



## REPORT ON BEST PAPER AWARDS

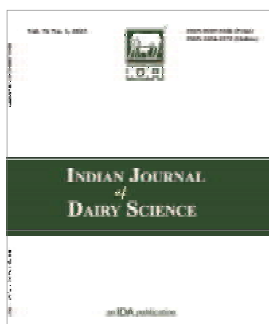
To encourage contribution towards scientific knowledge, IDA presents the Best Paper Award for its two journals - *Indian Dairyman* and *Indian Journal of Dairy Science* (IJDS). The paper is judged by a panel of eminent dairy scientists. The Best Paper Award is presented to the awardee during the Annual Dairy Industry Conference. In *Indian Dairyman*, there are two categories, viz., Commercial Aspects of Dairying and Technical Aspect of Dairy Sector, under which the award is presented. In *IJDS*, there are three categories, viz., Dairy Production, Dairy Processing and Economics & Extension.

Under the First category award, a cash prize of Rs. 20,000/- is given to the author whereas Rs. 12000/- cash prize is given to the Second category award.

During the Plenary Session of the 51<sup>st</sup> Dairy Industry Conference (DIC) at Patna, Bihar, the Best Paper Awards were presented for the year 2023 and 2024.

### INDIAN JOURNAL OF DAIRY SCIENCE

#### BEST PAPER AWARD 2023



#### (DAIRY PROCESSING)

##### First Prize

**Validation of methods for pesticide residue analysis in milk and milk products as per FSSAI regulation**

*Dnyaneshwar Shinde, Rajiv Chawla, Badal Patel, Swati Patil, Hriday Darji, Shashi Kant Gupta and Rajesh Nair*

##### Second Prize

**Design of Micro-perforated PTFE mould for manufacture of Paneer, Cheese and Tofu using Finite Element Analysis**  
*Jayanth K J, Mahesh Kumar Ga, Rajunaik B, CT Ramachandra, M Manjunatha and Arun Kumar H*

#### (DAIRY PRODUCTION)

##### First Prize

**Prostasomes as interlocutor for zygotic epigenome health: role of prostasome secretome in maintenance of zygotic epigenome**

*Amit Kumar and Rajib Rajhans*

##### Second Prize

**Effect of varying levels of fibre and starch in calf starters containing finely ground maize grain on the performance of pre-ruminant calves**

*M Thirupathi, G. Alexander, D Nagalakshmi and Suresh Rathod*

#### (ECONOMICS & EXTENSION)

##### First Prize

**Performance of dairy processing firms in India- An empirical analysis across size and experience categories**

*Asha Devi SS, BS Chandel, Ravinder Malhotra, AK Dixit and Denny Franco*

##### Second Prize

**Impact of COVID-19 pandemic on household consumption pattern of dairy products in India**

*Gunjan Bhandari, Priyanka Lal and Binita Kumari*

#### BEST PAPER AWARD 2024

#### (DAIRY PROCESSING)

##### First Prize

**Development of lateral flow enzyme substrate assay strip for qualitative estimation of coliforms**

*Kunal M Gawai, Subrota Hati and Jashbhai B Prajapati*

##### Second Prize

**Screening of sugar tolerant fast-growing lactic acid bacteria for preparation of Misti dahi**

*Reshab Majumder, Himanshu, Manorama Kumari, Shaik Abdul Hussain and Pradip Behare*

**Performance evaluation of strip based test for detection of urea adulteration in milk**

*Savaliya RR, Shaikh AI, Parekh SL, Kapadiya DB, Jain AK and Parmar SC*

#### (DAIRY PRODUCTION)

##### First Prize

**Genetic blueprinting of novel and performance traits-related SNPs in Indian Gir cattle using latest reference assembly**

*Nidhi Sukhija, Anjali Choudhary, Kanaka KK, M Joel Devadasan, Jayakumar Sivalingam and Archana Verma*

##### Second Prize

**Genome-wide SNP identification and annotation from high coverage whole genome sequenced data of Bhadawari buffalo**

## BEST PAPER AWARDS



*Ameya Santhosh, Vikas Vohra, Rani Alex and Gopal Gowane*

### (ECONOMICS & EXTENSION)

#### First Prize

**Comparative analysis of management practices of calves of dairy animals under organic and non-organic farming system**

*Saikat Maji, BS Meena, Neela Madhav Patnaik and Priyajoy Kar*

**Performance assessment of the dairy co-operatives in the mainland and Saurashtra-Kutch regions of the Gujarat, India**

*Darshnaben P Mahida, BS Chandel, Ajmer Singh, Sendhil Ramadas, R. Malhotra, K. Ponnusamy and Kaushik Khamrui*

**Economic impact of milk price incentive scheme on dairy farming in Karnataka**

*Kiran Kumar R Patil, Sowmya H.S and Ramesha Y.S.*

#### Second Prize

**Economics of livestock-based farming systems in saline and normal areas of West Bengal: A comparative analysis**

*Arghyadeep Das, Raju R, R Malhotra, Ajmer Singh, Sanjit Maiti, Rakesh Kumar and Neela Madhav Patnaik*

**Time series analysis and ARIMA models for milk yield data**

*Navneet Kaur and Vinod Kumar*

## INDIAN DAIRYMAN

### BEST PAPER AWARD 2023



### (TECHNICAL ASPECTS)

#### First Prize

**Biofilm in the Food and Dairy Industry: Impact and Control Measures**

*Sayantan Paul*

#### Second Prize

**Fortifying Dairy Products with Omega-3 Fatty Acids: A Promising Approach for**

**Enhancing Nutritional Value and Health Benefits**

*Beenu Tanwar and Ankit Goyal*

### (COMMERCIAL ASPECTS)

#### First Prize

**Unlocking India's Dairy Export Potential: Challenges and Focus**

*Kuldeep Sharma*

#### Second Prize

**Ghee Residue and its Application in Dairy and Food Industry**

*Rakendhu Saji, Akshay Ramani, Kamal Gandhi, Rajan Sharma and Raman Seth*

### BEST PAPER AWARD 2024

### (TECHNICAL ASPECTS)

#### First Prize

**Veterinary Drug Residues in Indian Milk: Detection and Safety Measures**

*Rakendhu Saji, Akshay Ramani, Kamal Gandhi, Rajan Sharma, Rajesh Bajaj and Onkar Gaikwad*

#### Second Prize

**Quality Control of Probiotic Strains for Safe Use in Dairy Foods**

*Basavaprabhu H.N., Reshab Majumder and Pradip V. Behare*

**Enhancing the Shelf Life of Pasteurized Milk**

*Sham Chaudhary and J.V. Parekh*

### (COMMERCIAL ASPECTS)

#### First Prize

**Sustainable Dairying and Greenhouse Gas Emission Concerns - An Indian Perspective**

*Navjot Kaur, Hanish Sharma, Inderpreet Kaur and Pranav K. Singh*

#### Second Prize

**Revolutionizing Dairy Farming: Unleashing the Potential of Assisted Reproductive Technologies in India**

*Newton Biswas, Kiran Singh, Neeraj Srivastava and M.H. Khan*



## REPORT ON BEST POSTER AWARDS

51<sup>st</sup> Dairy Industry Conference was organized with the theme "**Indian Dairying: Global Growth; Local Strength**" at Samrat Ashoka International Convention Centre, Gandhi Maidan, Patna (Bihar) during March 6 -7-8, 2025. The themes selected by the Poster Session Committee for poster presentations were: Milk Production; Milk Processing; Dairy - Health, Nutrition, Quality; and Sustainability, Case Studies, Consumer Education, Marketing.

During the four Poster Sessions, a total 40 papers were presented. Out of the 40 poster papers presented, 11 were given prizes for the Best Posters under different categories.

### POSTER PRESENTATION WINNERS

#### THEME A: MILK PRODUCTION

**I Prize:** Nidhi Sukheja, Kanaka KK, Indrajit Ganguly, SP Dixit Sanjeev Singh, Rangarai Chandra, Pallavi Rathi, Nandani PB, Subrata Koloi. Presented on "**Selection Signatures identified for cold adaption in selected himalyan caprine breeds**".

**II Prize:** Apeksha Ukey, Sohan Vir Singh, Tejeshwari Satpute and Pawan Singh. Presented on "**Seasonal dynamics of scrotal infrared profile and its relationship with seminal attributes of Murrah buffalo bulls**".

#### THEME B: MILK PROCESSING

**I Prize:** Ravindra Kumar Yadav, Sanjeev Kumar, Suryamani Kumar, Lalit Mohan Bal. Presented on "**Quality Characterization of Litchi-Based Yoghurt Enriched with Sweet Potato Using the Response Surface Methodology (RSM) Technique: A CCRD Approach**".

**II Prize:** Sangita Kumari, Suryamani Kumar, Sanjeev Kumar and Shubham Kumar. Presented on "**Study on Development of low calorie Moringa oleifera shrikhand type product**".

**III Prize:** Reshab Majumder, Himanshu, Manorama Kumari, Pradip Behare. Presented on "**Development of stable thermophilic liquid starter culture blend for dahi using whey**".

#### Theme C: DAIRY - HEALTH, NUTRITION, QUALITY

**I Prize:** Subrota Hati, Krupali Ramanuj, Sreeja V, Kunal M. Gawai, Brijesh Bhuvai, Kartikkumar Vadher, Prakash Koringa, Tapan R Kumbhani. Presented on "**Anti-diabetic effect of camel milk on the growth performance, haematological traits and metagenomic study of caecal content of high fat diet induced type-II diabetic wistar**".

**II Prize:** Binita Rani, Anuradha Kumari and Rakesh Kumar. Presented on "**Development and Quality Assessment of Nutrient-Dense Laddoo Incorporated with Finger Millet, Flaxseed and Skimmed Milk Powder**".

**III Prize:** Manorama Kumari, Deepa, Pauly Chakiath, Rajan Sharma, Pradip Behare. Presented on "**Harnessing food-grade substrate fermentation for enhanced probiotic growth and vitamin B12 production**".

#### Theme D: SUSTAINABILITY, CASE STUDIES, CONSUMER EDUCATION, MARKETING

**I Prize :** Shubham Kar, Narender Raju Panjagaria, Taniya Harchandani, Karpurapu Uma, Sangita Ganguly, Ashish Kumar Singh, Adesh Kumar Sharma. Presented on "**Smartphone Application-based Intelligent Packaging Solution for Shelf Life Prediction of Sandesh Using On-Package Freshness Indicator and Machine Learning Models**".

**II Prize:** Devika Mehrotra. Presented on "**Digitalization: transforming dairy sector for sustainability**".

**III Prize:** Saurabh Shankar Patel. Presented on "**A modern milk vendor scaling Traditional Dairy Business**".