



ISSGPU CON 2025

National Conference of Indian Society for Sheep and Goat Production and Utilization

"Transforming Small Ruminant Production:
Empowering Precision Farming and Genomic Innovations
for Enhanced Productivity and Sustainable Development"

February 06th - 08th, 2025



Venue:

ICAR-Central Institute for Research on Goats (CIRG),
Makhdoom, Mathura, Uttar Pradesh, India



www.cirg.res.in



CIRGMATHURA



ICAR-CIRG Makhdoom



director.cirg@icar.gov.in



[cirg_farah_mathura](https://www.instagram.com/cirg_farah_mathura)



[GoatResIndia](https://twitter.com/GoatResIndia)

About the theme: “Transforming Small Ruminant Production: Empowering Precision Farming and Genomic Innovations for Enhanced Productivity and sustainable Development”

In modern agriculture, innovative methods for small ruminant production are key to improving productivity and sustainability. Precision livestock farming (PLF) leverages digital tools like automated feeding, health monitoring sensors, and data analytics, optimizing resource use, enhancing animal welfare, and reducing waste. These advancements are gaining traction worldwide, particularly in countries with developed livestock industries, and hold promise for supporting sustainable growth in developing regions.

Genomic selection further accelerates breeding by identifying traits like disease resistance and high fertility, helping create resilient breeds that adapt to climate challenges. Together, PLF and genomic tools offer a transformative approach to small ruminant production, fostering productivity, environmental sustainability, and food security.

About the venue: Brijbhoomi (Mathura and Vrindavan)

Brijbhoomi, encompassing Mathura and Vrindavan in Uttar Pradesh, is revered as the birthplace and playground of Lord Krishna. These cities are globally renowned for their spiritual and cultural heritage, drawing millions of devotees. Mathura, one of Hinduism's seven sacred cities, houses the Krishna Janmabhoomi Temple, marking Lord Krishna's birthplace, and celebrates festivals like Janmashtami with vibrant processions. Vrindavan, where Krishna's childhood pastimes unfolded, features temples like Banke Bihari, Prem Mandir, and the ISKCON Temple, and is famous for its unique Holi celebrations. The region, rich in Krishna's legacy, remains a cherished spiritual destination.

How to reach?

ICAR-Central Institute for Research on Goats (CIRG) is located at Makhdoom, Farah, Mathura, and is well-connected to major cities:

- **By Road:** The institute is accessible via NH19 from Mathura, Agra, and Delhi



(165 km) and from Noida via the Yamuna Expressway (207 km). It is also connected to Lucknow via the Agra-Lucknow Expressway (373 km).

- **By Rail:** The nearest railway stations are Deendayal Dham (2 km), Mathura Junction (26 km), and Agra (36 km).
- **By Air:** The closest domestic airport is Agra's Kheria Airport (40 km), while the nearest international airport is Indira Gandhi International (IGI) Airport in Delhi, 180 km away.

About the Host Institute

The Central Institute for Research on Goats (CIRG) in Makhdoom, Mathura, Uttar Pradesh, is a leading ICAR research institute established on July 12, 1979. CIRG focuses on enhancing goat productivity for meat, milk, and fiber through applied and fundamental research, promoting goats as vital for livelihood security, poverty alleviation, and employment among smallholders.



CIRG's achievements include developing high-yield goat breeds (Barbari, Jamunapari and Jakhrana), genetic improvement programs, vaccines for diseases like Johne's disease, and the MeV for caprine enterotoxaemia. Diagnostic advancements include TaqMan® PCR assays for detecting brucellosis and other diseases. CIRG's nutritional research explores cost-effective feed formulations, including Moringa-based feeds, and tools for methane emission reduction and pregnancy detection. Innovations also cover specialized feeds (Methlow, Coccicheck), solar dryers, and enhanced goat milk products like cheese and yogurt. Other key areas of research include early pregnancy detection using pregnancy-associated glycoproteins (PAGs), the development of CRISPR-based techniques for producing goats with double muscle mass to enhance growth and productivity.

With a Quality Management System (QMS) ensuring high standards, CIRG engages in national and international training, consultancy for goat farm establishment, and community programs to support marginalized groups.



Recent milestones include 12 patents, over 20 commercialized technologies, and partnerships with various institutions.

Technical Sessions

- Session I: Precision Livestock Systems in Small Ruminant Production
- Session II: Genomic Innovations for Enhanced Productivity
- Session III: Advances in Reproductive Physiology and Assisted Reproductive Technologies in Small Ruminants
- Session IV: Optimizing Rumen Health and Innovative Feed Formulations
- Session V: Cutting-Edge Diagnostics for Infectious Diseases in Small Ruminants
- Session VI: Innovative Therapeutics and Vaccines to Combat Resistance
- Session VII: Genomic Selection and OMICs for Climate-Resilient Productivity
- Session VIII: Value Addition and Modern Packaging of Small Ruminant Products
- Session IX: Young and Mid-Career Scientist Awards
- Session X: Socio-Economic Policies and Livelihood Upliftment through Small Ruminant Production
- Session XI: Adoption and Impact of Novel Small Ruminant Technologies

Day 1: February 06, 2025

Inaugural Ceremony

- **Welcome Address**
- **Keynote Speech:** “Transforming Small Ruminant Production through Genomic and Technological Innovations”
- **Inauguration of Exhibition**

Session I to V

Day 2: February 07, 2025

Session VI to IX

Day 3: February 08, 2025

Session X to XI

Valedictory Ceremony: 1.00 PM

- **Summary of Conference Proceedings**
- **Feedback and Suggestions**
- **Award and Certificate Distribution**
- **Closing Remarks**
- **Vote of Thanks**
- **End of the event**

Post Valedictory Lunch: 2.00PM

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Registration and Submission Deadlines:

- **Abstract Submission:** January 15, 2025
- **Early Bird Registration:** December 15, 2024

Proposed Registration Fee

Delegate Category	On or before December 15, 2024	After 15 th December, 2024 or Spot Regi.
ISSGPU Members	Rs. 7500	Rs. 8000
Non-ISSGPU Members	Rs. 8000	Rs. 8500
Accompanying Members	Rs. 4000	Rs. 4000
Students (Member)	Rs. 3000	Rs. 3000
Students (Non-member)	Rs. 3500	Rs. 3500
Foreign Delegates	\$ 250	\$ 350

Farmers programme on 08.02.2025: Farmers, entrepreneurs and stakeholders meeting – to be organized by DAPSC and DAPSTC – Rs. 1500/farmer

For more information, please visit www.issgpu.org or contact the organizing committee at director.cirg@icar.gov.in

We look forward to welcoming you to ISSGPUCON 2025 at ICAR-CIRG, Makhdoom, Mathura.

