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18-19-20 JANUARY-2025, NASHIK



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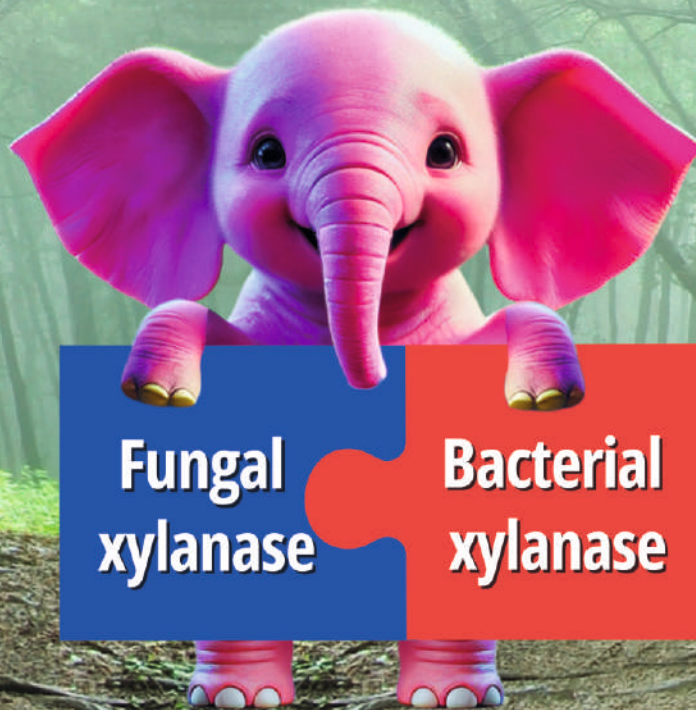




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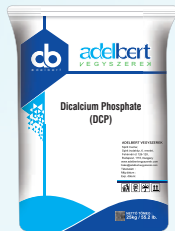
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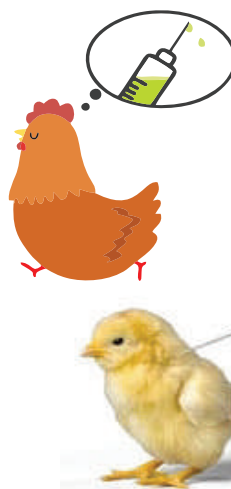
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Poultry Line dedicates February 2025 issue  
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## THE NASHIK EXPO!

The overwhelming support shown by the farmers and Poultry industry at the recent Nashik expo is commendable. Dr Ajay Deshpande, Chairman - Vets in Poultry commended the expo - as Nashik is the supply hub now meeting the demands of Delhi. The importance has grown tremendously.

Mr Uddhav Ahire, Chairman Anand Agro has raised many welfare issues to highlight to the government about due attention and support needed by the government authorities.

The recent budget also does not specifically address Poultry related woes at the policy makers and Finance minister level - which needs to be addressed. Nashik gets in limelight showcasing through Mr B.V. Shivshankar's efforts of organizing such a platform to bring to light all these issues!

Quality of visitors from the industry was very high. Organising such events against several odds is no small achievement- Not by this organizer but also the participants, exhibitors, and all. It is despite the challenges, that in the common interest the like-minded gather for a higher cause- that is highly commendable!

Canada's own committee has now confirmed that there is no involvement of the Indian government in the killing of Nijjar. The defeated and outgoing ex-Prime Minister Mr. Justin Trudeau is now further humiliated by his own people, for having made it a big issue in the past years bringing down his own credibility. The false accusations of Indian Agencies are now defunct, and the truth is in open. The sense of political judgment has miserably failed in this case.

Indian ISRO manages to break World record by its 100th successful launch. India has become a Space power to reckon with.

The advanced Vande Bharat train services are also making good progress with connections from Delhi to Kashmir. In defence the trains are also capable of launching missiles which makes it a formidable force to reckon with. India gets more powerful in its military might by the day.

The President Donald Trump's return to office have extremes of mixed responses and results. Many migrants that have not followed the rules will be deported to India - it is not a friendly gesture but at the same time it is not a targeted decision of the USA.

The political uncertainty may come to an end soon in Bangladesh with certain strong decisions that influence Bangladesh. A settlement in Russia Ukraine is also fondly expected. The extreme policy change in USA will change the world political order and alliances soon. Maybe Ukraine and Russia may look to ending the war. Hamas has started returning a few hostages of Israel. This is a good start towards ending this crisis.

The USA has already announced the suspending of aid to Bangladesh and Pakistan. Bangladesh is also under pressure to turn down its aggressive behaviour towards its own people in the political turmoil.

The Mahakumbh has already attracted millions of devotees converging at Prayagraj to take a holy dip in the Triveni Sangam. It is estimated about 500 million people will visit by the end of this month. This is again a no small achievement by any standards.



## NOVUS shares findings on U.S. Soybean meal quality at IPPE 2025

CHESTERFIELD, MO (January 13, 2025) – Novus International, Inc., the leader in intelligent nutrition, is sharing its analysis of soybean meal quality in the United States and research on copper sources in broilers during the International Poultry Scientific Forum (IPSF), held in conjunction with the International Production and Processing Expo (IPPE).

IPSF will occur on January 27-28, 2025 at the Georgia World Congress Center in Atlanta, Georgia.

### Soybean meal scrutiny

“Soybeans are the primary source of protein and amino acids in poultry diets. The quality of soybean meal is extremely important to the industry. NOVUS has been studying soybean meal quality for years with this new analysis looking at the activity of trypsin inhibitors in soybean meal produced in the U.S.,” says Mark Moran, NOVUS commercial director for North America.

Trypsin inhibitor (TI) is an anti-nutritional factor found in soybean meal that can affect amino acid digestibility, ultimately impacting broiler performance.

“We’ve been using Near-Infrared Spectroscopy (NIR) technology for years to better understand the level of TI activity in soybean meal from around the world,” says Frances Yan, Ph.D., senior manager of global poultry research at NOVUS. “This study looks at samples from the U.S. from 2021-2024 to get a clearer picture of what poultry producers are feeding their broilers.”

Yan says by understanding the quality of soybean meal, producers and nutritionists can take action to minimize the impact of TI

with feed additives like CIBENZA® Enzyme Feed Additive from NOVUS.

“We know broiler producers want to get the most out of their birds. To do that, they need to get the most from the feed,” Yan says. “Soybean meal analysis is something we offer our customers that makes a difference in achieving precision feeding and improving production efficiency.”

Yan will present her poster titled Evaluation of trypsin inhibitor activity in 2021-2024 United States soybean meal from 4:00-6:00 p.m. EST on Monday, January 27.

### Swapping copper sources

Yan will also present new research on copper sources and their effect on broilers during IPSF.

Broiler producers supplement birds with copper to support structural integrity, energy efficiency, central nerve system, antioxidant balance, immune responses and many other vital functions.

“The most common copper source used in the U.S. poultry industry is inorganic tribasic copper chloride (TBCC) supplemented at high levels despite the industry recognizing that organic sources are better absorbed and more readily available in the birds,” says Moran. “With broiler producers and nutritionists wanting to get more from feed, and growing concerns from consumers about the environmental impact of animal agriculture, understanding how we can optimize copper source and levels in feed to drive performance is crucial to making the right choice for their operation.”

Yan will present a meta-analysis of six studies comparing feed conversion ratio, body weight,

feed intake, and mortality in broilers fed inorganic TBCC at 125 ppm or organic source copper hydroxy analogue of methionine as MINTREX® Cu Bis-Chelated Trace Mineral fed at 30 ppm. The majority of the trials were also challenged with Eimeria and/or C. perfringens.

“The research shows with consistency that 30 ppm of MINTREX® Cu can replace 125 ppm TBCC in broiler diets and achieve the same growth performance,” Yan says. “The clear insights we gain from the study support an evidence-based recommendation; we show that MINTREX® Cu can effectively replace high supplementation of inorganic copper even in a pathogen-challenged flock”.

Yan’s oral presentation of A meta-analysis of copper source and level effects on growth performance of broiler chickens will take place from 11:30-11:45 a.m. EST on Monday,

January 27.

Registration is required to attend IPSF and can be purchased at [ippexpo.org/education-programs/IPSF/](http://ippexpo.org/education-programs/IPSF/).

Those wanting to know more about these studies can speak with poultry experts at the NOVUS booth at IPPE, located in Hall A, Booth 1833 during the expo on January 28-30.

NOVUS provides solutions for the global animal agriculture industry. The company has experts around the world to provide guidance to poultry, pork and dairy producers. The NOVUS portfolio includes bis-chelated organic trace minerals, enzymes, organic acids, eubiotics, liquid and dry sources of methionine. For more information on how NOVUS is supporting the poultry industry, visit [novusint.com](http://novusint.com).

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### His areas of expertise include:

- Commercial Layer Management.
- Commercial Broiler Management
- Nutrition (Feed Formulations).
- Breeder Management.
- Sales & Marketing of Day-Old commercial Layer chicks, Broiler chicks & Poultry Feed.
- Sales & Marketing of Broiler Breeder.
- Integration.
- Training to Field staff.
- Field Trial of Drugs & Feed additives.
- Speaker in Technical Seminars.

He can be Contacted at:- **Dr. Manoj Shukla**

A-1, Gaytri Nagar, Phase-II, P.O. Shankar Nagar, Raipur, Chhattisgarh-492007

Mob.No : 09644233397, 07746013700, Res. 0771-4270230

Email : [drmanu69@gmail.com](mailto:drmanu69@gmail.com)

**As a strategic partner, Poultry Line wishes Dr. Shukla every success in his new assignment**



## Insect Meal: Alternate Animal Protein Source in Poultry Feed



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2. SMS, Animal Nutrition, Parbhani Veterinary College, Parbhani, MAFSU
3. Assistant Professor, AGB Division, GADVASU, Ludhiana
4. Senior Scientist & Head, KVK Samba, SKUAST-J
5. Director Extension, SKUAST-J

### Introduction:

In poultry production, the supply of essential amino acids to grow rapidly in a short period of time is the important factor. Soyabean meal based diets is the major protein source of the diet; and supplied together with fish meal cover all amino acid deficiency from vegetable proteins. The production of soyabean is associated with deforestation, soil erosion, eutrofication, extensive use of pesticides, loss of biodiversity and a huge CO<sub>2</sub> footprint. In recent years, the increasing price of soyabean has become a serious aspect for the economic sustainability of the poultry meat industry. The fish meal production is based on fish cultivated in aquaculture or marine fish species. Marine fish can be regarded as a limited resource due to problems with over-fishing and environmental pollution. This is proofed by drastic increase of the market price for fishmeal during the last ten years, which has given rise to the demand for a new and more sustainable protein source. The livestock production will have doubled by 2050 and therefore, to meet the future requirements for protein; new protein sources need to be search.

Protein is the second most component in poultry diets. Poultry ration required protein rich feed but due to scarcity of protein rich ingredient and expensive nature; poultry has scantiness of protein rich diet. Soyabean seed is the foremost protein sources followed by fishmeal which is used by poultry industry. Soyabean seeds are rarely used rather the residue after oil extraction i.e. soyabean meal is usually fed to poultry. The price of soyabean based meal is high due to limited number of production and high demand. It is also fluctuate with changes in climatic condition. Similarly, fishmeal is based on fish cultivated in aquaculture or marine fish. Due to overgrowing poultry population and scarce conventional protein sources, it is need of the hour to shift the focus towards identifying alternative protein sources.

What is Entomophagy:

The consumption of insects is also called

entomophagy which is traditionally practiced by more than two billion people worldwide. Around 524 insect species are estimated to be consumed in Africa, 349 in Asia, 679 in the America, 152 in Australia and 41 in Europe. Mexico has highest number of insect species that are documented as edible, followed by Thailand, Congo, India, Australia, China and Zambia. Insects constitute about 75% of the total organisms present on earth. The insects could be divided into orders such as Diptera (black soldier fly, house fly), Coleoptera (meal worms), Megadrilacea (earthworm), Lepidoptera (silk worm and cirina forda) and Orthoptera (grasshoppers, locust and crickets). Generally, insects are satisfactory sources of nutrients such as protein, fat, energy, vitamins and minerals.

Insect protein is one of the very appropriate alternate protein sources that can be explored and brought in usage for poultry industry. Insect is used as alternative protein source for poultry industries. Insects are either fed as a whole or processed such as a powdery form or either fed as fresh or dried. Insect meal is being a great startup for entrepreneurs where protein and fats is extracted from insects and processed. Nutrition composition of insects depends on growth, environmental growing conditions as well as the life stages of insect. Methionine content of house fly larvae grown in poultry stools, it was found to be higher than that grown in various vegetable residues. Protein level in insect meal varies between 55-75%. Feed incorporation rates in broiler feed is ranges between 5-40%. Maggot contains higher quantity of lysine, arginine and valine. Maggots either fresh or dried could entirely or partially replace conventional protein ingredients such as fish meal or ground nut cake.

House fly (*Musca domestica*) are rich in calcium and phosphorus i.e. 5-8% and 0.6-1.5% respectively. In meal worm larvae (*Tene brimolitor*), methionine and lysine content were not adequate for boilers, but all other essential amino acids were in enough quantity for grown of broiler. Insects are suggested as an alternative protein source in poultry feed, due to similar fat and protein content to that of soyabean

based meal or fish meal. A shift from conventional protein sources such as soyabean based diet and fish meal diet towards insects meals might result in a more efficient use of natural resources and lower emissions of greenhouse gases as well as limiting eutrophication of water environments (loss of nutrients). Due to the above reason, the potential of insect protein in poultry diets has attracted much attention.

Chickens with access to outdoor areas pick up insects at all life stages and eat them voluntarily, which indicates that they are evolutionary adapted to insects as a natural part of their diet. Therefore, it seems reasonable to consider the inclusion of insect proteins as raw material to be used in commercial feed manufacturing and to develop intensive farming systems for insects.

- o Earth worm (Lumbricina): adding 0.4 % Earthworm meal to the broiler diets improved the feed intake, broiler weight and also increased the digestibility of nutrients.

- o Grasshopper (Caelifera): Harvesting these insects could reduce the use of hazardous chemicals to control pest. Thus, it is economical and sustainable protein source in developing countries.

- o Desert Locust (*Schistocerca gregaria*): The gregaripus pest creates havoc for agriculture. It is palatable and moreover it is reported that partial substitution of fish meal with locust meal is suitable.

Insect protein in poultry production:

The result showed that house fly larvae can be added at approximate dietary levels of 25% without any negative effect on weight gain, feed intake and feed efficiency. Maggot meal can efficiently replace other protein sources i.e. soyabean meal, fish meal, ground nut cake. The metabolizable energy (ME) of maggot meal is 4275Kcal/kg DM for turkey poultry and 3391 Kcal/kg DM for broilers. The ME values vary considerably due to variations in fat and fibre/chitin content of maggot meal. Protein digestible value is 91-95%. Feeding maggot meal at the expense of fish meal at dietary concentrations of 16% to young pullets in the period from 1-56 days did not negatively influence growth and feed intake of the birds. The feeding of Black Soldier fly larvae as a substitute for soyabean with similar weight gain and improved feed conversion ratio. High concentration of chitin is present in the exoskeleton of insects influence negatively and interference with the use of protein. Although chicken have been shown to produce chitinous in the proventriculus

and hepatocytes the digestibility of the chitin seen to be limited particularly young birds. Whether, chitin may be a substrate for microbial fermentation and therefore may have a positive effect on microbial balance in the gastro-intestinal tract.

Insect production:

Black soldier fly (BSF) (*Hermetica illucens*) and the common house fly (*Musca domestica*) are two insects species mainly being investigated. The flies are bred, egg laid and larvae hatch all under controlled conditions at around 30°C. The larvae are thin fed until they reach a suitable size (in the case of BSF, they reach two centimeters in two weeks). BSF can be reared on variety of food or animal waste, the house fly is usually fed on manure or abattoir waste. Insects have impressive life cycles, a female house fly lays 750 eggs a week and the larvae increase in weight over 400 times in just few days and BSF can develop from egg to adult in 38 days. In large scale facilities, the larvae are harvested then cooked and or dried before being turned into a meal. In terms of fees conversion, insects are highly efficient.

Commercialization of insects for Feed:

Innovation in mass rearing systems is taking place in many countries. China already produces insects for use in aquaculture. In Western Europe, insects are reared for pets and zoo animal as well as for fishing bait. In developing countries, small scale businesses already produce insects to be sold as poultry feed. In India, there is vast scope for production of commercialized insect meal to fulfill the demand of animal protein for poultry industry.

Intensive Insect Production:

Considering insects as a new six leg livestock, the prerequisite for any commercial production is knowledge on optimal housing conditions (temperature, humidity and ventilation) and feeding regarding feed composition and structure. Further, it is important to gain knowledge about insect diseases and bio-security standards for production form. Insect can be produced in 3D dimension systems, which allows very effective usages of the buildings. Taking the life cycle and growth rate of insects and consideration the most effective are larvae. It is for instance possible to produce more than 180 kg of live weight of black soldier fly larvae in 42 day from 1m<sup>2</sup> whereas only 30 kg of adult crickets can be produced on the same area. Insects are capable to utilize some poor quality raw materials as by products from food industry for example apple or potato pulp. The growth rate as well as feed utilization is highly



dependent on temperature changes. For insect meal worm, optimal rearing temperature is 28°C but they easily survive -15°C for 48 hours. However, under high humidity conditions (>70%), they die very quickly.

Barriers for the inclusion of insect protein in protein feed:

At the moments, a significant obstacle for the use of insects is in particular shortcoming in breeding which does not guarantee a constant supply. The prices for insects and insect meals are presently very high and can not compete with other protein sources in this respect. This problem can overcome by the identification of most suitable insect species giving rise to cost efficient protein production at an industrial scale is a pre requisite. For mass production, it is necessary to develop automated process technologies for the farm rearing harvest and post harvest procedures which certainly include the monitoring of products safety and quality. However, by using this may perceived benefit such as improved sustainability of livestock production, lower dependence on imported protein sources and lower environmental impact. It may cause supposed risk such as microbiological contamination, chemical residues in the food chain and lower consumer acceptance of animal products. Another important issue of insect production is farm security. Due to size and activity of invertebrates; a very efficient control of the building has to be applied. For instance, the usage of plastic nets is effective in the production of black soldiers flies but not in cockroach or cricket rearing. The other species can easily force most plastic materials. Aluminium or copper nets may also be used. Insects farming should be considered as “all in all out system” with a separate hatching brooding area.

Conclusion:

There is no doubt that insect meals from a nutritional point of view are suitable for feeding of poultry. Insects as a viable animal feed resource and have been receiving increasing recognition due to their high energy and protein content. Due to high nutritive value, insects are potential sustainable feed resources in poultry nutrition. No negative effects have been reported on growth of insect meal fed chicks. Most of the papers have describe similar or even better growth rates in chicks when compared to soyabean based meal or SBM + Fish meal. Insect meal as a feed component not only improves livelihood of small farmers. Inclusion of insect meals in poultry diets may lower the cost of feeds, and thus resulting to more profit for small holder poultry production.

Table 1. Nutrient composition of different Insect meal

Insect	Availability	CP %	CF %	Ash %
House fly ( <i>Musca domestica</i> )	Grown on poultry, cattle manure and can be reared on municipal organic waste	64	3-10	5-11
Black Soldier ( <i>Hermetia illucens</i> )	Naturally found in poultry, cattle manure but can be reared on organic waste	41-44	7	15-28
Meal worm larvae ( <i>Tenebrio molitor</i> )	Can be grown on dried and cooked waste material	45-60	5-8.8	3-4.5
Earth worm ( <i>Lumbricina</i> )	Naturally feed source for poultry kept under free range system	63	2	9
Grasshopper ( <i>Caelyfera</i> )	Can be harvested from their habitats such as croplands, grasslands, wetlands	62-67	7-9	1
Desert Locust ( <i>Schistocerca gregaria</i> )	Can be harvested on organic waste	52	19	10

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05

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06

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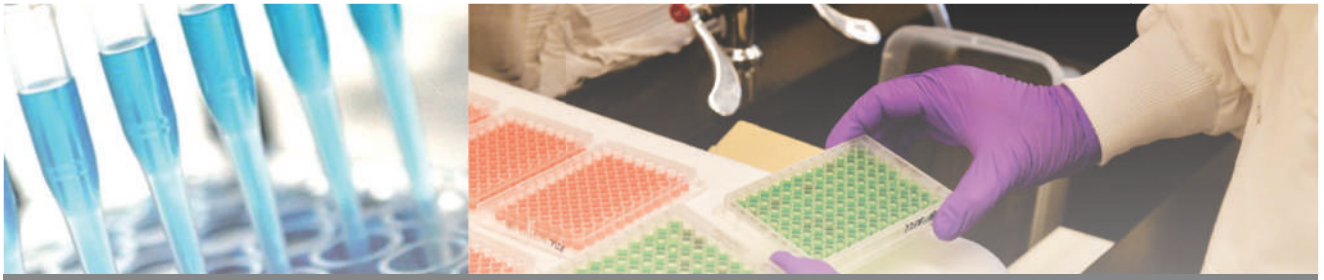
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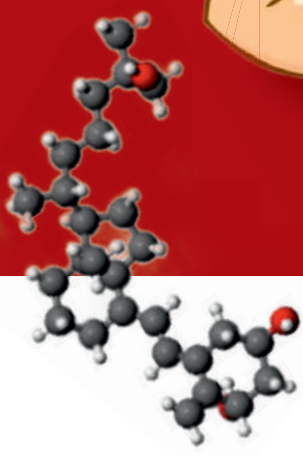
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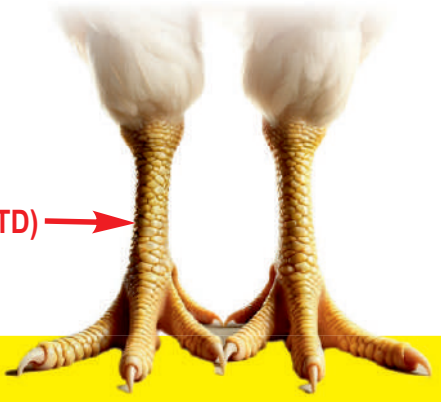


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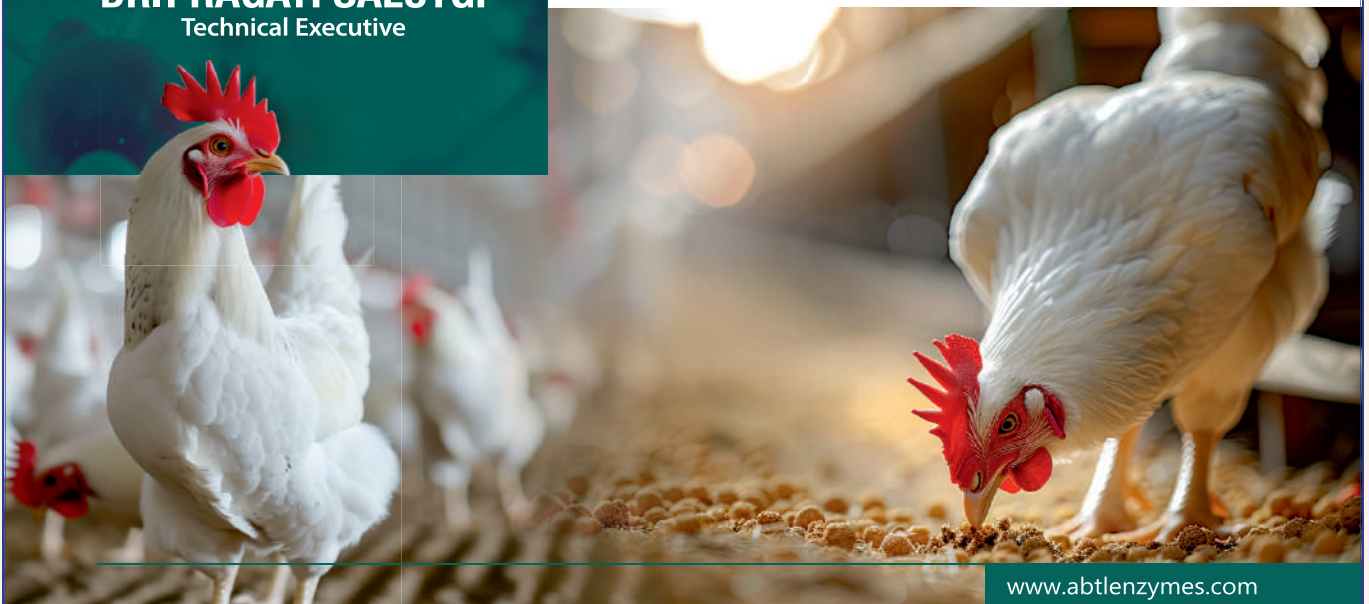
## LEVELLING UP- VALUE CHAIN DRIVING INCLUSIVE GROWTH IN POULTRY INDUSTRY

The poultry industry is one of the fastest-growing sectors in global agriculture, providing a critical source of protein through meat and eggs. Beyond its contribution to food security, the poultry value chain serves as a significant driver of economic development, offering opportunities for inclusive growth across rural and urban communities. By leveraging its multi-faceted value chain, the industry can address social, economic, and environmental challenges while fostering equitable development.

### Understanding the Poultry Value Chain

The concepts of supply chain and value chain are interrelated, as they both focus on the processes that transform raw materials into finished products and services. However, their perspectives differ, and understanding the correlation between the two can enhance business efficiency and value creation.

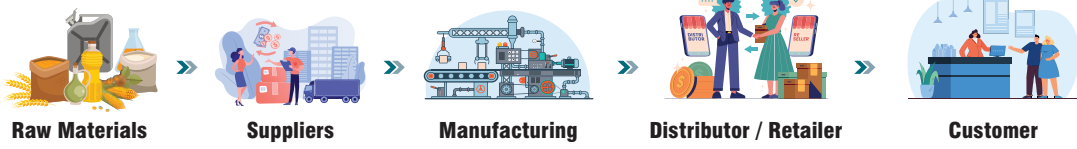
The supply chain and value chain are interconnected frameworks that complement each other. While the supply chain ensures the smooth flow of goods and services, the value chain ensures each step contributes to customer value and competitive advantage. Businesses that harmonize these concepts can achieve sustainable growth, >>



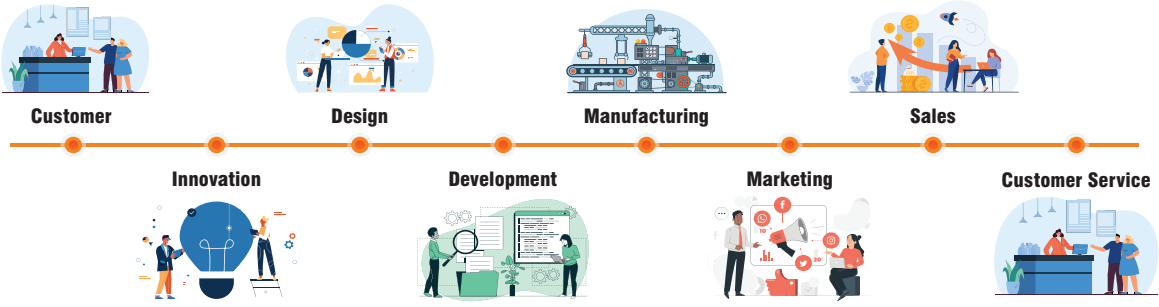


## Value Chains vs Supply Chains

### S U P P L Y C H A I N S



## Value Supply Chains



operational efficiency, and enhanced customer satisfaction. The poultry industry has historically worked towards building a robust supply chain and in part succeeded in doing so. Now, what remains to be explored and captured are strategies and implementation to establish a robust value chain for the poultry industry to thrive.

The relationship or link between/among key variables that reflects reality includes only the key variables that are influential and have an impact on the outcome.

Meanwhile, simulation model starts from the "Broiler Chicks Lookup" variable where policy maker/farmers decide how many breeders can be reared in their whole process as a flock. All square boxes denotes level variable which plays an important role in the poultry supply chain



### BY ALIGNING THE SUPPLY CHAIN AND VALUE CHAIN:

1. Businesses can deliver high-quality products efficiently and cost-effectively.
2. They can address consumer demands while optimizing resource use and profitability.
3. It fosters an integrated approach where operational processes (supply chain) and customer-focused strategies (value chain) work in tandem.

The methodology includes two models: (i) a two-stage stochastic model that supports lot-sizing and inventory management decisions while considering scenarios of chicken growth uncertainty; and (ii) a mixed-integer linear programming model that supports lot allocation. The results of implementing the methodology in a poultry company farm improved costs by 8.6% while meeting tactical, biological, and biosecurity constraints.



## THE ROLE OF THE POULTRY VALUE CHAIN IN INCLUSIVE GROWTH

### 1. Job Creation and Livelihoods

The poultry industry is labor-intensive, creating employment at every stage of the value chain. For instance:

- Small-scale farmers can participate in rearing birds or producing feed ingredients.
- Women and youth often find opportunities in backyard poultry farming, egg collection, and retail.
- Skilled jobs arise in areas such as veterinary services, feed production, and processing.

### 2. Empowerment of Marginalized Groups

The low entry barriers in poultry farming enable participation by marginalized groups, particularly in rural areas. Programs aimed at supporting women and smallholder farmers with microfinance, training, and access to markets have been shown to uplift communities economically and socially.



### 3. Food Security and Nutrition

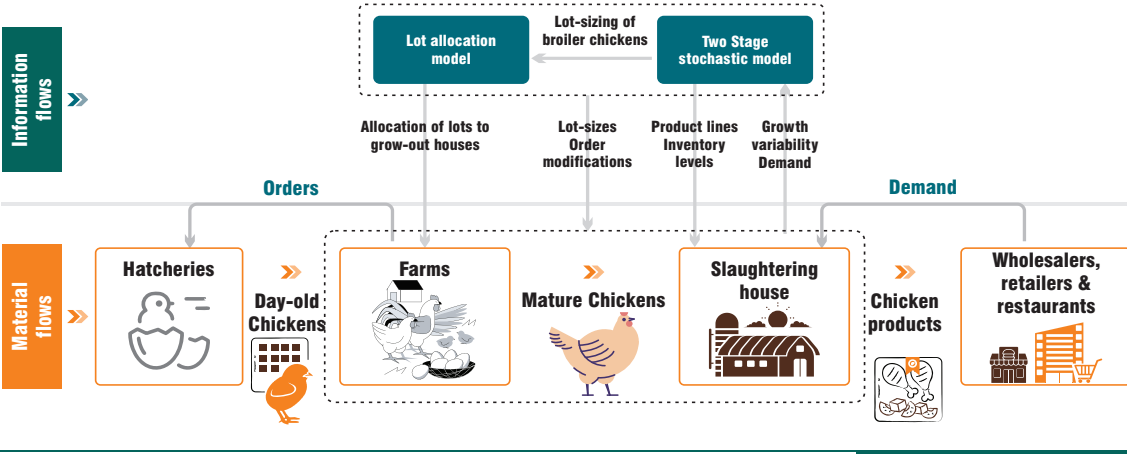
Poultry products provide an affordable source of high-quality protein. Strengthening the value chain ensures consistent supply, enhances affordability, and contributes to the nutritional well-being of vulnerable populations. Poultry is rich in high-quality protein, vitamins (like B12), and minerals (like iron and zinc), which are critical for muscle growth, immune function, and overall health. Eggs are an excellent source of protein (about 6 grams per egg), along with essential nutrients such as vitamins A, D, B12, and folic acid, which support cognitive development, immune function, and general well-being. Poultry meat and eggs are particularly important in combating protein-energy malnutrition (PE M), especially in vulnerable groups like children and pregnant women.

### 4. Market Integration and Rural Development

By linking rural producers with urban markets and export opportunities, the poultry value chain bridges the urban-rural divide. Value chain interventions, such as cooperatives and farmer organizations, facilitate collective bargaining, reduce transaction costs, and ensure better prices for smallholders.

### 5. Economic Growth and Export Potential

Poultry is a significant contributor to agricultural GDP in many countries. Investments in advanced processing facilities and compliance with international standards can enhance export potential, bringing foreign exchange earnings and economic stability.



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### STRATEGIES FOR STRENGTHENING THE VALUE CHAIN

To maximize the poultry value chain's contribution to inclusive growth, stakeholders must address these challenges through coordinated efforts:

- 1. Capacity Building:** Training programs on modern farming techniques, biosecurity, and financial literacy can empower farmers and improve productivity.
- 2. Access to Finance:** Tailored credit schemes and microfinance can help small-scale producers invest in better inputs and infrastructure.
- 3. Policy Support:** Governments should provide supportive policies, including subsidies for feed and vaccines, and promote fair trade practices.
- 4. Public-Private Partnerships (PPPs):** Collaborations between governments, private companies, and non-governmental organizations can facilitate investment in critical infrastructure and technology.
- 5. Market Linkages:** Digital platforms and farmer cooperatives can improve market access and reduce dependency on intermediaries.
- 6. Social Mapping:** Social mapping of meat consumption in India reveals significant variation across rural, semi-urban, and urban populations due to cultural, economic, and geographic factors. The consumption of meat is higher in urban areas but is growing in semi-urban and rural regions due to economic growth, improved disposable income and changing dietary preferences.

*The supply chain and value chain are interconnected frameworks that complement each other. While the supply chain ensures the smooth flow of goods and services, the value chain ensures each step contributes to customer value and competitive advantage. Businesses that harmonize these concepts can achieve sustainable growth, operational efficiency, and enhanced customer satisfaction.*

- 7. Changing market dynamics:** Various studies published by agencies like- KPMG's Report on Indian Poultry Industry, Behavioral Shifts in Food Choices (International Journal of Consumer Studies, 2019), Euromonitor collectively demonstrate that the changing food habits in India—marked by a preference for packaged chicken and eggs—are influenced by a combination of urbanization, rising incomes, health consciousness, convenience, and concerns over food safety. The shift reflects broader social, economic, and cultural transformations, as consumers in India increasingly seek standardized, branded, and hygienic products that align with modern lifestyles. It is to be noted, that these changes need to be factored in while developing value chain that suits the current notion and trends of the market.

In sum, developing an inclusive and resilient poultry value chain is not only an economic necessity but also a social imperative. It aligns with the goals of nutritional security, economic empowerment, and sustainability, all while responding to the broader trends in food consumption.

## **Frances Yan, Ph.D.**

Senior Manager, Global Poultry Research

Poultry is the top source of animal protein in the world and Dr. Frances Yan leads the way in finding new methods to support bird health. Working with NOVUS R&D and Technical Services teams and research partners around the world, Dr. Yan helps determine the efficacy and value of existing solutions as well as evaluates and spearheads developing innovations that support NOVUS customers.



Originally from China, Dr. Yan has supported a variety of poultry nutrition research accumulating broad knowledge and expertise in feed enzyme application, gut health intervention with alternatives to antibiotic growth promoters, along with amino acid and trace mineral nutrition.

Dr. Yan received her bachelor's degree in animal science and technology from Northeast Agricultural University (China), and a master's degree in poultry nutrition from China Agricultural University. She earned a master's degree in statistics and her doctorate in poultry nutrition at the University of Arkansas (U.S.).

She is a long-time member of the Poultry Science Association and the World's Poultry Science Association. She also serves as a reviewer of the Poultry Science and Journal of Applied Poultry Research.

Dr. Yan speaks Chinese and English.

### **Areas of Expertise**

- Poultry Nutrition
- Gut Health Solutions
- Trace Mineral Nutrition
- Feed Enzymes



**FOR IMMEDIATE RELEASE**

**CONTACT:** [Elizabeth.Davis@NovusInt.com](mailto:Elizabeth.Davis@NovusInt.com)

## **NOVUS shares findings on U.S. soybean meal quality at IPPE 2025**

**CHESTERFIELD, MO** (January 13, 2025) – Novus International, Inc., the leader in intelligent nutrition, is sharing its analysis of soybean meal quality in the United States and research on copper sources in broilers during the International Poultry Scientific Forum (IPSF), held in conjunction with [the International Production and Processing Expo](#) (IPPE).

IPSF will occur on January 27-28, 2025 at the Georgia World Congress Center in Atlanta, Georgia.

### **Soybean meal scrutiny**

“Soybeans are the primary source of protein and amino acids in poultry diets. The quality of soybean meal is extremely important to the industry. NOVUS has been studying soybean meal quality for years with this new analysis looking at the activity of trypsin inhibitors in soybean meal produced in the U.S.,” says Mark Moran, NOVUS commercial director for North America.

Trypsin inhibitor (TI) is an anti-nutritional factor found in soybean meal that can affect amino acid digestibility, ultimately impacting broiler performance.

“We’ve been using Near-Infrared Spectroscopy (NIR) technology for years to better understand the level of TI activity in soybean meal from around the world,” says Frances Yan, Ph.D., senior manager of global poultry research at NOVUS. “This study looks at samples from the U.S. from 2021-2024 to get a clearer picture of what poultry producers are feeding their broilers.”

Yan says by understanding the quality of soybean meal, producers and nutritionists can take action to minimize the impact of TI with feed additives like CIBENZA® Enzyme Feed Additive from NOVUS.

“We know broiler producers want to get the most out of their birds. To do that, they need to get the most from the feed,” Yan says. “Soybean meal analysis is something we offer our customers that makes a difference in achieving precision feeding and improving production efficiency.”

Yan will present her poster titled **Evaluation of trypsin inhibitor activity in 2021-2024 United States soybean meal** from 4:00-6:00 p.m. EST on Monday, January 27.

### Swapping copper sources

Yan will also present new research on copper sources and their effect on broilers during IPSF.

Broiler producers supplement birds with copper to support structural integrity, energy efficiency, central nerve system, antioxidant balance, immune responses and many other vital functions.

“The most common copper source used in the U.S. poultry industry is inorganic tribasic copper chloride (TBCC) supplemented at high levels despite the industry recognizing that organic sources are better absorbed and more readily available in the birds,” says Moran. “With broiler producers and nutritionists wanting to get more from feed, and growing concerns from consumers about the environmental impact of animal agriculture, understanding how we can optimize copper source and levels in feed to drive performance is crucial to making the right choice for their operation.”

Yan will present a meta-analysis of six studies comparing feed conversion ratio, body weight, feed intake, and mortality in broilers fed inorganic TBCC at 125 ppm or organic source copper hydroxy analogue of methionine as MINTREX® Cu Bis-Chelated Trace Mineral fed at 30



ppm. The majority of the trials were also challenged with *Eimeria* and/or *C. perfringens*.

“The research shows with consistency that 30 ppm of MINTREX® Cu can replace 125 ppm TBCC in broiler diets and achieve the same growth performance,” Yan says. “The clear insights we gain from the study support an evidence-based recommendation; we show that MINTREX® Cu can effectively replace high supplementation of inorganic copper even in a pathogen-challenged flock”.

Yan’s oral presentation of **A meta-analysis of copper source and level effects on growth performance of broiler chickens** will take place from 11:30-11:45 a.m. EST on Monday, January 27.

Registration is required to attend IPSF and can be purchased at [ippexpo.org/education-programs/IPSF/](http://ippexpo.org/education-programs/IPSF/).

Those wanting to know more about these studies can speak with poultry experts at the NOVUS booth at IPPE, located in Hall A, Booth 1833 during the expo on January 28-30.

NOVUS provides solutions for the global animal agriculture industry. The company has experts around the world to provide guidance to poultry, pork and dairy producers. The NOVUS portfolio includes bis-chelated organic trace minerals, enzymes, organic acids, eubiotics, liquid and dry sources of methionine. For more information on how NOVUS is supporting the poultry industry, visit [novusint.com](http://novusint.com).

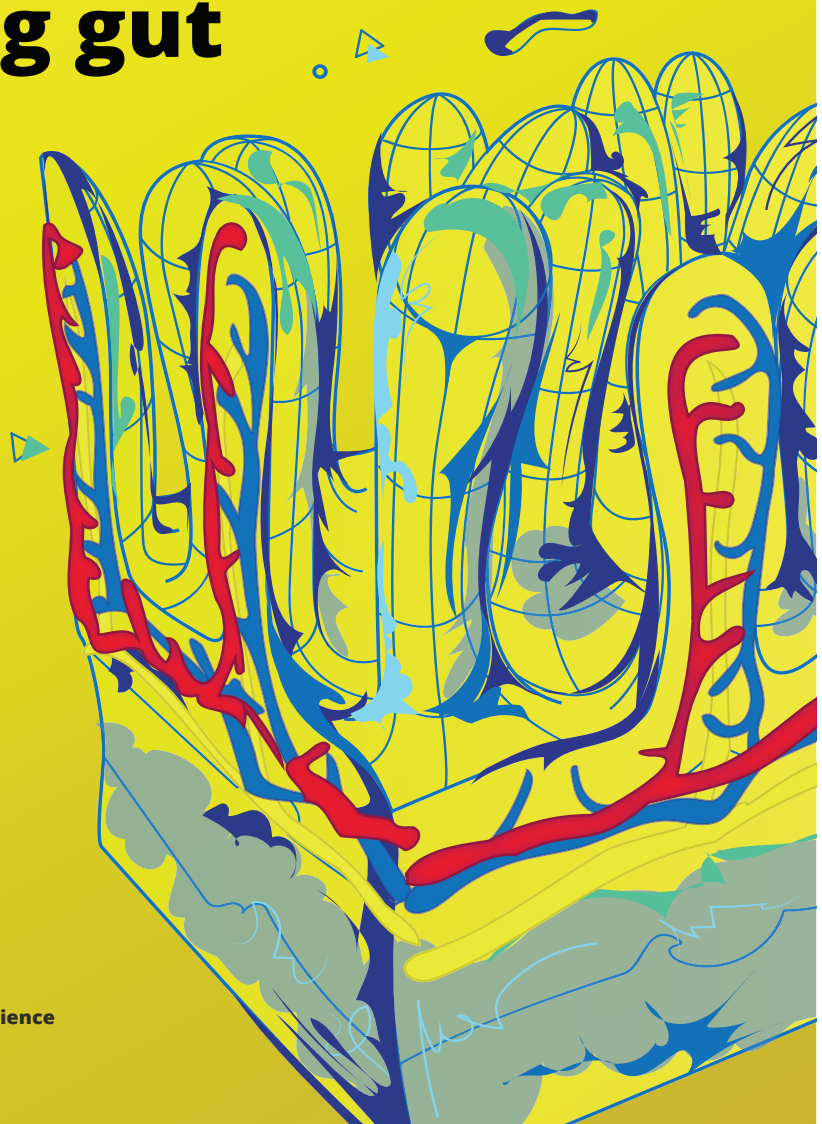
###

Novus International, Inc. is the intelligent nutrition company. We combine global scientific research with local insights to develop innovative, advanced technology to help protein producers around the world achieve better results. Novus is privately owned by Mitsui & Co., Ltd. and Nippon Soda Co., Ltd. Headquartered in Chesterfield, Missouri, U.S.A. [novusint.com](http://novusint.com).



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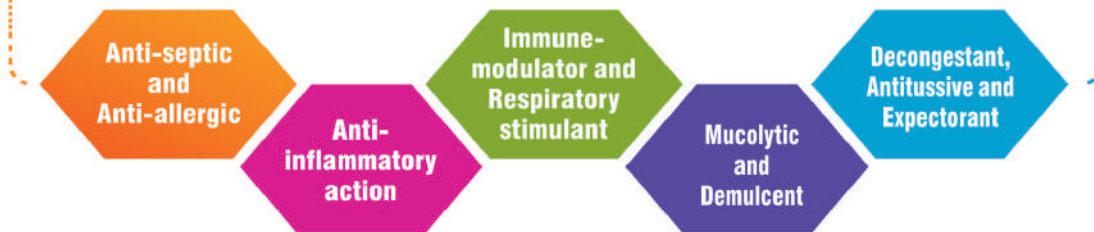
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## Two decade wait set to end with the Introduction of “VENGEM” LPAI (H9N2 Vaccine by Ventri Biologicals Pvt. Ltd. for the first time in India.



Infections of low pathogenic avian influenza virus (H9N2 subtype) cause huge economic losses to the poultry farmers/industry in India due to reduced egg production (up to 50%), respiratory illness and mortality. In India, infections with H9N2 virus in poultry have been reported since 2003 and is widely prevalent and endemic. However, no vaccine was available so far against the circulating H9N2 viruses in India which belong to G1-W lineage. Although commercial vaccines are available abroad, antigenic divergence between the vaccine strain and the currently circulating field strains in India may result in poor antigenic coverage leading to the vaccine failure. As protection provided by imported vaccine against the strains circulating in India is uncertain, there is a pressing need of an indigenously developed vaccine which can provide protection against the circulating H9N2 virus strains in India. This was followed by the Government of India's new vaccine policy in August 2022. Based on the consultations with the experts and requests from the stakeholders, the Department of Animal Husbandry and Dairying agreed to the policy for vaccination against LPAI (H9N2) in India.

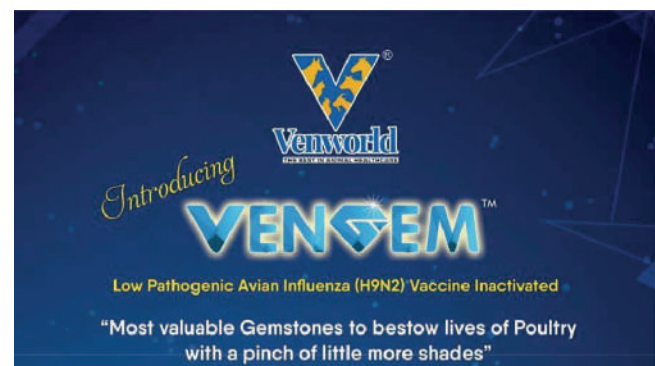
The National Institute of High Security Animal Diseases (ICAR-NIHSAD) in Bhopal, India developed the first indigenous vaccine for the H9N2 avian influenza virus in chickens. The vaccine is intended to prevent and control the spread of H9N2 in chicken. The vaccine protects against all antigenically divergent strains of H9N2 low pathogenic avian influenza virus in India. The vaccine can help reduce economic losses for poultry

farmers and the poultry industry to increase the income of poultry farmers.

According to the policy Technology transfer of “Inactivated low pathogenic avian influenza (H9N2) vaccine for chickens” developed by ICAR-NIHSAD, Bhopal happened to M/s Venkateshwara Hatcheries Pvt. Ltd., Pune, facilitated by M/s. Agrinnovate India Ltd. (AgIn) at NASC, New Delhi. As part of technology transfer, hands on Training on “Low Pathogenic Avian influenza (H9N2) Vaccine Inactivated” for Ventri's Production team at NIHSAD, Bhopal, India.

Ventri Biologicals built a first-of-its-kind Biosafety level-3 (BSL-3) vaccine production facility for Poultry industry in India, dedicated for LPAI vaccine production with Process Automation with semi-auto chick embryo inoculator, automated allantoic fluid harvest machines, closed containers inactivation and product formulation followed by auto product filling and labelling stations.

**Ventri Biologicals branded the product as “VENGEM”. Also, Ventri Biologicals is coming over with series of products including the concentrated form and the combination with other viral vaccines.**



## **Telangana: Engaging Poultry Farmers and Experts**

The first launch events took place on the 6th, 7th, and 8th of January at Hyderabad, Siddipet, and Karimnagar respectively. Mr. K.G. Anand, General Manager inaugurated the seminars with insightful opening remarks, emphasizing the vaccine's critical role in protecting poultry health. Dr. Prakash Reddy (DGM) delivered a comprehensive approach for disease control in poultry with special emphasis on how Vengem strengthens flock immunity and minimizes economic losses caused by LPAI. Additionally, Dr. N. Baburaj (DGM) provided updates on other vaccines in Ventri's portfolio. The events concluded with gratitude from Mr. Suneel Sharma (AGM), who acknowledged the contributions of the attendees and the Venworld team, which played a vital role in ensuring the success of these events.

## **Maharashtra: Expanding Awareness in Key Poultry Hubs:**

On the 15th, 16th, 22nd, and 28th of January 2025, the vaccine launch continued in Nashik, Pune, Sangli, and Amravati respectively. These events highlighted the importance of Vengem for improving poultry health and productivity in Maharashtra. Mr. Deepak Khosla, General Manager opened the sessions with remarks on the vaccine's transformative potential. Dr. Sanjay Gavkare, General Manager explained the approach towards the implementation of H9N2 vaccine policy in India, with the Ventri

Biologicals infrastructure development and standardisation of Vengem vaccine boosting flock immunity mitigating the economic losses. This was followed by open session with Dr. M.M. Chawak and Dr. Prakash Reddy to address the queries over the strategies of disease control in poultry. In Amravati, the presentation was led by Dr. Namdeo Bulbule, who provided valuable insights. Dr.H G Murade, concluded the events with warm words of appreciation for the attendees and organizers.

## **Bihar and Uttar Pradesh: Reaching New Frontiers:**

Vengem launch meetings in Uttar Pradesh took place on the 22nd, 23rd, and 24th of January 2025 at Gorakhpur, Kanpur, and Lucknow respectively, covering the key poultry belts of Uttar Pradesh. The events began with inspiring remarks from Mr. H.S. Padda, followed by an in-depth presentation from Dr. Prakash Reddy on the efficacy of Vengem in preventing economic losses due to LPAI, along with a comprehensive approach for disease control in poultry. In Patna the meeting took place on 8th Jan 2025, and the presentation was delivered by Dr. Shashikant Shiwarkar and Dr. Jaypal Kumar Singh. The Venworld team once again proved instrumental in executing these successful seminars. Mr. Shashibushan and Mr. Chitaranjan Sahoo, concluded the events at Uttar Pradesh and Patna respectively with warm words of appreciation for the attendees and organizers.









# Nuance Biotechnology Expands Global Presence with Strategic Acquisitions



During the Annual General Meeting (AGM) of the Poultry Federation of India on December 28, 2024, the poultry press fraternity had the opportunity to interact with Dr. Nemanja Tudorovic, Chief Business Officer, and Mr. Joginder Singh Uppal, Business Director, of Nuance Biotechnology, a Switzerland-based company.

Dr. Nemanja Tudorovic introduced himself as the Chief Business Officer, emphasizing the company's specialization in developing and commercializing innovative feed additives with a strong focus on postbiotics. Reflecting on the year 2024, he highlighted a significant milestone—the acquisition of two well-established French companies, Global Nutrition International and Nutri Concept.

“This acquisition has allowed us to enhance our product portfolio, expand our R&D capabilities, and strengthen our global presence,” Dr. Tudorovic stated. “Today, Nuance Biotechnology operates in nearly 50 countries and has successfully expanded into over 10 new markets within just one year. Our mission is to deliver innovative solutions, build trust with customers and farmers, and contribute to the growth of the biotechnology and livestock sectors.”

Welcoming the press, Mr. Joginder Singh Uppal shared insights into his extensive

experience in the animal health industry, spanning over 35 years across South Asia, Southeast Asia, the Middle East, Africa, and beyond. Currently serving as the Business Director overseeing Nuance Biotech's operations in South Asia, he outlined the company's ambitious expansion strategy in the region.

“We launched our operations in South Asia in June 2024 with a strategic plan to cater to this vast and diverse market,” Mr. Uppal said. “Our focus is on forming strategic partnerships, expanding distribution networks, and, most importantly, educating farmers and stakeholders on the benefits of our innovative products.”

He has reaffirmed Nuance Biotechnology's commitment to advancing biotechnology solutions for the livestock industry, reinforcing its role as a key player in global animal health and nutrition.

## The excerpts of the interview:

**Q: When did Nuance Biotechnology enter the Indian market, and what are your strategies for expansion?**

Dr. Nemanja Tudorovic: India is not just a country; it's a continent with immense potential in biotechnology and livestock. We see India as a unique growth opportunity and have partnered with experienced professionals like Mr. Uppal to lead our efforts here. Our strategies



include:

- Building strategic partnerships with key players
- Expanding our distribution networks
- Collaborating with research institutions to adapt our products to local conditions
- Educating farmers about the benefits of our solutions, such as postbiotics, which address challenges specific to the Indian market.

Joginder Singh Uppal: We aim to address specific needs in both the poultry and dairy sectors. Our products, such as Nu.biom Bos for dairy and Nu.biom Aves for poultry, focus on improving resilience, performance, and profitability at the farm level. Through technical services and knowledge sharing, we strive to empower farmers and enhance their productivity.

**Q: Can you explain the difference between postbiotics and other biotics?**

Dr. Nemanja Tudorovic: Biotics encompass various compounds that influence microbiota. These include:

- Prebiotics: Act as fertilizers or substrates for beneficial microorganisms.
- Probiotics: Live microorganisms that positively affect gut health.
- Postbiotics: Metabolites or cellular fragments of inactivated microorganisms, representing the “harvest” of probiotics.

Postbiotics are thermostable and offer unique benefits, including:

- Enhancing gut microbiota balance
- Improving nutrient utilization through enzymes
- Strengthening the gut-brain axis, which affects immunity, the nervous system, and overall animal health

Think of prebiotics as soil, probiotics as rice

in the field, and postbiotics as rice noodles ready for consumption.

**Q: How does Nuance Biotech cater to the unique needs of the Indian market?**

Joginder Singh Uppal: We offer tailored solutions to address challenges in poultry and dairy farming, such as:

- Postbiotics: A novel concept with proven benefits for immunity, egg quality, and productivity.
- Global Biotics: Products like mycotoxin binders (e.g., Global Fix) and acidifiers that tackle critical issues in the Indian market.

Our goal is to support farmers with innovative products, backed by data and trials, while educating them about sustainable and profitable practices.

**Q: Who is your first target in the market?**

Joginder Singh Uppal: Our focus is primarily on feed mills because our products are predominantly feed additives, not therapeutic products or those for direct farm or drinking water application. Since 60-70% of the industry relies on feed, our initial focus is on feed mills. Integrators and large-scale farmers, including layer farmers who produce their own feed, are our secondary targets.

Since we are operating with a lean team, our strategy is to prioritize corporate key accounts and large-scale customers to ensure our products enter the feed industry effectively.

**Q: What makes your toxin binders and acidifiers stand out?**

Dr. Nemanja Tudorovic: The uniqueness of our products lies in the precision production technology we employ. From raw material selection, fermentation, and production to quality control, every step is meticulously



executed. Our R&D-driven approach ensures high efficacy.

Our company, Global Nutrition, has been a trusted name since 2002 and exports to over 40 countries. This global presence underscores the reliability and proven effectiveness of our products.

**Q: Can you share upcoming innovations for the Indian poultry business?**

Joginder Singh Uppal: Our focus is not merely on launching products but on providing comprehensive solutions. Our philosophy revolves around enhancing animal resilience to improve production efficiency and reduce costs for farmers.

One of our core platforms is postbiotics. By leveraging our ability to extract various microbial metabolites, we aim to tailor solutions based on market and customer needs.

**Q: What are your long-term plans for the Indian market?**

Dr. Nemanja Tudorovic: Our strategy involves three key phases:

1. Establishing Partnerships – Our immediate focus, and we have made significant progress.
2. Regional Expansion – Targeting Pakistan, Bangladesh, Nepal, and Sri Lanka alongside India.
3. Direct Sales and Marketing – While partnering with distributors, we aim to work directly with key accounts that constitute 50-60% of the poultry industry.

Marketing, technical support, and sales will go hand-in-hand as we expand our team and engage with media for awareness and product promotion.

**Q: How does your company ensure sustainability?**

Dr. Nemanja Tudorovic: Sustainability is

at the core of our innovation. We focus on improving efficiency and nutrient utilization from every unit of feed, reducing waste and minimizing feed-related environmental impact.

For example:

- Ammonia control in poultry and aquaculture to prevent environmental harm and improve animal health.
- Postbiotic solutions in dairy that show promise in reducing methane emissions in ruminants, with trials planned in India in collaboration with NDRI Karnal.

**Q: How does your mastitis product for dairy cattle differ from others?**

Dr. Nemanja Tudorovic: Our postbiotic product line stands apart due to its proprietary microbial strains, isolated from healthy dairy farms. These strains undergo extensive genomic and metabolomic analysis to ensure a rich metabolic profile.

Unlike other products, ours directly targets mastitis-causing agents like *Staphylococcus aureus*. Trials in Italy and Spain have demonstrated a significant reduction in mastitis recurrence.

**Q: How do you provide ongoing technical support for customers?**

Dr. Nemanja Tudorovic: Technical support is integral to our approach. We analyze feed to identify specific toxins before recommending mycotoxin binders. Similarly, we assist farmers in improving feed digestibility for postbiotic products.

We have a dedicated technical team that provides farm-level and distributor-level support, ensuring optimized results for our clients.

**Q: What investments are you making in R&D?**

Dr. Nemanja Tudorovic: We plan to invest



half a million euros next year across multiple product lines. Our research facilities in France conduct internal and external validations before field trials.

Innovation is a continuous process for us, and we are on track to introduce more groundbreaking solutions soon.

**Q: How do you plan to address India's fragmented dairy sector?**

**Dr. Nemanja Tudorovic:** With 80% of dairy farmers managing 1-5 cows, our approach involves multiple channels:

1. Strengthening our distribution network through sub-distributors.
2. Engaging large clients who can be consistently supported with personalized solutions.
3. Leveraging veterinary shops to connect with small farmers, a proven model in my home country.

Through these strategies, we aim to support and empower dairy farmers at all levels.

The meeting concluded on a highly satisfactory note,





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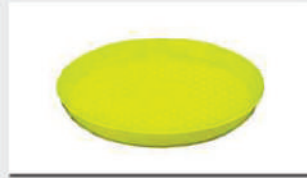
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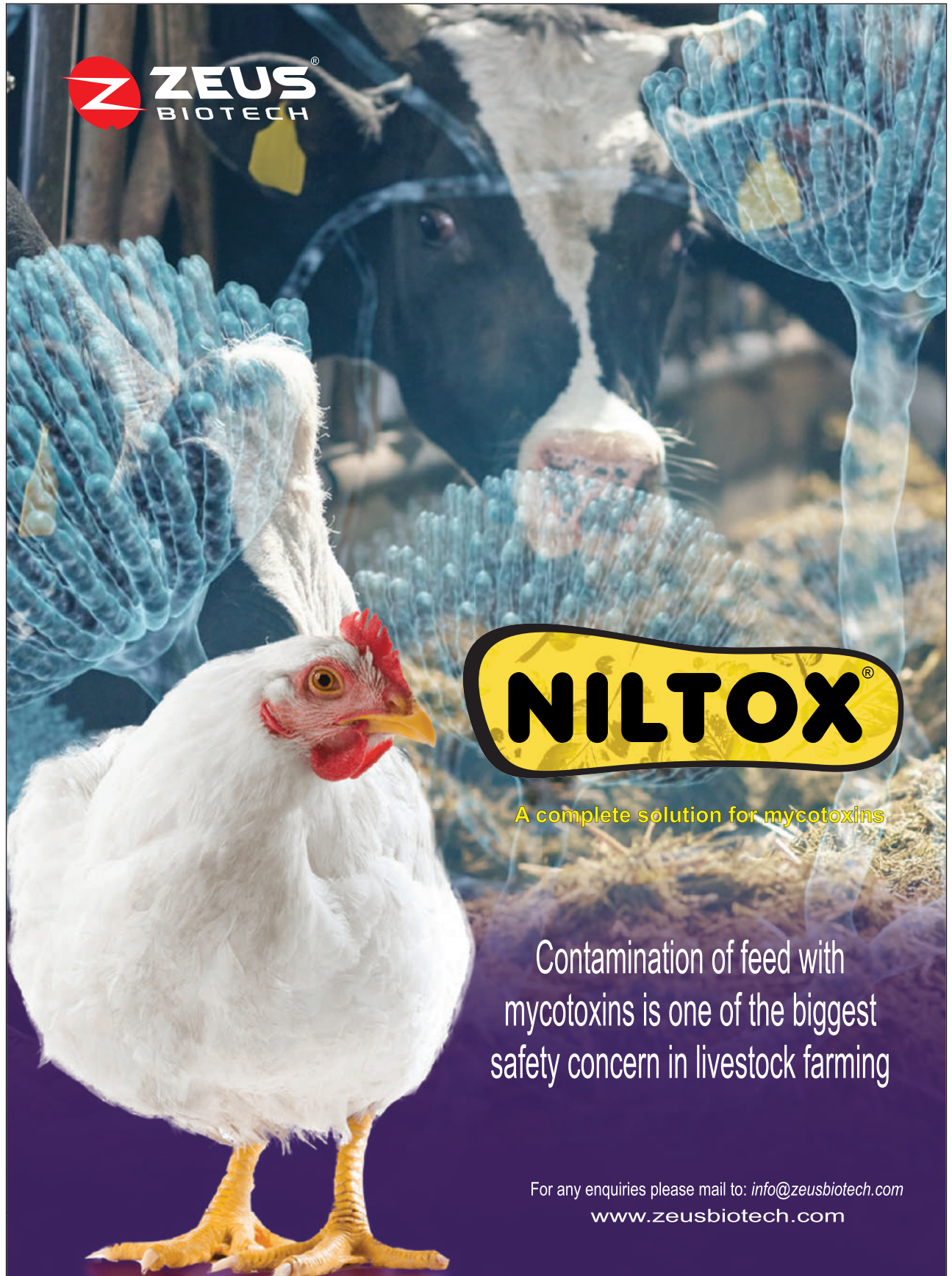
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# Winter Stress Management in Poultry

Dr. Suraj Amrutkar<sup>1</sup>, Dr. Bharti Dehmukh<sup>2</sup> and Dr. Suhas Amrutkar<sup>3</sup>

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3. Assistant Professor, Dept. of Animal Nutrition, PGIVAS, Akola, MAFSU, Maharashtra

## Introduction:

Winter is a challenging season for poultry farmers, as it brings harsh temperature extremes that can significantly impact the liability and production of poultry. Effective management during winter is essential to ensure the well-being and productivity of the birds. Poultry rearing is an art as well as a science and management plays most crucial role in deciding profitability of this business. Winter season has great effect on poultry production by lowering the temperature of surrounding. With drop in mercury level and change in weather, poultry farmers may have to face some challenges of low environmental temperature, poor ventilation and decreased photo period. During winter when temperature goes down below 55°F, various problems like reduction egg production, meat production, reduction in water intake, reduction in fertility and hatchability etc. occurs. Therefore, farmer must be ready to take on these challenges by adopting some winter stress alleviating practices to overcome economic losses.

Nowadays, poultry is facing the stress of harsh cold weather, which needs proper management of temperature, humidity, litter, ammonia, feed, water, light and ventilation etc. These are very important while managing the birds as they affect their health and production. Proper temperature and humidity suitable for the age is always required. Proper ventilation to provide fresh air and removing gases inside house is always required. The rearing surface and bedding material should be always warm and dry. The drinking water should be maintained at suitable temperature to promote water intake. The feed & feeding practice should help bird to maintain their body temperature, metabolism, and osmo-regulation.

## To achieve these goals, following practices are implemented across country

- External heat source is provided to keep the poultry shed warm and dry
- False ceiling is often used to reduce the volume of shed
- Various types and layers of curtains and jute bags are used to insulate the farm

- Round brooding is often practiced when spot heating is done

While doing poultry farming in winter, farmers should keep following points in mind:

## Orientation of House:

Poultry house should be designed in such a way to provide all the comfort required by birds during winter. Orientation of a building with respect to wind and sun consequently influence temperature, and light on different external surfaces. In winter the arc of the sun's visible path is shortened, an east west alignment of a rectangular house provides a maximum gain solar energy in winter. House should be designed in a way that maximum sun light enters the shed during day time. Birds should be protected from chilled winds, for this gunny bags should be hanged at the places from where the cold air enters. These gunny bags should be hanged down as soon as sunlight goes in the evening till the arrival of sunlight next morning.

## Ventilation

During winter season it is necessary to keep the house draft free but with plenty of ventilation. Birds release a lot of moisture in their breath and droppings which adversely affects their health, if there is restricted ventilation it causes ammonia build up in the air which cause respiratory problems. So, they need plenty of fresh air circulating around the house. For the purpose sliding windows are useful as they can be opened during day and closed during night. There should also be arrangement of exhaust fans to remove impure air.

## Poultry house management:

Temperature maintenance of poultry house is of utmost importance for day old chicks as well as for adult birds. For day old chicks, shed should be pre-heated one to two days before the arrival of chicks. Day old chicks are most susceptible to cold stress because they are not insulated with feathers and produce less heat than adult birds hence winter stress to chicks can affect their growth rate to a great extent. House or shed should be built in such a way that maximum sunlight reaches the shed during winters; mostly east-west arrangement of a



rectangular poultry house gives the greatest intensity of sunlight in winters. Uniformity of temperature in the poultry shed is also an important factor. Behaviour of birds is used to assess that whether the birds are comfortable in the poultry shed or not. If the birds are sitting closer to each other causing crowding, this means the temperature is low in the shed which is making the birds stressed. This can be managed by increasing the heat of the source or installing extra heat sources in the shed.

#### **Housing and Ventilation:**

As most poultry in India is reared in open houses, it's essential to properly seal all open sides of the shed using side curtains, especially during extreme winters. Doubling the curtains can provide added insulation. However, ventilation should not be compromised. Maintaining a minimal gap at the top end of the side curtains ensures proper ventilation and eliminates ammonia and other toxic gases from the shed.

#### **Litter Management:**

Using good quality litter materials like rice husk or sawdust serves as an insulating medium, maintaining uniform temperatures and absorbing moisture, thereby promoting dryness. The rearing surface and litter material should always remain warm and dry. Around 3.5 inches of litter is necessary during winter, providing warmth to the birds. Proper litter management is important, as wet litter and humid conditions create an ideal environment for gut pathogens like Coccidiosis and Clostridium, leading to increased mortality and poor performance.

#### **Feed Management:**

Poultry utilises nourishment for two fundamental purposes, i.e., as a vitality source to keep up body temperature and to bear on ordinary physiological exercises and as a building material for the advancement of bones, egg and so on. The variety in food utilisation is littler for every degree Fahrenheit change in temperature when the climate is frosty than when it is hot. This is because low temperature causes more encouraged admission and higher oxygen request. Subsequently, it is crucial to give the chicken a lot of sustenance when the weather gets colder as they require additional vitality to maintain body temperature. When winged animals eat more nourishment alongside vitality, different supplements are additionally consumed more, which is not required, and they turn into waste. Therefore, to maintain a strategic distance from this wastage

in winter, vitality-rich sources like oil/fat must be added to the eating regimen or the level of different supplements may be decreased, keeping the vitality at the same level. To give the chicks the best start, they should feed and drink as soon as possible. Poultry farmers should provide additional feed on paper placed on the floor and supplementary drinkers, allowing minor travel for any chick. It is helpful in the first 24 to 48 hours after placing to select a random sample of chicks a few times and gently check that the crop is full, soft and round to show that feed and water are present and the chick is thriving. Feed and water must be of good quality to allow the chick to start the growing process immediately and aid absorption of the yolk sack. Feed ought to be accessible to the feathered creature the entire day. It has been tentatively demonstrated that for legitimate development of oven amid summer, a diet containing 23% protein and 3100 Kcal ME/kg eating regimen is required. While in winter, 3400 Kcal/kg ME and 23% protein are needed. Raising the amino acid levels, even above recommended levels, will support better FCR, higher growth rates, and higher breast meat yields. Amino acid density then becomes a matter of setting economic priorities. Higher protein diets will result in higher water intake, more water excretion and higher depositions of nitrogen in the litter. So it is essential to feed Amino Power from the first day to the twentieth. The maintenance of caloric values in the feed also needs high consideration. Poultry feed should have a higher caloric value than feed offered in the summer season; such feed keeps the birds warm.

#### **Water Management:**

During poultry farming in the winter season, birds take less water so far as support of water in the body; it is essential to give a constant supply of new water which the feathered creature can take. Poultry drinking water must be clean, and should be sanitised. On the off chance that water is sufficiently chilly, it ought to be given to the chicken in the wake of adding boiling water to it so that it comes to ordinary temperature. In ice-falling territories, blockage of the funnel is a major issue because of solidifying of water amid the winter season. Therefore, when the temperature goes below 0°C, a routine assessment of the funnel line should be done to dodge water blockage. Poultry use less water throughout the winter, many immunisations, prescription medications, and anti-stress vitamins & Immune Booster should be given to poultry through the water. Therefore, it is important to ensure that water is removed a few hours before

water medication and that solution/immunization is administered in smaller amounts so that feathered animals can consume all of the water. Every flying creature benefits from various poultry nutrients, medications, and antibodies.

### Strategies for Management of Poultry in Winter Season:

To optimize poultry performance during winter, beyond fundamental winter management, incorporating certain strategies and additives is crucial. Proper winter management in poultry farming includes the use of protease enzymes to enhance amino acid digestion and reduce food availability for pathogenic gut bacteria, NSPase enzymes to improve nutrient absorption and minimize wet litter incidents, organic copper supplementation for better litter quality through its antifungal properties, organic acids like coated benzoic acids to foster gut health and control pathogenic bacteria proliferation, and essential oils with digestive-enhancing and antimicrobial properties to enhance nutrient absorption and support overall immune function in birds. These measures collectively contribute to improved gut health, nutrient utilization, and overall performance

of poultry during the challenging winter season

### Conclusion:

Winter management in poultry farming requires careful attention to various factors, including house orientation, ventilation, litter management, feed management, water management, and brooding practices. Ensuring consistent temperatures during brooding and afterward, offering lukewarm water, properly sealing poultry houses for warmth while facilitating adequate ventilation, and managing litter quality are key practices. These measures not only prevent decreased productivity and diseases but also contribute significantly to the overall well-being and performance of the birds throughout the winter season. Poultry farmers need adequate management of poultry birds during winter season to maintain the productivity of farm. If not maintained, the productivity of the farm will decrease. Managing poultry during winter is a tedious task, but if managed with proper scientific methods, the losses to the farmer can be minimized. Hence, to maintain reasonable yield farmers should adopt correct managerial practices.



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## SYLON GROUP Participation in IPEMA Hyderabad, 2024



SYLON BIO PHARMA PVT LTD is a leading company in Animal health care having 19 years of dedicated service to the poultry fraternity.

SYLON BIOPHARMA with its sister concerns AVIAN LIFE SCIENCES PVT LTD & FAUNA REMEDIES INC together participated and made a significant impact in IPEMA exhibition held at Hitex on 27th, 28th and 29th November 2024.

The exhibition provided an excellent platform to show Sylon groups innovative product range right from Antibiotics, Feed supplements and even the entire range of Anti-coccidials and other liquid vitamin preparations.

SYLON booth at the exhibition attracted large number of visitors including Poultry Farmers



and Veterinarians and Industry professionals etc. The company provided detailed information regarding their products.

Overall the participation in the exhibition not only updated the companies profile but also delivering value to the animal feed sector and with able support of Pan India marketing team who had cordially welcomes all the delegates to the booth and updated them with all company's updates and narrated about their innovative products which company is having in Mycoplasma ,Gut therapeutics and Anti-Coccidials range.

SYLON Group of companies Managing Director Mr. S. SHYAM SUNDER and Chairman Mrs. S. MAHALAKSHMI expresses their gratitude to all the visitors who had visited their booth and made a grand success at IPEMA, 2024.





## Venkateshwara B V Bio-Corp Private Limited organised Farmers meetings on “Composite view on Commercial Layer & Broiler Breeder Nutrition”



Venkateshwara B V Bio-Corp Pvt Ltd organized Technical meetings for Layer and Broiler Breeder Farmers. The first meeting, titled “Composite View on Layer Nutrition,” was held on Thursday, December 26th, 2024, at Hotel JP Cardial in Bangalore. The second meeting, focusing on “Composite View on Broiler Breeder Nutrition,” was held on Friday, December 27th, 2024, at The Elite Radisson Individuals in Narasapura, Kolar. The technical meetings were attended by Layer and Broiler Breeder farmers of the respective areas.

Mr. M Babu, Senior Regional Sales Manager, welcomed the Speaker, guests and all attendees.

In the first meeting Dr. Sunil Nadgauda, Deputy General Manager of Nutritional Services at Venkateshwara B V Bio-Corp Pvt. Ltd. shared his expert insights on various critical aspects of layer nutrition, covering topics such as the genetic potential of BV300, the importance of early chick nutrition and gut health. He discussed about the significance of early laying nutrition for maximizing peak production and ensuring consistency. He also stressed the importance of body weight monitoring during the rearing period and its direct impact on laying productivity.

In addition, Dr. Nadgauda discussed the crucial role of gut health and factors influencing the

birds’ gut microbiota, highlighting its impact on overall productivity. He discussed about EGGXTRA 5% Layer Composite Premix as an innovative and simple solution to simplify the feed manufacturing process, ensuring accuracy in additive proportions and boosting productivity. The benefits of using this premix to enhance egg production efficiency with optimization of cost were also elaborated.

In the second meeting Dr. Sunil Nadgauda, Deputy General Manager – Nutritional Services, delivered an in-depth presentation on the importance of effective breeder nutrition and discussed several key topics essential for enhancing productivity and efficiency in Broiler Breeder farming.

Dr. Nadgauda’s presentation covered the importance of achieving uniformity in broiler breeders and the critical role of good flock management. He also delved into the physiological stages of development in breeders. Emphasizing feed and body weight





management during the growing and laying phases in female breeders, he provided practical strategies to optimize production.

Furthermore, Dr. Nadgauda shared various strategies to control feed costs and simplify the feed manufacturing process, ensuring accuracy and minimizing errors. He discussed about the VCOMIX 5% Breeder Composite Premix as an innovative solution that provides additives in the required proportions, helping to boost productivity and improve overall feed efficiency. The benefits of using this premix were also discussed in detail.

The event served as a platform for knowledge sharing and fostering a deeper understanding of layer and broiler breeder nutrition, equipping poultry farmers with the tools and insights needed to improve their operations.

Throughout the both sessions, Dr. Nadgauda addressed numerous queries from the attendees, offering expert advice on poultry nutrition and management, further enhancing the value of the seminar for the farmers.

Towards the end of session, Dr. N Baburaj,



Deputy General Manager discussed about modern broiler growth performance parameters and advised to follow the biosecurity at all stages to improve productivity. As an important tool in biosecurity, vaccination is playing crucial role in poultry production.

He introduced VENGEM – an inactivated vaccine against Low Pathogenic Avian Influenza. He also discussed about the importance of VENGEM vaccine to prevent financial losses in poultry production.

Dr. Priti Mijgar, Product Executive - Marketing also attended both the meetings and discussed about 5% Composite Premix with farmers and addressed their nutritional queries.

The event concluded with a vote of thanks from Mr. RD Lokesh, Zonal Manager at Venkateshwara B V Bio-Corp Pvt. Ltd., who expressed appreciation to all attendees and contributors. The local Venworld Team successfully organized this informative and engaging technical seminar.





# LUMIS ENZYMES

## AT POULTRY INDIA, HYDERABAD





# LUMIS ENZYMES

## AT POULTRY INDIA, HYDERABAD





## Multiple toxin challenges in feed and its solution Technical session organized by Venky's India Limited



Venky's India Limited Organized Technical Seminars across few zones in India from the 9th to 13th of December 2024 at Hotel Sayaji, Pune, Radisson blu, Bangalore, Nala Hotels, Namakkal, and Le Meridien, Coimbatore. Dr Joseph Garcia, technical manager, Special Nutrient, USA was expert guest speaker. The theme of the seminars was "Multiple toxin challenges in feed and its solution"

Dr. Joseph Garcia started his presentation on "Toxin in Poultry" by showing some Photographs of the post-mortem lesions caused by mycotoxicity in poultry. These Photographs of post-mortem lesions give a clear idea about different lesions in different organs by different mycotoxins. He also talked about the prevalence of different toxins in the feed & presented updated data on its prevalence around the world and its Indian scenario and how Biobantox and Biobantox Plus can play a critical role in toxicity prevention and management in poultry.

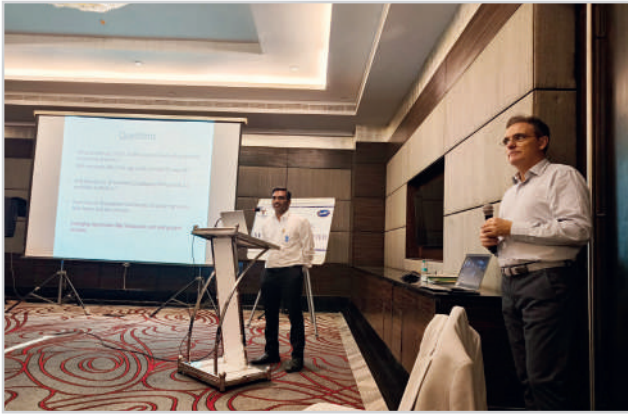


Afterwards, Dr. Joseph Garcia updated about the endotoxins and their consequences in poultry production. The endotoxins disrupt gut health in poultry. Endotoxins, also known as lipopolysaccharides (LPS), are part of the outer membrane of the cell wall of all gram-negative bacteria (e.g. E. coli, Salmonella spp., Shigella spp., Pseudomonas spp., among others) that are released from bacterial cell wall by shedding or through bacterial lysis. As the gram-negative bacteria are part of poultry microbiota, lipopolysaccharides (LPS) are also present in the intestine. Under eubiosis, this does not affect animals negatively because



intestinal epithelial cells are poorly responsive to Lipopolysaccharides (LPS) when stimulated from the apical side.

Endotoxins are released in systemic circulation from gram-negative bacteria whenever we use antibiotics against these gram-negative bacteria. This released endotoxin in the systemic circulation of birds affects their health and reproduction. In vitro and in vivo studies of Biobantox Plus have shown binding efficiency against endotoxins (Lipopolysaccharides). Endotoxins, Pesticides, and Mycotoxins adversely affect the immune system and performance of the birds. He concluded that Biobantox Plus is very effective in binding Endotoxin along with the adsorption of mycotoxins and pesticides, thus keeping the bird's health in good condition.



Dr. Joseph Garcia also mentioned immunosuppression caused by mycotoxins and subsequent vaccine failures. He emphasized that one should be very careful while selecting a toxin binder as some agents such as activated charcoal if included as a toxin binder may have deleterious effects on health by binding the nutrients such as vitamins and minerals from the feed. Biobantox Plus takes care of mycotoxins, Endotoxins & Pesticides and helps in maintaining optimal health of the birds resulting in better performance.

The seminars at Bangalore, Namakkal, Coimbatore, and Pune were attended by field veterinarians, broiler breeders, broiler integrators, and layer farmers. At Bangalore, Namakkal, and Coimbatore Dr. N. Baburaj (Deputy General Manager sales and marketing) gave an introductory speech and was introduced by Dr. Garcia while at Pune Dr. Vishwas Sagajkar (Deputy General Manager sales and marketing) gave an introductory Speech. Appreciable efforts were taken by Dr. Hemant



Murade (Deputy General Manager sales), Mr Ram Ghate (Assistant General Manager Sales, West Zone), Mr R.D Lokesh(Zonal manager, South II), Mr M. Babu (Senior Regional Sales Manager South II), Mr Murugesan (Zonal Manager), Mr Umapathi, Mr Chinnaraj (Senior Zonal Manager), and Mr Shahaji Huda (Zonal Manager) for arranging the program at various places. The seminars were guided by Mr Deepak Khosla, General Manager Sales and Marketing, Venky's India Ltd.

In the end, Dr. Vishwas Sagajkar thanked everyone for attending the seminar and concluded with positive results and excellent ROI of Biobantox and Biobantox Plus in poultry feed.

The seminar received a massive response from poultry farmers, veterinarians, and consultants. In all the seminars queries from the participants were discussed in detail. Farmers and veterinarians were happy with the updates and solutions given by Dr. Joseph Garcia on multiple toxins.





## Performance Enhancing Concept for Commercial Poultry Technical session organized by Venky's India Limited



Venky's India Limited organized technical seminars in second week of January at Hotel Noor Mahal, Karnal (6th Jan), Hotel Days, Panipat (7th Jan), Hotel Babylon Capital Raipur (8th Jan), and Hotel Radisson Blu, Bangalore (9th Jan). Mr Koastas Syriopoulos, an expert on animal nutrition and feed technologists from Switzerland was the guest speaker. The theme of the seminars was "Performance Enhancing Concept for Commercial Poultry"

Mr Koastas began the presentation with a product introduction. He discussed the composition and the significance of each ingredient. He described how aromatic essential oils and pungent chemicals in NATEXT aid nutrient digestion and absorption. Saponins in NATEXT assist in minimizing ammonia release and emissions. Additionally, it boosts immunity. NATEXT also possesses antioxidant properties.

Mr Koastas then demonstrated several



efficacy trials on various layer and broiler birds undertaken in other countries and in India as well. NATEXT plays key role in improving digestion and assimilation of key nutrients including calcium and phosphorus. Every study demonstrated greater performance and lower ammonia reduction with improved FCR. Return on investment was also provided in an Indian trial, demonstrating the benefits of NATEXT use.

Later on, Dr. Raetus, who has a PhD in biochemistry, detailed the product



manufacturing process. He explained the isofusion technology and its importance in making effective delivery of phytogetic compounds.

Following his presentation, Dr. Vishwas Sagajkar (Deputy General Manager sales and marketing) and Dr. N. Baburaj (Deputy General Manager sales and marketing) translated and explained the concepts in their respective states' native languages, Hindi and Kannada.

All the seminars were attended by field veterinarians, broiler breeders, broiler integrators, and layer farmers. An introductory speech about the concept and speaker was given by Dr. Vishwas Sagajkar at Panipat, Karnal, and Raipur while in Bangalore Dr. N. Baburaj gave given introduction. Arrangements were by the following people





Mr Shashi Bhushan Kumar (Assistant General Manager, North zone); Mr Sandeep Saini (Senior Regional Sales Manager); Mr Yash Munjal; Mr Banwala (at Karnal), Mr Shashi Bhushan Kumar; Mr Kailash; Mr Manoj Kadyan (Panipat), Abhishek Gupte (Zonal Manager Sales Central Zone) and Ashutosh Singh (Raipur) while Mr Babu (Regional Sales manager); Mr R.D. Lokesh (Zonal Manager) and Mr Rajesh Pai (Regional Sales Manager)



at Bangalore.

In the end, Dr Vishwas Sagajkar thanked everyone for attending the seminar and concluded with a positivenote . The seminars were guided by Dr. Deepak Khosla, General Manager Sales and Marketing, Venky's India Limited.

The seminar received a massive response from poultry farmers, veterinarians, and consultants. In all the seminars queries from



the participants were discussed in detail.

Farmers and veterinarians were happy with the new concept and approach of phytogetic in improving performance of poultry.

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## Poultry Federation of India Inaugurates 35th Annual General Meeting with Over 700 Delegates\*



The Poultry Federation of India on 27th Dec 2024 has officially inaugurated its 35th Annual General Meeting (AGM) with a grand sessions at The Leela Ambience Hotel, Gurgaon. The event attended by more than 700 delegates, including poultry farmers, breeders, feed manufacturers, poultry equipment manufacturers, industry leaders, government officials, policymakers, and experts, all committed to shaping a sustainable and innovative future for the poultry sector. Unity and Innovation at the Core of PFI's AGM -Mr. Ranpal Dhanda, President of PFI, welcomed the distinguished gathering with a speech that underscored the importance of unity and innovation within the poultry community. Key updates on the federation's progress were shared,



including the Annual Report presented by Mr. Ravinder Singh Sandhu, Secretary, and the Presentation of Accounts by Mr. Ricky Thaper, Treasurer, PFI. Mr. Sanjeev Gupta, Vice President (HQ) appreciated all the support for the federation's shared vision and objectives.

Recognition and Technical Sessions- Following a networking High Tea, the event proceeded with insightful technical presentations by leading industry experts, including Mr. S.K. Malhotra, Dr. Ali Asgar, Dr. B.C. Dutta, Dr. Rahul Sawarkar and Dr. Sushil Silva, covering topics vital to advancing the poultry industry. In recognition of the vital role of the sponsors in supporting PFI's efforts, mementos were presented.







New Team of the Poultry Federation of India was announced by Mr. SS Katyal.

Mr. Ranpal (Bittu) Dhanda - President

Mr. Sanjeev Gupta - Vice President (HQ)

Mr. Ravinder Sandhu - Secretary

Mr. Ricky Thaper - Joint Secretary

Mr. Rahul Khatri - Treasurer

Memorable MOU Signing Ceremony-A key moment in the proceedings was the signing of a Memorandum of Understanding (MOU) between PFI and The Energy and Resources Institute (TERI), symbolizing the commitment to sustainable practices and innovation within the poultry industry. Eminent Speakers emphasized the pivotal role of poultry farming in agriculture, stating, Poultry farming is a backbone of our agricultural economy, contributing

significantly to state and national development. It provides livelihoods to million people and their government remains dedicated to supporting its growth. We are committed to addressing challenges and ensuring that this vital sector continues to thrive.

At the conference, the pivotal role of innovation and education in driving the growth of the poultry industry was discussed. PFI Team thanked government's continued commitment to fostering skill development initiatives and implementing policies designed to strengthen and enhance the poultry sector. All the delegates appreciated the nice arrangements at PFI's AGM. Thanks to all sponsors for their for their generous support. All sponsoring company's contributions have played a great role in organising this event and creating an environment where many





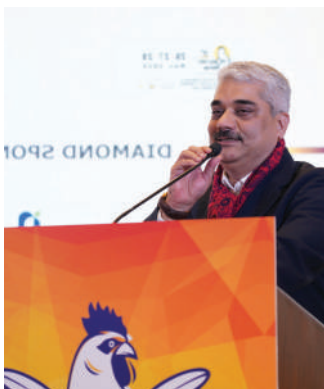
new ideas were flourish and networking was done.

The Poultry Federation of India continued its 35th Annual General Meeting (AGM) on Day 2 on December 28, 2024, at The Leela Ambience Hotel. The second day featured a series of valuable technical sessions, engaging presentations and discussions aimed at driving progress within the poultry industry. The day began with a technical session by Mr. S.K. Malhotra. This was followed by presentation by Dr.LipiSairiwal, Deputy Commissioner, Department of Animal Husbandry & Dairying, GOI. Further technical sessions were on future of poultry nutrition and management, with Dr. Javed Mulani discussing “How to Increase the Share of Processed Chicken Meat. This was followed by nice presentation by Dr. N.K. Mahajan, Member of the Empowered Committee

for Animal Health. A highlight of the event was the distribution of mementos to the Super Platinum, Platinum, Diamond, Gold and Silver sponsors, recognizing their vital contributions. The attendees celebrated the significant impact of their support on the ongoing success of the industry and the event.

**\*Strategies to Grow Egg Demand\***

The afternoon session focused on the demand for eggs in India, with Suresh Chitturi Sir presenting on “Strategies to Grow the Demand of Egg in India.” His presentation was very much appreciated by the delegates. The session was followed by a Panel Discussion moderated by Mr. Nasir from India Today Kisan Tak, where industry leaders discussed the latest trends and future strategies for poultry growth.





The day's highlights included the welcoming of the Honourable Minister of State for Animal Husbandry, Fisheries and Dairying, Shri (Prof.) SP Singh Baghel Ji, who addressed the gathering, emphasizing the government's commitment to enhancing the poultry sector through focused policies and initiatives. Additionally, he assured that the central government is committed to doubling farmers' incomes, inclusive of poultry farmers. Minister Sir also stressed the importance of promoting poultry and chicken consumption among the masses. Minister Sir highlighted that misconceptions regarding chicken and eggs persist, noting that a significant portion of the population is unaware of their daily protein requirements. Many are also misinformed about unfertilized eggs, mistakenly equating yolks with chicks. Associations such as PFI should

take the initiative to educate the public and progress in these areas

PFI Team presented Mementos to Respected Minister Sir. The launch of the State Committee of PFI was another significant milestone of the day. Respected Minister Sir assured of full cooperation to Poultry Sector. Mr. UDAY SINGH BAYAS, President, IPEMA / Poultry India honoured the Minister Sir by presenting Shawal. The formal proceedings were concluded with a Vote of Thanks by Mr. Ricky Thaper. He expressed gratitude to all participants, special guests, and stakeholders for their invaluable contributions. The evening featured a Musical Program with a Cocktail Dinner, offering an opportunity for networking and informal discussions among industry leaders, experts, and delegates.





















## Optima Life Sciences Pvt. Ltd. Celebrates 14th Foundation Day with Enthusiastic Festivities

Jejuri, January 11, 2025—Optima Life Sciences Pvt. Ltd. proudly marked its 14th Foundation Day with a series of vibrant and engaging events held at its Jejuri factory. The celebration highlighted the company's commitment to fostering innovation, recognizing employee contributions, and promoting teamwork.

The event commenced with the ceremonial Lighting of the Lamp by Mr. Debraj Das, COO of Baramati Agro, symbolizing the company's bright future and unwavering commitment to growth and sustainability.

Addressing the participants after the ceremony, Mr. Das commended Optima's achievements, saying, "Optima Life Sciences has carved a niche for itself in the animal feed additive and health sector. Its rapid growth is a testament to the vision, hard work, and dedication of its leadership and employees." He also appreciated the Shared Values of Optima and how the Company is promoting to live these Values, which will ultimately support the Business.

He emphasized the importance of leadership in driving change and innovation, urging the team to remain agile and forward-thinking. "The future belongs to those who adapt and lead with purpose. Optima has all the ingredients—dedication, innovation, and resilience—to continue its upward trajectory," he concluded, setting an inspiring tone for the celebrations.



A key highlight of the day was the Long Service Awards distribution, where employees who have shown exceptional dedication and loyalty to the company were honoured for their contributions. Their efforts have been instrumental in driving the company's growth and success over the years.

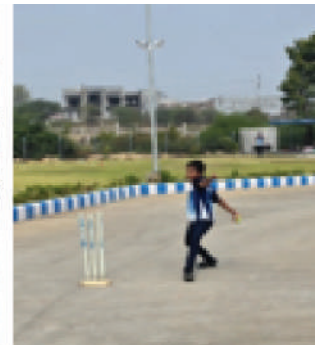
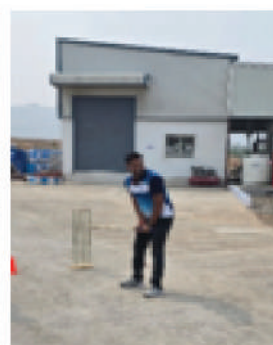






The celebration also included a special leadership session titled “Identifying Leader, Boss and Manager within You and Walking that extra Mile Ahead” for all Heads of Departments (HODs). The session inspired leaders to embrace new challenges and cultivate a forward-thinking approach as they guide their teams towards greater achievements.

Adding to the excitement, the day featured the much-awaited Optima Premier League (OPL) Cricket Match, an event that fostered team spirit and camaraderie among employees. The spirited competition concluded with a prize distribution ceremony, where the winning team and outstanding performers were celebrated.



Speaking on the occasion, Mr. Vinay Kulkarni, Executive Chairman, said, “Our Foundation Day is not just a celebration of our journey but also a tribute to the people who make it all possible. The events today reflect our commitment to excellence, innovation, and teamwork, and we look forward to achieving even greater milestones together.”

Optima Life Sciences Pvt. Ltd., established in 2010, has emerged as a fastest growing company in animal nutrition and health solutions, making a significant impact on the agricultural sector. The 14th Foundation Day celebrations reflected the company’s ethos of collaboration, recognition, and community-building, setting a promising tone for the years ahead.



For Media Inquiries:

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# PROBIOTICS IN THE HEALTH OF SMALL RUMINANTS

R. Ranjini<sup>1</sup>, Gondu Sai Deepthi<sup>2</sup>, R. Savitha<sup>3</sup>, S. Saranya<sup>4</sup>, G. Elaiyaraja<sup>5</sup>

1,2,3,4 – M.V.Sc Scholar, Department of Veterinary Microbiology, Madras Veterinary College, Chennai – 07. 5 –Assistant Professor, Department of Veterinary Microbiology, Madras Veterinary College, Chennai – 07.

## Introduction

In India, Sheep and Goat farming contributes more in the meat industry and form the livelihood for many marginal farmers. Nutritionally, the probiotics are employed as growth promoters and greatest substitute for antibiotics in the rearing of small ruminant animals. The probiotics are live microorganisms fed to improve the gut microbial population. It supports the growth of animals significantly faster as well as increases the performance and production. Consequently, the farmer gets a respectable income.

## Types of Probiotics

Generally, two types of probiotics are fed to the animals such as bacterial and yeast probiotics. The most commonly used organisms are Bifidobacter sp., Lactobacilli sp., Saccharomyces cerevisiae.

## Mechanisms of action of probiotics are

- Inhibiting the pathogen adherence
- Producing antimicrobial components such as bacteriocins and defensins
- Competitively excluding pathogenic microorganisms by improvement of barrier function
- Decrease in luminal pH and
- Immune system modulation

## Commercially available probiotics



## Effect of Probiotics

There are many proven reports on the effect of probiotics in the health of small ruminants.

- Probiotics helps to balance the ruminal pH and promote rumen function and thereby prevent the incidence of subacute or acute ruminal acidosis.
- It helps in the degradation of organic matter and increases the dry matter intake and promotes the gastrointestinal function of animals.
- Supplementing with probiotics enhances the rumen's microbial activity, which leads to better ammonia capture for the production of microbial protein.
- It helps in the multiplication of beneficial microbes and prevent the pathogenic organisms from invading the intestine by the production of various inhibitory substances.
- It improves the digestibility of nutrients which in turn improve the carcass yield



quantity and quality

### Conclusion

Probiotics helps to improve the health status of animals and increase their production capabilities. The quantity and quality of meat and milk is increased which in turn generate more income to the farming communities.

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## **CLFMA OF INDIA hosted a significant collaborative meeting organized by BCC& US Grains Council (USGC)**

On Tuesday, 14th January 2025 CLFMA OF INDIA and BCC co-hosted a significant joint event organized by the Broiler Coordination Committee (BCC) and the US Grains Council (USGC) at Coimbatore. The meeting brought together top officials from the US Grains Council (USGC), Verity Ulibarri, Chairwoman, U.S. Grains Council, Amy France, Board Chair, National Sorghum Producers, Mark Wilson, Vice Chairman, U.S. Grains Council, Ethan Miller, Vice Chairman, United Sorghum Checkoff Program, Jay Reiners, Secretary-Treasurer, U.S. Grains Council, David Schemm, President, Arrow S Farms, Brent Boydston, Past Chairman of the Board, U.S. Grains Council, Clint White, Director of Communications, United Sorghum Checkoff Program, Tim Lust, CEO, United Sorghum Checkoff Program, Ryan LeGrand, President and CEO, U.S. Grains Council, who traveled from the USA & Reece Cannady, Regional Director – South Asia, U.S. Grains Council, Amit Sachdev, Regional Consultant, U.S. Grains Council, Nayantara Anandani Pande, Marketing Specialist, U.S. Grains Council, Sonjoy Mohanty, Senior Ethanol Advisor, U.S. Grains Council from New Delhi along with key representatives from Tamil Nadu's poultry sector, including members of the BCC, also Sri. MRI Magdum, Dr. Harshakumar Shetty, Dr. Nagabhushan from Venkateshwara Hatcheries Ltd. and members from PFRC, graced the occasion, making it a noteworthy gathering of industry leaders.

The primary focus of the event was to discuss the current grain supply and demand dynamics in both India and the USA. The US Grains Council (USGC) team presented insightful updates on recent advancements in crop production and emerging technologies used in agriculture, showcasing their potential benefits for the animal feed sector.

CLFMA Treasurer, Mr. R. Ramkutty warmly welcomed all the delegates and attendees, expressing their gratitude for the US Grains Council (USGC's) long-standing commitment to the Indian animal feed industry.

Dr. Harshakumar Shetty updated all on the statistics of grains in India and its forecast. He also highlighted the need for alternative feed ingredients and that further study needs to be conducted on alternatives like Sorghum. Dr. Shetty emphasized the importance of conducting field trials to assess its viability and its economic impact. It was extremely enlightening for the gathering on the data presented by Dr. Harsha Kumar Shetty.

Mr. Divya Kumar Gulati, Chairman of CLFMA OF INDIA, highlighted the pressing issues of grain and corn shortages, emphasizing the critical need to address these challenges for the sustainability of the livestock sector. As the apex chamber representing the livestock industry, CLFMA serves as the unified voice of the sector, consistently advocating for its concerns with the Government of India to secure a sustainable future. CLFMA Chairman Mr. Divya Kumar Gulati also underscored the importance of treating poultry farmers, aqua farmers, and dairy farmers on par with agricultural farmers, acknowledging their significant contributions to the economy and food security. He particularly emphasized the need to spotlight the poultry, dairy, and aquaculture sectors for their pivotal roles in fostering growth and innovation. Additionally, he recognized and appreciated the collaborative efforts within the industry to drive innovation and address key challenges.

A central topic of discussion revolved around the challenges faced by the Indian poultry industry in sourcing corn and other grain alternatives. The Broiler Coordination Committee (BCC) Chairman Mr. R. Laxmanan addressed the assembly, highlighting the importance of exploring alternative grain sources to ensure a sustainable supply chain. Complementing this, Sri. MRI Magdum, Dr. Harshakumar Shetty, Dr. Nagabhushan key officials from Venkateshwara Hatcheries Ltd. further elaborated on the potential of sorghum as a promising substitute for corn in poultry diets and the need for its evaluation.



Price parity of various US grains, their derivatives, and closing grain inventories were key areas of deliberation during the meeting. As a gesture of appreciation, mementos were presented to the US Grains Council (USGC) delegates and VHL representatives by CLFMA OF INDIA, Broiler Coordination Committee (BCC) & Niswin Enterprises.

The event concluded on a high note with a dinner hosted by Shanthy Feeds, providing an excellent opportunity for networking and camaraderie among the attendees.

This collaborative initiative underscored the importance of global partnerships in strengthening the Indian poultry industry and ensuring its resilience in the face of evolving challenges.











**Broiler Lifting Rates for the month of DECEMBER\_2024**

PLACE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Hyderabad	95	90	85	90	90	85	80	90	100	100	90	81	86	91	101	101	101	96	91	91	91	91	91	93	98	103	103	103	105	95	95	
Karimnagar	95	90	85	90	90	85	80	90	100	100	90	81	86	91	101	101	101	96	91	91	91	91	91	93	98	103	103	103	105	95	95	
Warangal	95	90	85	90	90	85	80	90	100	100	90	81	86	91	101	101	101	96	91	91	91	91	91	93	98	103	103	103	105	95	95	
Mahaboobnagar	95	90	85	90	90	85	80	90	100	100	90	81	86	91	101	101	101	96	91	91	91	91	91	93	98	103	103	103	105	95	95	
Kurnool	95	90	85	90	90	85	80	90	100	100	90	81	86	91	101	101	101	96	91	91	91	91	91	93	98	103	103	103	105	95	95	
Vizag	105	100	100	100	100	95	90	93	96	96	96	96	98	103	108	108	108	108	108	108	108	108	98	100	100	104	108	108	110	105	105	
Godavari	104	104	104	104	104	99	94	99	104	104	104	94	96	99	104	104	104	104	99	99	99	99	94	94	96	98	106	109	109	111	106	106
Vijayawada	104	104	104	104	104	99	94	99	104	104	104	94	96	99	104	104	104	104	99	99	99	94	94	96	98	106	109	109	111	106	106	
Guntur	104	104	104	99	99	96	94	99	104	99	99	94	96	99	104	104	104	104	102	102	102	97	97	99	99	109	112	112	114	106	106	
Ongole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Namakkal	95	90	94	94	94	94	78	78	78	78	80	80	80	86	86	91	93	93	93	88	88	88	91	94	94	98	98	98	98	101	101	

**M.A. Waheed**




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## Feedback of Participants at Nashik



Dear Mr.B.V.Shivshankar,  
It is wonderful to see that you have successfully organized 26th edition of Bharat Poultry Expo in Nashik, focusing on regions where poultry farmers are most active. Your dedication to the industry is truly commendable.

I am especially delighted to see that the Bharat Poultry Expo 2025 was held in Nashik from 18th January to 20th January 2025, marking your 26th Bharat Poultry Expo. This achievement reflects your commitment to carrying forward the legacy of Dr. B.V. Rao, who was deeply connected with poultry farmers—both small and large.

Through these expos, you have created a vital platform for small and marginal farmers to stay updated with the latest advancements in poultry farming. The event was a resounding success, attracting farmers from Maharashtra, Gujarat, and Chhattisgarh, all of whom greatly benefited from it.

I sincerely appreciate your efforts in uniting farmers and fostering growth in the poultry sector. Wishing you continued success in your future expos. Keep up the great work!

Best wishes for all your upcoming events!  
Vasant Kumar C Setty,  
Founder President,  
Poultry Farmers & Breeders  
Association (MH), Convenor, Pan India  
Broiler Coordination Committee  
(M): 98607 58235

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in India

Bharat Poultry Expo, Nashik, Jan 2025 was successful attempt by organisers and local stakeholders to connect small and medium farmers and gave them experience of other expo happening

This is appreciable efforts to reach each stakeholder of poultry.

Keep doing good work for betterment of Protein Producers of Rural Bharat.

Good Luck!

Regards,  
Dr Ajay Deshpande  
President, Vets In Poultry (VIP), Pune.  
(M):95525 60001.

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Hearty congratulations to Organisers of Bharat Poultry Expo 2025, Nashik.

It was indeed a successful attempt by TezasviEvents& Local Nashik team to deliver

Padmashree Dr B V Rao Sir's dream to connect grass route level poultry farmers and add value to their life.

Participation from entire poultry of region was mesmerising. Good stall holders & quality topics with eminent speakers are key highlights to show.

We wish to happen it alternate or every year.

Warm Regards,  
Dr Santosh Ire,  
Secretary, Vets In Poultry (VIP), Pune.  
(M): 98509 79652.

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Nashik Expo is example of established, seasoned vs emerging startups.

There were many new equipment manufacturers with innovations. Small example is wood fire space heaters.

The technical section was informative. Our Dr Shelke, Dr Kambale, Dr Dhirendra Kumar from Vesper gave good practical presentations. Dr Manoj Shukla conducted it nicely.

Thanks to VIP for supporting Nashik poultry show. Grass root farmers have got good insight. It may not be possible for small farmers to travel to big shows like Hyderabad. Attitude beyond ego, helping small farmers, focusing tire two cities is appreciable. Nashik major production hub deserves better show than present one. Let's hope for better next time.

Dr Anil Phadke,  
M.D., A.J. Poultry Pvt Ltd., Nashik.  
(M):98228 73940.

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My review about Nashik Expo.



"The show must go" is a universal truth and once again it has proven in Nashik Expo. Though lot of negative forces were active there to make your expo fail but the Ashirwad of Lord Shiva, your dedication and commitment and with positivity of your

well-wishers, once again you have achieved themilestone of success. The success of your expo is a big slap on the face of those negative forces who were day and night worked for your failure.

I was there as a poultry consultant, an Anchor and yourwell-wisherof the show and have interacted with the Exhibitors. Everyone was satisfied with the footfalls in the expo.

Day one was wonderful. Hon'ble MLA of Sangamner was our Special Guest and he has well narrated about all the help for upliftment of poultry farming in Maharashtra, from Maharashtra government.

Day second was full of farmers who visited in all the Exhibitors stallsandtechnical seminar hall was full with the audience till the seminar ended. Every farmer was well appreciated the topics covered in the technical seminar.

The day three ended with Valedictory function cum memento distribution to our valuable Exhibitors.

Your "Bharat Poultry Expo-Nashik" ended with the satisfactory note.

Congratulations and all the best for your upcoming "Bharat Poultry Expo".

Dr. Manoj Shukla  
Poultry Consultant, Raipur, Chhattisgarh  
(M):87700 13350

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Dear Shiv Shankar Garu, Tejasvi Events,



I would like to extend my heartfelt appreciation for organizing the highly successful \*Poultry Expo in Nashik\*. The impressive turnout of \*Poultry Farmers, Veterinary Doctors, Industry Officials, and our Valued Customers\* was a team's exceptional efforts.

We were thrilled to showcase \*Our Innovative Solutions for Litter Management and House fly control,\* which received overwhelming appreciation from the attendees. The expo provided a fantastic platform for us to connect with the Poultry Community and share our expertise.

Thank you once again for creating a memorable experience. We look forward to participating in future events organized by \*Tejasvi Events\*.

Best regards,  
Ramesh Yadlapati, CEO, Supr Enviro Farms  
Private Limited, Hyderabad

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## Review of Nashik Expo 2025



Once again, Mr. B. V. Shivshankar has proven his excellence in organizing major events with the 26th edition of Bharat Poultry Expo 2025 in Nashik. Despite facing numerous hurdles and challenges, Mr. Shivshankar stood firm and emerged as a true leader in the industry.

The event turned out to be a massive success, attracting a large footfall and gathering industry professionals from all over. It was an exemplary display of how dedication and perseverance can lead to triumph, no matter the obstacles.

The vision of Honourable Padma Shri B. V. Rao—to reach out to the very last person in the poultry sector—has been realized by Mr. Shivshankar. Through his efforts, he has brought expos to rural areas, making a significant impact on the poultry industry across India.

Mr. Shivshankar is not only a man of character but also deeply committed to doing what is right and beneficial for the poultry sector. His unwavering determination is evident in his continuous efforts to uplift and educate farmers in the industry.

Wishing Mr. Shivshankar and his team all the best for their future expos. Their hard work and vision are truly inspiring.

Ajay Mehrotra  
Aadya Biological  
Lucknow.  
(M): 84004 27344

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## Feedback on Nasik Expo:



We have participated in Bharat Poultry Expo 2025 organised by Tejasvi Events at Nashik, Maharashtra to mark the grand presence in Nashik/ Pune/ Gujarat/ MP. We would like to thank Mr Shivshankarji to create this opportunity. It was great participation and grand expo for GLOCREST to get a chance to represent the extensive product range and reaching to the poultry farmers and fraternity. The recently launched imported product from Netherlands 'Calcitriol- D' - the King of all D3 - the perfect launchpad. There was a strong footfall of farmers / integrators / consultants/ veterinarians from Nashik and other parts of country too. Probably it was great efforts from organisers to witness the growing poultry market in rural India. GLOCREST is thankful to all visitors; Poultry Fraternity for your blessings and we anticipate your support as usual in future as well. We request everyone to use our products & let your birds speak about its results.

Best Regards,

Dr Ramdas S Kambale,  
CEO & Founder Member,  
GLOCREST Pharmaceutical Pvt Ltd.,  
Off.2018,  
Solus Hiranandani Business Park,  
Hiranandani Estate,  
Thane (W) - 400 0607

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Hi,  
This is Dr. Adarsha D Naik, Senior Associate Product Manager at Himalaya Wellness Company, overseeing complete Poultry products marketing and technical

aspects.

I'm happy to share my experience after participating in the Bharath Poultry Expo 2025, which took place in Nashik, Thakkar Dome in January 2025.

It was truly amazing to see all the poultry farmers, experts, and industry leaders. The footfall this year exceeded my expectations. I extend my heartfelt thanks to Shivshankar for organizing the event in such an exemplary manner.

We were able to connect with local leaders and key farmers, which we hope will boost our sales and relationships with local customers.

This expo provided us with an excellent platform to analyse the potential of the Nashik market.

Some highlights include:

- The location near the city made it easy for everyone to commute.
- The stall placement was well-designed, allowing customers to visit all stalls efficiently.
- It was a great opportunity to connect with key individuals whom we couldn't meet at other expos.
- The technical seminar with an interesting subject was a highlight, where everyone could learn something new.

However, there are always areas for improvement. I suggest the organizing committee arrange a better food setup next time, possibly incorporating a parcel

system like other expos. Additionally, we could make this expo more popular by effectively marketing it on

social media and utilizing online platforms for stall booking and updates.

Thank you, everyone.

Dr. Adarsha D Naik,  
Senior Associate Product Manager,  
Himalaya Wellness Company, Makali,  
Bengaluru.  
(M): 77600 82255

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On behalf of Devee Group we would like to express our hearty congratulations to Tezasvi Events who had successfully organised Bharath Poultry Expo 2025 at Nashik on Jan 18 - 20, 2025. The selection of the event in regional poultry pockets is a great idea.

Indeed, this was a great platform for exchange of knowledge between the industry experts, Poultry Farmers and the companies in the Livestock industry. There was an overwhelming response from all the stakeholders of the industry.

To give a brief update on our company Devee Group is one of the fastest growing manufacturing & marketing companies in India with its operations across the country for more than 23 years under the segment of livestock which includes Poultry, Aqua Culture & Ruminants. The success for the company's growth is credited to our quality products, industry well-wishers and to our experienced & trained sales / technical staff along with our channel partners who are dedicated & committed to provide the quality & timely service to the livestock customers across the country.



We sincerely thank all the Poultry farmers for having a great trust in our company and continuously providing support to us for over two decades. We would like to thank Tezasvi Events for bringing all the members in the poultry industry under one roof and had set a strong benchmark to the organisers, we wish many more such events to be organised to the benefit of the industry during the near future.

Thanking you,

Vishnu, Vice President  
Devee Biologicals Pvt Ltd,  
Plot No.81/10, Block D,  
2nd Floor, Street No.1,  
Patrika Nagar, Madhapur,  
Hyderabad - 500 081.  
(M): 96866 76265

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Dear Bharat Poultry Expo Team,



On behalf of Nutricon Biosciences Pvt Ltd, I would like to extend our heartfelt appreciation for the organization and execution of the Bharat Poultry Expo 2025 held in Nashik from January 18 to January 20. The event was exceptionally well-organized, providing a valuable platform for networking and showcasing innovations in the poultry industry. The layout of the stalls facilitated easy interaction, and we received a positive response from attendees regarding our products. We commend your team for their professionalism and dedication, which contributed to the overall success of the expo. The informative seminars on

the second day added significant value, enhancing our understanding of current trends and challenges in the sector. I also appreciate your gesture of awarding us with best performance stall this year. Thank you once again for your hard work and commitment. We look forward to participating in future events!

Best regards,

Dr. Anand Rohidas Narwade  
Technical Manager  
Nutricon Biosciences Pvt Ltd

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I, Ishwar Uttam Bhalerao, Area Manager at Aimil Pharmaceuticals India Ltd. in Poultry Division, participated in Bharat Poultry Expo 2025 organised by Tezasvi Events, Hyderabad at Nashik on 18 19 20 January 2025. Many farmers from Nashik and rural parts of Maharashtra attended this exhibition.

This type of Expo should be organised on a regular basis due to which farmers get new updates on farming as well due to such expos, new farmers are inspired to enter this Poultry profession.

I congratulate Tezasvi Events on behalf of Aimil Pharmaceuticals India Ltd for organising this type of Event.

Ishwar Uttam Bhalerao,  
Area Manager,  
Aimil Pharmaceuticals, India Ltd.,  
Pune. (M): 9021738746

## Successful Bharat Poultry Expo 2025 At Nashik



The India Poultry Expo 2025, held in the memory of late Shri B.V. Rao, the father of the poultry industry in India, was a remarkable success. The event took place at the Thakkar Dome, a renowned venue in Nashik. It is the third-largest district in northern Maharashtra, is celebrated as the “Grape Capital of India” and is also famous for its wine production. The city holds significant religious importance, with deep ties to the Ramayana, and its favourable climate and soil make it ideal for onion cultivation. Known as “Mini Maharashtra,” Nashik mirrors the diverse weather and soil conditions of the Konkan, Vidarbha, and western regions of the state. With a rich history in poultry production, Nashik proved to be the perfect location for hosting our 26th Poultry Expo and 5th edition of the event in the city.

### About Bharat Poultry Expo

The Bharat Poultry Expo embarked on its journey in 2004 with the primary goal of serving poultry farmers in rural areas, where the true spirit of farming thrives. We are deeply committed to honouring the vision of the late Padmashri B.V. Rao, who believed that rural farmers form the backbone of the poultry industry. Our mission is to empower these communities, which, despite their large numbers, often remain underserved and underrepresented.

Many of the latest advancements in poultry farming fail to reach them for various reasons, and we have taken it upon ourselves to bridge that gap through our periodic exhibitions. Our efforts have been widely recognized, and each expo has successfully impacted those in need







within rural areas. The consistent support we receive at every event is a true reflection of the importance of our mission.

The concept of hosting expos in rural regions has sparked immense enthusiasm, prompting us to expand our exhibitions from once a year to twice annually in order to meet growing demand. To date, we have organized 25 editions in various locations across the country, including Vijayawada, Namakkal, Hyderabad, Rajahmundry, Raipur, Patna, Lucknow, Gorakhpur, Guwahati, Belgaum, and Nashik. We are proud to announce that this marks our successful 5th expo in the vibrant city of Nashik.

The event was further enhanced by the dynamic anchoring of Dr. Manoj Shukla, a renowned poultry consultant from Raipur. His engaging shayaris brought a unique charm to the proceedings.

The dignitaries, before start of the inaugural session lighted the traditional lamp and worshipped Lord Ganesh and the doyen of Poultry Industry Dr Padmashri B V Rao.



Shri C. Vasant Kumar, Founder President, Poultry Farmers' and Breeders' Association, Convenor Pan India Broiler Coordination Committee, Special Invitee Shri Amol Khatal, MLA, Sangamner, Shri Uddhav Ahire, Chairman, Anand Agro, Nashik, Dr. Ajay Deshpande, President Vets In Poultry, Dr. Anil Phadke, M.D. A.J. Poultry Pvt. Ltd. Nashik, Dr. Uttamrao Bhauji Thombare, Chairman Ujwal Agro & Breeding Farm, Nashik, and Mr B. V. Shivshankar, Organiser, Bharat Poultry Expo and other dignitaries of the region were invited on to the Dais.

Mr. Vasant Kumar, President Poultry Farmers & Breeders Association (MH), Convenor PAN India Broiler Coordination committee. highlighted his deep understanding of the challenges of farmers and the poultry industry facing and the necessary steps to address them. Emphasizing the need for better protection and support for small poultry farmers, he acknowledged the success of including eggs in the mid-day meal scheme but stressed that further expansion is essential. He pointed out that during the





Shraavana (August) month and other festival seasons, poultry transactions dip significantly, leaving just eight months for the industry to recover. He urged the MLA to advocate for government intervention to reduce the cost of poultry feed grains, alleviating the financial strain on farmers. He also expressed appreciation to the government for reopening the export channel for Nashik's chicken to Oman. He clarified that the exhibition is not intended to compete with other agricultural events but to strengthen the poultry industry in Maharashtra as a whole. Finally, he highlighted the advantages of poultry farming, noting that while fish farming requires 6-8 months, chickens are market-ready in just 35 days. He appreciated Shri B. V. Shivashankar for his efforts in making this event to happen.

Shri. Amol Khatal, MLA, Sangamner, began by expressing his heartfelt gratitude to everyone, acknowledging that poultry has long been an overlooked sector. Coming from a small farming family himself, he understands the challenges faced by farmers and the poor. He addressed the widespread misconceptions about the medicines and injections administered to chickens during disease interventions, emphasizing the need for greater clarity on this issue. He expressed



his full support for the farmers, urging them to come forward with their concerns so that they can collectively approach the government. The MLA Amol Khatal also offered to arrange a meeting with the relevant government officials at any time. He was so happy that Shri B. V. Shivashankar is very perseverant in making this event a reality against all odds.

Dr. Ajay Deshpande, President, Vets In Poultry, Pune. remarked that Nashik has long been a poultry hub, setting an example for how the industry should operate. The city has established itself as a key supplier of poultry products to Delhi. He emphasized the importance of holding such expos annually in Nashik to continue promoting and supporting the industry. Against all odds and resistance from higher authorities, Shri B.V. Shivashankar's perseverance and strategic leadership turned the event into a remarkable success, proving that true vision and dedication can triumph over any challenge.

Mr. Uddhav Ahire, Chairman, Anand Agro, Nashik. pointed out the delays in obtaining permission for poultry units from gram panchayats, along with the rising charges, which are hindering the growth of poor farmers. He expressed hope, noting that the agricultural







minister is from Nashik, and suggested that they approach him together to resolve these issues. He also described this year's Nashik Kumbha as a pivotal expo, highlighting the industrious nature of Nashik's people. Mr. Ahire encouraged young visitors to the expo to feel inspired and positive about the poultry industry, urging them to consider getting involved. Despite facing opposition from influential figures and powerful forces, Shri B.V. Shivashankar remained steadfast in his vision, overcoming every obstacle with unwavering determination and resilience. His relentless dedication and leadership not only ensured the event's success but also reinforced his commitment to uplifting the poultry industry and supporting rural development.

Dr. Prashant Dharmadhikari, District Deputy Commissioner of Animal Husbandry Department, Nashik emphasized the importance of drawing the government's attention to the challenges faced by farmers in managing their backyard poultry. He stressed that if health issues arise within a flock, farmers should have access to proper veterinary care, highlighting the urgent need for greater awareness. He also mentioned his active involvement in poultry-related work



and assured farmers that he is always available to assist them whenever needed. He appreciated the tough efforts put by Shri B. V. Shivashankar in conducting the event fifth time successfully.

Shri B.V. Shivashankar, the organizer, warmly welcomed all dignitaries and expressed deep appreciation for their support, essential to the event's success. On behalf of Tezasvi Events, he thanked farmers, officials, veterinary professors, doctors, exhibitors, and stakeholders for their active participation. He acknowledged the Venkateshwara Group for its continued support and expressed gratitude to Anuradha Desai, Chairperson of VH Group, for encouraging such events, particularly in rural areas. He also thanked exhibitors for their support from time to time in making the expos a reality and extended special appreciation to Nutridian Animal Health and Sylon Bio-Pharma Pvt Ltd., for sponsoring the technical seminar and Visitors Pass.

While many focus on metro cities, Tezasvi Group has prioritized hosting expos in smaller cities. Nashik, historically a significant city, has become a major hub for poultry in western India, with a layer population of 28 lakh, broiler population of 1.5 crore, and breeder population





of 7 lakh approximately. The region benefits from abundant raw materials like maize and soybean and a strong market from neighbouring states such as Gujarat, Madhya Pradesh, and Chhattisgarh. The organiser remains optimistic about continued growth in the sector.

This three-day expo provided a valuable platform for farmers to connect with national and international breeders, hatcheries, pharmaceutical companies, equipment manufacturers, and traders in the egg and chicken industries. Expert-led seminars offered meaningful insights for farmers and local professionals.

India ranks second in global egg production and fourth in broiler production, thanks to visionaries like the late Padmashri Shri B.V. Rao. However, per capita poultry consumption remains low at an average of 70 eggs and 4-5 kg of chicken per person annually. This is due to cultural habits, religious sentiments, limited nutritional awareness, lack of promotional campaigns, and insufficient efforts by state governments to include eggs in school mid-day meals and Anganwadis.

Addressing these challenges is crucial for



protecting the industry from natural disasters and market fluctuations. The organiser urged industry leaders to collaborate and develop long-term strategies. As a publication house, he assured continued support and prayed for the prosperity of all participants. He highlighted Nashik's strategic role in poultry feed production and appreciated the enthusiastic response from the local community in hosting the expo.

Later Mr Vasanthkumar C Setty, Chief Guest declared the expo opened by cutting the ribbon. Later all the dignitaries visited the stalls.

The second day began with a technical session. The well attended farmers, doctors and scholars listened the following topics with utmost care and attention. Dr Manoj Shukla apart from playing an anchor role, he also acted as convenor for the session.

1. Immunosuppression Diseases of Poultry; Prevention and Control Strategy – Dr. Rajendra Pawar, Assistant General Manager of Technical Services at Poultry
2. Handling Challenges of Broiler Farming - Dr. Dharendra Kumar, President Vesper Group







3. Importance of Bio Security in Poultry Industry - Dr. Venkat M. Shelke, Head- Technical Services (Health) Kemin Industries South Asia Pvt. Ltd.
4. Calcitrol D-The Nutritional Revolution - Dr. Ramdas Kambale, CEO and founder member, Glocrest Pharmaceutical Pvt. Ltd.
5. Toxicity a Big Challenge for Poultry - Dr. Manoj Shukla, Poultry Consultant Raipur

At the end of each session, the speakers were honoured with a shawl and memento by the organiser and De Manoj Shukla.

The Day three was witnessed with a colourful valedictory function wherein all the exhibitors were presented with mementos by Dr Baburao R Narwade, De Ramakant Ramkishan Kale, Dr D.B. Patil, Dr Sahebrao Rathod, Dr Bhagat, Dr Manoj Shukla and the organiser.

As usual we have arranged to honour with three best decorated stalls and arranged a committee under the leadership of Dr Sahebrao Rathod, Dr Manoj Shukla and Dr Bhagat. The committee has declared the three winners out of total

decorated stalls as under:

1. Venkateshwara Group
2. Intas Pharmaceuticals Ltd & Adventis Biolabs
3. Vesper Group

Not to undermine other decorated stalls, the committee has also declared the awards as “Best Performance Stall” and they are:

1. Glocrest Pharmaceuticals Pvt Ltd.,
2. Nutricon Biosciences Pvt Ltd.,
3. Devee Biological Pvt Ltd.,
4. Quality Systems & Equipments Pvt Ltd.

Tezasvi Events profusely expressed their sincere gratitude to the dignitaries involved in making the expo a grand success despite many hurdles created to block the expo by highly ranked people in the region.

The expo ended with a satisfactory note.





## Visiting the Stalls by the Dignitaries





# Technical Session of Bharat Poultry Expo at Nashik



Dr. Rajendra Pawar on Immunosuppression Diseases of Poultry; Prevention and Control Strategy



Dr. Rajendra Pawar being honoured



Dr. Dhirendra Kumar on Handling Challenges of Broiler Farming



Dr. Dhirendra Kumar being honoured



Dr. Venkat M. Shelke on Importance of Bio Security in Poultry Industry



Dr. Venkat M. Shelke being honoured



Dr. Ramdas Kambale on Calcitriol D-The Nutritional Revolution



Dr. Ramdas Kambale being honoured



Dr. Manoj Shukla on Toxicity a Big Challenge for Poultry



Dr. Manoj Shukla being honoured



## ☞ Visiting the Stalls by Tezasvi Team ☜





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## ☞ Visiting the Stalls by Tezasvi Team ☜





## Distribution of Mementos to the Participants



Venco division receiving the memento



VRB division receiving the memento



B.V. Bio-corp pvt. ltd. receiving the memento



VIL-AHP division receiving the memento



Ventri Biological receiving the memento



Uttara Impex pvt. Ltd. receiving the memento



Quality Systems and Equipments Pvt. Ltd.  
receiving the memento



Kamal Ganga Manufacturers and Traders  
receiving the Memento



## Distribution of Mementos to the Participants



Reliable Hi-tech Industries  
receiving the memento



Vesper Group  
receiving the Memento



Chishtiya Poultry Services Pvt. Ltd.,  
receiving the memento



Carus Laboratories Pvt. Ltd.  
receiving the Memento



Intas Pharmaceuticals Ltd.  
receiving the memento



Adventis Bio Labs  
receiving the Memento



Saife Vetmed Pvt. Ltd.,  
receiving the memento



Top Syringe Manufacturing Co. Pvt. Ltd.  
receiving the Memento



## Distribution of Mementos to the Participants



S.G. Equipments  
receiving the memento



Himalaya Wellness  
receiving the Memento



Keyul Enterprises  
receiving the memento



Karamsar Poultry Equipments  
receiving the Memento



Nutricon Biosciences Pvt. Ltd.  
receiving the memento



Nutridian Animal Health  
receiving the Memento



E C Poultry Care & Services  
receiving the memento



Megastar Coolers Pvt. Ltd.  
receiving the Memento



## Distribution of Mementos to the Participants



Solman Health Care  
receiving the memento



Elevated India Biotech  
receiving the Memento



Karamsar Poultry Pvt. Ltd.  
receiving the memento



Supr Enviro Farms Pvt. Ltd.  
receiving the Memento



I Care Health & Fitness  
receiving the memento



Beijing Strowin Biotechnology Co. Ltd.  
receiving the Memento



Giriraj Chemicals receiving the memento



Aimil Pharmaceutical India Ltd.  
receiving the Memento



## Distribution of Mementos to the Participants



Sainath Agro  
receiving the memento



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receiving the Memento



Glocrest Pharmaceutical Pvt. Ltd.  
receiving the memento



Aadya Biological  
receiving the Memento



Poultry Federation of India  
receiving the memento



Vets in Poultry  
receiving the Memento



Anowin Pharma  
receiving the memento



Doctors Vet Pharma  
receiving the Memento



## Distribution of Mementos to the Participants



Santkrupa Eneering receiving the memento



Deore Poultry Equipments receiving the Memento



Yash Layer Pullet growing receiving the memento



Animal Husbandary Department receiving the Memento



Dr. Sahebrao Rathod receiving the memento



Dr. Bagath receiving the Memento



Dr. Baburao R Narwade being felicitated by Dr. DB Patil, Dr. Manoj Shukla & B.V Shiv Shankar



B.V. Shiv Shankar being felicitated



## Distribution of Mementos to the Participants



Heal Ricch  
receiving Memento



Dr. Manoj Shukla being felicitated



Dr. DB Patil receiving Memento on behalf of  
Dr. K.P. Kale



Dr. DB Patil receiving Memento on behalf of  
Shri Sanjay K Deore



### Mr. G. M. KASAR has Joined Aadya Biological



Mr. G. M. KASAR has Joined Aadya Biological as National Head. He had previously served with C & M and Supreme Equipments , Nashik. He has huge experience of 30 years service in Poultry Industry .

Poultry line wishes him best wishes for his new venture



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