



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 has been continuously making remarkable achievements, further solidifying its commitment towards excellence in academic, research and extension endeavours. In pursuit of the overall development of students, the University organized its 13th Inter-College Youth Festival giving an opportunity to the students to explore and exhibit their talent across various activities encompassing fine arts, theatre, music, dance, and literary events. The enthusiasm and dedication displayed by students were truly commendable. I extend my heartfelt gratitude to the esteemed Chief Guest of the event S. Harpal Singh Cheema, Hon'ble Finance Minister of Punjab, for his unwavering support to the University's ascendancy. His visit has been a transformative moment, underscoring the pivotal role of students in nation-building.

In commitment towards promoting well-being of animals, sustainable practices, and scientific knowledge, the University organized the 'Dog Show-2024', raising awareness about the importance of companion animals and the responsibilities of pet owners. We were privileged by the gracious presence of Sh. Shubham Agarwal (IPS), Joint Commissioner of Police, Ludhiana who inaugurated the event and appreciated the role of the University in advancing the livestock sector.

The University is continuously strengthening its collaboration network with national and international institutions to yield remarkable outcomes for benefitting the livestock sector. In this endeavour, a Memorandum of Understanding has been inked with the ICAR-Central Institute of Brackishwater Aquaculture (CIBA) to advance aquaculture in Punjab's inland saline areas. This collaboration will address critical challenges in the sector while fostering sustainable practices.

For transcending scientific knowledge amongst the stakeholders, the University conducted various enriching events and workshops. Notable speakers like Dr. Barry T. Rouse, University of Tennessee, USA, and Mr. Pranav Vashisht from Idaho Milk Products, USA, shared valuable insights with the University faculty and students, further enhancing their academic and research capabilities.

I am proud of the faculty for their participation and earning accolades in national and international scientific events, and hope they will continue to excel in respective domains.

As we are going to step into the New Year 2025, we shall remain steadfast in our commitment to the growth and advancement of the livestock sector, driven by the relentless dedication and efforts of faculty, staff, and students, whose endeavours have been instrumental in the success of these initiatives.

(JPS Gill)
Vice-Chancellor

Youth Festival

Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana organized the 13th Inter-College Youth Festival from November 25-28 and December 3-5, 2024. S. Harpal Singh Cheema, Hon'ble Finance Minister, Government of Punjab was the Chief Guest on the concluding day of the fest. He assured the University authorities for full financial support to develop the University infrastructure. S. Cheema appreciated the dedication and performances of students during the youth festival underscoring their role in nation building. Sh. Gurpreet Gogi, MLA, Sh. Jassi Sekhon, Senior Leader and Dr. Satbir Singh Gosal, Vice-Chancellor, Punjab Agricultural University were the Guests of Honour. Dr. J.P.S. Gill, Vice-Chancellor of the University presided over the function and emphasized that the Youth Festival plays a significant role in the upliftment of overall personality of the students. He congratulated the University fraternity for successful conduct of the event and thanked the Chief Guest for sparing his valuable time and extending a helping hand to the University for Infrastructure Development.



Competitions in several categories and events were held with active participation of more than 200 students from five constituent colleges and a Veterinary Polytechnic, and two affiliated colleges. Students showcased their talent in different fields including Fine Arts, Theatre, Singing, Dances and Literary events. Sh. Karamjit Anmol, a renowned Punjabi folk singer and actor mesmerized the audience with his melodious voice, and entertained with Punjabi songs.



The dignitaries distributed the prizes to the winners. Best male and female actors were awarded with the Gold medals and cash award in the name of Dr. Darshan Bari, a noted Punjabi actor and Kabaddi commentator, who retired from the University as Welfare Officer. College of Veterinary Science, Ludhiana won the Overall Trophy, whereas, College of Veterinary Science, Rampura Phul garnered the Runners Up Trophy.

Dog Show and Breed Competition



The University organized 'Dog Show' on 15th December 2024. Sh. Shubham Agarwal (IPS), Joint Commissioner of Police, and the Chief Guest of the occasion inaugurated the show. He underpinned the importance of domestic animals and companion animals throughout the evolution of society and lauded the services extended by the University for development of livestock sector.

Dr. J.P.S. Gill, Vice-Chancellor highlighted the long running association of dogs with human civilization and said that this relationship is all the more important in the modern world, especially in the cities where pets provide companionship to children and adults alike. He also highlighted the research, clinical and training facilities provided by the University for dogs and pet owners and added that the show would be beneficial for pet lovers as well as academicians and industry to develop a sustainable strategies for ascendancy of this sector.

A souvenir consisting of selected articles on dog health and welfare was released by the dignitaries. A special show of the Dog Squad of Indo Tibetan Border Police was organized. Breed competitions were held across different categories, wherein more than 100 owners showcased their dogs. An exhibition of feed, health supplements and other accessories was also held by the industry. To create awareness and end the stray animal menace, a special awareness campaign was organised under the theme 'The stray dog could be an ideal pet if cared properly'. The Vice-Chancellor honoured the winners during the valedictory ceremony.

Mega Blood Donation Camp

Guru Angad Dev Veterinary and Animal Sciences University Unit of the Guru Gobind Singh Study Circle in collaboration with Dayanand Medical College and Hospital (DMC&H), Ludhiana organized a Blood Donation Camp to mark the 555th birth anniversary of Guru Nanak Dev Ji. Dr. J.P.S. Gill, Vice-Chancellor inaugurated the camp and highlighted the significance of blood donation, embodying the true spirit of service to humanity, transcending barriers of religion, caste, and creed. Dr. Gill acknowledged the teachings of Guru Nanak Dev Ji, whose message of selfless service and compassion continues to inspire people to contribute to society. The camp witnessed participation from students, faculty members, and staff of University, donating a total of 100 units of blood.



Memorandum of Understanding

University signs MOU with Central Institute of Brackishwater Aquaculture

The University inked a Memorandum of Understanding (MoU) with ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai to promote sustainable development of aquaculture in the inland saline areas of Punjab. The MoU was signed by Dr. Kuldeep K. Lal, Director of ICAR-CIBA, and Dr. A. K. Arora, Director of Research of the University, in the presence of the Vice-Chancellor Dr. J.P.S. Gill and other university officers and scientific team from College of Fisheries. Dr. Gill said that the challenges of seed quality, feed cost, disease outbreaks, and export-dependent marketing are the major issues impeding progress of shrimp farming in the state and collaboration with CIBA will enable the University to address these challenges effectively, while also introducing new species and systems to ensure the sustainable development of inland saline water aquaculture in the region. The MoU will primarily focus on diversification and include provisions for the mutual exchange of scientific information, capacity building for stakeholders and collaborative research to develop sustainable aquaculture models for inland saline areas.



American Scientist Reveals Innovative Strategies to Combat Diseases

Internationally renowned scientist Dr. Barry T. Rouse from the University of Tennessee, USA, delivered a talk on '**How our immune system battles pathogens**' at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. The expert delved on groundbreaking approaches to managing immune system overreactions that often worsen diseases. He explained the critical challenges posed by immune dysfunction in diseases like dengue, hepatitis and COVID-19. Dr. Rouse detailed how viruses evade detection by altering their appearance or hiding within the body. He also demonstrated how the gut microbiome can be harnessed to counter harmful immune reactions.



Dairy Industry Expert from USA Interacts with the University Fraternity

Mr. Pranav Vashisht, a Process Improvement Specialist from Idaho Milk Products, USA, delivered a lecture on '**Sustainability Practices in the U.S. Dairy Industry**' at the College of Dairy and Food Science Technology. He shared expertise and experiences on sustainable dairy processing, highlighting the importance of conserving water and energy, reducing waste, and applying sustainability across the entire dairy value chain i.e., from farm to consumer(s). The interaction provided valuable global insights and opportunities for academic and professional growth of the participants.



Principal Secretary Visits the University



Shri Rahul Bhandari, IAS, Principal Secretary, Animal Husbandry, Dairy Development, and Fisheries, Government of Punjab, visited Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. Dr. J.P.S. Gill, Vice-Chancellor of the University, took him for a tour of various colleges, farms and other infrastructural facilities on campus. At the Teaching Veterinary Clinical Complex and Multi-Specialty Veterinary Hospital, Sh. Bhandari was apprised of the advanced treatment facilities, and the services rendered at the Farmers Information Center. At the dairy farm, he was briefed about the elite animals of the University and the concerted efforts related to herd management, climate resilient sheds and measures on breed improvement through embryo transfer technology. The Principal Secretary expressed keen interest in re-circulatory aquaponics and biofloc fish farming methods, which he opined emphatically can contribute to conservation of land and water resources and can give positive flip to conserving our ecosystem. He appreciated the research in innovative areas like stem cell therapy and treatment of tumours. He also assured of utilizing the University expertise for developing government policy for control of diseases like brucellosis.

The Principal Secretary held a meeting with the University officers. During the meeting, Dr. Banga, Registrar, provided a comprehensive overview of the University's teaching, research, and extension activities. Sh. Bhandari was overwhelmed by the on-going research initiatives and commended the University's progress in various fields for the benefit of farmers and livestock owners. He further emphasized the importance of adopting villages and farmer-oriented research and urged officials to focus on uplifting economically weaker sections of society. Mr. Bhandari gave a patient hearing to the long pending issues of the University and assured his full support in resolving the issues under his administrative control.

RPF Explosive Detection Dog 'Anex' Recovers After Life-Saving Dialysis at the University

Under the expert care of specialists of Dialysis unit of the University, 'Anex,' a Railway Protection Force (RPF) Explosive Detection dog, made a remarkable recovery after suffering from pancreatitis and an acute kidney injury. The dog was diagnosed with pancreatitis, a painful and potentially life-threatening inflammation of the pancreas, compounded by acute kidney injury that severely affected his ability to function. His deteriorating condition called for immediate intervention, and the veterinary team at the dialysis unit initiated dialysis to manage the kidney injury. The dialysis procedures, along with a tailored medical regimen, helped stabilize his condition, and the dog recovered well.



Stress-free Academic, Research and Extension Environment in the University is on Priority of the Vice-Chancellor



Dr. J.P.S. Gill, Vice-Chancellor, in his maiden address to the faculty inspired the faculty to work for the betterment of the institution with full dedication. Dr. Gill said that the University is dedicated to livestock and farmers and with co-operation of the whole fraternity, its facilities and services will be strengthened, with more potential. Emphasizing the need to strengthen the academic sector, he said that the better students we prepare, the better they will serve the society by becoming expert professionals. Throwing light on the research activities, the Vice-Chancellor stressed that research projects not only benefit the farmers but also give way to new entrepreneurs to set up their ventures in the livestock sector. He added, while doing research, the problem(s) of farmers and their welfare should be the prime concern. Dr. Gill said that through extension activities, the University has established a very close relationship with the farmers and exhorted the faculty to strive to build stronger links through various means. The Vice-Chancellor encouraged the scientists to communicate with farmers in vernacular language to remove the linguistic barrier. He assured the teachers to extend his full support to those working with good spirit. He also recalled the contributions of his predecessor Vice-Chancellors and said that he would try to build on their achievements. He expressed his priority of creating a healthy environment in which work is done in a positive manner.

National Milk Day

The University in collaboration with Indian Dairy Association (IDA) Punjab Chapter, celebrated the National Milk Day. Dr. J.P.S. Gill, Vice-Chancellor and the Chief Guest of the function elaborated the importance of livestock sector in agrarian economy which contributes around 39 percent of the total agricultural GDP of Punjab. He further underpinned the importance of biosecurity at dairy farms, tackling adulteration through



public awareness, and using Artificial Intelligence (AI) to streamline milk supply chains. S. Inderjit Singh Sra, Chairman IDA (Punjab Chapter), underscored various activities conducted under the banner of IDA in the area of dairy development. Dr. Sanjeev Kumar Uppal, Dean, College of Dairy and Food Science Technology and Convener of the event, apprised about the theme of the seminar and highlighted the role of AI and Information Technology in dairy sector and importance of precision dairy farming. Expert(s) highlighted the remarkable journey of dairy development in Punjab from a milk-deficit state to becoming a frontrunner in dairy production, and its contribution in the national economy. During the seminar, a technical session was conducted where experts from different organizations with their backgrounds in dairy farming and application of AI, elaborated on its role in transforming dairy practices, health monitoring and marketing strategies. A total of 200 participants attended the programme.

Annual Convention on Livestock Reproduction



The University hosted the 39th Annual Convention of the Indian Society for the Study of Animal Reproduction (ISSAR) and the National Symposium on ‘**Challenges in Enhancing Reproductive Efficiency of Livestock: An Indian Perspective**’ from 29th November to 1st December 2024. Dr. J.P.S. Gill, Vice-Chancellor of the University and the Chief Guest of the occasion inaugurated the convention along with Dr. Gursharanjit Singh Bedi, Director, Department of Animal Husbandry, Punjab and the Guest of Honour. Dr. Gill emphasized the need to provide practical solutions to help improving livestock reproduction, health and productivity. The president of ISSAR, Dr. Shiv Prasad, highlighted the role of reproductive scientists in the development of health and wealth.

The event witnessed participation by more than 400 delegates from across the country, making it a significant gathering of experts and researchers in the field of animal reproduction. During the symposium, 11 technical sessions were conducted. The awards were presented to individuals who made outstanding contributions to the field of veterinary gynaecology, obstetrics, and reproductive biotechnologies. A major highlight of the event was the Academia-Industry-Farmers Interface, bringing together stakeholders from various sectors, encouraging direct communication between scientific researchers, industry experts, and farmers to address the challenges faced by the livestock sector. Dr. S.P.S. Ghuman, Chairman of the symposium, shared the key recommendations aimed at improving reproductive efficiency and the overall livestock productivity, including adoption of advanced reproductive technologies, furthering genetic improvement research, enhancing farmer awareness programmes, and fostering public-private partnerships to support sustainable livestock farming. The valedictory function was graced by Dr. J.P.S. Gill, Vice-Chancellor as the Chief Guest, and Dr. Tirtha Kumar Datta, Director of ICAR-Central Institute for Research on Buffaloes, Hisar, as the Guest of Honour.

Livestock Farmers Trained on Judicious use of Antibiotics in Animals

The Centre for One Health of the University in association with College of Veterinary Science, Rampura Phul, organized a training programme on ‘**Improving Animal Health Practices of Livestock Farmers to Contain Antimicrobial Resistance and Promote One Health**’ under the aegis of the project funded by the Asian Development Bank and Zenex, India, with support from Sathguru Consultancy Management, Hyderabad. The training focused on disseminating knowledge about judicious use of antibiotics in animals to prevent the spread of antimicrobial resistance using one health approach. The participants were also informed about zoonotic diseases transmitted from animals to humans along with their prevention and control measures, good farm management practices, clean milk production, farm biosecurity and the gender sensitization.



Award(s)/ Honour(s)/Recognition(s)

Dr. J.P.S. Gill, Vice-Chancellor bags ‘Chellappa Memorial Oration Award’

Dr. J.P.S. Gill, Vice-Chancellor of Guru Angad Dev Veterinary and Animal Sciences University has been honoured with the prestigious ‘**Chellappa Memorial Oration Award**’ at the 24th Annual Conference of Indian Society of Veterinary Pharmacology and Toxicology held at U.P Pandit Deen Dayal Upadhaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan (DUVASU), Mathura. Dr. Gill has also been the Guest of Honour during this conference.

Scientist Honored with National Fellowship

Dr. R.S. Sethi, Additional Director of Research has been honoured with the **Fellowship by the Indian Society of Veterinary Immunology and Biotechnology (ISVIB)** in acknowledgment of his exceptional achievements and significant impact on the field of immunology and Biotechnology. The honour was conferred during the ISVIB’s XXIX Annual Convention and National conference at Madras Veterinary College, Chennai.

**Best Editor-in-Chief Award**

Dr. V.K. Dumka, Comptroller and Dr. M.K. Lonare, Associate Professor have been bestowed with the **Best Editor-in-Chief (Toxicology International)** award at the International Conference on Current Trends in Toxicology, 2024 and the 43rd Annual Meeting of Society of Toxicology, India held at Lovely Professional University (LPU), Jalandhar.

**Award by Anatomical Society, London**

Dr. Kritima Kapoor, Assistant Professor, Department of Veterinary Anatomy earned the **Anatomical Society Runner-Up Best Image Prize 2024 (Science Category)** from the **Anatomical Society, London** in an International Image Contest organized bi-annually by this society. She has been conferred with a certificate and a book entitled ‘*Leonardo da Vinci Anatomist*’, by Martin Clayton and Ron Philo through the office of Society at Department of Anatomy and Human Sciences, King’s College, Hodgkin, London.

**Scientist delivers Lecture at Korean Veterinary Conference**

Dr. Randhir Singh, Assistant Professor, Department of Teaching Veterinary Clinical Complex of the University showcased his Veterinary Dialysis expertise on a global platform during the prestigious **Korean Society of Veterinary Circulation Conference (KVCC)** held in Seoul. Dr. Singh delivered an invited lecture on ‘Current Trends in Hemodialysis and Its Applications in Companion Animals of India’.

**Scientists Shine at National Poultry Symposium**

Dr. Gurjot Kaur Mavi, Assistant Professor, Directorate of Livestock Farms has been honoured with the Indian Poultry Science Association (IPSA)-Young Scientist award for the best research paper presentation on ‘**Identification of Fertility Associated Sperm Proteins in Kadaknath Breed**’ authored by Gurjot Kaur Mavi, PP Dubey, Ranjna S Cheema and Raman Narang. The honour was conferred at the XXXIX Indian Poultry Science Association Conference (IPSACON-2024) and National Symposium on ‘Shaping the Indian Poultry Sector for Sustainable Growth’ held at MAFSU, Nagpur.



Dr. Rajesh V. Wagh, Assistant Professor bagged the ‘**Best Poster Presentation Award**’ for research work on ‘**Development of functional Pasta fortified with spent hen meat and DHA powder**’, co-authored with Dr. Nitin Mehta.

Scientists brought laurels at National Symposium



Faculty and students of Department of Livestock Products Technology of the University earned accolades at the 12th Conference of the Indian Meat Science Association and National Symposium on 'Green and Sustainable Meat Sector: Global Game Changer' organized by Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya, Mathura (U.P.).

The University contingent secured five prestigious awards for exceptional research contributions across various sessions. Dr. Nitin Mehta and Dr. Pavan Kumar bagged the '**Best Paper Presentation Award**' for their research on antimicrobial essential oil nanoemulsions and factors affecting fresh meat quality, respectively. Dr. Jeyapriya and Dr. Shilviya Bhat, Ph.D. scholars earned honours for the best paper and poster presentations, respectively. Dr. Abhinandh K., an M.V.Sc. student got honoured for his innovative work on restructured meat products. Dr. Nitin Mehta, delivered a lead paper on the encapsulation of essential oils for quality control of livestock products and was also reappointed as Associate Editor of the Journal of Meat Science, a Scopus-indexed journal of IMSA. Dr. Pavan Kumar was elected as Joint Secretary of the Indian Meat Science Association.

Best Researcher Award in the International Conference

S. Mandeep Singh Sran, a Researcher of the University has been honoured with the '**Best Researcher Award**' at the International Conference on 'Recent Trends in Advancement of Agriculture, Horticulture, Livestock and Allied Sciences (RTAAAS-2024)' organized by the Shri Guru Ram Rai University, Dehradun, Uttarakhand in collaboration with Just Agriculture Education Group, Society of Agriculture & Biological Sciences Research, Noida and Indian Council of Agricultural Research (ICAR).



Best Oral Presentation Award

Dr. Vijay Kumar Reddy, Scientist at College of Fisheries was conferred with the 'Best Oral Presentation Award' for his postgraduate student's research work entitled '**Supplementation of wheat flour with processed Rohu fish powder; influence on dough characteristics and chapati quality**' under the theme 'Advancement in Animal and Fish Biochemistry' during the 8th Annual Convention of Society of Veterinary Biochemists and Biotechnologists of India and National Symposium on 'Unlocking the Potential of Veterinary Biochemistry and Biotechnology for Food and Nutrition Security' (SVBBICON-2024) held at College of Veterinary Science and Animal Husbandry, Mathura on 20-21 December, 2024.



Ready-to-Refer Library Inaugurated in Dialysis Unit



Dr. J.P.S. Gill, Vice-Chancellor of the University, along with distinguished guests Prof. Jay Willson and Kent Heckler inaugurated the 'Ready-to-Refer Library' at the Dialysis Unit of Veterinary Teaching Hospital. The Library aims to provide veterinary students with immediate access to pivotal educational resources, enhancing their ability to assist in the diagnosis and treatment of renal diseases in animals. This strategic location ensures that students can easily refer to relevant materials while engaged in hands-on clinical work, thus strengthening the connection between theory and practice. The Vice-Chancellor underscored the importance of such initiatives in bridging gap between academic learning and practical application. Prof. Jay Willson and Kent Heckler also praised the initiative, providing invaluable support for veterinary students in mastering specialized techniques in dialysis and renal care.

Maiden Animal Husbandry Fair at College of Veterinary Science, Rampura Phul

College of Veterinary Science, Rampura Phul conducted its maiden Animal Husbandry Fair on 22nd November, 2024. S. Balkar Singh Sidhu, Hon'ble Member of the Legislative Assembly from Rampura Phul, was the Chief Guest of the occasion, and Dr. Gursharanjit Singh Bedi, Director, Animal Husbandry Department, Punjab was the Guest of Honour. The event brought farmers, industry, students and faculty on a single platform for dissemination/exchange of knowledge about the latest advancements in livestock management, breeding, and veterinary care. The Chief Guest and other dignitaries visited the demonstration stalls and showed keen interest in different species of Livestock.



Dr. J.P.S. Gill, Vice-Chancellor, impressed upon the value addition to augment farmers' income. He shared that the University is in process of adopting villages so that the University scientists can reach farmers at their level to help them in every aspect. Further, he added that the animal husbandry fair in Rampura Phul will be an annual event.

The fair featured a wide variety of exhibits, including live demonstrations on dairy farming, poultry management, and sustainable farming practices. The leading Veterinary Pharmaceutical companies, and Dairy and livestock equipment and feed related factories put their stalls in exhibition. Different delicacies prepared by the College of Dairy and Food Science Technology and the Department of Livestock Products Technology were available for sale. The expert(s) imparted knowledge on different aspects of animal nutrition, health, and welfare. A key highlight of the event was competition for the best livestock, with participants showcasing high-quality buffaloes and goats and the top three owners in each category were awarded certificates and cash prizes. The fair also included a marketplace with local vendors offering products related to animal feed, equipments, and health supplements. The event provided a platform for networking and deepened the understanding of responsible and efficient animal farming practices. Dr. Digvijay Singh, Dean of the college extended his gratitude and congratulated everyone involved in the event.

'PITCHQUEST 2024' Entrepreneurship Workshop in Collaboration with University of Saskatchewan, Canada

The Veterinary Livestock Innovation and Incubation Foundation (VLIIF) of the University organized PITCHQUEST 2024, a workshop and pitch presentation event. Dr. J.P.S. Gill, Vice-Chancellor, inaugurated the workshop and highlighted the University's commitment to fostering innovation and entrepreneurship. The event was graced by eminent personalities including Dr. Jeetendra Verma, President of the World Veterinary Poultry Association, Dr. Dapinder Kaur Bakshi, Joint Director, Punjab State Council for Science & Technology, Dr. C. Soundararajan, Director, Centre for Animal Health Studies, Chennai, Dr. Munish Jindal, President, MentorX, S. Amardeep Singh Walia, StartUp Punjab and officers of the University.



The workshop was held in collaboration with Opus, University of Saskatchewan, Canada, and aimed to empower entrepreneurs and innovators in the fields of dairy, and livestock sector with essential skills for transforming ideas into impactful ventures. The event concluded with a pitch presentation competition where six startups showcased their innovative ideas before an esteemed panel of judges and investors.

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

Workshop for Health Concerns of Slaughterhouse Workers



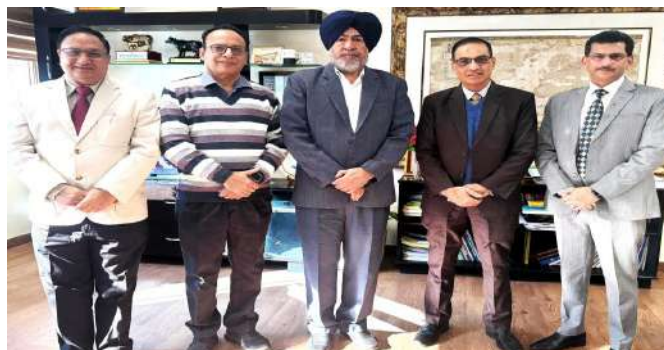
Health professionals from the University and Dayanand Medical College & Hospital (DMCH), Ludhiana, conducted a sensitization workshop at the Municipal Corporation Slaughter House, Chandigarh in collaboration with Municipal Corporation, Chandigarh under the aegis of Indian Council of Medical Research (ICMR) project on ‘**Building a Surveillance Model for Detecting Zoonotic Spillover in Increased Animal-Human Interaction Settings Using a One Health Approach**’. A total of 30 slaughterhouse personnel attended the workshop aimed at raising awareness amongst them about the occupational exposure to zoonotic diseases and maintenance of good hygiene and sanitation practices at the working environment. Expert(s) emphasized the vital role of collaboration between municipal health authorities and researchers in addressing diseases transmissible from animals to humans and adoption of good hygiene practices.

Innovative Fish Farmers Association Meeting



The Monthly Meeting of the Innovative Fish Farmers Association of Punjab was held at College of Fisheries, wherein the farmers were briefed on management practices for maintaining fish health during the winter season. The fish health management, disease outbreaks, new initiatives and schemes launched by the Department of Fisheries, Ministry of Fisheries, Animal Husbandry, and Dairying, Government of India were discussed.

Workshop to Enhance Research Proposal Writing Skills



The Human Resource Management Cell (HRMC) of the University organized a workshop entitled ‘**Writing Winning Research and Grant Proposals**’ to equip faculty and researchers with the essential skills to secure competitive research funding. Dr. Chander K. Shahi, a renowned expert and Dean of Graduate Studies at Lakehead University, Canada shared practical strategies for crafting compelling research proposals. Participants received in-depth guidance on key aspects, including understanding funding agency requirements, structuring proposals effectively, and articulating research impact. Dr. Shahi interacted with Dr. J.P.S. Gill, Vice-Chancellor to explore collaborative opportunities between the two universities with an aim of student and faculty exchange and joint research ventures.

Capacity Building of Uttarakhand Fish Farmers



The College of Fisheries organized a tailor-made capacity building programme for a group of 25 farmers from Haridwar under the Uttarakhand state sponsored programme. The trainees were apprised about the new technologies and innovations in respect to various aquaculture practices and systems, with special reference to carp polyculture, pangas catfish culture, fresh water prawn culture, ornamental fish culture, intensive aquaculture technologies *viz.* RAS and BFT, and value addition.

Demonstration on Trace Minerals Feeding under Farmer FIRST Project



The University organized an awareness-cum-input distribution camp in village Hamidi, adopted under the Farmer FIRST Project sponsored by the ICAR. The expert(s) explained the role of trace minerals in enhancing milk production, improving reproductive performance, boosting immunity, improving growth and development, improving feed efficiency and prevention of deficiency disorders in dairy animals. The queries of the farmers were addressed and they were motivated to adopt technology for better returns from dairy farming. A demonstration on trace mineral feeding was also conducted in which 25 dairy farmers participated and gained first-hand knowledge on the technology.

Training Programme on 'Biofloc Fish Farming and Fish Processing & Value-Added Products'



Department of Fish Processing, College of Fisheries organized a residential training programme on 'Biofloc Fish Farming and Fish Processing & Value-Added Products' from 16-18 December 2024. A total of 36 farmers and entrepreneurs were equipped with the skills in biofloc technology and fish processing to boost sustainability and profitability. The training was sponsored by the SEED Division of the Department of Science and Technology (DST), Government of India.

Meeting with Progressive Livestock Farmers Association (PLFA®)

The University conducted its monthly meeting with Progressive Livestock Farmers Association (PLFA®) at Ludhiana. A total of 67 dairy farmers attended the programme and got benefitted. Expert(s) imparted scientific knowledge regarding improved cultivation of fodder crops, improved fodder varieties, and fertilizers application rates. Further, the deficiency of micro minerals, occurrence of certain weeds, advantage of Calf Milk Replacer, Crop Residue Management (CRM), milking schedule for the calves, strategies in the ration formulation, nutritive value of silage and fodders, importance of the stage of cutting of fodder, special formulations for milking animals during winter etc. were discussed.

Skill Development Training Programmes on 'Scientific Fish Farming' and 'Fish Processing and Value Addition'

KVK, Booh (Tarn Taran) organized skill development training programmes on 'Scientific Fish Farming' and 'Fish Processing and Value Addition', in collaboration with ICAR-Central Institute of Fisheries Education (CIFE) under the Schedule Caste (SC-SP) Scheme of Govt. of India. A total of 70 trainees got benefitted in these programmes, tailored to inculcate entrepreneurial skills in fisheries to empower participants to generate their livelihood. The trainees received real time learning experience in fish farming through knowledge on pre-stocking, stocking and post-stocking management practices and were inculcated with entrepreneurial skills on fish processing and value addition through hands on training. Besides this, expert(s) also imparted knowledge on fish processing, disease management in fish culture, fish post-harvest handling and culture practices through hands on training and lectures.

'Swachhta Hi Seva Campaign 2024'

Under 'Swachhta Hi Seva Campaign 2024' under the aegis of 'Swabhav Swachhata – Sanskar Swachhata', the NSS unit of the University organized a poster-making and slogan-writing competition on the theme 'Say No to Plastic' to bring environmental awareness amongst volunteers. A cleanliness drive was also organized to make campus plastic free. A total of 150 NSS volunteers participated in the programme.

Kisan Mela(s) on Crop Residue Management (CRM)

Krishi Vigyan Kendra, Booh (Tarn Taran) organized Kisan Mela on 'Crop Residue Management' (CRM) under the aegis of project on 'Promotion of agricultural mechanization for in-situ management of crop residues'. S. Laljit Singh Bhullar, Hon'ble Cabinet Minister, Jail, Hospitality and Transport, Punjab graced the occasion as the Chief Guest. Dr. J.P.S. Gill, Vice-Chancellor of the University and Sh. Paramvir Singh, Deputy Commissioner, Tarn Taran were the 'Guest of Honour'. The minister asserted that instead of burning crop residues, farmers should come forward to use it *in-situ* in the fields for improving the soil health and environment. Dr. Gill urged farmers to stop burning crop residue and suggested to use paddy straw for economizing the livestock production. Further, he added that about 20 Lakh tonnes of crop residue is generated in Punjab which can be brought for various uses in agriculture and livestock to boost the economy of the agrarian and livestock farmers. Progressive farmers who shunned burning paddy straw and are managing it in their fields also shared their experiences with the participants of the event. Expert(s) disseminated scientific know-how to the farmers on managing straw in fields, besides demonstrating the University technologies. The progressive farmers and panchayat heads were honoured during the event.



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KVK, S.A.S. Nagar (Mohali) also organized the Kisan Mela on '*In-situ* crop Residue Management'. Dr. Parkash Singh Brar, Director of Extension Education of the University presided over the event as the Chief Guest and cautioned the farmers regarding crop residue burning, highlighting its harmful effects on soil, human and animal health. Expert(s) delivered lectures on the various aspects of paddy straw management. Progressive livestock & Agriculture farmers of the district also shared their experiences in straw management. Exhibitions were also organized in which many line departments, private companies, FPOs, SHGs and entrepreneurs displayed their products and services. A Nukkad Natak was played by National Fertilizers Ltd.



Awareness camp on 'Milk Adulteration Detection Kit'

KVK, Booh (Tarn Taran) organized an awareness camp on 'Milk Adulteration Detection Kit' at village Harike. A total of 40 participants attended the programme. The expert(s) explained the common adulterants found in milk, and usage of milk adulteration detection kit. Further, a live demonstration session was conducted to detect the adulteration in samples collected from different village households. The participants were guided towards clean milk production to get the best value of their dairy produce. Milk adulteration detection kits were also distributed amongst the participants.

