



REPORT ON BEST POSTER AWARDS

The 52nd Dairy Industry Conference (DIC) was organized with the theme "**Empowering Rural India through Dairy Entrepreneurship**" at Yashobhoomi Convention Centre, New Delhi from February 12 to 14, 2026.

The 52nd DIC witnessed great enthusiasm from young researchers, scholars, and professionals from the dairy industry. The Poster Session was organized under five thematic areas, namely Dairy Production (DPN); Dairy Processing and Value Addition (PVA); Dairy Quality and Food Safety (QFS); Dairy Business Management and Entrepreneurship (BME); and Fostering the Future Dairy Industry through Multi-Disciplinary Innovation (MDI). Researchers displayed their posters, and a large number of visitors interacted with them to learn about the latest developments and cutting-edge scientific advancements in the field. **Dr. S.K. Kanawjia**, former Principal Scientist, NDRI and CEC Member, IDA, served as Chairman, and **Dr. P. Narender Raju**, Senior Scientist, NDRI and ZEC Member, IDA (NZ), served as Convener for the Poster Session.

During the five Poster Sessions, a total 69 papers were presented, of which 17 were given prizes for the Best Posters under different categories.

POSTER PRESENTATION WINNERS

Dairy Production (DPN)

I Prize: Dr. Sohan Vir Singh presented on "**Geothermal energy: Revolutionary initiative in Indian dairy sector and its effect on growth performance and stress biomarkers of growing Murrah buffaloes**".

II Prize: Dr. Basavaprabhu H N presented on "**Tackling Antimicrobial Resistance in Bovine Mastitis Using Carbon Quantum Dots: A Nanomedicine- Based One Health Approach**".

II Prize: Dr. Prasad Dattatray Chendge presented on "**Milk Production Performance of Non-Descript Buffaloes in Konkan Region of Maharashtra State**".

III Prize: Dr. Sohan Vir Singh presented on "**Infrared thermography: A non-invasive tool for monitoring scrotal thermal profiles and its relationship with sexual behaviour and semen quality of Murrah bulls**".

Dairy Processing and Value Addition (PVA)

I Prize: Dr. Amrita Poonia presented on "**Green synthesis**

of carbon quantum dots from buttermilk, characterization and novel application for paneer preservation".

II Prize: Dr. Diwas Pradhan presented on "**Dairy-derived milk fat globule membrane as a functional ingredient: Anti-inflammatory effects alone and with probiotics in cell and colitis mice models**".

III Prize: Dr. Gajendra Londhe presented on "**Studies on Preparation of Gulabjamun by Replacing Maida with Barnyard Millet (Echinochloa Frumentacea) Flour**".

III Prize: Dr. Shaik Abdul Hussain presented on "**Development of high protein gummies using milk proteins and hydrocolloid combinations**".

Dairy Quality and Food Safety (QFS)

I Prize: Dr. Preetesh Joshi presented on "**Mobile Testing Van- A way towards safer food**".

II Prize: Dr. Kamal Gandhi presented on "**A novel rapid colorimetric assay for detection of anionic detergent adulteration in milk**".

III Prize: Dr. Ketan Sharma presented on "**Investigations on migration kinetics and safety assessment of biodegradable film for food contact applications**".

III Prize: Dr. Raghu H.V. presented on "**Impact of processing on aflatoxin M1 levels during paneer preparation**".

Dairy Business Management and Entrepreneurship (BME)

I Prize : Dr. Prakash A Panchal presented on "**Solarizing Village Milk Collection: Enhancing Efficiency and Sustainability**".

II Prize: Dr. Jesika presented on "**Enhancing climate resilience in dairy farming: Effectiveness of NDRI climate services in Haryana**".

Fostering the Future Dairy Industry through Multi-Disciplinary Innovation (MDI)

I Prize : Dr. Madhu Kumar A.P. presented on "**IoT-enabled end-to-end dynamic traceability in the dairy supply chain**".

II Prize: Dr. Sohan Vir Singh presented on "**Predictive assessment of thermal stress in indigenous and crossbred cattle through infrared thermography and emerging machine learning approaches**".

III Prize: Dr. Roshan Ratnakar Naik presented on "**Improving the quality and volume of milk production through early diagnosis and treatment of subclinical mastitis in milch animals**".