exists a direct link between soil health (soil quality and functionality) and nutritional status of the food (plants, animals) grown on it. However, effect of soil properties on human health can be both positive and negative. The widespread problem of soil degradation and desertification, which affects almost 23.5% of the Earth's land area, is widely considered to be an important cause of the problem of human malnutrition. Above all, a large proportion of the world population is also prone to hidden hunger, or more than one form of malnutrition. Human food produced through plants and animals grown on nutrient-poor soils is deficient in these essential nutrients and adversely affects human health and well-being. Therefore, bioavailability of these elements must be enhanced in soils of agro-ecosystems through judicious agronomic management. Eco-nutrition is another relevant strategy towards enhancing the nutritional value of food produced on soils. It is based on the concept that there exists a strong link between the health of soil and human in one hand and environmental health and economic development on the other. Therefore, improving soil health through restoration of soil organic matter content by integrated soil fertility management can also enhance micronutrient, vitamins, and protein contents through bio-fortification in the soil-plant-animal food systems.

Nature-based solutions are important areas of research, which needs to be strengthened towards improving the use efficiency of the available resources. The per capita water availability projected to come down further to 1400 m<sup>3</sup> in 2025. This calls for special attention of the agronomists to manage this precious resource by developing techniques for efficient use of each drop of water. The technologies developed so far need further refinement and up-gradation. Integrated farming system, with optimization for crops and other enterprises/management/socio-economic conditions has the potential to take care of livelihood, environment and energy security through multiple and efficient use of resources. Under the prevailing environmental and economic constraints, further increase in productivity and production can be possible only through increased resource-use efficiency and multiple use of limited resources. There is a need to develop integrated soil-crop-animal-environment management system, which will be capable of increasing crop yield as well as sustainable use of natural resources. Crop demand-driven site-specific nutrient prescription can add to farmers profit and reduce pollution.

Management of soil organic carbon for improving soil hydrological properties (water transmission and retention) can reduce the severity and duration of pedological/agronomic drought. The climate-resilient agriculture is key to achieving carbon and land degradation neutrality, supported by nature-based solutions for environmental stewardship.

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 5.0 and *Viksit Bharat* by 2047.

## THEME

The identified theme of the Sixth International Agronomy Congress is “*Re-envisioning Agronomy for Smart Agri-food systems and Environmental Stewardship*”. This theme will follow the sub-themes for the Congress. Each sub-theme will have a separate symposium.

- i. Climate resilient agriculture for carbon and land degradation neutrality
- ii. Nature-based solutions for environmental stewardship in food production systems
- iii. Efficient resource use and precision input management addressing soil-plant-animal-human dynamics for one health
- iv. Harnessing genetic potentials for food and nutritional security
- v. Energy-efficient mechanization, digital solutions and post-harvest supply chain food systems
- vi. Management of biotic and abiotic stresses for sustainable production
- vii. Technological dissemination and participatory approaches for gender empowerment and livelihood diversification for socio-economic resilience
- viii. Corporate, policy, civil societies, leveraging and research interface in food system
- ix. New Vistas in Agronomic Education: Policy framework towards Agronomic innovations for Agriculture 5.0 and *Viksit Bharat*

## Presentations

There will be four categories of presentations:

- Plenary
- Invited
- Rapid fire
- Poster

In addition, the Penal Discussion will deliberate on the topics of current specific interests in Agronomy.

## Plenary Lectures

Eminent Scientists/ Academician/Administrators in agriculture and allied sciences will be invited to deliver special lectures on the topics related to food production and policy, farming systems research, climate change, conservation agriculture, energy, environment, biotechnology, input use efficiency etc.

## Invited Papers

Nine Symposia have been planned on the sub-themes of the Congress as listed above. Selected speakers will be invited to make their presentations on the sub-themes of the Congress.

## Oral/Rapid Fire

The organizing committee will screen and decide the mode of presentation depending on the merits of paper based on originality/novelty of research work on the themes of Congress.

## Poster Presentations

There will be an organized Poster Session covering the themes identified in the Symposia to encourage wider interaction and information sharing. The papers contributed for Poster Session will be screened and each Poster Session will have a Convener and Co-convener. The Conveners/Co-conveners will prepare and present summary of the concerned Poster Session. This will permit discussion and help in formulation of meaningful recommendations.

## Exhibition and Advertisement

An exhibition will be organized at the Congress venue, the details of the space available and charges etc. will be made available in the second circular. Advertisement can be included in the Congress publications.

## Host Organizations

Following are the host organizations. For details refer to their website:

- The Indian Society of Agronomy : [www.isa-india.in](http://www.isa-india.in)
- Indian Council of Agricultural Research : [www.icar.org.in](http://www.icar.org.in)
- ICAR-Indian Agricultural Research Institute : [www.iari.res.in](http://www.iari.res.in)
- National Academy of Agricultural Sciences : [www.naasindia.org](http://www.naasindia.org)

## Sponsorship

Organizers need sponsorship from different organizations for achieving the objectives of the Congress in wider perspectives.

**Language:** English will be the official language of the Congress.

**Congress duration: 3 days:** November 24–26, 2025

## REGISTRATION FEE

### Foreign delegates:

Scientists	–	US \$ 700 (After due date US\$ 800)
Industry and private organizations	–	US \$ 800 (After due date US\$ 900)
Students/Research Scholars	–	US \$ 350 (After due date US\$ 400)
Accompanying member	–	US \$ 350

### Indian delegates:

Scientific participants		
ISA Member Scientists (In-service)	–	₹ 12,000 (After due date ₹ 14,000)
ISA Member Scientists (Retired)	–	₹ 10,000 (After due date ₹ 12,000)
Non-ISA Members	–	₹ 15,000 (After due date ₹ 18,000)
Industry and Private Organizations	–	₹ 25,000 (After due date ₹ 25,000)
Student/Research Scholar	–	₹ 8,000 (After due date ₹ 10,000)
Accompanying member	–	₹ 8,000



## Registration fee may be deposited to the following bank account:

### NEFT transactions detail:

Beneficiaries Name: **Indian Society of Agronomy**

Bank Account No. **91212010007024**

Bank & Branch Name: **CANARA BANK (NSC Branch)**

IFSC Code: **CNRB0019121**

MICR Code 110015429

Swift code CNRBINBBBFD

**Bank Address & Phone Number:** National Seeds

Corporation Beej Bhavan, Pusa Campus, New Delhi - 110 012

Ph. No. +91-11-25848197



## CURRENCY

Rupee (₹) is the national currency of India. All major international currencies can be exchanged at the International Airports, 5-star Hotels and Banks. Major currencies are accepted at the hotels and some major shopping centres. International credit cards are widely accepted.

## CONGRESS VENUE

The Congress is being organized at the National Agricultural Science Centre (NASC), Dev Prakash Shastri Marg, New Delhi 110 012, India. This complex spread over an area of 9.0 ha with multi-dimensional state of the art facilities like a National Agricultural Museum, Symposia Complex, underground parking. Various offices of the International and National Organizations of agricultural research, National Academy of agricultural Sciences (NAAS), Indian Agricultural Universities Association, etc. were located in the complex.



## ACCOMMODATION

The registration fee does not include accommodation charges. The Congress venue is located at the heart of the National Capital. A wide range of hotels are available within a short distance from the Congress venue. First-time visitors to India may find it more convenient to stay at the hotels which are within reasonable distance from the Congress venue. A wide range of accommodation varying from 5-Star hotels to guest houses is available. The likely tariffs are as follows:

<b>5-Star Hotels</b>	<b>US \$ 400-800 (₹26,000–52,000)</b> per day diem/night
<b>Medium range Hotels</b>	<b>US \$ 200-400 (₹13,000–26,000)</b> per day diem/night
<b>Local Hotels</b>	
Bharat	₹3000-3500
Radisson Hotel	₹6000-6500
Relax inn	₹5,000-6,000 ₹4,500-5,000

Guest houses	Per person per day AC room
NASC Guest House	₹1,500
ICAR-IARI Guest House	₹500-1,500

These tariffs are based on current rates per day. Upward revision of about 10 to 15% is expected by the time of the Congress. Limited accommodation may be available for the Indian delegates in the various guest houses.

## IMPORTANT DATES

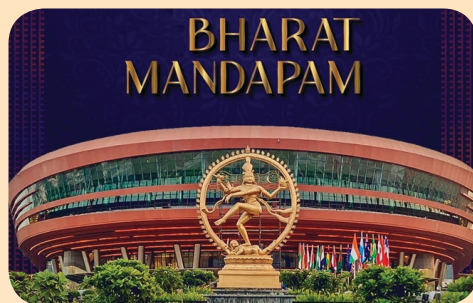
Notice of Intent (First Circular)	–	10 <sup>th</sup> September, 2024
Last date for Submission of Abstract	–	30 <sup>th</sup> April, 2025
Last date for Acceptance of paper/extended summary	–	10 <sup>th</sup> June, 2025
Registration fee (without late fee)	–	31 <sup>st</sup> July, 2025
Last date for Receipt of full length invited papers	–	31 <sup>st</sup> July, 2025

## Internet

The information contained in this circular and all updates are available on: [www.isa-india.in](http://www.isa-india.in)

## Tour

Pre-and post-conference tours to tourist spots will be organized for the registered delegates and accompanying persons in and around Delhi as well as other places of interest on payment basis.



## ABOUT THE CITY

New Delhi, being the capital of India, is a cosmopolitan city. Delhi abounds in relics and remains a glorious reminder of the past. Few cities in the world can claim the long continuity and status that Delhi has enjoyed. Its history goes a long way to the time of Mahabharata as Indraprastha, the capital of Pandavas. Among the dynasties (9 or 10 century) that laid claim to Delhi were the Tomar Rajputs (9 or 10 century) and the Chauhan Rajputs (12 century). With the defeat of Prithviraj, the Chauhan leader, in the hands of the Muslims towards the end of the 12th Century, Delhi became the capital of Pathan Sultans and eventually of the Mughals. During the British rule for 200 years, the country came under unified control; Calcutta became the capital but shifted back to Delhi in 1911. Since then, Delhi retained its position as the seat of governance. Delhi is India's melting pot, dream and has absorbed, over the centuries settlers and visitors from across the globe. Exploring the city can be a fascinating and rewarding experience.

Major tourist attractions of Delhi are Red Fort, India Gate, Rashtrapati Bhawan, Parliament House, Jantar Mantar, Jama Masjid, Raj Ghat, Lakshmi Narayan Temple, Humayun's Tomb, Lotus Temple, Qutub Minar, Chandni Chowk, Connaught Place, Lodi Gardens, Akshardham Temple and Chattarpur Temple. Participants can also visit International Trade Fair, which will be organised during 2<sup>nd</sup> fortnight of November 2025.



At a short distance from Delhi, 200 km southeast, is the famous city of Agra, where Taj Mahal, one of the seven wonders of the modern world, is located. About 260 km southwest of Delhi is located the city of Jaipur. The glory of the various kings is beautifully reflected in the magnificence of its palaces. The famous Tiger Reserve “The Corbett National Park” is about 6 hours drive from Delhi. The park is located in the midst of the hills of Kumaon and provides a unique experience of Elephant Safari. For bird watchers, the Keola Deo Ghana Bird Sanctuary at Bharatpur is about 180 km from Delhi. The Sanctuary harbours the most exquisite birds from all over the globe.

There are many other places of tourist interest, which might fascinate you. Trips will be arranged on payment basis. Our travel counter will be pleased to help you in organization of your desired tour.

## WEATHER

End of November is cool and pleasant. Light winter clothings are required. The day temperature ranges from 25-30°C and night temperature from 10-20°C.

## CONTACT

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**PARTICIPATION FORM**  
**Sixth International Agronomy Congress**  
**On**  
***“Re-envisioning Agronomy for Smart Agri-food Systems and  
Environmental Stewardship”***

November 24–26, 2025, National Agricultural Science Complex (NASC)  
New Delhi 110 012, India

(Please mail this form so as to reach the Organizing Secretary latest by 30<sup>th</sup> October, 2024)

Name: Prof./Dr/Mr./Mrs./Ms. \_\_\_\_\_  
(Please underline your last name)

Country: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Tel. No. \_\_\_\_\_

Fax \_\_\_\_\_

Email: \_\_\_\_\_

Sub-theme of interest:

I am interested in:

- Attending the Congress
- Presenting a Invited paper on.....
- Presenting a rapid fire paper on.....
- Presenting a Poster on.....
- Post Congress Tour.....

**Signature**

**Mailing Address:**

**Dr. Sanjay Singh Rathore**

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