



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

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From the Desk of the Vice-Chancellor



It gives me immense pride to share that Guru Angad Dev Veterinary and Animal Sciences University continues to ascend in its academic, research and extension pursuits, with dedication, towards transforming the livestock sector of Punjab. The activities and initiatives of this quarter have been a testament to this. The *Pashu Palan Mela* held on 26-27 September 2025 endorsed the University's role as a beacon of livestock innovation. With over 100 stalls showcasing research and development, superior germplasm, farmer-centric technologies and services, the *Mela* served as a platform for the stakeholders to gain and share knowledge and experiences. The University has marked a historic milestone by hosting TEDxGADVASU, the first-ever TEDx event by any veterinary university in India. It is a matter of pride that the students of the University shared the stage with national leaders and innovators, demonstrating the confidence and leadership nurtured in academic ecosystem.

The emphasis on research and collaborations has yielded remarkable outcomes. The University, in partnership with National Institute of Technical Teachers Training and Research, Chandigarh, secured a patent on a 3D Printed Smart Cerclage Strip, showcasing the interdisciplinary approach towards veterinary innovation. The ICAR funded Experiential Learning Programs to strengthen the dialysis unit and promote value addition in fisheries will further enhance the treatment facilities and learners' hands-on capabilities. The University has also expanded its collaborative network through Memoranda of Understanding with leading organizations including Nestlé R&D Centre India; NIAB Hyderabad; Novus Animal Nutrition; Devans Modern Breweries Ltd.; and Brooke Hospital for Animals (India). These collaborations demonstrate the University's strategic integration of academic expertise with industrial and societal needs to promote sustainability, animal welfare, and economic growth.

The University organized multiple programmes for enhancing the scientific knowledge of stakeholders to boost the livestock for better socio-economic status of farmers. An insightful dialogue on the prospects of cheese in Punjab revealed new opportunities in value-added dairy products. The National Symposium on Buffalo Farming provided a policy roadmap for the future of this vital livestock specie. By extending helping hand to people in flood-affected regions through animal welfare camps, the University has remained deeply rooted in its mission to serve the society.

I urge the University fraternity to continue this journey with the spirit of innovation, compassion, and service to society, making this institution not only a centre of academic distinction but also a lighthouse of hope and progress for farmers, entrepreneurs and society at large.

(JPS Gill)
Vice-Chancellor

Pashu Palan Mela

Pashu Palan Mela of Guru Angad Dev Veterinary and Animal Sciences University was held on 26-27 September 2025. S. Harchand Singh Barsat, Chairman, Punjab Mandi Board inaugurated the *Mela*. He applauded the efforts of University for promoting livestock farming in scientific manner. Dr. Sukhpal Singh, Chairman, Punjab State Farmers' and Farm Workers' Commission, Dr. Satbir Singh Gosal, Vice-Chancellor, Punjab Agricultural University, Ludhiana, S. Mohinder Singh Sidhu, Chairman, Punseed, officers, teachers and employees of the University graced the occasion.

Dr. J.P.S. Gill, Vice-Chancellor emphasized the importance of young livestock care endorsing the *Mela* slogan "*Kattru- Vachhru da Suchja Par-bandh, Banaye Dairy Kitte nu Lahewand*". He highlighted that investing in the early care of calves and chicks is crucial for enhancing productivity and reducing long-term costs. Dr. Gill assured all possible help to the farmers on their beck and call. A highlight of the *Mela* was the Chief Minister Awards conferred on four progressive farmers for excellence in cattle farming, poultry farming, and value-added livestock products. The *Mela* featured over 100 stalls showcasing the University's research, teaching and extension initiatives, cutting-edge technologies, livestock breeds and feed supplements. The University's superior germplasm of cows, buffaloes, goats, and poultry was showcased and demonstrations on milk quality testing, mastitis detection, teat dip practices and acaricide usage were held. The University launched several publications including booklets on dairy and broiler farming, goat entrepreneurship, and the latest issue of '*Vigyanak Pashu Palan*' magazine. Departments including Animal Husbandry, Dairy Development, and Fisheries of Punjab Government exhibited their services and renowned veterinary pharma firms, livestock equipment companies, feed manufacturers and Self-Help Groups trained by the University also put their stalls.

Shri Rahul Bhandari, IAS, Financial Commissioner, Animal Husbandry, Dairy Development and Fisheries Department, Government of Punjab, was the Chief Guest on the concluding day. Sh. Bhandari praised the contribution of the University in ascendancy of the livestock sector of the state and encouraged focus on goat farming, animal nutrition, and disease control. He also called for greater village-level outreach. The Vice-Chancellor announced the establishment of a modern feed testing laboratory, new large animal and equine hospitals, and informed about ₹10 lakh startup support for agri-entrepreneurs. The *Pashu Palan Mela* served as a platform for technology transfer, farmer engagement, and further fueling innovation in Punjab's livestock sector.



University Creates Milestone by Hosting *First-Ever TEDx*

The University made history by organizing TEDxGADVASU, the first-ever TEDx event hosted by any Veterinary university in India. By doing so, the University has joined a worldwide movement encouraging dialogue, innovation, and visionary thinking. Dr. J.P.S. Gill, Vice-Chancellor presided over the inaugural ceremony and said that the TEDx theme '**Conscious Evolution**' reflects the need for mindful growth, sustainable progress, and responsible innovation in today's world. Dr. R. S. Sethi, Additional Director, Research and organizer of TEDx, informed that the event held in collaboration with MENTORx, brought together 16 distinguished speakers from diverse walks of life. Two students of the University, Ms. Anoushka Atri and Ms. Srishti Sharma shared the stage with eminent professionals, entrepreneurs, artists, and change makers, as speakers, showcasing the confidence and leadership of the University's young generation. The event was attended by officers, faculty, students and invited dignitaries, who enthusiastically engaged with the talks.



Patent on 3D Printed Smart Cerclage Strip

The University earned a patent in collaboration with National Institute of Technical Teachers Training and Research, Chandigarh for '**3D Printed Smart Cerclage Strip for Medicinal Monitoring of Comminuted Fracture in Canine**'. The invention comprises a smart cerclage strip to overcome the problem of fractures in dog(s). Dr. Arun Anand, Professor and Head, Department of Veterinary Surgery and Radiology shared that the 3D printed smart cerclage strip itself acts as a smart sensor that works on the principle of microstrip patch antenna (MPA). This sensor is intelligence developed for Industrial, scientific, and medical (ISM) band and Wi-Fi applications, to provide output (i.e., radiation behaviour) on the smartphone itself. The smart cerclage strip act as a support to protect and monitor the health of bone fractures.



ICAR Experiential Learning Programs (ELPs)

- The Dialysis Unit, Department of Teaching Veterinary Clinical Complex of the University has been awarded an Experiential Learning Project grant of ₹41 lakh by the Indian Council of Agricultural Research (ICAR). The project, entitled '**Strengthening Veterinary Hemodialysis Through Experiential Learning: Transforming Dialysis Unit into an Educational Hub**,' will be led by Dr. Randhir Singh, In-charge of the Dialysis Unit, supported by Dr. Gurpreet Singh, Dr. Rajsukhbir Singh, and Dr. S. S. Randhawa as Co-Investigators. Under this project, establishment of the world's first advanced online hemodiafiltration (OL-HDF) technique in dogs has been contemplated.
- College of Fisheries earned its 3rd ICAR funded Experiential Learning Program (ELP) on '**Fish & Shrimp Processing, Value Addition & Waste Valorization**' to the tune of ₹34 Lakh. Under this programme the graduating students of Fisheries Science will gain practical skills for processing fish and shellfish into value added fishery products and developing economic by-products from the processing waste, besides acquiring managerial expertise for prospective employment. The Scientific team, comprising of Dr. Vijay Kumar Reddy, Dr. Siddhnath and an associated scientist, Dr. Sarbjeet Kaur will execute the programme.



Memorandum of Understanding

MoU with Nestlé R&D Centre India on Sustainable Dairy Nutrition Research

The University inked the Memorandum of Understanding (MoU) with Nestlé R&D Centre India Private Limited, IMT Manesar, for a collaborative research project entitled **‘Optimizing Animal Diets to Reduce Milk Carbon Footprint and Enhance Farm Profitability in Dairy Cows.’** Dr. P.S. Brar, Director of Research and Mr. Jagdeep Singh Marahar, Managing Director, Nestlé R&D Centre India signed the MoU in presence of Dr. J.P.S. Gill, Vice-Chancellor. Dr. Gill said that this collaboration reflects commitment of the University towards advancing sustainable dairy farming practices through science-driven innovation. Under this project, supported by Nestlé R&D Centre India with funding of ₹30.8 lakhs, the impact of optimized diets on milk production, nutrient digestibility, and overall performance in lactating dairy cows will be assessed.



MoU with NIAB, Hyderabad

The University signed a MoU with National Institute of Animal Biotechnology (NIAB), Hyderabad to collaborate on joint research projects in animal biotechnology, Animal Sciences and allied areas to establish Inter-institutional centres, to promote inter-disciplinary research and address challenging problems. Additionally, it focuses on jointly organizing consultancy and extension activities such as lectures, workshops, seminars and conferences at national and international levels.

MoU with Devans Breweries on Sustainable Feed Project

The University signed a MoU with Devans Modern Breweries Limited (DMBL), Jammu, for a collaborative research project on the **‘Nutrient Characterization and utilization of Barley Distilled Grain Slub (BDGS) in growing Murrah calves and poultry diets.** The MoU was signed by Dr. P.S. Brar, Director of Research and Mr. Gurinder Singh Sandhu, General Manager, Devans Modern Breweries Ltd. Dr. J.P.S. Gill, Vice-Chancellor stated that the MoU exemplifies the industry-academia synergy to address practical challenges in animal nutrition through scientific innovation. It will not only support sustainability but also generate meaningful data for industrial by-product utilization. The research supported by DMBL with funding of Rs. 20 lakhs aims to scientifically evaluate BDGS, a by-product of the brewing industry, for its potential use as a sustainable and cost-effective feed ingredient.



Collaboration with Brooke Hospital for establishing a Farriery Institute

The University inked a MoU with Brooke Hospital for Animals (India) for establishing a Farriery school to train the veterinary students, veterinarians, veterinary para-professionals, local services providers and horse owners. The University is the second institute to collaborate with Brooke Hospital for Animals (India) for this purpose. The school will deliver certified, skill-based farriery education, enhance hoof care practices, reduce lameness in horses and mules, and promote farriery as a professional livelihood in North India. It will also serve as a regional hub for capacity building, knowledge sharing, and equine welfare. Dr. J.P.S. Gill, Vice-Chancellor said that the collaboration with Brooke India will help local farriers to be equipped with better skills for welfare of equines and will augment the collaborative research on horse health and welfare issues.

MoU with Novus Animal Nutrition on Dairy Nutrition Project

The University signed a Memorandum of Understanding (MoU) with Novus Animal Nutrition (India) Pvt. Ltd. for a collaborative project on study into the effects of MFP™ feed supplement on milk production and composition in dairy cows. This research aims to evaluate 2-hydroxy-4-(methylthio) butanoate (HMTBa molecule) in lactating cow's diet. The project will be spearheaded by the Department of Animal Nutrition and supported by Novus Animal Nutrition with funding of ₹18.29 lakh, along with the provision of test material.



MoU with PDFA to Strengthen Dairy Sector in Punjab

The University signed a Memorandum of Understanding (MoU) with the Progressive Dairy Farmers' Association (PDFA), Mullanpur, Ludhiana to give a major boost to genetic improvement and milk production in Punjab. Under this MoU, elite Holstein Friesian (HF) and Jersey male calves owned by PDFA members will be screened and selected for breeding purpose. The University will produce high-quality frozen semen doses from these calves and supply them back to dairy farmers through PDFA, ensuring wider access to superior germplasm and promoting sustainable genetic advancement. This will lead to progeny testing of bulls with accurate data generation.



Open Dialogue on Cheese Prospects

College of Dairy and Food Science Technology hosted an open dialogue on 'Cheese and its Prospects in Punjab', bringing together major stakeholders to explore opportunities in the \$98 billion global cheese market. In his opening remarks, Dr. J.P.S. Gill, Vice-Chancellor, along with Dr. R.S. Grewal, Director Extension Education, emphasized the urgency of transforming Punjab into a premium cheese hub, highlighting rising global and domestic demand for specialty cheeses. **Adding to its achievements, the University envisaged to officially launch goat cheese, marking another milestone in diversifying the state's cheese portfolio and tapping into the growing niche market for healthy, high-value dairy products.** A presentation by the college outlined market trends, economics, and trade potential for premium cheeses, sparking lively discussion among participants.



Sh. Daljit Singh, President, Progressive Dairy Farmers Association (PDFA), praised the University for providing a platform to assess the cheese market's potential and appreciated a surge in young entrepreneurs returning from abroad to establish commercial dairy farms. The Dean of the college encouraged PDFA to incubate cheese-making ventures at the University, offering full technical support and guidance to help produce high-quality cheeses in Punjab.

While concluding, the Vice-Chancellor reaffirmed the University's openness to partner with the stakeholders, farmers, processors, retailers, and deliver tailored research solutions to industry challenges. The event marked a significant step towards positioning Punjab as a leader in premium cheese production, with strong industry enthusiasm and institutional backing.

National Symposium on 'Buffalo Farming for Tomorrow: Policy, Practice and Potential'

The Directorate of Extension Education organized a national symposium on 'Buffalo Farming for Tomorrow: Policy, Practice and Potential', providing a platform to policymakers, researchers, industry leaders, farmers, officials of the line departments and cooperatives as well as extension functionaries to discuss the future of buffalo farming in India, with a special focus on Punjab.

Dr. J.P.S. Gill, Vice-Chancellor and the Chief Guest of the event, during his inaugural address advocated a holistic approach among the main stakeholders for improving the productivity of buffaloes. He unveiled the University's vision of developing a comprehensive roadmap for buffalo improvement. Dr. R.S. Grewal, Director of Extension Education outlined the key issues and challenges in buffalo rearing and said that the buffalo population in the livestock census indicates a positive change towards increasing productivity in the midst of decreasing numbers of livestock.



Issues such as high calf mortality, lack of branding, weak breeding policy, gaps in milking and nutrition technology, breeding, production, health, milk processing, and buffalo meat opportunities were discussed. The expert(s) proposed launching a Buffalo Broiler Mission, creating high-value products, and emphasized the lower water footprint and environmental advantage of buffaloes. An open house discussion was also conducted.

S. Kuldeep Singh, Director, Dairy Development Department emphasized the need for a breeding policy to guide the breeding activity of buffaloes. S. Daljeet Singh, President, Progressive Dairy Farmers' Association, referred to the success attained by PDFA in genetic improvement and increasing the production of cattle. S. Rupinder Singh Sekhon, General Manager, Milkfed (Bathinda) Punjab shared that the state cooperative was exploring the possibilities of increasing the share of buffalo milk through innovative marketing.



Subsequently, the University has drafted a comprehensive Policy Paper on Practices and Policy for boosting production of buffaloes in Punjab incorporating inputs from the stakeholders. The policy document will serve as a joint roadmap towards prosperity of dairy farming and the livestock sector in the state.

Awards at the 2nd Indian Fisheries Outlook -2025

Ms. Ankita Kataria, postgraduate student of Department of Fish Processing Technology, College of Fisheries developed a **potato-based snack supplemented with 10% shrimp protein powder**, under the guidance of Dr. Vijay Kumar Reddy and this work was presented by the latter during the 2nd Indian Fisheries Outlook-2025, organized jointly by the Professional Fisheries Graduates Forum, Inland Fisheries Society of India, and College of Fisheries, Odisha University of Agriculture and Technology, Bhubaneswar from 12-14 July 2025. The work bagged the Best Poster Presentation Award under the theme 'Post Harvest Processing, Value Addition & Food Safety'.



Mr. Aritra Mukherjee, graduate from College of Fisheries of the University, earned the prestigious **Dr. T.J. Varghese Award** for securing 4th rank in All India Ranking for Best Fisheries Graduate of India Examination (2024-25), conducted by the Professional Fisheries Graduate Forum.



***Sukhmani Sahib Path* Organized for the First-Year Students' Blessing**

The Guru Gobind Singh Study Circle Unit of the University organized the *Sukhmani Sahib Path* at Gurudwara Singh Sabha, Punjab Agricultural University, Ludhiana as a blessing ceremony for newly admitted first-year students embarking on their professional journey. Students from all streams of the University participated in the recitation, which created an atmosphere of peace and gratitude. The ceremony included *Ardaas* for student's well-being, success, and righteous progress. The event concluded with *Guru Ka Langar*, symbolising equality, humility, and community service.



National Fish Farmers Day

College of Fisheries celebrated the **National Fish Farmers Day (NFFD)** from 7-11 July 2025, with a range of awareness and outreach activities. Events highlighted the vital role of fish farmers in national food and nutrition security, and promoted health benefits of fish through awareness campaigns under the slogan '**Cook Fish – Power Up Your Plate with a Super Healthy Dish**', and '**Healthy Food- Healthy People-Healthy World**'.



A consumer survey was also undertaken to study local fish consumption patterns, and a special farmers' meet was held to share information about the University resources and programmes. A commemorative fish seed release marked the anniversary of India's first successful fish breeding in 1957, which sparked the Blue Revolution. A special issue of *Vigyanak Pashu Palan* featuring fisheries articles was distributed among farmers. Dr. J.P.S. Gill, Vice-Chancellor graced the concluding session as the 'Chief Guest', and Dr. R. S. Grewal, Director of Extension Education was the 'Guest of Honor'. Dr. Gill complimented the fish farmers for their committed roles in supporting fish value chain and adopting new technologies to address climate change, soil salinity and sustainability challenges. Outstanding fish farmers and traders were felicitated, and a tribute was paid to S. Darshan Singh, a pioneer of the regional Blue Revolution.

University Incubation Centre Catalyzes Student Employment

The Veterinary and Livestock Innovation and Incubation Foundation (VLIIF), a Section 8 company established at the University incubated Frontrunner Farmers Pvt. Ltd. (FFIN). Dr. J.P.S. Gill, Vice-Chancellor said that VLIIF, through its Inclusive Technology Business Incubator (i-TBI), is emerging as a vital platform for translating research-driven ideas into high-impact startups. Three students of the University have been recruited by FFIN which reflects how the University-led incubation is translating into meaningful employment and entrepreneurial opportunities. Dr. P.S. Brar, Director of Research congratulated the VLIIF team for their efforts in nurturing innovation and creating tangible outcomes through incubation and job creation. Dr. R.S. Grewal, Director of Extension Education emphasized that this initiative underscores the growing significance of incubation centres at universities serving as engines for innovation, student skill development, and job creation. Dr. R.S. Sethi, Additional Director Research said that VLIIF is playing a pivotal role in transforming academic innovations into entrepreneurial ventures. The incubation of FFIN, which is focused on creating a 'Farmer First' ecosystem for export-grade milk under the brand pureGEM™, is a shining example of this mission in action.



Celebration of Independence Day

The University celebrated the 79th Independence Day of the nation with patriotic fervor. Dr. J.P.S. Gill, Vice-Chancellor, hoisted the national flag and paid tribute to the freedom fighters who made sacrifices for the country's independence. Dr. Gill highlighted the University's notable achievements over the past year. He emphasized that the University's ongoing research projects are significantly contributing to the advancement of animal husbandry and broader social welfare. Dr. Gill also outlined the University's infrastructure developments. He shared proudly that the University's Centre for One Health has been recognized as a special center by the Food and Agriculture Organization (FAO), designated for providing training to scientists.



The Vice-Chancellor urged faculty and staff to continue their dedicated contributions toward the institution's growth. The exemplary non-teaching staff member were honoured for their outstanding services in the University. The celebration concluded with patriotic songs performed by students, creating a vibrant and emotional tribute to the spirit of independence. The event witnessed enthusiastic participation from the officers, faculty, staff, and students of the University.

Trainings/Workshops/Seminars

International Training

College of Veterinary Science, Rampura Phul organized an international training programme under the theme '**Advances in Animal Experimentation: Ethics, Animal Models, Alternatives, and Emerging Technologies**' to strengthen the academia-industry collaborations and enhance the understanding of animal experimentation, with a focus on ethical considerations, animal models, alternatives, and emerging technologies. Additionally, it sought to bridge the gap between academic, research and industrial applications.

Dr. J.P.S. Gill, Vice-Chancellor, stressed on the need to conduct such training programmes regularly to support capacity building in the field of veterinary and biomedical sciences. The Special Guest, Dr. Alok Dhawan (Former Director, CSIR-IITR, Lucknow), delivered a talk on the toxicology of nanomaterials. Dr. V.K. Dumka, Comptroller, Dr. L.D. Singla, Director Human Resource Management, and Dr. Kuldip Gupta, Dean of the College, also delivered talk(s). A total of 251 participants attended the training programme with a diverse pool from pan-India



and overseas, including faculty and students from medical, pharmacy, and different fields of life science institutions and industries. A total of 30 technical sessions were conducted over the period of seven days, wherein the resource persons from renowned national and international institutions deliberated on both traditional and emerging tools in animal experimentation, with emphasis on the 3Rs in animal research, industry standards, GLP practices, regulatory guidelines, animal models, and their alternatives like AI, in silico systems, stem cells, zebrafish, Drosophila, smartphones, etc. This training programme significantly contributed to capacity building in the fields of veterinary and biomedical sciences.

Workshop on Farm Biosecurity and AMR



Centre for One Health of the University in collaboration with Council of Scientific and Industrial Research - Institute of Microbial Technology (CSIR-IMTECH), Chandigarh and Superheroes against Superbugs organized a capacity building workshop for students on farm biosecurity and antimicrobial resistance (AMR). The workshop entitled **'Resisting AMR: One Farm at a Time'** witnessed participation by 22 students, enriching them to translate classroom knowledge into practical, field-based skills. Students also participated in the biosecurity farm-map challenge, role plays, and reflection activities. Field surveys across 10 dairy farms in Ludhiana were conducted, where participants assessed hygiene practices, infection risk points, and farmers' perceptions. These real-world exercises strengthened their competence in applying field epidemiological tools for AMR mitigation and farm biosecurity.

Training on Pig Farming for Bihar Farmers



Department of Veterinary and Animal Husbandry Extension Education organized a training on **'Pig Farming: Skills, Science and Sustainability'**, for budding pig farmers of Bihar. A total of 18 participants attended the programme and got benefitted. The training was designed to equip farmers with both scientific skills and sustainable practices, enabling them to improve productivity while ensuring animal welfare. Pig Farmers Welfare Association (PFWA), Punjab supported this training.

Dairy Farming Training Programme



The University organized an intensive two-week Dairy Farming Training Programme, witnessing participation by 63 trainees. The key areas covered included modern housing systems for dairy cattle, balanced ration formulation, mastitis prevention and control, vaccination, clean milk production, reproductive health, biosecurity measures, marketing strategies for milk and value-added products etc. Officials from Bank of Baroda, guided participants on financial schemes and loan facilities tailored to livestock-based enterprises. Presiding over the valedictory function, Dr. J.P.S. Gill, Vice-Chancellor said that dairy farming, being the cornerstone of Punjab's agrarian economy, holds vast promise for self-employment, entrepreneurship and sustainable income generation.

Training(s) on Value Addition



College of Dairy and Food Science Technology organized hands-on training on **'Value Addition of Milk and Milk products'** to empower the stakeholders with practical knowledge on converting milk into value-added products. The participants also learned about packaging, labeling, shelf-life improvement, and marketing strategies. Similarly, Department of Livestock Products Technology of the University, in collaboration with the Punjab Agricultural Management & Extension Training Institute (PAMETI), Ludhiana, organized a training programme on **'Value Addition in the Livestock Sector'**, under the aegis of Skill Training of Rural Youth (STRY) initiative.

Training programme for livestock farmers



Centre for One Health (COH) of the University under the Asian Development Bank (ADB) and Zenex-funded project, organized a training programme for livestock farmers of Faridkot district in collaboration with Krishi Vigyan Kendra (KVK), Faridkot, Punjab Agricultural University (PAU), Ludhiana to equip participants with practical skills and scientific knowledge to prevent the spread of animal-to-human diseases, promote judicious antibiotic use, and strengthen farm biosecurity. A total of 73 farmers participated in the training.

Goat Farming Training



The University conducted a Goat Farming Training, wherein 15 participants took part and got benefited. The training covered a wide spectrum of topics, including housing systems, nutritional management, reproductive health, disease control, biosecurity measures, zoonotic risk mitigation, and effective marketing strategies. At the valedictory ceremony, Dr. R. S. Grewal, Director of Extension Education, urged the participants to embrace goat farming not just as a traditional occupation, but as a strategic and forward-looking solution for enhancing employment and achieving self-sufficiency.

Webinar on Common Pig Diseases

The University organized a webinar to sensitize the farmers about common pig diseases. Dr. R.S. Grewal, Director of Extension Education in his inaugural address stated that pig farming is becoming more and more popular across the board. Expert(s) discussed the common diseases of pig, their symptoms and preventive measures in detail. A total of 50 pig farmers attended the event.

Hands-On Training on Dairy Nutrition Technologies



Department of Animal Nutrition, College of Veterinary Science, Ludhiana organized a Hands-on Training on 'Nutritional Technologies for Dairy Farmers' under the aegis of the Directorate of Extension Education, to equip farmers with practical skills and scientific knowledge to enhance dairy productivity through improved nutritional practices. The training focused on translating advanced nutritional technologies into field applications. Key topics covered included natural fermentation of straws, preparation of urea molasses mineral blocks (UMMB), feed testing, mineral mixture formulation, formulation of balanced rations etc. The programme also took in its ambit silage making, safe feed storage, and strategies for aflatoxin control.

Inauguration of Farmers' Library



A farmers' library was inaugurated at Mushkabad FAM Dairy Producer Company Limited, at village Mushkabad (Ludhiana) under the research project 'Promotion of Farmers Producer Organization (FPO) on dairy Farming in district Ludhiana' operational under Directorate of Extension Education of the University, and funded by National bank for Agriculture and Rural development (NABARD). The major farm publications of Guru Angad Dev Veterinary and Animal Sciences University and Punjab Agricultural University, Ludhiana were provided to FPO, and the farm magazines '*Vigyanak Pashu Palan*' and '*Changi Kheti*' have been subscribed for five years for this library.

Interactive Seminar for Horse Breeders



The Directorate of Extension Education organized an Interactive Seminar for Horse Breeders of Punjab. Dr. Ramesh Kumar Dedar, Principal Scientist, ICAR-National Research Centre for Equines (Bikaner) and the 'Special Guest' at the event talked about advances in health and nutritional management of horses, emphasizing nutrition planning and vaccination as key to optimum health of horses. The University expert(s) shared views on the importance of balanced ration for optimum health and performance of horses, consideration of physiological status of horses before planning their feeding regime, and talked about formulation of feed for all age groups of horses. A total of 70 participant attended the event. Dr. R.S. Grewal, Director of Extension Education released '**Horse Health Card**' prepared by the University experts, to help breeders to maintain vaccination record for 20 horses along with guidelines on important indicators of horse health.

Training on Biofloc Based Aquaculture



College of Fisheries organized a capacity building training on '**Biofloc Aquaculture System**' (BFAS) to promote climate smart intensive aquaculture in the northern part of the country. A total of 15 stakeholders participated in training and got their skills honed up about the technical aspects and best management practices for BFAS.

Training on "Fish Farming"



College of Fisheries conducted a training programme on Fish Farming, wherein 23 entrepreneurial aspirants took part. Besides imparting technical knowledge, practical training was provided on site selection, construction of fish pond, seed quality and stocking, water quality, feeding and health management, biosecurity, harvesting, value addition and marketing. In addition to traditional aquaculture practices, participants were apprised of high yielding species and climate smart intensive aquaculture systems. Aquaculture related entrepreneurial activities were also discussed with the participants.

For an empirical understanding of the fish value chain, participants visited the farm of S. Kulbir Singh in village *Rajur* and modern fish market in Ludhiana. Further, they were also briefed about various promotional schemes and the National Fisheries Digital Platform (NFDP) for availing beneficiary support under *Pradhan Mantri Matsya Kisan Samridhi Sah-Yojana* (PM-MKSSY). Literature covering different topics was also distributed.

Training to Biosafety Practices for Researchers

The Institutional Biosafety Committee (IBSC) of the University organized a training on '**Sensitization on Various Biosafety Practices for Conducting Institutional Research**' at College of Animal Biotechnology to educate postgraduate students about biosafety ethics, laboratory protocols, and safe handling of risk group organisms. Dr. R.S. Sethi, Dean of the college, emphasized the fundamental responsibilities of researchers in maintaining a safe and hazard-free laboratory environment, and briefed about the state-of-the-art instrumentation facilities available for the University fraternity. Dr. Deepti Narang, Chairperson, IBSC, appreciated the enthusiasm of the participants and their commitment to upholding research ethics.

Farmer-Scientist Interface



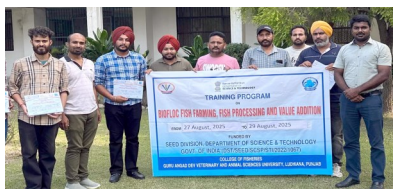
Department of Veterinary and Animal Husbandry Extension Education of the University in collaboration with the Regional Research and Training Centre (RRTC), Talwara and the village panchayat, organized a Farmer-Scientist Interface at village *Daffar*, Hoshiarpur to bridge the knowledge gap of livestock farmers, fostering awareness about scientific livestock management practices at the grass-roots level. A total of 50 livestock farmers participated in the discussions.

Nutrition Awareness Camp

The University organized a Nutrition Awareness Camp for its faculty and students in collaboration with Punjab Agricultural University and Nutrition Society of India, Ludhiana Chapter. Dr. Ravinder Singh Grewal, Director of Extension Education, inaugurated the camp and shared knowledge insights regarding significance of protein and fat sources from animal origin in the human diet. Dr. Swaran Singh Randhawa, Dean, College of Veterinary Science discussed the importance and processing techniques of millets with nutritionists. Various food sources of good fat, complex carbs, quality protein and protective foods were showcased, emphasizing their nutritive value.

Training in Biofloc Fish Farming and Processing

College of Fisheries organized training on 'Biofloc Fish Farming, Fish Processing and Value-Addition' for SC stakeholders of Punjab under the project funded by Science for Equity Empowerment & Development (SEED), Division of Department of Science and Technology (DST), Govt. of India (GOI). A total of 30 trainees were imparted practical knowledge on scientific aspects for setting up Biofloc Aquaculture Unit. They also learnt to make assorted value-added fish products and marketing strategies to improve profitability.



Activities under Farmer FIRST

Farmer FIRST Project beneficiary Starts Up Milk Processing Plant



Sh. Jasveer Singh from village *Hamidi*, trained under the Farmer FIRST project, has emerged as a role model in value addition of milk products after successfully setting up a 500-litre capacity dairy processing plant. The venture was inaugurated by Dr. R.S. Grewal, Director of Extension Education-cum-Nodal officer of Farmer FIRST Project. Dr. Grewal praised Jasveer Singh for his visionary efforts in setting up a modern and hygienic dairy plant and emphasized that Jasveer's success stands as an example for other farmers in the region who wish to enhance productivity and profitability through innovation.

Oral Magnet Feeding camp for Livestock



An awareness-cum-demonstration camp was organized on Oral Magnet Feeding at village *Moom* to educate the farmers about the benefits of oral magnet feeding for livestock, thereby enhancing animal health and productivity. Expert(s) provided insights into the concept of oral magnet feeding, to prevent traumatic reticuloperitonitis which leads to diaphragmatic hernia.

Camp on Sensor-Based Dairy Farming

An awareness-cum-demonstration camp was organized on Sensor-Based Dairy Farming at village *Mehal Kalan* to familiarize dairy farmers with the latest sensor technologies and their practical applications in improving animal health, productivity, and management efficiency.

Farmer-Scientist interface on Nili Ravi Breed Improvement



Krishi Vigyan Kendra (KVK), Booh (Tarn Taran) organized a Farmer-Scientist Interface on improvement of *Nili Ravi* buffalo breed. A total of 35 farmers participated in the programme aimed to bridge the gap between scientific research and practical farming, focusing on breed enhancement techniques. Dr. R.S. Grewal, Director of Extension Education emphasized the historical and economic significance of the *Nili Ravi* buffalo in the Majha region, highlighting its key role in sustaining the local dairy industry while also expressing concern over its declining population, warranting urgent collective efforts for its conservation. Expert(s) provided insights on various aspects of *Nili Ravi* buffalo including reproductive management practices and key strategies to improve fertility and enhance the breeding efficiency.

Exposure Visit for SC Farmers



KVK, Booh (Tarn Taran) organized an exposure visit for Scheduled Caste (SC) farmers to the University's Experimental Dairy Plant under ICAR SC-SP Scheme, to provide them hands-on training in dairy value addition techniques to promote sustainable livelihood opportunities in the border areas. A batch of 40 trainees got their knowledge and skills enhanced in scientific dairy processing, product diversification, and entrepreneurship development, under this programme. The visit marked a meaningful step towards empowering participants through capacity building and value addition, thereby enabling sustainable income generation and improving socio-economic standards in the border belt of Punjab.

University Scientist interacted on Heat Wave Risk Reduction and One Health



Dr. Jasbir Singh Bedi, Director, Centre for One Health of the University delivered two expert lectures on heats stress in livestock and one health framework during training programme on '**Heat Wave Risk Reduction & Resilience**', organized by the Environment & Climate Change Centre, Mahatma Gandhi State Institute of Public Administration, Chandigarh (MGSIPA), Government of Punjab. Dr. Bedi provided insights into integrated one health approaches, livestock heat stress mitigation, and climate-resilient farming practices. He also detailed Punjab's One Health initiatives, along with key Animal Husbandry schemes aimed at disease control, farmer support, and productivity enhancement.

University Expert Delivers Lectures at CSKHPKV, Palampur



Dr. Randhir Singh of the University was invited to Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), Palampur to share his expertise in veterinary nephrology and extracorporeal therapies. During this visit, Dr. Singh played a pivotal role in operationalizing the newly established veterinary hemodialysis unit at Palampur, one of the first of its kind in the state. He conducted extensive hands-on demonstrations and training sessions, and delivered two expert lectures on '**Evidence-based Approach to Current Diagnosis and Long-term Therapy of Canine Kidney Disease**' and '**Advanced Hemodialysis Strategies in Companion Animal Care: Approaching Beyond Crisis.**'

University Extends Helping Hand to Flood Affected Areas

The University organized an animal welfare and health camp in Tarn Taran district. A team of veterinary experts and interns students participated in the camp, offering their expertise and services to the farmers. In a commendable gesture of social responsibility and industry support, the All Feed Millers Association (AFMA), Punjab donated 75 quintal of cattle feed during this camp. S. Laljit Singh Bhullar, Cabinet Minister for Jail, Transport & Hospitality graced the occasion. He appreciated the efforts of both AFMA Punjab and the University, and remarked that such initiatives



Similarly, in a collaborative effort to assist flood-affected communities, the University in partnership with Animal Husbandry Department, Punjab and All Feed Millers Association (AFMA), Punjab, organized a comprehensive animal welfare and health camp in *Ladhuka Mandi*, Fazilka district. The event, held to commemorate the Teachers' Day, aimed to provide immediate relief and support to both livestock and residents impacted by floods. The University teachers association provided free medicines in the camp. Dr. J.P.S Gill, Vice-Chancellor praised the joint initiative, remarking that such initiatives during this critical time reflect true commitment towards community, and highlighted the University's dedication to farmer and animal welfare. The University expert(s) provided on-the-spot treatment for sick animals, vaccination, deworming, mastitis testing, and reproductive health consultations for milch animals, and distributed free medicines and feed. Going beyond their official duties, faculty and students personally contributed social amenities such as dry groceries, human medicines, and sanitary pads to help the affected. The AFMA, Punjab, made a significant contribution to the relief efforts with 100 bags of animal feed.



Guru Gobind Singh Study Circle Unit Organizes Refreshment Service

The Guru Gobind Singh Study Circle (GGSSC) unit of the University organized a refreshment service during the counselling(s) for admission to various programmes offered by the University. The *sewa* included serving tea and *samosas* to students and their parents throughout the day as they attended the counselling sessions. The event reinforced the spirit of selfless service (*sewa*) and encouraged greater student involvement in promoting values of humility, kindness, volunteerism and collective responsibility.



Tree Plantation Drive



The University initiated a tree plantation drive under the theme **‘Let’s Move Towards a Greener Future’**, to nurture a culture of ecological mindfulness amongst its fraternity. Dr. J.P.S. Gill, Vice-Chancellor inaugurated the event by planting tree sapling(s). Dr. Gill underscored the crucial responsibility of academic institutions in promoting ecological awareness and taking decisive action against climate change. Dr. S.P.S. Ghuman, Director Students’ Welfare-cum-Estate Officer shared about planting of 500 saplings, provided by the District Forest Department during the initial phase. In addition, over 1000 more saplings will be planted in subsequent phases by the University. The officials also extended thankfulness towards the Greening Punjab Mission initiated by the State Government and Sh. Rajesh Gulati, PFS, Divisional Forest Officer and his team for their support for the plantation drive.

‘Teej’ Celebration



The University celebrated the festival of ‘Teej’. Mrs. Pawanjeet Kaur Gill, better half of Dr. J.P.S. Gill, Vice-chancellor was the ‘Chief Guest’ of the occasion. Mrs. Manju Sharma, wife of Registrar and Mrs. Gurjinder Kaur Brar, wife of Director of Research were the ‘Guests of Honour’. Participants performed various cultural activities and participated in competitive events like Most Beautifully attired *Punjaban Mutiyaar*, Best dancer, *Lammi Gut* (longest hair), Longest ear rings, gorgeous Punjabi *jutti* etc. The guests and prize winners were honoured.

Student Induction Program “Deeksharambh”



New undergraduate students admitted in College of Dairy and Food Science Technology, College of Fisheries and College of Animal Biotechnology of the University underwent a personality enhancing Lifetime Learning Experience during Student Induction Program (SIP) viz. “Deeksharambh”, as per the guidelines of University Grant Commission. During the programme, students’ participation in various activities connected them to the University life and education system, with a positive mindset beyond doubts, anxiety and hesitations. Delivering the presidential address, Dr. J.P.S. Gill, Vice-Chancellor shared the University’s academic milestones and encouraged the students to adhere to discipline, chase excellence, participate in extracurricular activities and work hard in taking forward the University’s legacy of service to the farming community and development of the Nation. Dr. Suresh Kumar Sharma, Registrar apprised the students with the academic rules and regulations. Dr. Meera D Ansal, Dean, College of Fisheries explained the scope and outcome of this programme. Dr. S.P.S. Ghuman, Director Students’ Welfare educated the students to focus on physical and mental health, along with active participation in social and cultural activities. Dr. Opinder Singh, Controller of Examination shared the examination and evaluation system of the University. Dr. S. K. Uppal, Dean Post Graduate Studies shared avenues of post graduate education and highlighted the significance of academic discipline. Dr. R. S. Sethi, Dean, College of Animal Biotechnology extended vote of thanks for all the stakeholders and participants. The programme ended with an Anti-drug pledge by all the students to keep the University campus drug free.

First-year veterinary students start session with inspiration, exploration, and blessings



First year professional of B.V.Sc. & A.H. course at the College of Veterinary Science, Ludhiana began with an orientation lecture by Dr. Swaran Singh Randhawa, Dean of the college on September 9, 2025. Dr. Randhawa introduced the students to the detailed academic curriculum, infrastructure, clinical training and digital resources, and future career prospects, emphasizing hands-on learning in veterinary education. A campus tour familiarized students with the departments, research laboratories, live-stock farms and other facilities at the University.

'Anti-Ragging Week'



The University observed an 'Anti-Ragging Week', raising awareness about the ill effects of ragging and to encourage students to stand united against any form of harassment, to promote a safe and respectful environment in the University. The Directorate of Students' Welfare and constituent colleges of the University held various activities on Anti-Ragging theme, including an awareness rally, declamation and extempore event, Inter-Class Poster Making Competition etc. Further, students were encouraged to spread awareness on their social media platforms using the hashtag #YaARI Youth Against Ragging, the University, UGC and C4Y. On the concluding day, a session on 'Anti-Ragging Law' was organized. Dr. Aman Amrit Cheema, Professor of Law, Panjab University Regional Centre, Ludhiana was the resource person, who sensitized the students about the ill-effects of ragging and the penalties involved.

NCC Cadet selected for Indian Army

Cadet Bhavesh Kaundal from 1PB Remount & Veterinary SQN NCC, of the University cleared Services Selection Board and has been selected to join Remount and Veterinary corps of Indian Army. He will be commissioned as Captain. Dr. Bhavesh obtained B.V.Sc. & A.H. degree from College of Veterinary Science in 2023.



NSS Unit hold Sessions on Mental health



National Service Scheme (NSS) wing of the University organized a series of sessions on 'Miracle of Mind', encompassing meditation for youth and Stress Management, as per guidelines of the University Grants Commission. The Meditation Session was conducted by Ms. Mona Lal, Instructor, Sadhguru's Inner Engineering, to enhance focus, concentration and overall well-being. The participants learned to calm their minds, reduce stress and improve productivity. Mr. Vidur Thakur, delivered a presentation on varied subjects related to stress management.

NSS camp

The National Service Scheme (NSS) Unit of the College of Dairy and Food Science Technology organized camp under the theme 'Clean and green campus for sustainable environment'. The volunteers participated in a series of activities of cleanliness and beautification of campus. Two expert lectures were also organized during the programme, wherein Dr. Ashok Kumar delivered an insightful session on advancements and best practices in food processing and engineering. Dr. Pramesh Kumar, Assistant Professor of Food Processing, Curtin University, Australia, shared his expertise on emerging trends and international perspectives in food processing technologies.