



e-Newsletter

Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana (Punjab)

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From the Desk of the Vice-Chancellor



Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana is progressing rapidly, making new strides in the academic, research and extension endeavours. Recently, the University celebrated its 4th Convocation on 6th March 2024, graced by His Excellency, the Governor of Punjab, Shri Banwarilal Purohit Ji, who commended the graduates for their outstanding academic achievements and boosted their morale to deliver their best to excel in life. A total of 250 students were awarded degrees, accompanied by 06 Gold Medals and 63 Merit Certificates for their exemplary academic performance.

Looking ahead, the University introduced Bachelor of Technology (B.Tech.) in Food Science and Technology from the upcoming academic session, aligning the course curriculum with industry demands and fostering innovation in dairy and food sciences. Further, the University efforts in research and development have been bolstered by the establishment of the Dairy Product Innovation and Entrepreneurship Training Centre, in collaboration with Verka and Milkfed, aimed at nurturing dairy entrepreneurship and innovation. The University got the honour to host the 47th Vice-Chancellors' Convention from 17th to 19th March, 2024. This gathering of agricultural university leaders and sector experts culminated in valuable policy recommendations aimed at enhancing farmers' welfare and food security.

The University disbursed Rs. 1.84 crores for 39 research projects under the Institutional Funding Scheme. Spearheaded by distinguished faculty members, these initiatives are poised to catalyse ground-breaking advancements in veterinary science, fisheries, dairy and food science, and biotechnology, thereby reaffirming our commitment to pioneering research and innovation.

The University is committed towards the upliftment of livestock sector and socio-economic status of farmers. In this pursuit, the University held *Pashu Palan Mela* from 14th to 15th March 2024, with motto of promoting ethno-veterinary practices. The gracious presence of S. Gurmeet Singh Khuddian, Hon'ble Cabinet Minister for Agriculture and Farmers Welfare, Animal Husbandry, Dairying and Fisheries, Government of Punjab as the Chief Guest of the event was a source of inspiration for the participants. To give further impetus to scientific livestock farming, outstanding farmers were recognized and presented with the 'Chief Minister Award' in four different categories *viz.* buffalo, fish farming, pig-gery and goat farming.

In sports, the 16th Annual Athletic Meet of the University witnessed spirited participation from students across constituent and affiliated colleges. The event, graced by Sh. Mohinder Singh Gill, International Triple Jumper, celebrated athletic excellence and camaraderie amongst students. The University fraternity demonstrated its commitment to humanitarian causes through the Mega Blood Donation Camp organized by the Guru Gobind Singh Study Circle. The camp, witnessed an enthusiastic participation from students, faculty, and staff, exemplifying the core values of service and compassion.

As we continue to strive for excellence in education, research, and extension services, I extend my heartfelt thanks to the entire University fraternity for unwavering support and dedication.

(Inderjeet Singh)
Vice-Chancellor

Convocation

Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana held its 4th Convocation on 6th March, 2024. His Excellency, the Governor of Punjab, Shri Banwarilal Purohit, the Hon'ble Chancellor of the University graced the sacred occasion. Sh. Purohit congratulated the recipients of degrees after successfully completing the rigorous academic and research programmes in the University. He lauded the contribution of the World Bank funded NAHEP-Institutional Development Plan whereby a total of 42 faculty members and 188 students from the University gained exposure at esteemed foreign universities, honing up their knowledge and strengthening valuable international collaborations.



Dr. Inderjeet Singh, Vice-Chancellor put forth the magnificent achievements of the University since the last convocation, held in 2023. He delineated the on-going research projects and also highlighted the extension endeavours undertaken by the University to reach its stakeholders. Dr. D.V.R. Prakash Rao, President of National Academy of Veterinary Sciences, New Delhi, received Doctor of Philosophy (*Honoris Causa*) for his praiseworthy contribution in the field of veterinary sciences.



Dr. H. S. Banga, Registrar informed that 250 students in all were awarded doctorate, masters' and bachelor degrees. In addition, a total of 06 Gold Medals and 63 Merit Certificates were also awarded to meritorious students for excellence in academia in the University. Dr. O. P. Chaudhary, Chairman, Animal Welfare Board, Government of India was the Guest of Honour on the occasion. Members of the Board of Management of the University, officers, faculty and other dignitaries also graced the juncture.

Pashu Palan Mela



Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana held *Pashu Palan Mela* under the theme '*Pashuan Vich Desi Upchaar, Ghat Laagat Vadh Paidavaar*' from 14th to 15th March 2024. S. Gurmeet Singh Khuddian, Hon'ble Cabinet Minister for Agriculture and Farmers Welfare, Animal Husbandry, Dairying and Fisheries, Government of Punjab and the Chief Guest of the occasion inaugurated the *Mela*. Dr. Jeetendra Verma, President, World Veterinary Poultry Association was the Guest of Honour. Dignitaries, Deans, Directors and Officers of the University also graced the occasion.

S. Khuddian underpinned the upscaling contribution of animal husbandry in Indian economy and its pivotal role in providing livelihoods to rural youth. He conferred the '**Chief Minister Award**' to four exemplary livestock farmers in buffalo, fish farming, piggery and goat farming categories. Dr. Inderjeet Singh, Vice-Chancellor accented the significance of the theme of *Mela* in today's fast growing economy, highlighting its importance in addressing contemporary challenges and opportunities. He motivated farmers to adopt livestock professions with scientific knowhow and technology. A stall centered on ethno-veterinary practices was put up in *Mela*, advocating homemade remedies to combat livestock diseases. The departments/colleges of the University showcased research, education and extension programmes/activities at the mega event benefitting farmers. Special interactive session on livestock rearing in the scientific way was organized consisting of live lectures from experts and questions-answers session.

The Department of Animal Husbandry, Dairy Development and Fisheries of Punjab, leading Veterinary Pharmaceuticals companies, Dairy & livestock related equipment/feed related industries and progressive farmers' associations established under the guidance of the University also displayed their products/activities. Dr. Sukhpal Singh, Chairman, Punjab State Farmers' and Farm Workers' Commission was the Chief Guest on the concluding day. Dr. Parvender Sheoran, Director ATARI and S. Kuldip Singh Jassowal, Director, Dairy Development Department were the Guest of Honor. Two books, a 'Mobile Fish Cart' and flavored milk developed by a farmer under the technical



knowhow of College of Dairy and Food Science Technology were introduced. The best stalls amongst the University and industry categories were adjudged. The *Mela* attracted a huge gathering where a thought to develop livestock professions on scientific lines was re-inforced.

47th Vice-Chancellors' Convention



Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana hosted the 47th Vice-Chancellors' Convention under the theme **“Food and Nutritional Security and Farmers' Welfare: Vision India-2047 and Beyond”** from 17-18th March 2024 under the aegis of Indian Agricultural University Association (IAUA). The Vice-Chancellors of more than 30 Agricultural Universities, a galaxy of stalwarts of the Agriculture and Livestock sectors, and progressive farmers, professionals, Deans, Directors and faculty members attended the convention.

Padma Bhushan Dr. RS Paroda, Chairman, Trust for Advancement of Agricultural Sciences (TAAS), New Delhi, and Former Director General, Indian Council of Agricultural Research (ICAR) graced the occasion as the Chief Guest, and Padma Shree Dr. G. S Khush, Father of Rice Revolution and World Food Prize Awardee was the 'Special Guest'. Dr. R. C. Agrawal, Deputy Director General (Agricultural Education), ICAR, New Delhi was the Guest of Honour. Dr. Rameshwar Singh, President, IAUA and Vice-Chancellor, Bihar Animal Sciences University; Dr. Inderjeet Singh, Vice-Chancellor, Guru Angad Dev Veterinary and Animal Sciences University and Patron of the event and Dr. Dinesh Kumar, Executive Secretary, IAUA graced the event. Dr. Inderjeet Singh welcomed the dignitaries, participating Vice-Chancellors and other officials representing various agricultural Universities of India.

The scientists, professional and other stakeholders shared their experiences and knowledge in the technical sessions *viz.* 'Human Resource and Infrastructure', 'Climate Smart Food Systems' and 'Farmers - Entrepreneurs - Scientists Interface' held at GADVASU and 'Agriculture Extension: Where do ICAR and SAUs fit?' hosted by Khalsa College of Veterinary and Animal Sciences (KCVAS), Amritsar, an affiliated college of the University. Intensive brainstorming pertinent to biodiversity and natural resources conservation to face climate change as well as Zero Waste management took place in the scholastic event. Dr. Baljit Singh, Vice President (Research), University of Saskatchewan, Saskatoon, Canada delivered a talk about 'One Planet, One Health and One Future'.



Dr. S.K Uppal, Convener of the event and Dean PGS of the University thanked all the dignitaries and the participants for attending the event, and providing their valuable inputs for drawing the blueprint for agricultural and livestock sector.

Athletic Meet

The 16th Annual Athletic meet of Guru Angad Dev Veterinary and Animal Sciences University was held on 12th March, 2024. Dr. Inderjeet Singh, Vice-Chancellor inaugurated the meet at Punjab Agricultural University Track. A total of 200 students from the constituent and affiliated colleges of University took part in the athletic meet, showcasing their sporting prowess. A spectacular horse show added grandeur to the function. Sh. Mohinder Singh Gill, International Triple Jumper was the Chief Guest of the Prize



Distribution and Closing Ceremony. College of Veterinary Science, Ludhiana bagged the overall trophy, whereas, College of Veterinary Science, Rampura Phul (Bathinda) grabbed the Runners Up Trophy. The faculty, staff and students of the University as well as of PAU attended the event and boosted the morale of the participants.

Mega 'Blood Donation Camp'



Remembering the unparalleled Martyrdom of Sahibzada Fateh Singh and Sahibzada Zorawar Singh, the Guru Gobind Singh Study Circle (GGSSC) unit of the University organized a '**Mega Blood Donation Camp**' in collaboration with Dayanand Medical College & Hospital, Ludhiana. Dr. Inderjeet Singh, Vice-Chancellor inaugurated the camp and highlighted that the true message of serving the society has been spread with the blood donation, as it is the noblest way of serving humanity beyond barriers of religion, caste and creed. A total of 80 units of blood were donated by students, faculty and staff of the University.

Foundation Day of College of Animal Biotechnology

College of Animal Biotechnology celebrated its foundation day. The fine arts and literary competitions of students and faculty were organized. Prof. (Dr.) Yashpal Singh Malik, Dean of the College, highlighted various activities of the college and the significant developments since its inception. Dr R.S. Ranu, eminent scientist from MIT, United States, and Dr. G.S. Brah, former Director, School of Animal Biotechnology were the 'Guest of Honour'. Dr. Inderjeet Singh, Vice-Chancellor of the University and the Chief Guest of the event congratulated the college fraternity on the auspicious day.



Academic & Research Activities

Enhancing educational horizons: Introduction of B. Tech. in Food Science & Technology

The University has introduced Bachelor of Technology (B.Tech.) in Food Science and Technology from the academic session 2024-25. This stride is a significant step towards catering to the evolving demands of the industry and academic canvas. In tandem with this progressive curriculum enhancement, the nomenclature of the College of Dairy Science and Technology has been revised to the College of Dairy and Food Science Technology. This adjustment aligns with the expanded scope and interdisciplinary nature of the educational programmes offered, reflecting the institution's commitment to staying at the forefront of advancements in dairy and food science.



Dairy Product Innovation and Entrepreneurship Training (DIET) Center

In a momentous occasion for the dairy industry, Verka, Milkfed, and College of Dairy and Food Science Technology (CODFST) of the University joined hands to establish a pioneering Dairy Product Innovation and Entrepreneurship Training (DIET) Centre at the University campus under the aegis of RKVY scheme. Dr. Inderjeet Singh, Vice-Chancellor inaugurated the centre in presence of Sh. Narinder Singh Shergill, Chairman, Milkfed, Dr. Kamal Garg, IAS, Managing Director, Milkfed, Dr. Surjit Singh Bhadour, General Manager, Verka Milk Plant, Ludhiana, Board of Directors, Milkfed and Milk Unions and officers of the University. This centre will produce 2500 litres of *Dahi* and *Lassi* per day as well as equip students of CODFST with the knowledge, skills, and resources necessary to thrive in the competitive dairy market and create new opportunities for growth and development in dairy industry. The company plans to upscale its production soon.



Cutting-Edge Interventional Ultrasound Unit inaugurated

The Teaching Veterinary Clinical Complex (TVCC) of Guru Angad Dev Veterinary and Animal Sciences University introduced a state-of-the-art Interventional Ultrasound Unit, setting a new standard for diagnostic precision and treatment efficacy in veterinary medicine. Dr. Inderjeet Singh, Vice-Chancellor unveiled the unit, offering a myriad of benefits, including advanced imaging capabilities for early detection of diseases. It is also equipped with an additional 55" LED screen to aid teaching of a larger group of students which normally is not possible with small ultrasound screen. The unit would enhance the diagnostic accuracy and would also minimize the invasiveness of certain procedures, leading to faster recovery rates for the animals.



Oath Taking Ceremony



College of Veterinary Science, Ludhiana conducted the Oath-Taking Ceremony of 91 passing out graduates of 2018 batch. Dr. Inderjeet Singh, Vice-Chancellor of the University was the 'Chief Guest' of the sacred occasion. Dr. Singh congratulated the outgoing veterinary graduates and wished them all the success in their future endeavors. Dr. S. S. Randhawa, Director of Clinics, shared the achievements of students who brought laurels to the University in the field of academics, sports and extra-curricular activities. Dr. H. S. Banga, Registrar and the senior most professor of the University administered the Veterinarian's Oath to the passing out graduates and urged them to ensure veterinary practice in line with the principles of veterinary ethics. M/s Carus sponsored the cash awards of Rs 51,000/-, 31,000/- and 21,000/- to three meritorious students, namely Gurekem Kaur, Nabhita and Mehakdeep Kaur Sharma, respectively, for achieving the highest OGPA in clinical subjects. The function was graced by the officers of the university, Heads of Departments and faculty members. The passing out graduates expressed their gratitude towards untiring efforts of diligent teachers for shaping up their promising careers.

Dairy Microbiologist bags Project funded by Punjab State Council for Science and Technology

Dr. Namita Rokana, Assistant Professor, Department of Dairy and Food Microbiology, College of Dairy and Food Science Technology has earned an extramural Project on 'Development of innovative packaging material substituting synthetic polymer with biodegradable material', funded by Punjab State Council for Science and Technology (PSCST), Government of Punjab, with a total Budget of Rs. 6 lakhs.



Grant of Institutional Projects

The University granted 39 projects worth Rs. 1.84 crores to the faculty of different departments of the University under the Institutional Funding Scheme. These projects, spearheaded by distinguished faculty members, promise new advancements in the realm of veterinary science, fisheries, dairy and food science, and biotechnology.

Pledge for Quality Viksit Bharat

Students, faculty and staff of College of Dairy and Food Science Technology took a pledge for Quality Viskit Bharat under the Youth for Quality Bharat Mission (YQBM) – a part of the mega Quality Bharat Mission initiated by the Quality Council of India. The campaign highlighted the critical role of quality as a driving force for the nation's development and progression.



Students got placement in Mother Dairy

Mr. Pulkit Rao and Mr. Anuj Sharma, students of B. Tech. (Dairy Technology) have been selected as Graduate Executive Trainees at Mother Dairy Fruit & Vegetables Pvt. Ltd. during the campus placement drive.

Mobile Fish Cart Launched to Promote Fish Consumption

College of Fisheries introduced the 'Mobile Fish Cart' to create an awareness amongst society and to give a flip to enhance the per capita fish consumption. The cart equipped with a 300 liters capacity glycol deep freezer, which can be charged within 6 hours for maintaining frozen temperature (-20°C) for up to 20 hours, is being used to supply fresh hygienic 'Ready to Cook' fishery products at the doorsteps of the consumers. The cart has been customized to maintain freshness and quality of the fishery products during the marketing period. Dr. Inderjeet Singh, Vice-Chancellor of the University



emphasized that the benefits of fishery products need to be promoted through awareness and availability of hygienic fresh convenient products, which will increase per capita fish consumption in Punjab.

Padma Shri Dr. K K Sarma visits GADVASU

Dr. K K Sarma, popularly known as the 'Elephant Man of Asia' and the 1st Veterinarian in India to get Padma Shri, visited the Department of Veterinary Surgery & Radiology of the University. Dr. Sarma is a world renowned wildlife professional having an expertise in taming the 'Mast' male Elephants which go rogue during breeding season. He delivered lectures and give practical demonstrations to the faculty and students, and explained the do's and don'ts of darting vis-à-vis handling the wildlife, and the risks involved. Dr. Inderjeet Singh, Vice-Chancellor had deliberations with Dr. Sarma and cherished his work and efforts in preserving the wildlife.



Dr. KK Sarma delivering lecture to the students

Faculty Induction Programme



Directorate of Human Resource Management (HRMC) of the University conducted the Faculty Induction Program (FIP) for newly recruited faculty to acclimatize them with the basic knowledge about the organizational set up of the University, its vision, policies, academic modules, library resources, research ethos and ethics, and the rules and regulations of the University. In addition to lectures by expert(s) and practical exposure at the University, a visit to Agricultural Technology Application Research Institute (ATARI), and ICAR-Central Institute of Post-Harvest Engineering & Technology (ICAR-CIPHET), Ludhiana was also organized. Dr. Inderjeet Singh, Vice-Chancellor, presided over the valedictory session and emphasized the importance of the FIP in professional development.



Awards and Recognitions

Scientist Honored with National Fellowship

Dr. R. S. Sethi, Additional Director of Research has earned the Fellowship of the Society for Immunology and Immunopathology (SIIP). The honour was conferred during the SIIP's Annual convention and International Conference at Ganeshi Lal Agrawal (GLA) University, Mathura. Dr. Sethi and his team first time immunocharacterized and reported the presence of Pulmonary intravascular macrophages in buffalo lung. They are also pioneers to report the presence of Neutrophil Extracellular Trap (Netosis) in the buffalo neutrophils.



Veterinary Medicine Faculty and Students Excelled in National Conference



Faculty and students of Department of Veterinary Medicine, Guru Angad Dev Veterinary and Animal Sciences University attended the 40th Annual Convention of Indian Society for Veterinary Medicine and National Conference on 'Multifaceted approaches for integrating Veterinary Medicine and one health for a holistic future' held at College of Veterinary and Animal Sciences, Mannuthy, Kerala. Dr(s). Ashwani Kumar, Asmita Narang, Shabnam Sidhu and Gurpreet Singh along with 12 M.V.Sc. students presented their research papers in different sessions and bagged 10 oral and poster presentation awards.

University Honours Exemplary Faculty

The University recognized the exemplary services rendered by faculty in academic, research and extension endeavours during the year 2023 by honouring them with awards. Dr(s). Simranpreet Kaur, Jaspal Singh Hundal, Rajesh V. Wagh, Devendra Pathak, Nittin Dev Singh, Sandeep Kaswan, Harsh Panwar, Prabjeet Singh, Rattan Kumar Choudhary got the 'Best Teacher Award' at college level.



Dr(s). Rattan Kumar Choudhary and Harsh Panwar bagged the University level 'Best Researcher Award'. Dr(s). Rajesh Kasrija and Harmeet Kaur received the 'Best Extension Worker Award'.

Researcher of Centre for One Health bags 'Best Poster Presentation Award'



Dr. Kriti Singh, Research Fellow, Centre for One Health of the University has been bestowed with the 'Best Poster Presentation Award' for her work entitled 'Collaborative efforts: One Health strategies against AMR' during the National Seminar on 'One Health for Sustainable Future: Issues & Challenges' organized by Government College for Girls, Ludhiana under the aegis of College Development Council, Punjab University, Chandigarh and Department of Science and Technology, Government of India.



Seminar(s)/Workshop(s)/Training(s)

Startup Grand Challenge 2024: Unveiling the Next Wave of Innovation in Livestock Sector

The Veterinary and Livestock Innovation and Incubation Foundation (VL-IIF) of Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana organized two days Start-up and Entrepreneurship Grand Challenge on March 21-22, 2024 in collaboration with Startup Punjab, Department of Industries and Commerce, Government of Punjab. Dr. Inderjeet Singh, Vice-Chancellor launched the Grand Challenge. Dr. Baljit Singh, Vice President, Research, University of Saskatchewan, Canada, Dr. J.P.S. Gill, Director of Research, Dr. P S Brar, Director of Extension Education, Dr. S. K. Uppal, Dean, Post Graduate Studies and Dr. R S Sethi, Additional Director Research, Gurwant Singh, President, Confederation of Food & Agro-processing Machinery Enterprises (CoFAME) India and other officials of the University also graced the occasion. The event aimed to foster innovation, promote entrepreneurship and create impact amongst participants, including students and emerging entrepreneurs, and to bring together aspiring entrepreneurs, researchers, and experts in these domains.

ICAR Sponsored One Health Winter School



Centre for One Health of the University conducted a winter school programme sponsored by Indian Council for Agricultural research (ICAR) on 'Applied Concepts in One Health to Address Zoonoses, Antimicrobial Resistance, and Food Safety'. A total of 25 scientists took part in the training poised to delve into the multifaceted aspects of the One Health approach. Dr. Inderjeet Singh, Vice-Chancellor and the Chief Guest of the inaugural session emphasized on the evolving role of One Health in confronting emerging public health challenges. Dr. J.P.S. Gill, Director of Research of the University, Dr. Sindura Ganapathy, Fellow Principal Scientific Advisor, Government of India, and Dr. Sandeep Puri, Principal of Dayanand Medical College & Hospital, Ludhiana also graced the occasion. The Vice-Chancellor and other dignitaries released the training compendium, the activity handbook of the Centre for One Health, and a Pocket Guide to Foot-and-Mouth Disease in Bovines.



Expert Panel Discussion on Foot-and Mouth Disease (FMD)

College of Animal Biotechnology organized an expert panel discussion on 'Foot-and mouth disease (FMD)' to chalk out the strategies to combat the ongoing outbreaks of FMD in Punjab. Dr. Inderjeet Singh, Vice-Chancellor of the University gave introductory remarks. Dr. Rabindra Prasad Singh, Director, ICAR-National Institute on Foot and Mouth Disease, Bhubaneswar along with Dr. JK Mohapatra were the expert speakers. Dr. G. S. Bedi, Director, Animal Husbandry Department, Punjab briefed about recent outbreaks of FMD across Punjab and preventive measures undertaken regarding the ongoing menace. Dr. Yashpal Singh Malik, Dean, College of Animal Biotechnology stressed on the adoption of inward ring vaccination in disease epicenters to control the virus spread. The policy makers, scientists and field functionaries actively participated in the panel discussion.



Similarly, the Directorate of Extension Education of the University also organized a Panel Discussion to create awareness against the outbreak of Foot and Mouth Disease (FMD) in dairy animals.

Training on Ultrasonography



Department of Veterinary Gynaecology and Obstetrics along with Directorate of Extension Education of the University conducted a training entitled '**Hands-on training on reproductive ultrasonography for better reproductive management in small and large ruminants**'. A total of 25 Veterinary Officers participated in the event and acquired hands-on experience regarding ultrasonography in large ruminants, colour Doppler, ultrasonography guided ovum pick-up and bull reproductive ultrasonography. Dr. Inderjeet Singh, Vice-Chancellor presided over the valedictory function and highlighted the importance of ultrasonography in field conditions, emphasizing need of the hour to equip all veterinary polyclinics with ultrasound related infrastructure.

On-Farm Meeting of Fish Farmers



Meeting in progress

Under the technical handholding of College of Fisheries, the monthly meeting of Innovative Fish Farmers Association (IFFA) of Punjab (Regd.) was held at the fish farm of Sh. Navdeep Singh in village Hayatpur (Ludhiana). A total of 57 fish farmers attended the meeting and learned about the best management aquaculture practices. The expert delivered lectures on fish pond management. Different farm activities and issues encountered by the farmers were also discussed during the meeting.

Training for Board of Directors of FPO

Directorate of Extension Education of the University organized training programme 'FPO-based Scientific Dairy Farming' for capacity building of Board of Directors of Mushkabad FAM Dairy Producer Company Limited - a Farmer Producer Organization working with technical support from the University. Expert(s) disseminated knowledge on preparation of effective business plan of FPO, marketing management, marketing channel of milk, etc. The programme was conducted under the aegis of research project entitled '**Promotion of Farmers Producer Organization (FPO) on Dairy Farming in district Ludhiana**' funded by National Bank for Agriculture and Rural Development (NABARD).

Refresher Course on Livestock Healthcare



Guru Angad Dev Veterinary and Animal Sciences University conducted a refresher course on livestock healthcare and artificial insemination for Veterinary Officers of Animal Husbandry Department, Punjab. A total of 25 participants attended the programme and honed up their knowledge on physical and special examination of livestock, herd health management, screening of dairy animals for infectious diseases, practical interpretation of radiographs and ultrasonography.

Awareness amongst School Students about Entrepreneurial Opportunities in Fisheries

College of Fisheries conducted awareness programmes on '**Entrepreneurship Opportunities in Fisheries**' for Scheduled Caste (SC) school students, in collaboration with Central Institute of Fisheries Education (CIFE) of Indian Council of Agricultural Research (ICAR), under the centrally sponsored scheme (SC Sub-Plan) for development of SC aspirants through capacity building. A total of 200 students of four government schools were enlightened about the entrepreneurial and employment opportunities in fisheries sector at State, national and international levels.

Training on Recent Trends in Animal Disease Diagnosis



Guru Angad Dev Veterinary and Animal Sciences University trained 10 Veterinary Officers of the Animal Husbandry Department of Madhya Pradesh during the training programme entitled '**Recent Trends in Animal Disease Diagnosis Using Imaging and Laboratory Techniques**' conducted by departments of Animal Disease Research Centre, Veterinary Surgery & Radiology and the Directorate of Extension Education of the University. The participants were provided hands-on experience regarding laboratory diagnosis of major microbial and parasitic diseases of livestock, hemato-biochemical, urinalysis and its interpretation, collection and dispatch of samples during animal disease outbreaks, advanced imaging technologies related with radiography and ultrasonography etc.

Training on 'Eco-friendly Livestock Farming'

Directorate of Extension Education of the University conducted a training on '**Eco-friendly Livestock Farming**' for the animal scientists of Krishi Vigyan Kendras (KVKs). Dr. Inderjeet Singh, Vice-Chancellor said that livestock production hinges on a delicate balance with the environment which has been affected by climate change over the past few decades and emphasized on the need for scientific efforts to combat this issue. Dr. Parvender Sheoran, Director of ATARI- Zone-1, Ludhiana elaborated that deliberations are ongoing amongst policy makers on promoting One Health as a means of sustainable food production while also protecting the environment. Expert(s) discussed the importance of biosecurity and antibiotic residue free livestock products, use of ethno-veterinary practices for safeguarding the health of dairy animals, nutritional strategies for improving the milk production of livestock, and explained the methods for using animal waste as a resource in agriculture thereby reducing methane emissions.

Training on Advances in Anaesthesia, Surgery and Imaging in Farm and Companion Animals



Department of Veterinary Surgery and Radiology of the University organized a national level training on '**Advances in Anaesthesia, Surgery and Imaging in Farm and Companion Animals**' under the aegis of Centre for Advanced Faculty Training (CAFT), sponsored by ICAR. A total of 24 scientists joined the training. A compendium of lectures of the experts was also released. It is pertinent to mention here that the department has conducted 32 training courses so far and over 470 surgeons/clinicians from various State Veterinary Universities/ State Agricultural Universities/ ICAR Institutes have been trained.

Tree saplings Distributed under Farmer FIRST Project



The University introduced Integrated Farming System (IFS) in adopted village Pamal of district Ludhiana under ICAR sponsored Farmer FIRST Project, where tree saplings were distributed amongst the farmers. Expert(s) delivered insights on integrated farming to be a sustainable system integrating cropping, animal husbandry, fishery, forestry and other systems for supplementing each other. Tree saplings of peach, pear and lemon were distributed to the farmers as a step towards setting up an integrated farming system.

Scientific Support for PDFA International Dairy & Agri Expo



A meeting of the University officers with the office bearers of Progressive Dairy Farmers Association was held under the chairmanship of Dr. Inderjeet Singh, Vice-Chancellor. The precise breed characters of *Nili-Ravi* buffaloes to prevent confusion amongst farmers and for accurate judging of *Nili Ravi* buffaloes were discussed. The misuse of Growth Hormone, commercially called Boostin/ Lactotrophin – a synthetic growth hormone used for enhancing milk production in cows and buffaloes was also deliberated upon. The Vice-Chancellor shared that on the demand of farmers' bodies, the University has developed test for detecting use of illegal synthetic growth hormone in animals from their blood and milk samples. The University assured the services of sampling on animals participating in PDFA International Dairy & Agri Expo so as to detect misuse of the hormone.

Training Programme for Farmers and Entrepreneurs in Dairy Sector



College of Dairy and Food Science Technology hosted a transformative training programme for passionate dairy farmers and entrepreneurs on 'Value Addition of Milk and Milk Products'. The programme delved into various aspects of dairy business, equipping participants with the skills and knowledge to thrive in dairy industry.

Training Programme for Women in Dairy Sector



College of Dairy and Food Science Technology, with financial support from the National Commission for Women (NCW), New Delhi organized a training programme exclusively for women farmers at village Akalgarh (Ludhiana) to empower them with knowledge of value addition of milk. Expert(s) sensitized the participants about different techniques for preparing value-added milk products and their marketing.

Road Safety Awareness Programme



Celebrating the National Road Safety Month-2024, the NSS wing of the University organized a Road Safety Awareness Programme under the guidelines of the Ministry of Road Transport and Highways. Mr. Charanjiv Lamba, PPS, ACP-1 Traffic was the Chief Guest of the programme. He motivated the young minds to follow traffic rules. Mr. Jasvir Singh, Incharge Education Cell, Traffic Police Ludhiana urged the students to invest on a good quality ISI mark helmet for safety. Mr. Naval Kishore Kaura, President, NGO 'Safe Drive Stay Alive' was the Keynote speaker of the session and emphasized on the prevention of road accidents by obeying the road safety rules and regulations.

Activities of Krishi Vigyan Kendra(s)

Meeting of 6th Scientific Advisory Committee



The 6th Scientific Advisory Committee meeting of Krishi Vigyan Kendra, Booh (Tarn Taran) was held under the Chairmanship of Dr. Inderjeet Singh, Vice-Chancellor, to review the annual progress of KVK and finalize the action plan of action for the year 2024-25. Dr. Prabjeet Singh, Deputy Director, KVK presented the action taken report w.r.t the previous Scientific Advisory committee meeting, progress report of 2023-24 and fund utilization report. The Vice-Chancellor appreciated the thriving '**Gharyala Dairy Producer Company Limited, Tarn Taran**' - Farmers Producer Organisation established at Gharyala village and applauded the team KVK for bagging '**Award of Excellence**' from NABARD for the efficient working of the said FPO. To motivate the dairy farmers towards scientific dairy farming, the Vice-Chancellor distributed cheques of Rs. 5100/- each on behalf of the Indian Society of Buffalo Development to five progressive farmers whose animals had participated in *Nili Ravi* Milking competition held at RRTC Tarn Taran in the month of December, 2023. He also took the stock of construction work of Regional Research and Training Centre. Dr. Ashok Kumar, Ex-Director Extension, Punjab Agricultural University, Ludhiana, Dr. Arvind Ahlawat, Head, KVK-Fazilka, Abohar, Sh. Jaskirat Singh DDM, NABARD, representatives from FASC, PAU, Tarn Taran; scientists of the University and other officials from the allied departments including Agriculture, Animal Husbandry, Soil and Water Conservation, CDPO and various progressive farmers of the district provided their valuable inputs.

Beekeeping training



KVK, S.A.S. Nagar organized a vocational training on beekeeping at village Dharamgarh. The expert(s) disseminated knowledge to the participants regarding benefits of beekeeping, and provided tips regarding seasonal management of honey bees. The expert(s) also discussed the benefits of honey usage, bee flora, sources of nectar collection for honey bees, and informed the participants about subsidy scheme(s) on beekeeping.

Training on Nursery production of vegetable crops



KVK, Booh (Tarn Taran) organized a training programme on '**Nursery production of vegetable crops**'. A total of 18 participants attended the training and gained scientific knowledge on value of vegetable nursery production for agricultural diversification and sustainable output, insect pest management, significance of soil health in the creation of vegetable nurseries, and importance of vegetable intake for human health.

Training on Dairy processing entrepreneurship opportunities



KVK, Booh (Tarn Taran) organized a training programme on **'Dairy processing entrepreneurship opportunities in district Tarn Taran'** to update the knowledge of innovative dairy processors with recent interventions and techniques in dairy value addition. A total of 20 trainees took part in the training and gained scientific knowledge on modern techniques for milk value addition, soil health in quality silage production, and nutrient and metal uptake of fodder crops in view of livestock health.

Training on 'Scientific Goat Farming'



KVK, Booh (Tarn Taran) organized a training programme on **'Scientific Goat Farming'**. A total of 35 farmers attended the programme and learned about goat breeds, housing management, diseases, vaccination, balanced feeding requirements, reproductive problems and the role of artificial insemination in goats. Expert(s) also imparted knowledge to the participants about nutritive value of goat milk and prospects of its value addition, fodder production and scientific silage making techniques, and potential of goat farming as a promising sector towards agriculture diversification.

Input distribution programme for flood affected farmers

KVK, S.A.S. Nagar (Mohali) organized an input distribution programme for the flood affected farmers with financial assistance from flood affected fund of Teaching and Non-teaching Associations of the University. Dr. Inderjeet Singh, Vice-Chancellor of the University and the Chief Guest of the programme advised farmers to adopt dairy, fish, pig and poultry farming on scientific lines for better income and profitability. Dr P.S. Brar, Director Extension Education urged the farmers to take maximum benefit from the Krishi Vigyan Kendra for technologies related to livestock and allied sciences. During the event, poultry chicks, poultry feed and shed mesh were distributed to flood affected farmers. Sewing machines were also provided to women farmers of self-help groups to start their self-employment under the sponsored project by Swaraj Engines Ltd.

Similarly, KVK, Booh (Tarn Taran) organized a 'Flood Relief Distribution Programme' for the flood affected farmers of District Tarn Taran. The President of Non-Teaching Association and representatives of Teaching Association were also present in these programme(s).



Hands-on training for PG students



College of Animal Biotechnology in association with the Molecular Biology wing of HiMedia Laboratories Pvt. Ltd. organized a workshop-cum-hands on training on **'Automatic nucleic acid extraction and pathogen detection by real time PCR technique'** for students to strengthen human resource in the field of molecular diagnostics. Practical skills were imparted on DNA extraction using automated nucleic acid extractor and real time PCR experiments.

National Service Scheme Camp



The University organized the National Service Scheme (NSS) camp under the theme 'ਜ਼ਿੰਮੇਵਾਰੀ ਨਾਲ ਵੋਟ ਦਿਓ ਅਤੇ ਵਿਕਸਿਤ ਰਾਸ਼ਟਰ ਲਈ ਨਾਗਰਿਕ ਦਾ ਫਰਜ਼ ਨਿਭਾਓ' (Vote responsibly and perform the duties of Citizen for a developed nation), to create awareness about the worth of votes and develop a sense of social and civic responsibility in the society. A total of 80 volunteers participated in the camp taking in its ambit the awareness rally, campus cleaning, and painting of the boundary wall of the University. Dr. J.P.S. Gill, Director Students' Welfare-cum Estate Officer said that such camps are important not only to save the democracy but evolve masses to become good citizens.

The 1 Pb R & V SQN NCC of the University Shines at Republic Day Camp



The 1 Pb R & V SQN NCC of Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana sent an equestrian team to participate in Republic Day Camp-2024. Girl Cadet Manpreet won Gold Medal in Dressage (Novice), Cadet Shiv Kumar won two Gold medals-in Dressage (Novice) and Tent Pegging Novice. Cadet Shiv Kumar also won the Runners up Trophy in Roop Jyoti Sharma Trophy for Tent Pegging.

Yuva Samvad-India@2047



NSS wing of the University organized Yuva Samvad-India@2047 'India's Panch Pran – A Youth Dialogue – Bharat ke Panch Pran – Ek Yuva Paricharcha' under the aegis of the Ministry of Youth Affairs & Sports, Government of India. A total of 150 NSS volunteers and students took part in the event. The participants shared thoughts on various topics of national importance in the broad backdrop of the theme India@2047 and in line with Panch Prans (five resolves) given by the Hon'ble Prime Minister of India Sh. Narendra Modi. The winners were awarded certificate signed by the Minister of Youth Affairs & Sports and presented with books.