

The President IDA delivers a lecture at the Workshop on Food Supply Chain at Chandigarh

THE CENTRE FOR GLOBAL BUSINESS (Global Value Chains Research Group) Monash University, Australia



in partnership with University of Lincoln, IFFCO, Punjab Agricultural University and Sangha Innovation Centre organized a two-day Workshop at CII, Chandigarh on 18 and 19 February, 2019.

Dr. G.S. Rajorhia, President of IDA, was invited to deliver the talk on modern milk supply management system followed by the stake-holders specially those AMUL dairy plants functioning under GCMMF. The participants were of the view that the model evolved by Indian Dairy Industry is an example of excellence for adoption by all stake holders in the supply chain management.

The Workshop found that there has been limited change or innovation in improving food supply chains in India which suffer from lack of infrastructure such as warehousing, logistics transportation, traceability, food processing facilities and inappropriate supply chain.

Substantial amount of waste of agricultural produce takes place in the food supply chain more so in the area of fruits vegetable production. A collaboration research programme should be developed to improve the situation.

A very significant problem that farmers face is related to water and electricity shortage combined with high cost of inputs such as seed, pesticides, fuel and labour. The workshop realized that there is a clear need to improve the productivity and enhance the effectiveness of food supply chains by adopting modern technologies and management practices. The recommendations of the Workshop will be published in later issue of Indian Dairyman.

At this workshop, IDA was requested to lead a research group to develop and optimize a suitable model to address the challenges faced in food supply system. The workshop was inaugurated by Mr. Rod Hilton, Dy. High Commissioner of Australia, based in New Delhi, India. He has evinced keen interest in the activities of IDA and desired to visit IDA for discussing future collaborative programmes.

FAD 19 Sectional Committee meeting of Bureau of Indian Standards

THE PRESIDENT, Dr. G.S. Rajorhia attended the 20th meeting of FAD 19 – Dairy Products and Equipments Sectional Committee organized by the Bureau of Indian Standards at its National Institute of Training for Standardization (NITS), Noida on 15th December, 2019.

The Sectional Committee reviewed the old products in harmonization with the provisions laid down in the Rules and Regulations framed by the FSSAI. The product standards which were discussed included Khoa and Channa based sweets, infant milk substitutes, condensed

milk, edible casein, milk-cereal based complimentary foods, malted milk foods, cheese, ice-cream, sterilized cream, flavoured milk and other milk products. The sampling

procedures and methods of test were also discussed and finalized. The meeting was chaired by Dr. R.R.B. Singh, Director, NDRI, Karnal.

NATIONAL news

Govt. strengthening dairy infra to produce quality milk through schemes

THE GOVERNMENT is making efforts to strengthen infrastructure for production of quality milk, procurement, processing and marketing of milk and milk products through various dairy development schemes, namely the National Programme for Dairy Development (NPDD), the National Dairy Plan Phase-I and the Dairy Entrepreneurship Development Scheme (DEDS).



Gujarat, Karnataka and Maharashtra. He added that new schemes with soft loans from World Bank and Japan International Corporation Agency (JICA) were being finalised to extend the benefits to a wider number of farmers.

The government was also formulating plans for the creation of

This was stated by Shri Radha Mohan Singh, Hon'ble Union Minister of Agriculture and Farmers' Welfare, during his address, titled "Milk Processing Infrastructure in Dairy Cooperative Sector", at the ministry's Inter-session Meeting of Consultative Committee, in New Delhi, recently. Further, the Dairy Processing and Infrastructure Development Fund (DIDF) has been set up with a corpus of ₹ 8,004 crore for the setting up of chilling infrastructure and installation of electronic milk adulteration testing equipment at village level and creation/modernisation/expansion of processing infrastructure and manufacturing facilities for value-added products.

He added that the government is committed to doubling farmers' incomes by 2022 by providing greater access to rural milk producers by strengthening dairy infrastructure in order to help generate year-round income and gainful employment.

The minister said that 22 sub-projects were approved in January 2019, at a total estimated project cost of ₹3,147.22 crore, in five states, namely Punjab, Haryana,

dairy infrastructure, besides implementing the ongoing schemes for dairy development. The National Action Plan (NAP) for Dairy Development envisages increasing milk production to 254.5 million tonne by 2021-22 requiring an annual growth rate of 8.56 per cent, which would lead to increase in per capita availability of milk to 515g per day.

It has been targeted to increase the organized milk handling from present 21 per cent to 41 per cent by March 2022, while increasing the cooperative share from the present 10 per cent to 20 per cent.



Mother Dairy's first milk processing plant in Eastern India

SHRI RADHA MOHAN SINGH, Hon'ble Minister of Agriculture and Farmers' Welfare, Government of India, inaugurated Mother Dairy's state-of-the-art milk processing plant at Math Banwari, near Pipra Kothi in Motihari district of Bihar, recently.

The ceremony was attended by Shri Sushil Kumar Modi, State Deputy Chief Minister who was the Chief Guest along with Bihar Tourism Minister Shri Promod Kumar. Shri Dilip Rath, Chairman, NDDDB was also present during the inauguration.

Shri Singh has played a key role in providing market access to the dairy farmers of Motihari market access and ensured fair and remunerative prices for the milk. The report also says that he had also launched Bapudham Milk Producers Company in 2017 that works for rural prosperity. The producers' company paved the way for a streamlined and transparent milk collection system, wherein farmers started pouring milk.



NCDFI eMarket mobile application launched

The eMarket mobile application of National Cooperative Dairy Federation of India Ltd. was launched by Shri Dilip Rath, Chairman, NDDDB at Dr. Kurien Auditorium, NDDDB, Anand on 31st January 2019 in the presence of Shri Mangal Jit Rai, Chairman, NCDFI Ltd; Shri Rasik Parmar, Chairman, Chhattisgarh State Cooperative Dairy Federation Ltd. and representatives from other dairy cooperatives.

In line with Government of India's digital India dream, NCDFI has created this android-based eMarket application to ensure transparent dealings. While launching the mobile application, Shri Rath said that the Govt. of India has visualized a digital India where farmer owned institutions are empowered with real-time information to be connected with



the markets. NCDFI has initiated e-portal 'NCDFI eMarket' for trading of dairy commodities. This online marketplace deals with bulk buying and selling of various products required by dairy cooperatives throughout the country.

Presently, products traded through the portal are dairy commodities, cattle feed ingredients, packaging materials,

edible oils, sugar, etc. The online marketplace deals with bulk buying and selling of various products required by dairy cooperatives throughout the country. The annual turnover of products traded is around ₹ 1,000 crore.

NCDFI is an apex body of dairy cooperatives with the objective to promote, coordinate, develop and facilitate the working of the dairy industry. Its members include federal dairy cooperatives of states and union territories.

NCDFI



eMarket

Food safety training ecosystem crosses one Lakh trained supervisor mark

THE TRAINING AND CAPACITY-BUILDING ECOSYSTEM for promoting food safety and hygiene in India has achieved an important milestone, crossing a mark of one lakh trained and certified supervisors through 3,500 training sessions conducted so far in the last 20 months since its inception in July 2017. This was confirmed by FSSAI.

The Food Safety Training and Certification (FoSTaC) is a programme initiated by FSSAI aimed at building capacities of food handlers across the food value chain, including micro, small, medium and large-scale enterprises in the food sector.

FoSTaC has created a ripple effect with a pan-India training network. It comprises 169 training partners and over 1,500 empanelled master trainers, who conduct training programmes across three levels of courses (basic, advanced and special) in a cascading model. With 17 courses across the levels, the FoSTaC training programme stipulates that food business operators (FBOs) are required to have at least one trained and certified food safety supervisor for every 25 food handlers, or a part thereof, in each of their premises. The FoSTaC programme runs through an online portal that manages all kinds of training programmes end-to-end through the effective delivery of the entire course module by trained subject matter experts in association with training partners empanelled with FSSAI.

Under the FoSTaC programme, over 80,000 people have been trained in the organised sector and almost 18,000 people in the unorganised sector, including street food vendors and self-help groups (SHGs), till date. Shri Pawan Kumar Agarwal, Chief Executive Officer, FSSAI, said, "FoSTaC has proved that food safety is a shared responsibility that aims to promote a culture of self-compliance in food businesses by making them more diligent towards food safety and hygiene in their premises through effective training and capacity-building of their own staff."

He added that the success of this initiative lies on the power of partnership between stakeholders across the value chain and convergence towards enabling than policing as licensing and enforcement alone does not ensure food is safe for consumption.

IDA is the training partner of FSSAI for imparting Food Safety Supervisor trainings and training of trainers. IDA has already begun FSS trainings at its headquarters and regional branches.



Madhya Pradesh Government Develops App for Monitoring Cow Healthcare

Cow care is going hi-tech in Madhya Pradesh. MP government is moving day-to-day cow-healthcare to an app that will link cow owners with animal husbandry officials and field teams. There are around 1,050 veterinary hospitals and 1,550 dispensaries staffed by 1,500 doctors and assistants, to take care of around 1.96 crore cattle.



It is said that all will be lined to the app through which the government will monitor all the plans and projects for cow protection. Apart from healthcare details, it will have real time information on how many stray cattle were rescued from streets and shifted to cow sheds. It will also help to cut down on absenteeism in the department and make

staff accountable.

The MP government has increased cows' care fund by five times, launched a statewide drive to build cow shelters and mulling a cess on luxury cars to fund its plan to build 1,000 cow sheds. The administration is looking for a way to monitor cows health round-the-clock to ensure they are well fed and get

regular health checkups. Once the app is in place, animal husbandry department official will feed real time information about day-to-day activities, which the authorities must verify. Similar app based health monitoring system of cows has also been launched by Haryana government.

KMF NANDINI BAND LAUNCHED IN PUNE

"Nandini" brand - the 2nd largest cooperative milk brand in India of Karnataka Co-operative Milk Producers Federation (KMF) is planning to enter in Maharashtra within several value added products, as a part of the Nandini milk and milk products entered Pune.

"Nandini" launched pasteurized milk, toned milk and long life buffalo milk with flexi packing in Pune city on 31st January 2019 in the presence of Shri Vivek V Patil, MLC Karnataka Legislative council and Chairman of Belgaum Milk Union Ltd. (BEMUL).

Plans are also underway to set up a processing centre in Pune. But this will be after the city crosses 50 lakh litre of milk consumption a day. KMF is looking to take the farmer cooperative society route to ensure earnings and livelihood for the dairy community.

AAVIN MILK AVAILABLE IN QATAR NOW

Milk produced by Tamil Nadu Co-operative Milk Producers' Federation Limited, under its brand 'Aavin' was introduced in Qatar's capital Doha by dairy development minister Shri K.T. Rajenthra Bhalaji, recently. It was earlier exported to Singapore and Hong Kong. Nearly 15,000 litres of milk, in tetra packs of one liter and lesser volumes, have been sent to Qatar in the first phase along with other products like ghee and flavoured milk.

Professor Beniwal takes over as Dean SGIDT, Bihar Animal Science University, Patna

Dr. Balbir Singh Beniwal was the Professor of Dairy Technology at Haryana Agricultural University, Hisar, since 1989. In September, 2010 he joined Delhi Milk Scheme on deputation basis for six years. Delhi Milk Scheme (DMS) had many active trade unions to hamper day to day activities of the organisation. DMS is the first large scale organised dairy in public sector. Many senior bureaucrats of the rank of additional secretary to Govt of India had headed it but there was no improvement in the state of affairs. The scheme was running into heavy losses for the last about 40 years and the total losses had accumulated to nearly 850 crores. When Dr. Beniwal took over as the General Manager of Delhi Milk Scheme, he was taken as a very soft target by the trade unions and the unruly staff. However, Dr. Beniwal proved to be a different type of General Manager. He nurtured the good employees and improved their skills through trainings. All the industrial, financial and government sectors were taken by surprise when in the year 2012-13 Delhi Milk Scheme showed a net profit of 5.32 crores. There was no looking back and for the next four years the organisation didn't seek any budgetary support from the Government of India. Due to its outstanding Operational and Financial Performance, Delhi Milk Scheme was chosen as Cover feature of the reputed Professional Journal 'Indian Dairyman' in June 2013 Issue. It wrote:

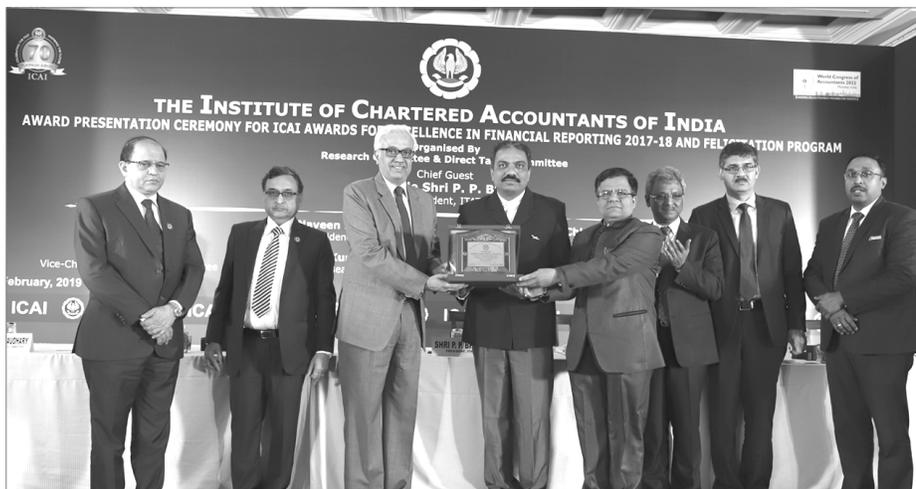
"This scheme which was running into losses for the last four decades has given surplus income to the state exchequer. This was a rare achievement by an organisation which was bound to work under a lot of rules and regulations but was able to perform outstandingly within the same set of rules. DMS showed that even under the government set up things can improve provided the right spirited people are there. It has set an example not only for the dairy industry but for all other government organisations as well."

Dr. Beniwal is a Life Member of Indian Dairy Association, member of the Executive Committee of IDA (North Zone) and Vice Chairman of Haryana State Chapter of IDA.

IDA wishes him a good future as the Dean of the College of Dairy Technology at Patna.

**Vidya Dairy, Anand awarded for Excellence in Financial Reporting**

VIDYA DAIRY, ANAND has been awarded by two distinguished organizations for excellence in financial reporting. South Asian Federation of Accountants (SAFA) adjudged Vidya Dairy as the recipient of 'Certificate of Merit' for



Best Presented Annual Report Awards for the year 2017 under the category Non Governmental Organisations (NGO) and another from Institute of Chartered Accountants of India for being winner of the “Plaque” under the same category for the year 2017-18.

On behalf of Vidya Dairy Shri Vipul J. Parmar, Sr. Manager (F&A) and Shri Jigar Patel, Sr. Executive (Marketing) received SAFA Award from Dr. Ashok Ramkrishna Joshi, Director & Professor, Indian Institute of Cost & Management Studies & Research, in presence of Dr. PVS Jagmohan Rao, SAFA President and other members of SAFA committee of SAARC countries at Pune on 22nd January 2019.

Cargill invests ₹140 crore to set up greenfield premix plant in Kota

CARGILL plans to invest \$20 million (₹140 crore) to set up a greenfield premix plant in Tathed village of Rajasthan's Kota District. The plans were shared at a meeting between the Cargill team, led by

Imre Havasi, managing director of the company's animal nutrition business in India, and senior officials of the Government of Rajasthan, including Mr. Subodh Agarwal, Additional Chief Secretary, Industries, and Mr. Gaurav Goyal, Commissioner, Investment and NRIs.

Cargill has strategically chosen the state of Rajasthan to build this state-of-the-art plant, and strives to partner in its growth by bringing its global expertise in food and agriculture production to the state, as it is one of the more progressive states in the country and offers a good business environment, availability of quality raw materials, required talent and a strong customer base.

The facility, which will be built on 15 acre of land, will feature a monthly manufacturing capacity of 7,500 tonne of animal nutrition products and supplements to serve customers in the state, the whole of north India and also export markets.

Cargill's proposed investment supports the development of the industry, farmers and communities in and around Kota. It will also help the animal



IDA (WZ) TO ORGANIZE NATIONAL SEMINAR CONCURRENT WITH IIDE 2019

3rd - 5th April, 2019

Bombay Convention & Exhibition Center (BCEC)

Mumbai

Two-day National Seminar on "Technological Developments in Dairy Industry" is being organized by IDA (West Zone) concurrent with India International Dairy Expo (IIDE 2019) at the Bombay Convention & Exhibition Center (BCEC), Mumbai.

For Exhibition, contact Ms. Vishakha Thosar, Koelnmesse YA Tradefair Pvt. Ltd.

Ph.: +91 22 28715201 Email: v.thosar@koelnmesse-india.com

For Seminar, contact Mr. Rajesh Lele, Secretary, IDA (WZ) on rajeshleleida@gmail.com

M.: +91-9820 136 987

Web: www.iideindia.com

NDRI GLOBAL ALUMNI SCIENTIFIC MEET 2019

15-17 March 2019

NDRI, Karnal

ICAR-NDRI will be hosting a Global Alumni Meet 2019 and a concurrent Scientific Conference to deliberate on global issues related to dairy science research and education.

For further details contact Organizing Secretary Dr. Gautam Kaul. Email: ngasm2019@gmail.com

Ph.: 91-0184-2259132, 2259133

Web: www.ngasm.org

3RD FIL-IDF SYMPOSIUM

3-6 June 2019

Montreal, Canada

International Dairy Federation (IDF) is organizing its 3rd symposium on "Microstructure of Dairy Products" at Montreal, Canada. For further information, interested members may visit www.fil-idf.org/events

husbandry sector, including livestock farmers, by generating over 150 jobs in the region, with both direct and indirect employment in the next three to five years.

Cargill Animal Nutrition is a global business unit within Cargill and represents an organisation of over 23,000 employees with 280 facilities in 40 countries, serving customers in over 100 countries.

In India, Cargill's animal nutrition business serves dairy, poultry, shrimp and fish farmers with value-added products and services in almost every state. Cargill sells its products under some of the best-known animal health and nutrition brands like Bestmin Gold, UTPP and G-promin.

"This investment is part of Cargill's \$240 million commitment made in November 2017 through a Memorandum of Understanding (MoU) with the Ministry of Food Processing Industries (MoFPI)," said Mr. Simon George, President, Cargill India.

Karnataka manufacturers laud NAFED's move to market organic products online

KARNATAKA ORGANIC FOOD PRODUCT MANUFACTURERS see that if marketing via online platforms is introduced, it would give a big fillip to the sector. But certification and the dynamic regulation framework can further bring in much-needed transparency to the e-commerce platform for trade.

The views have come in after the recent announcement by the National Agricultural Cooperative Marketing Federation of India's (NAFED) step to spur the marketing of organic products online.

Currently, most organic food product manufacturers, including 24 Mantra Organic, Pro Nature Organics, Phalada Organics, Mrittika Agro from Dakshina Kannada, Satwik Organics from Gadag and the Bengaluru-based Pristine Organics, sell their products via their own websites.

While Shri Sanjeev Chadha, Executive Director, NAFED, confirmed that it had got in-principle approval in this regard and that e-talks with the e-commerce sites have commenced. He added that the key objective was to market the organic products at inexpensive rates.

The manufacturers of organic food products levy exorbitant prices, stating that their cultivation of the produce is an expensive proposition. NAFED, in order to bring in the affordability factor, has devised a strategy to sell reasonable organic food products through e-commerce sites.



NAFED

INTERNATIONALnews

GEA to build the largest infant formula plant in China for Junlebao Dairy

GEA secured an order from the Shijiazhuang Junlebao Dairy Co. Ltd. in China to supply the country's largest spray dryer for the manufacture of infant milk formula (IMF), with a planned production capacity of six tons per hour. The project has already kicked-off, with commercial production scheduled in the second quarter of 2020.

Founded in 1995, Junlebao achieved sustained and rapid growth over the years and today is the largest dairy processing company in the Hebei Province and the fourth largest dairy processing company in China. Well known for its liquid milk products, e.g. yogurt, lactobacillus beverages and UHT milk, it entered the infant formula milk powder market in 2017. In 2016, GEA provided already the whole production line technology and plant for infant formula milk powder.

Dairy Products reduce risk of heart attacks, strokes and hypertension



“Drink your milk!” was our mother’s favourite instruction when we were young. Milk and dairy are believed and proven to be very important for a child’s mental and physical growth. It contains potassium, calcium, and vitamin D, which ensures better immunity, strength, and growth of the body.

According to a report published in *The Lancet* recently, it was revealed that adults who consumed two servings of dairy every day had fewer chances of experiencing a heart attack, stroke, or any heart disease. The study included 136000 people from around 21 countries.

Vitamin D prevents high blood pressure

Various studies point out that the deficiency of Vitamin D which has become an epidemic is one of the reasons for hypertension, diabetes, and other causes of heart attacks and strokes. Vitamin D which is abundant in dairy products is helpful in keeping the deficiency away and thus avoiding conditions like these that lead to cardiovascular problems.

Vitamin K avoids arterial calcification

Research shows that vitamin K2 helps to keep the calcium in the bones and out of the arteries. People who included vitamin K2 in their diet faced a 50% lower chance of arterial calcification. Found in dairy products like yoghurt, vitamin K2 is a great nutrient for the heart and keeps heart diseases at bay.

Good fats keep heart disease away

Good fats like monosaturated and unsaturated fats found in dairy products like cheese help in keeping heart attacks and strokes away. Obviously, an overdose of the same can be bad for your heart and your fitness, but a regulated amount of the fats can help in keeping your heart healthy.

Full-fat dairy does not cause heart diseases

According to a study published in *The American Journal of Clinical Nutrition*, the fact that full-fat dairy causes heart diseases is a myth. The study busted the age-long myth when it was discovered that any sort of dairy, including full-fat products, do not contribute to heart disease conditions.

Probiotics in fermented dairy are good for the heart

Fermented dairy like yoghurt, cheese, etc. contain probiotics or good bacteria that are good for your heart's health. A study conducted last year claimed that these products decrease the risk of heart diseases, strokes, and attacks.

Dairy consumption reduces heart attacks

It was recorded that dairy products consumption, including low fat and full-fat dairy, led to a reduction in heart attacks by 9%. In fact, substituting dairy for meats may fulfill the nutrient requirement of the body, but actually, increase the risk of an attack.

Kind Attention : IDA Institutional Members



IDA has established a Convention Centre for its Institutional Members at IDA House in New Delhi. Convention Centre aims to provide Institutional members with working space for various dairy and food projects. This will facilitate the members to coordinate their dairy development activities from New Delhi.

Space is now available in the Convention Centre.

Interested Institutional members may contact

Secretary (Establishment), Indian Dairy Association

Ph.: 011-26179780/26165237/26165355 Email: idahq@rediffmail.com