



Technical Sessions

The **52nd Dairy Industry Conference** was held at the Yashobhoomi Convention Centre, New Delhi, from February 12–14, 2026. The central theme of this year's conference was **"Empowering Rural India through Dairy Entrepreneurship."**

The conference featured eleven technical sessions, including the CEOs' Conclave, and 70 presentations by experts from across the dairy sector.

Videos of all the sessions are being uploaded on IDA's YouTube channel (<https://www.youtube.com/@indiandairyassociationhead9676>). Members and readers will be able to access the session-wise recordings from the first week of April 2026.

The salient points of the technical sessions are summarised below.

Dairy Production Enhancement: Implement genomic selection, precision nutrition, and advanced diagnostic tools to improve herd health and productivity.

Technology Accessibility: Develop and subsidize affordable sensor-based monitoring systems and digital advisory platforms for small and medium-scale farmers.

Profitability Focus: Shift extension efforts toward data-driven herd management and cost optimization to improve net profitability.

Milk Processing Advancements: Promote automation for MSMEs, standardization of low-lactose products, sustainable packaging, and the development of health-centric foods.

Dairy Industry Vision for 2047: Focus on precision breeding for Indian breeds, alternative feeding technologies, and AI-integrated smart monitoring systems.

Technical Session Focus: Revolutionizing milk processing technologies and realizing the nation's dairy goals by 2047.

Climate-Resilient Dairying: Scale up methane-reducing feed additives, replicate proven sustainability frameworks, and provide climate intelligence through THI-based advisory systems.

Precision Dairying Transition: Institutionalize precision dairying certification programmes and build the capacity of farmers and extension workers for a high-tech, net-zero transition.

Emerging Technologies in Dairy: Promote wearable livestock sensors, AI-driven IoT platforms, and blockchain-based traceability to enhance herd health, milk quality, and food safety.

Data-Driven Dairy Management: Utilize predictive analytics and cloud-based dashboards to optimize feeding strategies, predict milk yields, and manage cold chain logistics.

Smart Quality Assurance: Implement computer vision and NIRS technologies for rapid, non-destructive milk quality assessment and adulteration detection.

Empowering Women in Dairy: Support Women's Milk Producer Companies (WMPCs) and Self-Help Groups (SHGs) through enabling policy frameworks, financial inclusion, skill development, and improved market linkages.

Aflatoxin Reduction: Implement CO₂ flushing during corn storage to suppress fungal growth and reduce aflatoxin contamination in animal feed.

Reduction in Antibiotic Dependency: Promote ethno-veterinary practices at the village level to reduce antibiotic dependency and address issues related to antimicrobial resistance (AMR), FMD, and mastitis.

Export Market Expansion: Fast-track the establishment of FMD-free zones and obtain OIE certification to overcome international trade barriers for Indian dairy products.

Trade Policy Objectives: Align domestic processing standards with international benchmarks, reduce import dependence, secure favourable market access, and monitor global regulatory developments.

Dairy Product Positioning: Promote bovine milk as a superior nutritional choice and develop functional dairy foods targeting gut health.

Non-Bovine Milk Market Development: Commercialize camel and goat milk for specific health benefits, integrate non-bovine milk producers into organized collection systems, and establish dedicated processing clusters.

Indigenous Nutraceutical Development: Standardize the extraction of bioactive compounds from milk to develop cost-effective nutraceutical supplements.

Regulatory Clarity for Vegan Alternatives: Enforce strict labelling regulations to prevent consumer misinformation regarding the nutritional equivalence of plant-based alternatives to dairy.

Export Market Intelligence: Establish a Global Dairy Trade Desk to provide real-time data on non-tariff barriers and labelling regulations, with a focus on high-growth "Indian diaspora" markets.

Milk Quality Improvement: Introduce policy incentives for milk with low somatic cell counts and zero antibiotic residues.

Sustainability Initiatives: Replicate the Banas Dairy sustainability model nationwide, integrating methane inhibitors and zero-liquid-discharge systems.

Traceability and Transparency: Deploy AI-integrated sensors and blockchain technology for automated animal health monitoring and secure, immutable records for food safety.



Technical Session 52nd DIC

Technical Session 2
(Hall: Amaltas A)
Topic: Dairy Production Systems
for Empowerment



Technical Session 4
(Hall: Amaltas A)
Topic: Dairying @2047:
Realization of the
Nation's Dream



Technical Session 6
(Hall: Amaltas A)
Topic: Emerging Technologies and
IoT in the Dairy Value Chain
(Scientific Perspective)



Technical Session 8
(Hall: Amaltas A)
Topic: Enhancing Milk
Quality, Safety, and
Standards in the Indian
Dairy Value Chain

Technical Session 3
(Hall: Parijat)
Topic: Revolutionizing
Milk Processing
Technologies for Dairy



Technical Session 5
(Hall: Parijat)
Topic: Climate Resilient
Dairying: Lessons and
Action Plan



Technical Session 7
(Hall: Parijat)
Topic: Women led Dairy
Sector Developments:
Evidence-based
Success Stories



Technical Session 9
(Hall: Parijat)
Topic: Globalization of
Indian Dairy Sector:
Opportunities &
Challenges



Technical Session 52nd DIC



Industry Session 1
(Hall: Kesar)
Topic: Industry Presentations



Industry Session 2
(Hall: Kesar)
Topic: Industry Presentations



Industry Session 3
(Hall: Kesar)
Topic: Industry Presentations

Technical Session 10
(Hall: Amaltas A)
Topic: Demystifying Dairy
Myths: Science, Health, and
the Future of Functional
Dairy Foods



Technical Session 11
(Hall: Amaltas B)
Topic: Empowering
Indian Dairying:
Marketing
Strategies, Good
Governance, and
Policy Roadmap for
Sustainable Growth



Valedictory Session 52nd DIC



Valedictory Session
Shri K.S. Mani, Chairman, MILMA
delivering the Chief Guest address



Felicitations of the Chief Guest during the Valedictory Session

Audience at the Valedictory Session

