



## Editor's Note

Dear Members,

We are pleased to share the latest issue of INFAH Connect. Your continuous response and support have motivated us to bring forth this newsletter and the issue updates on various activities of INFAH, trends in Veterinary industry and upcoming events.

As you all are aware, the National Action Plan for Antimicrobial resistance has been drafted. Apart from Government of India, number of international agencies are collaborating and raising their concerns on usage of antibacterials both in humans and animals. Being a responsible industry, INFAH has shared the concern of antimicrobial resistance at various national and international forums viz WVD events, WHO-AGISAR, 17<sup>th</sup> Indian Veterinary Congress, WHO-INFAH Workshop and 27<sup>th</sup> OGA and 5<sup>th</sup> MA of HFA. INFAH has expressed that the prime focus of Antimicrobial Resistance resides in human healthcare and antimicrobial use in the sector. Even then as an industry responsible for feeding billions we are committed for safe and healthy animal products to the consumers.

We are pleased to inform that INFAH efforts for exemption of feed supplements have yielded positive results. Even the subsequent representation on Dicalcium Phosphate has been considered favourably by the government.

We are also pleased to share the initiative taken by HR subcommittee in organizing HR Conclave- a brainstorming session on talent acquisition and better manpower sourcing to ensure the industry demands and expectations are met in the best possible manner. In the era of digitalization, we at INFAH have made a move to signify our presence on social media by creating a platform for the industry to share, learn from our experiences and complement the efforts. INFAH would have its page and profile on Facebook, Linked-In and Twitter.

Our honourable President, Dr. Arun Atrey shared his consensus which is covered in the I-Connect section of the newsletter. Furthermore, we have covered industry news across the globe for our readers. In the upcoming events, we have shared information on upcoming events of our industry. Also, save the date for the 6<sup>th</sup> Annual General Meeting on 11<sup>th</sup> August 2017, going to be held in Mumbai.

I hope you will enjoy this issue and share your feedback. Together we shall enrich this endeavour and help it evolve with knowledge and insights. You can reach us on [infahconnect@infah.org](mailto:infahconnect@infah.org)

Looking forward to your active participation.

With regards,

Vijay Teng

General Secretary

INFAH



Celebrates World Veterinary Day



Veterinarians across the country celebrated World Veterinary Day on 29<sup>th</sup> April' 2017. INFAH commemorated the occasion with its participation in Anand, Bengaluru, Delhi and Mandya. At Anand Veterinary College – AAU, a technical seminar on 'Antimicrobial Resistance- from Awareness to Action' was organised in collaboration with Gujarat Veterinary Association – GVA, while at Veterinary College KVAFSU – Bengaluru, free healthcare and fodder distribution camps were organised for companion animals and livestock respectively. At Delhi, the Vets of Delhi and NCR organised technical seminar and get together which was attended by majority of practicing companion animal Veterinarians and Veterinarians associated with MCD, DADF and ICAR. At Mandya, a technical seminar was organised in collaboration with KVA for Field Veterinarians. The events had participation of State and Centre employed Veterinarians, private companion animal Vets and academicians along with eminent Vets viz Dr V R Madhavadia, President, GVA; Dr Hita Patel, Director, Department of Animal Husbandry (Gujarat); Dr A K Srivastava, Member, ASRB, New Delhi; Dr N C Patel, Vice Chancellor, AAU and many others.

**Participated in WHO-AGISAR and  
 FAO India Project Workshop on AMR**



The Post Graduate Institute of Medical Education and Research (PGIMER) in joint collaboration with World Health Organisation, US-FDA and NC State University, US organized one day workshop to concise their findings on 'Monitoring the Antimicrobial Resistance profile of bacterial food borne pathogens in humans, food animals and retail meat in India' on 25<sup>th</sup> April 2017 at PGIMER Campus, Chandigarh.

The WHO project was a collaborative effort of PGIMER and Department of Public Health and Epidemiology, C.V.Sc, G. B. Pant University of Agriculture and Technology (GBPUAT). The studies highlighted that antimicrobial resistance in humans is a common finding in hospitals. Although this resistance has multiple sources and contaminants, food animal products is a probable source for transfer of antimicrobial resistance and animal health professionals have a role to play. The workshop was presided by Dr Awa Aidara-Kane, Coordinator Foodborne Diseases and Zoonosis Unit, Department of Food Safety and Zoonoses, World Health Organization and had participants from all related subjects debating the role of all agencies and way forward for control of AMR in humans. The other eminent technocrats attending the workshop were Dr Ruby Singh, US-FDA, CVM; Dr. Paula J. Fedorka-Cray and Dr Siddhartha Thakur, NC State University, US; Dr Rubeena Shaheen, Director, Food Safety and Standards Authority of India (FSSAI); Dr. Neelam Taneja, PGIMER; Dr Ajay K Upadhyay, GBPUAT; Dr Rishendra Verma, IVRI and Dr C B Singh, Practicing Veterinarian, Chandigarh.



INFAH also participated in the workshop as the platform was the first multi-disciplinary approach towards One Health and AMR in humans. The team of INFAH presented the view of Animal health industry. It was highlighted that although Animal Health also needs to contribute towards prudent use of antimicrobials but the core of the solution remains with human use and the medical sector has a much important and higher responsibility to play. The team of INFAH was represented by Dr D K Dey, Vice President, INFAH; Dr Nitin Bhatia and Dr D J Kalita. INFAH also proposed to work collaboratively with Indian and global agencies to provide all support to ensure healthy animals, healthier India.

**HR Conclave**



Entry of fresh and competent talent in our industry is one of the key factor for realizing untapped potential and to have aggressive business growth. HR Subcommittee organised HR Conclave- a brainstorming session to identify the ways and mediums through which the talent acquisition and manpower sourcing can be facilitated. The event was organised at Orchid Hotel, Mumbai on 21<sup>st</sup> April 2017. The event had representation from various member companies of INFAH. The main agenda of brainstorming was "How to attract new talents to animal health segment" and other topics under discussion were job profile, career progression and retaining talents.

The chairman of HR Subcommittee, Dr. B P Manjunatha opened the event with brief note on INFAH and its various activities. He elaborated on initiatives undertaken by the HR

Subcommittee. Mr. Anandrup Ghose, Partner & Rewards Consulting Practice Lead, Aon Hewitt S. Asia was an external speaker invited to present the audiences with the business outlook of India and the trends observed in the manpower sourcing and retention in other industries. He highlighted the salary increase trends observed across APAC. He opined that the pay for performance in India is getting leaner and sharper every year. He also projected declining attrition rate with the no new emerging sector in the market. His presentation suggested the various initiatives the organizations are taking apart from compensation for retaining and attracting talent like learning and development, recognition programs, differentiated benefits, enabling work environment and structured career planning.



The members of HR Subcommittee shared their experiences of representing animal health industry at various colleges. Some of the suggestions came forward during the HR Conclave are INFAH contest, scholarship program in colleges, sharing success stories of alumni, heroes to share their professional journey at colleges, showcasing career path, promoting and branding animal health segment through various forum in social media linked to INFAH website, generating database of semi urban colleges and partnering with different universities to have inclusion of course.

Meeting was concluded by Dr. P G Phalke with his encouraging words on the activities of HR Subcommittee that motivated all the members.

**Actively participates in 17<sup>th</sup> Indian Veterinary Congress**



The 17<sup>th</sup> Indian Veterinary Congress and XXIV<sup>th</sup> Annual Conference of IAAVR and National Symposium on 'Newer Generation Vaccines, Diagnostics for Improvement of Animal

Health and productivity vis-à-vis Genomic Interventions for the social benefit' was organised on 8-9<sup>th</sup> April' 2017 at Indian Veterinary Research Institute (IVRI). More than 250 delegates including the academia, research community and industry participated in the conference.

INFAH actively participated in the conference. Dr Arun Atrey, President, INFAH presented about INFAH and its various initiatives. He highlighted the vision, mission and efforts of INFAH in ensuring that Animal Health industry is pro-active and responsive to the growing and changing needs of the country.

Dr Sunil Gupta, Indian Council of Medical Research (ICMR) and Mr Vijay Teng, General Secretary, INFAH co-chaired the session on Antimicrobials and AMR. Mr Vijay Teng presented the Animal Health Industry perspective with respect to AMR and highlighted the efforts of INFAH towards the same. He also highlighted that all of us have a definite role in the fight against antimicrobial resistance and by doing so, INFAH will be adhering to our moral obligation to the animals to ensure their better health and welfare.

During the session, Dr Nitin Bhatia and Dr D J Kalita also presented the view of Industry on Antimicrobial resistance and its relevance to Animal health industry.

**Proceedings of Round Table on "Guidelines for Antimicrobial Standards in Livestock" released**



Indian Federation of Animal Health Companies (INFAH) and Indian Association for the Advancement of Veterinary Research (IAAVR) had co-organised a Round Table on 'Guidelines for Antimicrobials Standards in Livestock Healthcare' during the 16<sup>th</sup> Indian Veterinary Congress, 23<sup>rd</sup> Annual Conference of IAAVR and National Symposium at College of Veterinary Science and Animal Husbandry, Orissa University of Agriculture and Technology (OUAT), Bhubneshwar on 27-28<sup>th</sup> February' 2016. The proceedings of the same was released by Dr Trilochan Mohapatra, Secretary and Director General, DARE and Indian Council of Agricultural Research (ICAR); Dr Manmohan Singh, Special Chief Secretary, Government of Andhra Pradesh; Dr R K Singh, Director and Vice Chancellor, Indian Veterinary Research Institute (IVRI) and Executive committee of IAAVR during the inaugural session of 17<sup>th</sup> Indian Veterinary

Congress and XXIV<sup>th</sup> Annual Conference of IAAVR and National Symposium on 'Newer Generation Vaccines, Diagnostics for Improvement of Animal Health and productivity vis-à-vis Genomic Interventions for the social benefit' on 8<sup>th</sup> April' 2017.

The proceeding includes an overview of the Animal health antimicrobials, their role, market and regulations to ensure prudent and judicious use of these antimicrobials. All presentations of the round table are included in the proceedings to provide a complete view on the subject. The proceeding is a collaborative effort of INFAH and IAAVR edited by Dr Rishendra Verma, Mr Vijay Teng and Dr Nitin Bhatia.

**27<sup>th</sup> OGA and 5<sup>th</sup> MA of HFA**



The 27<sup>th</sup> Ordinary General Assembly and 5<sup>th</sup> Member Associations Forum was organised on 29<sup>th</sup> March 2017 at Washington DC. The event was attended by the global pharmaceutical firms and animal health associations of various nations across the world.

**5<sup>th</sup> Member Associations Forum**

INFAH participated in the 5<sup>th</sup> Member Associations Forum along with AAHA (South East Asia), AMA (Australia), AHI (US), BIT (Germany), CAHI (Canada), IFAH (Europe), JVPA (Japan), NOAH (UK), SIMV (France), SINDAN (Brazil) and VETERINDUSTRIA (Spain). INFAH was represented by Mr. Vijay Teng, General Secretary INFAH.

The forum observed open discussions and view sharing on political theme, regulatory theme and communication theme.

AMR + Responsible Use of Antibiotics- the topic under the political theme was introduced by the leadership team chair followed by open discussion between member Association leaders and other participants who shared their experiences and views. It was decided that HFA would develop good practice guide which can be used for communicating with the authorities to help ensure that the AMR plans they develop are balanced. INFAH actively participated in the session and shared the activities undertaken by INFAH to handle the AMR issue. INFAH briefed the audiences about the round table conference which was organised to raise the awareness on usage of antimicrobials in animal healthcare and its impact on human healthcare. INFAH also shared about the

interactions done with FAO including the workshop conducted with FAO to convey the facts about the antimicrobial usage in animal healthcare and opinion of Animal Healthcare sector.

Illegal products and counterfeiting was the topic of discussion under the regulatory theme. It was decided during the meeting that an external contractor will be given the task to draft a report on illegal products and counterfeiting. The report will identify the perceived scale of the problem and countries at highest risk, relative importance of the different categories of illegal products, type of perpetrators and evidence of impacts, effective measures to counter the

problem, learning from other sectors and will provide recommendations for action. INFAH presented the scenario of counterfeits in India. INFAH also discussed the steps INFAH is taking to create awareness on protection of intellectual property and providing guidance on reporting such issues. Mr. Satish Pasrija is nominated as point of contact from INFAH to provide more details on issue of counterfeits from India.

Communication collaborations was emphasised under the communication theme. The importance of close collaboration with the associations to make communication and outreach effective was stressed upon. HFA demonstrated the materials and tools for effective communication among the associations and also to communicate with society and stakeholders. INFAH suggested the ideas for communication themes and outreach programs relevant to India.

The MAs Forum was concluded with tour de table to identify the topics HealthforAnimals should focus on and propose ways to help the MAs advance the industry priorities at their level. Three broad things were identified during this are development of issue tracker to gather issues arising in various countries and identifying the ways to tackle it. The second important topic pointed was to increase the regulatory harmonisation and thirdly focussing on customers i.e. authorities, veterinarians, farmers and pet owners.



**27<sup>th</sup> Annual General Assembly**

The event was attended by member companies and member associations. The President of HFA, Mr. George Heidgerken, presented the state of the animal health industry, highlighted its favourable position, its challenges, strengths and

opportunities and proposing a way forward for our industry. He highlighted the major actions and accomplishments of 2016 and elaborated on the areas which would be under focus in 2017. Mr. Carel du Marchie Sarvaas, the Executive Director, presented the proposed programme of activities for 2017 which includes key topics:

- Antimicrobial resistance (ensure positive UN+G20 AMR reviews and WHO plan implementation, counter scientific miscommunication, support OIE to drive balanced outcomes)
- Biotech vaccine acceptance (produce global guidance for associations, communicate vaccination benefits)
- Scientific decision-making (create/activate global food/ag coalition to communicate, counter undue political influence in regulatory decisions (Codex+))
- Pharmaceuticals in the environment (make global assessment of threat and determine possible actions)
- Opportunities to facilitate trade (assist AHI/IFAH-EU to provide input to US and EU trade teams)

The event concluded with voting session and appointment of new board members. Mr. George Heidgerken presented Mr. Jean Szkotnicki (Head, CAHI, Canada) with an award in recognition of over 25 years of dedicated commitment to the animal health industry.

Source:HealthforAnimals

### Representation to Department of Custom



The Department of Animal Husbandry, Dairying and Fisheries (DADF), Ministry of Agriculture, GOI regulates the matters related to livestock production, preservation, protection and improvement of the stocks. DADF notified the lists of products which are categorised as Feed Additives or Feed Supplements. The products mentioned in the list, are used in animal feed & thus fall under Chapter 23 (09) of the Customs Tariff. The lists of products are in synchronization with the HSN code.

However, in the recent past many of our member companies importing these products- were facing difficulties in clearing the goods due to misinterpretation & misclassification of such products in chapter 29 instead of chapter 23 (09) at custom clearance port.

To resolve the issue INFAH made a representation to Mr L Satya Srinivas, JT Sec. Custom, New Delhi on 7<sup>th</sup> March 2017. Understanding the issue, Commissioner of Central Board of Excise and Customs had assured to resolve the issue at the earliest possible.

### WHO-INFAH Workshop on AMR organized



On 16<sup>th</sup> February' 2017, a collaborative workshop was organized by World Health Organization (WHO) and INFAH on 'Antimicrobial Resistance' at Waterstones Hotel and Club, Mumbai. The workshop was attended by around 25 associated members of INFAH and the group deliberated on the role of Animal Health industry and environment in Anitimicrobial Resistance in human beings. Dr Rajesh Bhatia, Regional Technical Advisor for AMR, Emergency Center for Transboundary Animal Diseases (ECTAD), FAO entitled the group on One Health, AMR, National Antimicrobial Action plan and role of FAO in the same.



Dr. Nitin Bhatia and Mr Shraman Jha shared the animal health industry view for AMR on behalf of INFAH. Mr Satish Pasrija provided a glance of INFAH and its initiatives. Dr. Pasrija expressed the interest of INFAH to collaborate with FAO and other government bodies for working towards the issue of AMR in humans. The workshop had group discussions on the responsibility and role of Animal Health Industry in controlling AMR in human.



**Participated in AQCS Outreach Program**



On 15<sup>th</sup> February' 2017, the Animal Quarantine and Certification Services of Department of Animal Husbandry, Dairying and Services (MOA), Mumbai organized one day outreach program for industry at Navi Mumbai.

Dr Rajiv Khosla, the Regional Officer was in the organizing team with the prime idea to resolve queries pertaining to exports and imports of feed additives and animals etc with an effective technical justification. Dr Smita Mahajan, Dr Mubeen Patel and Dr Jeetendra Verma represented and participated in the program on behalf of INFAH Imports and Exports Sub-committee. The industry endorsed the fact that they would adhere to the outlined requirements and do all possible to ensure effective justification and documentation would be in place for speedy clearance of products.

**Participated in National Round Table on Poultry Sector**



Indian Council of Food and Agriculture (ICFA) organised the National Round Table conference on 14<sup>th</sup> December 2016 at India International Centre, New Delhi. The event was attended by policy makers, poultry professionals and animal healthcare industry. The objective was to address the various challenges faced by the poultry industry and deriving a way forward considering the increasing future demands.

The event had representation from Ministry of Agriculture (MOA), Department of Animal Husbandry, Dairying and Fisheries (DADF), ICAR, Poultry Federation of India, Agrinnovate India, INFAH and several animal healthcare and poultry companies.

The event observed key deliberations from Dr. S. K. Malhotra, Agriculture commissioner, GOI; Dr. M. J. Khan, Chairman, ICFA; Dr. O. P. Chaudhary, Joint Secretary, DADF; Dr. K. M. L Pathak, Vice Chancellor, DUVASU, Mathura; Dr. R. S. Gandhi, Asst. DG, ICAR, Dr. Ramesh Chander, President Poultry Federation of India, Mr. Ravinderjit Singh, Agrinnovate India, Mr. Ashok Kumar, President, Karnataka Poultry Federation and many more.



INFAH was represented by Dr. P. G. Phalke, Dr. Vijay Makhija and Dr. Shirish Nigam. INFAH suggested following reforms for advancing the poultry industry towards future needs.

1. Need to shift the focus of government from food security to protein security and accordingly developing the communication and promotion plans.
2. Ensuring availability of talented manpower by strengthening the courses of poultry diplomas and degrees under the affiliation of Universities. Emphasised on annual need of more than 10,000 people for the industry.
3. Suggested to do away with the agriculture commodity mandi regulations and cess on agriculture commodity.
4. The poultry firms like feed mills, breeder farms, hatcheries and processing plants should be upgraded with latest technologies. Government can support by way of interest subvention or by offering grants.
5. Egg, chicken or any of its inputs have to be in Zero duty in GST.
6. Importation hurdles of feed additives should be resolved. INFAH suggested to explore the possibilities of digitalization
7. Import Duties on feed additives should be brought to the level of other APAC countries to make local poultry industry competitive
8. GOI should expand the scope of Eggs in Mid Day meal program
9. Formation of National Poultry Mission and involving all poultry stakeholders
10. GOI to leverage communication campaigns to create awareness on Poultry Protein similar to Jaago Grahak Jaago

11. Railway Tariff classification of maize & soya
12. Duty Free Imports of Grand Parent Birds
13. Reinstate 80JJ – IT Deduction in respect of Gain from Poultry Farming
14. Simplified FSSAI Compliances & Rules
15. Protection of Indian Poultry from influx of cheaper leg quarters from USA

### GST – On Way Forward

We all are aware that GST list is under finalization and is expected to be implemented from July' 2017. We at INFAH along with KPMG have been working to ensure that feed supplements are exempted from GST and represented the concerns to Ministries associated. The first GST list was released on 18<sup>th</sup> May' 2017 and feed supplements were classified under the exempted category. Subsequently, INFAH has represented the industry concerns for feed grade Dicalcium phosphate (DCP) and the same was exempted after representations to Ministry of Agriculture and Finance. DCP feed grade later appeared in the list of 11<sup>th</sup> June' 2017 as an exempted from GST.

INFAH once again thanks all the members, managing committee and very specifically the subcommittee for feed supplements led by Mr. Satish Pasrija for their untiring efforts towards GST representation.

### Making a Mark in the Digital Era

The momentous milestone in the digital shift has created an impact in bringing organizations close and flourish at an unprecedented rate. We at INFAH are establishing our presence on the social media circle as well. We are taking this initiative in order to create an interactive platform for our members and share the knowledge in a collective manner. INFAH will have its own Facebook page, a twitter handle and a LinkedIn page dedicated to unite the animal health industry.

Our social platforms shall encourage the members to come together and bring Veterinary professionals, livestock, poultry, aqua and companion animal stakeholders on a common platform. Besides unifying the animal healthcare community, these social media platforms will also increase awareness about the important role that the animal health industry plays in our daily lives. Inevitably, it will drive the animal health industry and attract top talents, thereby fulfilling the manpower needs of the industry.

We wish that our members will appreciate the initiative and contribute whole heartedly in bringing awareness in the various segments of the Animal Health Industry. We aim to make this platform interactive and simultaneously, we will keep the members updated with the ongoing and upcoming activities from INFAH.

One can reach us at [info@infah.org](mailto:info@infah.org) and suggest their valuable feedback. We invite every INFAH member to spread the word and assist in making this initiative a success.



### A Note from President



Antimicrobial resistance is the most debated topic these days. World Veterinary Day for the current year 2017 has also been celebrated on the theme "Antimicrobial resistance- From Awareness to Action". We all know that microbial resistance to antibiotics is a worldwide problem both for human as well as animals. It is generally accepted that the

main risk factor for the increase in antibiotic resistance is an extensive use of antibiotics which is applicable to all concerned associated with its use. The main cause of drug resistance in regard to human health lies within the health care sector. The antimicrobial agents used in animal care are also considered responsible for resistance in animal pathogen and in some cases; such resistant bacteria or resistant genes may get transmitted from animals to humans.

As you know, there has been continued controversy surrounding the use of antibiotics as feed additive for food animals. The basis of argument on the use of antibiotics even at low levels in animal feeds for food-producing animals comes from concerns about the development of antibiotic resistance in bacteria present in the animals and the potential for the transfer of those antibiotic-resistant bacteria to the public through the food chain. Although at first glance this may seem like a reasonable concern, a more in-depth examination of the data currently available on antibiotic-resistant bacteria of significance in human medicine leads to a different conclusion. Numerous scientific studies conclude that the evidence for a direct link between use of antibiotics as feed additive in animals and increase of AMR in human is so inconclusive.

The World Health Organization (WHO), the Food and Agriculture Organization (FAO) and the World Organisation for Animal Health (OIE) are working together to take collective action to minimize the emergence and spread of AMR. Addressing the rising threat of AMR requires a holistic

and multi-sectorial ('One Health') approach because antimicrobials used to treat various infectious diseases in animals may be the same or be similar to those used in humans.

The major focuses of the tripartite efforts on containment of AMR in animal healthcare are:

- Integrated surveillance,
- Awareness & training and
- Restriction on the use of critically important antibiotics in animals for therapeutic purposes & restriction in the use of antibiotics for growth promotion.

INFHAH is taking all possible initiatives to get engaged with all the stakeholders so as to build a consensus on this issue. Members of the respective subcommittee and the MC members have played very significant role in presenting the correct picture of the practices being followed in the animal health Industry, to dispel any myths of considering the Animal Health Industry as a major culprit, at different forums. I trust there is now far greater understanding about our position on the concern. However, we may have to continue our efforts till a clear consensus is built on the topic.

We too look forward to receive suggestions from our members as we are all unanimous in ensuring the judicious use of Antimicrobials as well as safe food.

**Dr Arun Atrey**

I- Connect is your space and your voice. Please feel free to share your opinions, thoughts and suggestions at [infahconnect@infah.org](mailto:infahconnect@infah.org).

## GLOBAL NEWS

### World Veterinary Day Celebrated Across the Globe

On World Veterinary Day, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) pay tribute to the crucial role played by Veterinarians in the fight against antimicrobial resistance. This year, the event focused on the action the profession can take to preserve the efficacy of antimicrobial treatments, which are essential resources to protect human health as well as animal health and welfare.

WVA President Dr René Carlson says: "The availability and use of antimicrobials are essential to ensure the good health and welfare of animals as well as people. After years of promoting awareness about the dangers of misusing antimicrobials, it is time we recognise the actions organisations around the world are taking to promote the responsible use of antimicrobials in both animals and people to prevent further development of antimicrobial resistance and the proper disposal of antimicrobials to protect our environment, such as our waterways and oceans. This is a

One Health issue for which all health care providers, both human and veterinary, must take personal responsibility".

Source: *World Veterinary Association, Press Release*

### FDA Ban on Powdered Medical Gloves Applies to Veterinary Use

US-FDA had imposed ban on all powdered surgeon's gloves, powdered patient examination gloves and absorbable powder for lubricating surgical gloves intended for use by humans in December 2016. In January 2017, an update has been released by FDA to ensure that veterinary stakeholders are aware that the ban applies to all powdered medical gloves used by humans except powdered radiographic protection gloves, including powdered medical gloves used in the practice of veterinary medicine.

Source: *CVM Updates, US-FDA*

### FDA issues warning about thyroid hormones in pet food and treats

The U.S. Food and Drug Administration (FDA) is advising veterinarians, pet owners and the pet food industry to be aware that pet food and treats made with livestock gullets have the potential to contain thyroid tissue and hormones. The FDA is issuing the alert following an investigation by the Center for Veterinary Medicine into three reports of dogs from different households that showed signs of hyperthyroidism. The FDA tested unopened cans of the food from suspected brands and confirmed that it contained active thyroid hormone, which is likely from the use of gullets from which thyroid glands were not completely removed before being added to the food.

Source: *CVM Updates, US-FDA*

### Pets alter infants' microbiota to lower risk of allergies, obesity

New research highlights the benefits of having pets around the house during childhood, after finding that early-life exposure from birth till 3months of age to dogs, cats or other furry animals may reduce the risk of developing allergies and obesity. Infants exposed to pets experienced significant increases in two beneficial gut bacteria: Ruminococcus and Oscillospira. Ruminococcus is linked to a reduced risk of childhood allergies, while Oscillospira has been associated with a decreased obesity risk.

Source: [www.medicalnews.com](http://www.medicalnews.com)

### Spider venom peptide may prevent stroke induced brain damage

Researchers found that the peptide Hi1a - present in the venom of the Australian funnel web spider - blocks ion channels in the brain that play a role in stroke-induced brain damage.

Study leader Prof. Glenn King, of the Institute for Molecular Bioscience at the University of Queensland in Australia, and colleagues recently published their findings in the Proceedings of the National Academy of Sciences.

Source: [www.medicalnews.com](http://www.medicalnews.com)



# NEWS CORNER INDIA

## Dr. Rameshwar Singh appointed as the first Vice Chancellor of Bihar Veterinary University



Bihar government on 12<sup>th</sup> June' 2017 issued notification appointing Dr. Rameshwar Singh as the first Vice Chancellor of the Bihar Veterinary University. Dr. Rameshwar Singh recently retired from the post of Project Director (DKMA), Indian Council of Agricultural Research (ICAR), New Delhi.

Dr. Rameshwar Singh is a postgraduate from National Dairy Research Institute (NDRI), Karnal in Dairy Microbiology. After completing his post graduation, Dr. Singh joined ICAR and got his first posting at Indian Veterinary Research Institute (IVRI). While in service he completed his Ph.D. mainly concentrating his research on Animal Nutrition and Microbiology. After completing 17 years of service at IVRI, Dr. Singh was posted to NDRI Karnal where he collaborated on various research along with ICMR and various other similar organizations in the field of microbiology. Since 2012, he was charge of project director (DKMA), ICAR.

## TANUVAS to offer course on Veterinary Anaesthesia

From the next academic year, TANUVAS will offer a new postgraduate programme - MVSc (veterinary anaesthesiology). The two-year course, being offered for the first time in the country, aims to train professionals in a branch of veterinary medicine so far neglected. Veterinary surgeons, who have long felt the need for qualified anaesthetists, welcomed the move. The programme will include one year of theory and one year of research. Graduates who have done their BVSc & AH from any veterinary college approved by the Veterinary Council of India can apply.

Source: *Times of India*, 16<sup>th</sup> May 2017

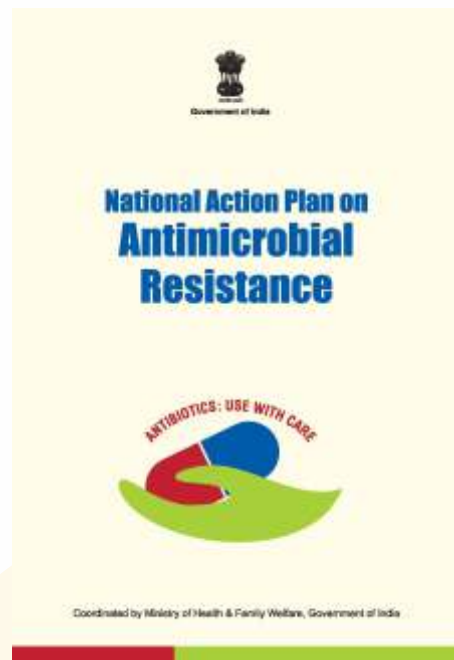
## AIPVT 2017 will now be held through NEET

As per the notification released, the Veterinary Council of India the All India Pre Veterinary Test (AIPVT) 2017 will be held through National Eligibility cum Entrance Test (NEET) 2017. VCI will use the merit list of NEET UG 2017 for allocation of

seats to all the recognized veterinary colleges. The admission will be to BVSc and AH course under 15 per cent all India quota.

Source: <http://indiatoday.intoday.in/education/story/nw-aipvt-2017-will-be-held-through-neet-says-report/1/892502.html>

## National Action Plan on Antimicrobial Resistance



The National Health Policy 2017 highlights the problem of antimicrobial resistance and calls for a rapid standardization of guidelines regarding antibiotic use, limiting the use of antibiotics as over-the-counter medications, restricting the use of antibiotics as growth promoters in animal livestock, and pharmacovigilance including prescription audits inclusive of antibiotic usage – in the hospital and community.

Government of India has finalized the National Action Plan on Antimicrobial Resistance (NAP-AMR) to outline the priorities and interventions planned to be implemented over 2017 – 2021 to tackle the public health challenge of AMR in India. A governing mechanism for implementing NAP-AMR is divided into 3 groups i.e. intersectoral coordinating committee, technical advisory group and core-working group.

Following are the specific objectives of the NAP-AMR:

1. Define the strategic priorities, key actions, outputs, responsibilities, and indicative timeline and budget to slow the emergence of AMR in India and strengthen the organizational & management structures to ensure intra- & inter-sectoral coordination with a One Health approach;
2. Combat AMR in India through better understanding and awareness of AMR, strengthened surveillance, prevention of emergence and spread of resistant bacteria through infection prevention and control, optimised use of antibiotics in all sectors, and enhanced investments for AMR activities, research and innovations; and
3. Enable monitoring and evaluation (M&E) of the NAP-AMR implementation.

Source: *National Action Plan on Antimicrobial Resistance, GOI*

## Dr Hari Babu takes charge as Vice Chancellor, SVVU



On 17<sup>th</sup> April' 2017, Dr. Y. Hari Babu, an alumnus of the College of Veterinary Science, Tirupati assumed charge as Vice-Chancellor of Sri Venkateswara Veterinary University (SVVU).

Dr Babu earned his B.V.Sc degree (1974) and M.V.Sc (1980) in Veterinary Microbiology from

College of Veterinary Science, Tirupati and PhD in Biotechnology from Jawaharlal Nehru Technological University, Hyderabad. He has also acquired MBA in Public Enterprise from Institute of Public Enterprises, Osmania University, Hyderabad, Post Graduate diploma in Ecology and Environment from Indian Institute of Ecology and Environment, New Delhi and Post Graduate diploma in Bioinformatics from Bioinformatics Institute of India. Starting off his career as a Veterinary Surgeon, he had a vast experience of about 38 years in various capacities such as Professor and Head, Veterinary Microbiology for about 14 years, Deputy Chief General Manager (Quality Control) in Oral Polio Vaccine Unit, BIBICOL; Dean of Veterinary College, Bidar; University Librarian; Controller of Examinations and Director of Instruction (PGS), Karnataka Veterinary, Animal and Fisheries Sciences University KVAFSU, Bidar.

## Indian VETopia- 2017 : India's one of a kind Veterinary Expo held in Gurugram

National Veterinary Foundation (NVF) India, held its first Indian VETopia-2017 at "Kingdom Of Dreams" in Gurugram NCR, New Delhi from 7<sup>th</sup> to 9<sup>th</sup> April 2017. National Veterinary Foundation® (NVF) works for the advancement of veterinary profession and research in India. Indian VETopia-2017 is an international tradeshow displaying pet, avian and aquarium products that is going to be held annually in INDIA. Indian VETopia-2017 also hosted lectures and vet labs by renowned international speakers for about 500 leading vets from India and other Asian countries with an aim of improving the standard of pet health care in India. Indian VETopia-2017 also hosted a Pet Health Show on all three days along with a master lecture for pet owners by a world known pet psychologist and leading vets from India. The other attractions of the event were, Pet Talk Show, Run for a Cause, Pet Fashion.

<https://www.dogspot.in>

## Dr Rahman joins ILRI as new regional representative for South Asia

On 3<sup>rd</sup> April' 2017, Dr Habibar Rehman has joined International Research Institute (ILRI) as its new regional representative for South Asia and will be based in ILRI South Asia regional office in New Delhi. Prior to his appointment,

Rahman was Deputy Director General (DDG) of Animal Science division at Indian Council of Agricultural Research (ICAR).

Previously, he played senior roles in the ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI), the ICAR Research Complex of North Eastern Hill Region, Gangtok and Shillong. He was also Head of the Veterinary public health division of the ICAR-Indian Veterinary Research Institute (IVRI), Bareilly.



Dr Rahman graduated in Veterinary Sciences from Assam Agricultural University, M.V.Sc

from Punjab Agricultural University (P.A.U) and Doctorate in Microbiology and Public health from Govind Ballabh Pant University of Agriculture and Technology (GBPUAT), Pantnagar. He pursued his postdoctoral training at the Robert Koch Institute, Germany and the University of Utah, Salt Lake City, USA. He has a vast experience of more than 30 years in the field of microbiology and biotechnology, has handled more than 20 research projects and is recipient of many awards and laurels.

## Dr. R. S. Khanna is now FSSAI Member for Industry Review Group on Milk, Milk products and Beverages

Dr. R. S. Khanna, current Chairman of Kwality Limited has



been appointed by the Food Safety & Standards Authority of India (FSSAI), New Delhi as member for the Industry Group on Milk and Milk Products and Beverages (including Alcoholic Beverages). He has also been nominated by PHD Chamber of Commerce & Industry as the Co-Chairman of the Agribusiness and Food Processing Committee; Head,

Core Group on Livestock and Dairy and Special Invitee in Managing Committee.

Dr Khanna is a Vet graduate (1966) and M.Sc (1969) from Punjab Agricultural University (PAU), Ludhiana. He is also diploma holder in Farm and Science Journalism from Institute of Farm and Science Journalism, Delhi (1973); Semen Freezing, Gynaecology and Andrology from Royal Veterinary and Agriculture University, Copenhagen (1975) and has undertaken courses in Project Formulation and Implementation from IIM, Bengaluru (1978); Commercial law from M.S University of Baroda (1978); Corporate Planning from National Productivity Council, Delhi (1982) and many more.

He is currently Technical Editor, Dairy India Yearbook 2016; Trustee, Ganesh Scientific Research Foundation, Delhi; Member Executive Committee, World Buffalo Trust, Noida;

Honorary Vice Chairman and Consultant, Centre for Institute of Animal Husbandry and Dairy Development (CIAHDD), Noida.

## Dr Gurdial Singh joins as Vice-Chancellor, LUVAS

Dr Gurdial Singh, a Veterinary anatomist took over as new Vice Chancellor of Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar on 27<sup>th</sup> March, 2017. He has been associated with College of Veterinary Science, LUVAS for last 35 years and was lastly the Dean of the college.

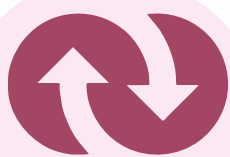
He graduated from CCSHAU in 1980 followed by post-graduation (1983) and started his career as Assistant



Professor in Department of Veterinary Anatomy, CVSc, Hisar. He did his Doctorate (1993) and was promoted as Associate Professor and Research Scientist (1993-2004); Professor (2004-06); Associate Dean and Dean (2010-2017) of the College of Veterinary Sciences at LUVAS. During his illustrious career as academician,

he guided several postgraduate students and visited many countries. He has been members of many national and international academic bodies and is also the Vice President of Veterinary Council of India (VCI). Dr. Gurdial Singh is an able administrator and has been engaged into core administration of University. Under his dynamic leadership as Dean, several measures have been taken to improve the standard of education and welfare of the students. He has taken keen interest in digitalization of teaching and administrative activities of LUVAS through development of modern university website and implementation of elaborate e-governance system.

# Market Update



## Veterinary Diagnostics Market Growing at a CAGR of 9.3% During 2017 to 2022

Global veterinary diagnostics market is estimated to grow at a CAGR of 9.3% from 2017 to 2022, to reach \$3.62 billion by 2022 from \$2.31 billion in 2017. Consumables segment will have largest share of global market while North America commanded a major share of the veterinary diagnostics market.

The veterinary diagnostics market is expected to witness significant growth in the coming years, with a rising demand

for animal-derived food products, growing number of livestock and companion animals, rising pet ownership in developed countries, growing demand for pet insurance and rising animal health expenditure, increasing incidence of zoonotic diseases, and growth in the number of veterinary practitioners & their income levels in developed economies. The global veterinary diagnostics market is projected to reach USD 3.26 Billion by 2022 from USD 2.31 Billion in 2017, at a CAGR of 9.3%. Untapped emerging markets such as China, Latin America, and India are expected to provide growth opportunities in the veterinary diagnostics market. China and India are expected to register the highest growth during the forecast period of 2017-2022. However, increasing pet care costs are expected to restrain the growth of this market to a certain extent.

The global veterinary diagnostics market is characterized by the presence of a large number of players. Amidst intense market competition, major players are continuously focusing on achieving higher market shares through product launches and acquisitions in the market. The global veterinary diagnostics market is consolidated in nature with a large number of companies continuously trying to mark their presence. The market is led by IDEXX Laboratories, Inc. (U.S.), Abaxis, Inc. (U.S.), Neogen Corporation (U.S.), Thermo Fisher Scientific Inc. (U.S.), Heska Corporation (U.S.), Zoetis, Inc. (U.S.), QIAGEN N. V. (Netherlands), and Virbac (France).

Based on product, the market is segmented into consumables and instruments. The consumables segment accounted for the largest share of the global market in 2016. The large share of this segment is mainly attributed to the increasing adoption of diagnostic consumables such as reagent clips and cartridges, immunodiagnostic test kits, PCR test kits, blood glucose strips, urine glucose strips, and other consumables.

On the basis of animal type, the global veterinary diagnostics market is segmented into livestock and companion animals. The livestock segment accounted for the largest share while companion animals segment is expected to register the highest CAGR during the forecast period. The growth of this segment can be attributed to growing pet population, rising pet ownership, increased demand for pet insurance, and rising pet healthcare expenditure.

Geographically, the global market is segmented into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. In 2016, North America commanded a major share of the veterinary diagnostics market. This is mainly due to the increasing adoption of companion animals, growing pet insurance purchases, increasing demand for animal-derived food products, and rising veterinary healthcare expenditure in the region. However, Asia-Pacific is expected to register the highest growth during the forecast period. Growth in the Asia-Pacific market can be attributed to rising companion animal ownership, rising awareness about animal health, increase in demand for animal-derived food products, and growing per capita animal health expenditure.

Source: PRNewswire- a cision company

## Global Veterinary Vaccine Market - A Short Note

### Overview

Vaccination is one of the most used applications of modern biotechnology to prevent chronic bacterial, viral and protozoal diseases. Veterinary vaccines are eco-friendly and used to increase animal welfare by preventing the death of animals, loss of dairy products and monetary loss of owners. Recently highly effective third generation vaccine against rabies virus has been developed with the help of recombinant technology. With the use of the vaccine, we can avoid the problem of antibiotic and drug resistance by the microorganism.

### Key Factors

Major factors responsible for the growth of veterinary vaccines market include increasing pet ownership, increasing awareness for food security and increasing investment by various government agencies. Increased veterinary research institutions and colleges are also adding value to veterinary vaccines market. However, rising maintenance cost of vaccine storage and prevalence of chronic disease of animals with continuous economic slowdown are hindering the growth of the market. Increasing demand for milk, eggs, meat & animal protein and investment by the government would represent the massive opportunity in future.

On the basis of product type the market of veterinary vaccines is bifurcated into livestock vaccines and companion vaccines. Livestock vaccines account the larger market share of more than 62% and companion vaccines accounts for around 38% share of global veterinary vaccine market. Livestock vaccines segment is classified into poultry, porcine and aquaculture

vaccine type. The porcine vaccine is largest sub-segment with more than 30% share of global livestock market and it is expected to remain dominant during the forecast period. Companion vaccine is segmented into equine, canine and feline. Among these three segments, canine segments are the fastest growing segment with approximately 6% growth rate.

### Regional Analysis

Globally, North America and Europe dominated the veterinary vaccines market and these two regions are collectively contributing the market by more than 68% share. The U.S. represents the largest market for veterinary vaccines with nearly 38% share in North America due to rising animal welfare and emerging technology for vaccine production. As a result of increasing research activities on animal diseases in Canada, it is expected to lead the market during the forecast period with high market share.

In Latin America, veterinary vaccines market is dominated by Brazil due to rising focus on food producing animals and rising consumption of meat and it has made the significant contribution to agricultural GDP.

The veterinary vaccines market of Asia-Pacific region is expected to witness noticeable growth in forecast period. In 2015, India was the dominated market of veterinary vaccines followed by China. In India, the market is driven by emerging technologies for protein biochemistry, molecular biology, and immunology as well as increasing demand for livestock vaccines and poultry vaccines. In 2015, livestock vaccine was leading segment in Indian veterinary vaccine market with approximately 57% share while poultry vaccine segment represented around 37% share of the market.

*For More Information: Zion Market Research*

**CIRCULARS  
AND  
ANNOUNCEMENTS**

**FDA office Memorandum on Strict regulatory control over manufacture, sale and distribution of Oxytocin and to curb its misuse**

F. No: BD/VET.CELL/ 04-2017  
Directorate of General of Health Services  
Central Drugs Standard Control Organization  
FDA Bhawan, Kotla Road, New Delhi  
(O/o DCG (I))

**OFFICE MEMORANDUM**

30 MAR 2017


**Subject: Strict regulatory control over manufacture, sale and distribution of oxytocin and to curb its misuse -reg.**

The Secretary, Health and Family Welfare, Ministry of Health and Family Welfare took a meeting on 14.03.2017 to take stock of situation relating to restricting and regulating manufacturing of oxytocin and to permit its manufacturing in PSU in compliance to the judgment of the High Court of Himachal Pradesh.

It was decided in the meeting that a mechanism should be created in CDSCO to receive complaints regarding illegal production of oxytocin and its misuse in the country.

All the Zonal / Sub- Zonal / Port offices of CDSCO are hereby directed to create a mechanism of receiving complaints regarding illegal production / import of oxytocin and its misuse in the country through E-mail or other means including a Complaint Box in their respective offices as well as a system to address such complaints.

A monthly report in this regard should be forwarded to CDSCO (HQ), (with attention to Mr. S. Dey, DDC (I) to ensure that the drug is manufactured in the country for human and animals in compliance to the regulatory provisions of the Drugs and Cosmetics Act, 1940 and Rules 1945 made thereunder and its misuse is curbed.

  
(Dr. G. N. Singh)  
Drugs Controller General (India)

To

All Zonal/ Sub-Zonal / Port offices of CDSCO

**CDSCO circular on Rational use of Antibiotics  
for limiting Antimicrobial Resistance (AMR)**



(Dr. G. N. Singh)  
DRUGS CONTROLLER GENERAL (INDIA)

**Central Drugs Standard Control Organization**  
Directorate General of Health Services  
Tele – 011-23236965  
Fax - 011 -23236973  
Email :- [dcl@nic.in](mailto:dcl@nic.in)  
Web : [www.cdsc.nic.in](http://www.cdsc.nic.in)  
FDA Bhawan, Kotla Road, New Delhi –110002.  
Dated: 01.02.2017

To,

1. President, Medical Council of India
2. President, Pharmacy Council of India
3. President, Nursing Council of India
4. President, Dental Council of India

**Sub: Rational use of antibiotics for limiting antimicrobial resistance- reg.**

Sir,

Antibiotic resistance is the result of environmental and behavioral causes. Indiscriminate prescription of antibiotics and laxity in enforcement laws are the main causes of antimicrobial resistance. This may be due to injudicious use of antibiotics in hospitals as well as in private practice apart from easy availability of prescription drugs in the country.

In this regard it is requested that you may kindly sensitize your members by raising awareness for rational use of antibiotics so as to curb antimicrobial resistance in the interest of patient safety.

You may also take up the issue using other platforms of medical sciences to make this national issue of rational use of antibiotics a success.

Yours faithfully,

(Dr. G. N. Singh)  
Drugs Controller General (India)

# *Calendar Of Events*

## **AGRI INTEX 2017**

14-17<sup>th</sup> July 2017

Codissia Trade Fair Complex, Coimbatore, Tamil Nadu

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## **Dairy Livestock and Poultry Expo**

1-3<sup>rd</sup> September' 2017

Mahatma Mandir, Gandhinagar, Gujarat

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## **International Conference & Expo on Agriculture & Veterinary Sciences Conference**

23-25<sup>th</sup> October 2017

Hyderabad, Telangana

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## **DAIRY FEST 2017 and POULTRY FEST 2017**

6-8<sup>th</sup> October,

Lucknow, Uttar Pradesh

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## **XVII Annual Conference of Indian Society of Veterinary Pharmacology and Toxicology (ISVPT) and National Symposium on 'Combating Antimicrobial Resistance'**

26-28<sup>th</sup> October, 2017

College of Veterinary Sciences, LUVAS, Hisar, Haryana

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## **PETEX India- Pet Industry Exposition**

11-12<sup>th</sup> November 2017

Hitex, Hyderabad, Telangana

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## **Poultry India 2017**

21-24<sup>th</sup> November 2017

Hitex, Hyderabad, Telangana

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## **41<sup>st</sup> Annual Congress of Indian Society for Veterinary Surgery and National Symposium on "New Horizons in Cancer Research Pertaining to Effect on Health, Production and Reproduction in Animals"**

14-16<sup>th</sup> December' 2017

C.V.Sc, S.V.V.U Tirupati, Andhra Pradesh



# SAVE —THE— DATE

**11<sup>th</sup> August 2017**

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**6<sup>th</sup> INFAH ANNUAL  
GENERAL MEETING**

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**Mumbai | India**



311, Mastermind IV, I.T. Park, Royal Palm Estate, Aarey Colony, Goregaon (E), Mumbai-400064.  
Tel: 022-2876 1515, Fax: 2857 4242, Email: infah@gmail.com, Website: www.infah.org

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