ISRICON 2027

International Conference on

Smart Innovations in Sugarcane and Sugar Industry: Enhancing Productivity, Bioenergy, and Environmental Sustainability

75th | *Celebrating 75 glorious years of ICAR-ISRI, Lucknow*

16–19 FEBRUARY 2027 | **LUCKNOW, UTTAR PRADESH, INDIA**



Organized by

ICAR–Indian Sugarcane Research Institute (ICAR–ISRI), Lucknow

in collaboration with

Association of Sugarcane Technologists of India (ASTI), Lucknow

and

Society for Sugar Research and Promotion (SSRP), New Delhi

Official Conference Website: **isricon2027.in**

About the Conference

Sugarcane is one of the world's most important commercial crops and supports a large agro-industrial sector, millions of farming families and significant rural employment. The sugarcane value chain extends far beyond sugar production and has emerged as a major contributor to bioethanol, renewable energy, bio-based products and the circular bioeconomy.

The sugarcane and sugar sector is undergoing rapid transformation in response to climate change, water scarcity, rising production costs, energy security concerns, environmental challenges and the growing need for sustainable and resource-efficient production and processing systems. The future of the sector will depend on the successful integration of scientific innovation, climate-resilient production technologies, efficient use of natural resources, advanced processing systems, bioenergy, digital agriculture, biotechnology, mechanization and effective industry–academia–government partnerships.

In this context, ICAR–Indian Sugarcane Research Institute (ICAR–ISRI), Lucknow in collaboration with the Association of Sugarcane Technologists of India (ASTI), Lucknow and Society for Sugar Research and Promotion (SSRP), New Delhi is organizing an International Conference from 16 to 19 February 2027 at Lucknow, Uttar Pradesh, India. The Conference is being organized in commemoration of the Platinum Jubilee Celebrations of ICAR–Indian Sugarcane Research Institute, Lucknow, marking a significant milestone in the Institute's long-standing contributions to sugarcane research, technology development, human resource development and the advancement of the sugar sector. The Conference will bring together researchers, academicians, sugar technologists, industry executives, policymakers, technology developers, entrepreneurs, students, research scholars, progressive farmers and representatives of national and international organizations.

Objectives

- Provide a global platform for exchange of knowledge and experience in sugarcane research, production, processing and utilization.
- Discuss advances in sustainable and climate-resilient sugarcane production systems.
- Explore opportunities for enhancing productivity, profitability and resource-use efficiency.
- Deliberate on the role of sugarcane in bioethanol, renewable energy and energy security.
- Promote innovations for improving energy productivity and reducing the carbon footprint of the sugar industry.
- Highlight soil health, carbon sequestration, integrated nutrient management and regenerative agricultural practices.
- Discuss innovative approaches for improving water-use efficiency and climate adaptation.
- Examine the potential of biotechnology, genomics, digital agriculture, precision farming and mechanization.
- Promote circular bioeconomy approaches and value addition of sugarcane and sugar-industry by-products.
- Provide a platform through the Sugar Expo and Technology Showcase for displaying, demonstrating, transferring and commercializing technologies.
- Strengthen collaboration among research institutions, universities, government, industry and international organizations.
- Develop recommendations and future strategies for a sustainable, profitable, climate-resilient and globally competitive sugar sector.

Who Should Attend?

Researchers, scientists and academicians	Sugar technologists, cane managers and sugar-industry executives	Ethanol, distillery, cogeneration and renewable-energy experts	Agricultural universities, research institutions and government organizations
Machinery manufacturers, technology suppliers and agri-input industries	Entrepreneurs, start-ups and agri-business and AI professionals	Environmental, carbon and green-energy experts	Students, research associates and progressive farmers

About the Organizing Institute

About ICAR-ISRI and City of Lucknow

The ICAR–Indian Sugarcane Research Institute (ICAR–ISRI), Lucknow established in 1952, is India's premier research institute dedicated to sugarcane science and technology. The Institute has played a pivotal role in advancing sugarcane research, developing improved production and protection technologies, promoting mechanization, and supporting the sustainable growth of the sugar and allied industries. Its research contributions have significantly enhanced sugarcane productivity and profitability, enabling India to achieve self-sufficiency in sugar production and emerge as a major exporter. Lucknow, the capital city of Uttar Pradesh, is renowned for its rich cultural heritage, historical monuments, and warm hospitality, earning it the title of the "City of Nawabs." The city experiences a humid subtropical climate, with cool and pleasant winters (December–February), hot summers (April–June), and monsoon rains (July–September). During the conference period, the weather is generally mild and pleasant. Participants are advised to carry light woolen clothing for the cool mornings and evenings.

About ASTI

The Association of Sugarcane Technologists of India (ASTI) was established on 5 January 1976 and registered under Registration No. 1410 of 1975–76. ASTI is a premier scientific society headquartered at ICAR–Indian Sugarcane Research Institute, Lucknow. The ASTI is dedicated to promoting the advancement and dissemination of knowledge in sugarcane science, sugar technology, and allied disciplines by providing a vibrant platform for researchers, academicians, industry professionals, policymakers, and extension personnel to exchange ideas and innovations. Since its inception under the patronage of its Founder President, Shri N. D. Tiwari, the ASTI has played a pivotal role in fostering collaboration between research institutions and the sugar industry. Over the years, ASTI has successfully organized numerous national and international conferences, seminars, and symposia, facilitating discussions on emerging challenges and technological advancements in sugarcane production, processing, and value addition. ASTI publishes the peer-reviewed Indian Journal of Sugarcane Technology, a half-yearly scientific journal issued in June and December, providing a platform for disseminating high-quality research in sugarcane and sugar technology. The ASTI also publishes conference proceedings and souvenirs to document and share the scientific deliberations of its events.

About SSRP

The Society for Sugar Research & Promotion (SSRP) was established in 1999 in New Delhi, India, with the objective of promoting the sustainable development of sugar and integrated industries through the application of scientific knowledge, technological innovations, and improved management practices. The Society works towards enhancing the productivity and profitability of sugar crops, sugar, bioenergy, and value-added products for the holistic development of the farming community and the sugar industry. SSRP publishes the internationally acclaimed journal Sugar Tech in collaboration with Springer Nature and regularly organizes national and international conferences, workshops, training programmes, and technical meetings. The Society also facilitates technology dissemination, scientific networking, consultancy services, capacity building, and scientific editing to promote research excellence and global collaboration in the sugar sector.

Technical Sessions

SESSION I

Sustainable and Climate-Resilient Sugarcane Production

Sustainable crop production systems, integrated crop and resource management, climate-smart agriculture, natural and organic farming, regenerative agriculture, crop diversification, intercropping, soil health, carbon sequestration, integrated nutrient management, water-use efficiency, irrigation innovations, drought management, and profitable sugarcane-based farming systems.

SESSION II

Emerging Technologies and Innovations in Sugarcane Agriculture

Precision agriculture, digital agriculture, artificial intelligence, machine learning, remote sensing, GIS, drones and UAVs, sensors, Internet of Things (IoT), decision-support systems, sugarcane breeding and biotechnology, genomics, molecular breeding, gene editing, crop protection, integrated pest management, digital phenotyping, and smart crop monitoring and management.

SESSION III

Bioenergy, Circular Economy and Sustainable Sugar Industry

Bioethanol and biofuels, renewable energy, cogeneration, energy efficiency, energy auditing, low-carbon sugar processing, circular bioeconomy, waste valorisation, biomass utilization, by-product management, biofertilizers, biochemicals, value-added products, energy security, and sustainable industrial practices.

SESSION IV

Mechanization, Automation and Robotics for Sugarcane Production

Farm mechanization for land preparation, planting and seed-cane management, intercultural operations, weeding, precision fertilizer application, harvesting and post-harvest operations, sugarcane trash management, ratoon management, machinery for small and fragmented farms, precision machinery, autonomous farm equipment, robotics, electric and alternative-fuel machinery, sensor-based machinery, intelligent implements, machine vision, autonomous navigation, human–machine collaboration, smart harvesting technologies, ergonomics, energy efficiency, custom hiring and mechanization services, and mechanization economics.

SESSION V

Sugarcane Technology Extension, Policy, Innovation and Industry Collaboration

Sugarcane technology extension, agricultural economics, policy and governance, international trade, value chains, technology transfer, innovation, entrepreneurship, start-ups, public–private partnerships, commercialization, industry–academia collaboration, extension, capacity building, technology demonstration, exhibitions, and industry–research interface.

Registration Fee

Academic Delegates

Scientist / Faculty

Early Bird
Till Dec 31, 2026
₹10,000

Standard
After Dec 31, 2026
₹11,000

Students

UG / PG / PhD / PostDoc
Project Staff / JRF / SRF / YP / RA

Early Bird
Till Dec 31, 2026
₹5,000

Standard
After Dec 31, 2026
₹6,500

Industry Delegates

Corporate / Industry

Early Bird
Till Dec 31, 2026
₹12,500

Standard
After Dec 31, 2026
₹13,500

Important Dates

ABSTRACT

Last Date for abstract submission
15 December 2026

Notification of acceptance of abstract
20 December 2026

REGISTRATION

Last Date of Early Bird Registration
up to 31 December 2026

Regular Registration
From 1st January 2027

SUGAR EXPO AND TECHNOLOGY SHOWCASE

A major attraction of the International Conference will be the organization of a dedicated Sugar Expo and Technology Showcase. The Expo will provide a platform for research institutions, universities, sugar mills, industries, technology developers, start-ups, entrepreneurs and equipment manufacturers to display and demonstrate technologies, products and innovations developed for the sugarcane and sugar industry.

- Sugarcane production technologies, improved varieties and quality planting material
- Agricultural machinery, mechanization and smart farming
- Precision agriculture and digital technologies
- Irrigation and water-saving technologies
- Biofertilizers, biostimulants, biopesticides and soil-health technologies
- Sugar-processing machinery, automation and Industry solutions
- Bioethanol, biofuel, cogeneration and renewable-energy technologies
- Bagasse, molasses, press mud and by-product utilization
- Waste management, value addition and circular bioeconomy
- Climate-smart and low-carbon technologies

The Sugar Expo will serve as a bridge between research and industry, enabling technology developers and research institutions to interact directly with industrial partners for technology transfer, licensing, commercialization and large-scale adoption.

SPONSORSHIP OPPORTUNITIES

Industries, companies, research institutions, start-ups and technology developers are invited to participate in the Sugar Expo through exhibition stalls, technology displays, product showcases, live demonstrations, industry presentations and sponsorship.

Platinum — ₹7,00,000

Premium exhibition space; prominent branding; technology presentation; 04 complimentary registrations; souvenir advertisement; special recognition.

Gold — ₹4,00,000

Premium exhibition stall; technology presentation opportunity; logo display; 03 complimentary registrations; souvenir advertisement.

Silver — ₹2,00,000

Exhibition stall; logo display; product/technology showcase; 02 complimentary registrations, ; souvenir advertisement.

Bronze — ₹1,00,000

Logo display; product/technology showcase; 01 complimentary registration; souvenir advertisement.

Advertisement

Back Cover M.Color	₹1,50,000
Inside Cover (Front) M.Color	₹1,00,000
Inside Cover (Back) M.Color	₹1,00,000
Full Page M.Color	₹75,000
Full Page B/W	₹50,000

Stalls without sponsorship:
₹ 80,000 per stall (Size 3x3 m)

Products and Technologies Display in ISRICON-2027 Exhibition

Machinery & Farm Inputs

- Sugar and Distillery Machinery, Co-gen Plant Components, Farm Implements, Sugar, Jaggery and other Products .
- High quality farm tools and machinery, Solar powered pumps
- Conventional Inputs – Fertilizers, Pesticides, PGRs

Chemicals & Bio-Inputs

- Sugar Processing Chemicals, Biocides, Antifoams, Antiscalants etc.
- Next-generation AI-based smart agro-inputs used in sugar crop production and protection
- Microbial preparation for pest control and soil fertility management
- Bioactive natural molecules for pest management

Organic, Water & Structures

- Herbal preparations for organic agriculture, soil additives, vermicompost, vermi-wash, weed extracts
- Plasticulture and smart irrigation systems for water economy in cane farming
- Modern Agriculture systems: Green house, Net house, Glass house

CONFERENCE OFFICIAL WEBSITE

www.isricon2027.in

This official website is your one-stop destination for all event-related activities:

01 Abstract Submission & Guidelines – Access submission details and guidelines
02 Event Registration – Register easily online
03 Secure Payment Gateway – Make hassle-free payments
04 Download Documents – Get your abstract acceptance letter & registration confirmation
05 Event Fee Receipt – Get your Payment Receipt instantly
06 Accommodation Facilitation – Submit your stay preferences
07 Travel Itinerary Submission – Share your travel details effortlessly
08 Presentation Guidelines – Get the instructions for oral and poster presentations
09 Event Announcements – Stay updated with important news
10 Contact Organizing Team – Get assistance as and when needed

Everything you need for a seamless event experience is just a click away!

For Technical Assistance

Event UP
A Unit of Krishi Junction

+91-78924 05424 (10AM to 5PM)
support@eventup.in (Official Hours)
+91-70198 10047 - Quick Support (24/7)

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CHIEF ORGANIZING SECRETARY	**Dr. S. K. Shukla, Principal Scientist, ICAR–ISRI, Lucknow, India**
INTERNATIONAL COORDINATOR	**Dr. G. P. Rao, SSRP, New Delhi, India**
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CONTACT US

Organizing Secretaries / Conference Secretariat
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Join Us in Lucknow

From Our Side: Building a Sustainable and Sustainable Future

DISCOVER LUCKNOW

The City of Nawabs | Heritage • Culture • Cuisine



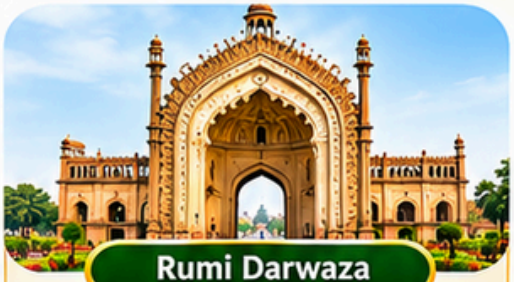
Bara Imambara & Bhool Bhulaiya

Grand Nawabi architecture and historic maze.



Chhota Imambara

Ornate domes and chandeliers.



Rumi Darwaza

Iconic 18th-century gateway.



The Residency

Historic site associated with 1857.



Husainabad Clock Tower & Picture Gallery

Landmark clock tower and art gallery.



Dr. Ambedkar Memorial Park

Monumental architecture and landscaped grounds.



Janeshwar Mishra Park

Expansive urban green space.



La Martiniere College

Distinctive historic architecture.



Hazratganj & Chowk

Shopping, Chikankari crafts and traditional Lucknow food.

HOW TO REACH THE CONFERENCE VENUE

BY AIR

BY RAIL

BY ROAD

Lucknow is well connected to major Indian cities by air, rail and road. Chaudhary Charan Singh International Airport (Amausi) offers regular domestic connections to cities including New Delhi, Mumbai, Kolkata, Bengaluru, Hyderabad, Patna, Varanasi and Goa, along with select international connections to the Middle East and Southeast Asia. International delegates may connect through New Delhi, Mumbai or Bengaluru. Lucknow is a major railway junction with excellent rail links across India. National highways provide convenient road access from neighbouring states and major cities.

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