



e-Newsletter

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

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April - June 2022 (2)

From the Desk of the Vice-Chancellor



The competent and skilled field functionaries are paramount to the overall growth and development of the livestock sector. Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana with the untiring efforts of the capable and experienced faculty and staff hard work and state-of-the-art infrastructure, is producing quality human resources to serve the sector. During the 2nd Convocation of the University, held on 20th April 2022, a total of 318 students were awarded degrees and 24 students were bestowed with gold medals by His Excellency, the Governor of Punjab and Hon'ble Chancellor of the University Sh. Banwarilal Purohit. Such occasions motivate the learners to do best in their respective fields, and add wings to their dreams.

The University has developed various model facilities at its premises for practical education and demonstration to farmers so that the same may be mimicked in field at various scales. S. Kuldeep Singh Dhaliwal, Hon'ble Cabinet Minister, Animal Husbandry, Fisheries and Dairy Development, Rural Development & Panchayats and NRI Affairs, Punjab inaugurated the newly constructed "Climate Resilient Animal Shed" for 150 animals at the University, equipped to provide a comfortable habitat for animals. The newly constructed building of the College of Fisheries having ultra-modern teaching facilities was also inaugurated by the Hon'ble minister.

The University is benefitting the stakeholder(s) with research output having practical applicability and usage. The patent earned by the University on buffalo milk protein concentrate will broaden the milk industry's horizons and boost the possibilities for adding value to buffalo milk as a premium source for creation of high-quality protein powders. The University has inked Memorandums of Understanding (MoUs) with industry/ organizations for exchange of technical knowledge and services for further ascendancy of the livestock sector.

The University promotes the Integrated Farming System (IFS) for augmenting farmers' income. S. Laljit Singh Bhullar, Hon'ble Cabinet Minister, Transport and Hospitality, Punjab advocated this model of the University at the Farmers' Fair held at Krishi Vigyan Kendra of the University at Booh (Tarn Taran). Organization of training programme(s), workshop(s), webinar(s), farmer-scientist interaction(s) etc. is a regular feature of the University and its outstations for dissemination of technical know-how amongst farmers and other stakeholders.

The University has built a connexion with its alumni by organizing 'GADVASU Alumni Meet-2022' bringing together the veterans and youngster(s) together for sharing experience(s) and strengthening bonding while cherishing fond memories.

I wish, with the energetic efforts of faculty, staff and students, the University will continue its excellence in academic, research and extension pursuits for benefitting the end users-farmers.

**(Inderjeet Singh)
Vice-Chancellor**

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GADVASU holds 2nd Convocation

GADVASU conducted its 2nd Convocation on 20th April 2022. His Excellency, the Governor of Punjab, Shri Banwarilal Purohit, Hon'ble Chancellor of the University graced the sacred occasion as the Chief Guest and awarded 318 degrees and 24 medals to the meritorious students. He congratulated the youth who received their degrees after successfully completing the rigorous academic and research programmes in the University and motivated them to take up all types of challenges gracefully and courageously in their professional life. Dr. Inderjeet Singh, Vice-Chancellor of the University put forth the magnificent achievements of the university. Sh. Tarun Shridhar, IAS (Retd.), Former Secretary, Department of Animal Husbandry, Dairying and Fisheries, Govt. of India was awarded *honoris causa* degree for his contribution towards upliftment of the livestock sector.



His Excellency, The Governor of Punjab Sh. Banwarilal Purohit awarding *honoris causa* (doctorate) to Sh. Tarun Shridhar, Former Secretary, GoI

Dr. Inderjeet Singh, Vice-Chancellor of the University put forth the magnificent achievements of the university. Sh. Tarun Shridhar, IAS (Retd.), Former Secretary, Department of Animal Husbandry, Dairying and Fisheries, Govt. of India was awarded *honoris causa* degree for his contribution towards upliftment of the livestock sector.

Hon'ble Minister of Animal Husbandry, Fisheries and Dairy Development inaugurates the Climate Resilient Animal Shed and new building of College of Fisheries

S. Kuldeep Singh Dhaliwal, Hon'ble Cabinet Minister, Animal Husbandry, Fisheries and Dairy Development, Rural Development & Panchayats and NRI Affairs, Government of Punjab inaugurated the **Climate Resilient Animal Shed** for 150 animals and **new building of College of Fisheries** at GADVASU. During his maiden visit to the University, the minister emphasized on improving the socio-economic condition of the farmers which he opined can be improved through livestock occupation. He advised the farmers to take advantage of the institutions like GADVASU for the betterment and advancement of livestock profession. Dr. Inderjeet Singh, Vice-Chancellor of the University said that livestock occupation is growing at an annual rate of 8 per cent, whereas in agriculture, the growth rate is 3.4 percent. Emphasising the pivotal role of livestock sector in Indian economy, Dr. Singh stressed on the need to increase the productivity of livestock by improving breeds of livestock.



The Climate Resilient Animal Shed developed at the University with the financial assistance of the Ministry of Environment, Forest and Climate Change, Government of India and contributed by NABARD and Punjab State Council of Science and Technology provides a very comfortable habitat for animals in which indoor temperature can be reduced by 5 to 7 degrees with fans, sprinklers and other techniques. Such sheds also require less labour and animals give more production in a comfortable conducive environment.

Integrated farming system is suitable for higher return - S. Laljit Singh Bhullar, Cabinet Minister

Krishi Vigyan Kendra, Booh organized Agriculture and Livestock Farmers' Fair. S. Laljit Singh Bhullar, Hon'ble Cabinet Minister, Transport and Hospitality, Punjab was the Chief Guest of the occasion. About 4000 farmers took part in the fair aimed at disseminating agriculture and livestock related au-currant information amongst the stakeholders. S. Bhullar expressed his happiness to visit the state's best KVK and encouraged the farmers to take maximum benefit of KVK and University expertise, and invited them to come ahead and adopt integrated farming system for better economic returns. The Hon'ble Minister inaugurated the Farmer Producer Organization established by KVK and launched the value added products. Progressive farmers were also honoured. The University products such as Mineral mixture, Uromin Lick, Bypass fat, seed of Kharif crop varieties etc. were available for sale to the participant farmers.



Dr. JPS Gill, Director of Research and Dr. PS Brar, Director of Extension education welcoming the Hon'ble Minister S. Laljit Singh Bhullar



The Hon'ble Minister visiting the exhibition organized by Krishi Vigyan Kendra

GADVASU Alumni Meet-2022

The University organized 'Alumni Meet-2022'. A total of 500 participants took part in the mega event. Dr. R.P. Saigal, Sr. Alumni and Former Dean, College of Veterinary Science was the Chief Guest. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU addressed the alumni and encouraged them to deliver their best in respective areas of expertise for uplifting the livestock sector *vis-à-vis* society. Technical sessions were conducted in respective colleges of the University, where experts from the relevant fields shared their knowledge and experiences, and exchanged ideas. A short film on the inception and activities of GADVASU was displayed and issue(s) of 'Vet Alumnus', Telephone Directory, and Livestock Statistics Handbook were released. 'Diabet Egg' developed by Dr. M.L. Kansal, an alumnus of the University was launched on this occasion. Video clippings of some distinguished Alumni overseas were also showcased. An interactive and entertaining fun game session(s) and cultural activities were performed by the participants.



Research and Academic Activities

Patent on Buffalo Milk Protein Concentrate

The University scientist(s) earned a patent for the technology of Buffalo Milk Protein Concentrate. Dr. Sunil Kumar and Sh. Kuldeep Dudi, the inventor(s) of the technology from the College of Dairy Science and Technology asserted that the developed technology will facilitate the concentration and drying of buffalo milk protein that can maintain the solubility and other functionality of final protein powder.



Dr. Sunil Khatkar

Dr. Inderjeet Singh, Vice-Chancellor congratulated the inventors of the technology and emphasized that it would open newer vistas for the milk industry and will increase the opportunities of value addition of buffalo milk as a premium source for the production of quality protein powders. He further stressed that the technology would also help in the enhancement of income and the livelihood of our farmers.

University Inks Memorandum of Understanding (MOU) with Frontier Dairy Junction

GADVASU and M/s Frontier Dairy Junction (FDJ), Halwara, Ludhiana signed an MOU for exchange of technical knowledge and services related to animal nutrition, reproduction, vaccination, disease prevention, development in milk processing and milk products etc. For this purpose, the herd managed by FDJ will be utilized by GADVASU for conducting basic and applied research on cattle, calf and heifer growth, fertility, nutrition, management and for students' exposure visits during internship/training etc. The agreed mutual cooperation will help in achieving the common objective of the promotion of livestock farming on scientific basis in the state. The MOU was signed by Dr. JPS Gill, Director of Research, GADVASU and Mr. Karan Singh, Director of FDJ in the presence of Dr. Inderjeet Singh, Vice-Chancellor of the University.



Officers of the University and Officials of FDJ after inking of MOU

Expansion of Dialysis Unit for treatment of Animals

The Dialysis unit at Multi-Speciality Veterinary Hospital, GADVASU has been further strengthened with a new dialysis machine. Dr. Tarun Shridhar, IAS (Retd.), Former Secretary, Department of Animal Husbandry, Dairying and Fisheries, Govt. of India inaugurated the upgraded unit on April 20th, 2022. The previously existing dialysis unit at the University has emerged as the lifesaving veterinary specialty unit of north India and upgrading and strengthening of existing dialysis facilities is going to be a boon for dialysis of animals. The Dialysis unit is equipped with all state-of-the-art facilities at par with human dialysis unit(s) of the country.



Dr. Tarun Shridhar inaugurating the upgraded the dialyses unit

Short Course on Bioinformatics



College of Animal Biotechnology launched the six-week short course on Bioinformatics in hybrid mode. The course aims at developing skills in bio-computational analysis with emphasis on core concept of bioinformatics, to train/equip students for computer coding program languages, and development of critical thinking amongst them in solving the problems of molecular biology via bio-computational approach.

Lecture series on special issues for awareness



Dr. YPS Malik, Dean of the College honouring the Guest Speaker

College of Animal Biotechnology organized students' knowledge enrichment programmes on the current scientific and social issues under the ICAR scheme 'Strengthening and Development of Higher Education in India'. The guest speaker(s) interacted with the students in different sessions.

Dr. TS Rai joins as University Librarian

Dr. Tejinder Singh Rai, joined as the University Librarian on 30.05.2022. A Gold Medalist in B.V.Sc.&AH from Chaudhary Charan Singh Haryana Agricultural University, Hisar, Dr. Rai bagged Sh. Rajinder Pal Singh Gold Medal for Best Thesis Award in M.V.Sc. He joined as Assistant Professor, Veterinary Bacteriology and Virology in 1990 and got elevated to the post of Head, Department of Veterinary Microbiology (2015 to 2020). He has been associated with many projects funded by ICAR, UGC, DBT, RKVY, and State Government.



College of Fisheries organizes All India Study Tour



Final year students of Bachelor of Fisheries Science (B.F.Sc) of College of Fisheries completed an All India Study Tour successfully under the 'Student Ready Program' supported by Institutional Development Plan (IDP), National Agricultural Higher Education Project (NAHEP), ICAR. The students visited various premier institutions of Fisheries Science and gained practical knowledge and exposure to brackish, marine, and cold-water fisheries-related activities/industries.

Dr. Charanjit Singh Randhawa retires from the University service

Dr. Charanjit Singh Randhawa, Professor-cum-Head, Department of Veterinary Medicine retired from the University after serving 32 years in the field of veterinary sciences on attaining the age of superannuation. A farewell function was arranged in the honour of Dr. Randhawa by the GADVASU Teachers' Association. Dr. Inderjeet Singh, Vice-Chancellor, of the University appreciated the services of Dr. Randhawa and lauded his contribution in veterinary medicine. Faculty members extended their warm wishes on his retirement.



Dr. Randhawa honoured by the Vice-Chancellor and GADVASU Teacher's Association

Visits of Dignitaries

Central Minister visits GADVASU for 'Awareness on Alcohol Addiction and Drug Abuse'



Sh. Kaushal Kishore addressing the participants

National Service Scheme (NSS) unit of GADVASU organized a seminar on the topic of 'Awareness on Alcohol Addiction and Drug Abuse Amongst Youth'. Sh. Kaushal Kishore, Union Minister of State, Ministry of Housing and Urban Affairs was the Chief Guest of the occasion. He has started a campaign under the title 'Nasha Mukta Samaj Andolan-Abhiyan Kaushal Ka' to save the youth from the menace of drugs by creating awareness at the National Level. Sh. Kaushal mentioned the ill effects of drugs and urged the youth to stay away from this evil. He also administered an oath to the participants to save them from drugs. Sh. Akshat Kant, National Programme Convenor of this campaign also accompanied him. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU said that every person should enjoy addiction of good habit(s) viz. reading of book(s) and/or some other creative activity saying no to drugs. A Poster making competition was also organized on the occasion.



Participants taking oath to stay away from drugs

PUM Netherlands expert Mr. Tjeerd Dijkstra visits GADVASU



Meeting with PUM Netherlands expert

Mr. Tjeerd Dijkstra, a senior PUM Netherlands expert visited GADVASU and had an interactive meeting with the University administration. Mr. Tjeerd Dijkstra was on a 10 days visit at KVK, Booh (Tarn Taran) to guide district dairy farmers for better productivity of livestock for reaping higher returns. The possible remedial solutions of the identified problems related to dairy farming particularly mastitis, infertility etc. were deliberated. The PUM expert stressed upon the importance of colostrum in the growth of calf and also suggested to use colostrum meter on a regular basis at dairy farms to check the quality of colostrum.

Egyptian scientist visited GADVASU

College of Veterinary Science conducted a workshop for students under the aegis of World Bank funded Institutional Development Plan project. Professor Dr. Saber Mohamed Abd-Allah, Professor and Head, Theriogenology Department, Faculty of Veterinary Medicine, Beni-Suef University, Egypt visited GADVASU and delivered a lecture on 'Reproductive Biotechnologies in Buffalo Reproduction' in the workshop.



GADVASU Scientists(s) honouring Dr. Saber Mohamed Abd-Allah

Creation of the Center of excellence on Genome Editing



University Officers honouring Prof. (Dr.) Jaswinder Singh

Prof. Jaswinder Singh of McGill University, Canada visited GADVASU to kick start a collaborative research work on Genome Editing using Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR; pronounced as “crisper”) technology at the University. He said that the experts working in CRISPR at McGill will provide expertise, training, and support to CRISPR center of GADVASU, working together for its success.

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

Award(s) of National Academy of Veterinary Sciences

National Academy of Veterinary Sciences (NAVS) conferred prestigious Fellowship and membership award(s) to the scientists of GADVASU during its 20th Convocation-cum-Scientific Convention on 'Restructuring Veterinary Education, Research and Extension for Enhancing Livestock and Poultry Production to Boost the GDP' held at Nagpur Veterinary College of Maharashtra Animal and Fisheries Sciences University (MAFSU), Nagpur (Maharashtra).

- Dr. Parkash Singh Brar, Director of Extension Education was conferred with the prestigious Fellowship Award for his significant contributions in the field of veterinary science.
- Dr. Mrigank Honparkhe, Principal Scientist-cum-Head, Department of Veterinary Gynecology and Obstet-



Delegation from Department of Fisheries, Assam



Assam Delegation with the University

A delegation from Department of Fisheries, Assam visited College of Fisheries, GADVASU, under Assam Agribusiness and Rural Transformation Project (APART, Fishery). The delegation interacted with the faculty of college to perceive available aquaculture technologies in the state, explore the on-going research and development programs, and to work out possible future collaboration for aquaculture research, development and policy making. The delegation visited different departments of the college and its Instructional-cum-Research Farm.

-rics; Dr. Nitin Mehta, Associate Professor, Department of Livestock Products and Technology; and Dr. Y.S. Jadoun, Assistant Professor, Department of Veterinary and Animal Husbandry Extension Education were honoured with Membership Award(s) of NAVS.



Young Scientist Award

Dr. Vikas Phulia, Subject matter Specialist, Krishi Vigyan Kendra, S.A.S. Nagar (Mohali) was bestowed with the Young Scientist Award in the National Seminar on 'Contemporary Issues in Fisheries and Aquaculture' organized by G. B. Pant University of Agriculture and Technology, Pantnagar in collaboration with Society of Life Sciences. Dr. Phulia delivered an oral presentation on 'Strategies for the resilience of fisheries and aquaculture sector to a future pandemic through one-health approach'.



Dean, College of Animal Biotechnology bring laurels to the University

- Dr. YPS Malik, Dean, College of Animal Biotechnology received **Dr. V. S. Alwar Memorial Best Scientist Award** of the National Academy of Biological Sciences in the field of Veterinary and Fisheries.
- Dr. Malik has also been selected as a sub-committee member in the “**Committee for the purpose of Control and Supervision of Experiments on Animals (CPCSEA)**” for selection of CPCSEA nominees, by Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India.



Award(s) at National Conference of SVAHE

GADVAU scientists participated in the 4th National Conference of Society of Veterinary & Animal Husbandry Extension (SVAHE) on “Pluralistic Approaches for Livestock Development- An Extension Call” organized at DGCN College of Veterinary & Animal Science, CSKHPKV, Palampur on May 06-08, 2022 and bagged award(s).



- Dr. Y.S. Jadoun, Assistant Professor, Department of Veterinary and Animal Husbandry Extension Education received the “**Innovative Extension Educationist Award**”.
- Dr. Simrinder Singh Sodhi, Associate Professor, College of Animal Biotechnology received the Best Oral Presentation Award.
- Dr. Shahbaz Singh Dhindsa, Scientist, bagged the Best Poster Award.
- Dr. Suryendra Singh, Subject Matter Specialist (Agronomy) Krishi Vigyan Kendra, Barnala received the ‘Farmer Led Extension Award’.

Fisheries Scientists bagged Bagful of Awards

Scientists and students of College of Fisheries attended the National Seminar on ‘Contemporary Issues in Fisheries and Aquaculture’ organized by G.B. Pant University of Agriculture and Technology at Pantnagar and brought laurels to the University:



Award winning team of College of Fisheries with the organizers of seminar

- Dr(s) Ajeet Singh, S.N. Datta and Prabjeet Singh (Assistant Professors) were conferred with Fellow of Society of Life Sciences (SLS) for their contribution in the field of fisheries.
- Dr(s) Abhed Pandey and Abhishek Srivastava bagged SLS Senior Scientist Award(s) in poster and oral presentation category, respectively.
- Mr. Ranjeet Singh, a Ph.D. student received the Best Poster and Young Scientist Award for his poster presentation on utilization of Shatavari as an aphrodisiac fish feed supplement for most widely cultured fish, common carp.
- Ms. Deepa Bhatt, a Ph.D. scholar bagged the Young Scientist Award for her poster presentation on ameliorating efficacy of turmeric against aflatoxin toxicity in fish.
- Mr. Sumit Rai, another Ph.D. student bagged the second Best Poster Award for his work on phage cocktail development for control of bacterial contamination in fish fillets.

During the same seminar, Dr. Gulgul Singh, Subject Matter Specialist (Fisheries), Krishi Vigyan Kendra, Booh (Tarn Taran) bagged first position in poster presentation.

Best Article Award

Dr. Vishal Sharma, Assistant Professor, College of Animal Biotechnology got the Best Article Award for his review article entitled “**Illustrating the Past, Present and Future Perspective of Human Embryo Culture Media**” published in *Animal Reproduction Update*, (Jan-Jun), 2022.

Biotechnologists brought laurels at National Conference

- Dr. Adarsh Mishra, Assistant Professor, College of Animal Biotechnology bagged the **Dr. MN Kulkarni Memorial Award** at 34th Convention and National Conference of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infections Diseases held under the theme “Current trends in immunodiagnostics and vaccines for livestock and poultry”, at Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana.
- Dr. Satparkash Singh and Dr. Niraj Kumar Singh won the Best Oral and Best Poster Presentation award(s), respectively.



Best Poster Presentation Award at National Conference

Ms. Prapti Sudan, a post graduate student of College of Fisheries won the ‘Best Poster Presentation Award’ for her poster on the topic of ‘**Evaluation of antimicrobial resistance in inland saline shrimp culture areas with special reference to Vibrio parahaemolyticus**’ at the 1st Indian Fisheries Outlook-2022 on ‘Priming Indian Fisheries in Attaining Sustainable Development Goals’ held at ICAR-Central Inland Fisheries Research Institute (ICAR-CIFRI), Barrackpore.



Student selected for M.Tech at IIT-Roorkee

An undergraduate student, Garima Sood (L-2018-BT-07-B) of the College of Animal Biotechnology is selected for admission into M.Tech programme in Nanotechnology at IIT-Roorkee.

Students participated and won prize(s) in Talent Hunt Programme for Youth

The postgraduate student Navdeep Kaur Dhiman (L-2021-BT-07-M) secured second position in the “Talent Hunt Programme for Youth” organized in collaboration with “All India Radio”, Ludhiana, on April 6, 2022. Three other students-Aditya Menon, Diksha Kashyap and Sikha Chaudhary were also shortlisted in the same event for certain AIR shows.

University Scientist gets Training Abroad

Dr. Ajeet Kumar, Professor, Veterinary Gynaecology and Obstetrics underwent 03 months international training at Institute of Biochemistry, Food Science, and Nutrition, Robert H. Smith Faculty of Agriculture, Food, and Environment, & Center for Nanoscience and Nanotechnology, The Hebrew University of Jerusalem, Rehovot 7610001, Israel from March 22, 2022 to June 22, 2022 on cryomicroscopy technique. The training program was funded by IDP-NAHEP, Govt of India.



Award during International Conference-ICAAAS

Extension functionaries of Krishi Vigyan Kendra, Mohali participated in the International conference-ICAAAS-2022 held at Himachal Pradesh University, Shimla and bagged awards.

- Dr. Balbir Singh Khadda, Associate Director received the Outstanding Achievement Award and the Best Oral Presentation Award.
- Dr. Munish Sharma, Subject Matter Specialist (Horticulture) received the Best Oral Presentation Award.
- Dr. Harmeet Kaur, Subject Matter Specialist (Plant Protection) received the Women Scientist Award and the Best Oral Presentation Award.

NCC Team Brings Laurels to the University

Cadets from 1 PB R&V Sqn. NCC, GADVASU Ludhiana won five medals in various equestrian events in the Delhi Horse Show held at Army Equestrian Center Delhi Cantt. Vikas Garg, a Master's student of Veterinary Surgery and Radiology won the Bronze Medal in cadet team tent pegging and sixth position in cadet hunter trials. Gurarshbir Singh won the Bronze Medal in cadet team tent pegging and fourth position in cadet hunter trials. Yuvraj Singh got sixth position in cadet hacks.



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

World Health Day



School students at Centre for One Health of the University

Centre for One Health celebrated the World Health Day under the theme **‘Our Planet, Our Health’** on 7th April with the students of Punjab Agricultural University Senior Secondary Smart School, Ludhiana. Expert(s) educated the students about the importance of better personal hygiene and healthy eating habits to reduce the burden of infectious diseases. The importance of One Health approach to support global health security by improving coordination, collaboration, and communication at the human-animal-environment interface was discussed.

National Technology Day

GADVASU in collaboration with Punjab State Council for Science and Technology, Department of Science & Technology, Government of India celebrated the National Technology Day at Village Jalwana under the project **‘Setting up of Science Technology & Innovation Led SC Cluster at Ludhiana’**. Expert(s) delivered talk(s) on agricultural technologies with special emphasis on integrated farming systems; optimum utilization of nitrogen and water and animal nutritional technologies. Information and communication technologies developed by GADVASU for disseminating scientific knowledge to the farmers were elaborated. A total of 45 participants attended the event.



World Milk Day

College of Dairy Science and Technology celebrated the World Milk Day on 6th June, 2022 under the aegis of ICAR funded Institutional Development Plan (IDP) operational in the university. As part of the festivities, a Food Festival was organized. Dr. Inderjeet Singh, Vice-Chancellor of the University said that the value addition of the milk is the right way to fetch maximum profits. He further added that this initiative will inculcate the entrepreneurial qualities in students.



Dr. Inderjeet Singh, Vice-Chancellor inaugurating the event

A ‘Free milk adulteration testing camp’ was also organized from 24th to 31st May where 100 milk samples brought by the consumers were tested free of cost. A special edition of *Vigyanak Pashu Palan* magazine of the University was published containing articles related to various aspects of milk. Students from Guru Nanak National College, Doraha also visited the festival and relished the products prepared and sold by the GADVASU students. A poster making competition was also held on the themes **“sustainable dairy production system”** and **“fermented dairy products”**.



University students selling dairy products to visitor(s) at Food Festival

National Webinar on 'Advances of Veterinary Sciences'



Webinar in progress

GADVASU organized a National Webinar on 'Advances of Veterinary Sciences' during the Platinum Jubilee Year of India's Independence under the aegis of Dr C.M. Singh Endowment Trust, Bareilly, Uttar Pradesh. A total of 100 delegates participated in the webinar. Dr B.N. Tripathi, Deputy Director General (Animal Science) discussed the present scenario of emerging diseases of animals, antibiotic resistance and one health. Dr. Inderjeet Singh, Vice Chancellor, GADVASU delivered a talk on '**Animal Husbandry Sector on Cross-roads**' and highlighted the contributions of the animal husbandry sector in the economy of the country. The University bestowed Award of Honour to Dr. B.N. Tripathi, Prof. Anu Singh-Cundy and Dr. G. Taru Sharma. The Trust bestowed Scroll of Honour to Dr. Inderjeet Singh, and Col. (Dr) Prof. A.M. Paturkar, Vice-Chancellor, Maharashtra Animal and Fishery Sciences University, Nagpur.

Workshop on Budgetary Requirements of Livestock Sector



Deliberations going on during the workshop

Department of Dairy Economics and Business Management, College of Dairy Science and Technology organized a workshop on budgetary requirements of livestock sector in Punjab for providing useful policy inputs for the livestock sector in the state government budget. Dr. Inderjeet Singh, Vice Chancellor highlighted the importance of livestock sector in agricultural diversification and enhancing the income of farmers. Expert(s) opined that livestock sector contribute more than 40 per cent to the total agricultural Gross Domestic Product, but the allocation of budget to this sector out of total agricultural and allied budget is 5.2 percent only. For accelerating the agricultural growth, the budgetary allocations to livestock sector should be at par with its contribution to the Agricultural Gross Domestic Product. Strengthening the market research for dairy sector in Punjab and need of investment for generation of good quality reliable data were also emphasised. Officer(s) of the University, incharge(s) of Krishi Vigyan Kendra(s), other experts from the field and progressive farmers provided useful inputs.

Showcase of technologies in Garib Kalyan Sammelan

GADVASU showcased different technologies during '**Garib Kalyan Sammelan-cum-National Interaction program for Farmers**' on the occasion of Maize Day organized by ICAR-Indian Institute of Maize Research, Laddowal, Ludhiana. Sh. Hardeep Singh Puri, Hon'ble Union Minister of Petroleum and Natural Gas, Housing and Urban Affairs, the Chief Guest of the event visited the GADVASU stall and appreciated the initiatives of the University for upliftment of the farmers of the state and country.



Training of Goat Farmers in Health Management Practices



Participants with the University scientists

Department of Veterinary and Animal Husbandry Extension Education, GADVASU organized a training programme on Goat Farming under the aegis of *Azadi Ka Amrit Mahotsav*. A total of 25 trainees participated in the training who were imparted technical knowledge on diverse topics of goat farming. Exposure visit(s) of trainees were organised to the goat farm(s) to acquaint them about value addition of meat, milk products and daily farm routines. A visit to the Integrated Farming System (IFS) unit in Punjab Agricultural University campus was also arranged. The trainees and progressive farmers of the state had an interactive session with the Vice-Chancellor of the University on various issues and problems faced by them and their possible solutions.

Training for Scientific Rearing of Livestock

Directorate of Extension Education, GADVASU and National Institute of Agricultural Extension Management, (MANAGE), Hyderabad organized a collaborative online training programme on 'Imparting Skills among Youth for Scientific Rearing of Livestock' for extension functionaries, scientists and Subjects Matter Specialists. A total of 62 stakeholders took part in the programme.

World Veterinary Day

On the occasion of the World Veterinary Day (30th April 2022), College of Veterinary Science Rampura Phul organized National level Visual Show taking in its ambit competition on the topic "**Healthy Veterinarian for Healthy Animals**". The students and Veterinarians from various fields participated in the event and put their efforts to show how the veterinarians work under various environments and how they can keep themselves healthy for keeping animals healthy. The winners were given prizes.

Training programme(s) for Dairy and Pig Farmers



Participants of training on Dairy Farming with the University experts

Department of Veterinary and Animal Husbandry Extension Education organized training course(s) for Dairy and Pig farmers. The trainees were imparted knowledge about the important aspects of dairy and pig farming encompassing breeds of animals, housing, breeding techniques, feeding management, shed designs, weather management, vaccination protocols, diseases and their prevention, value addition of milk and meat and economics of dairy and pig farming etc.

Broiler Farmers' Meet



Broiler Farmers' Meet in progress

GADVASU organized an interactive session with the broilers farmers associated with Independent Poultry Association (IPA). The rising cost of the inputs in broiler farming, emerging viral diseases in broilers and other related aspects/issues were discussed. The boiler farmers meet every 2nd Monday at the University to discuss managerial and technical issues related to broiler farming. Expert (s) advised the farmers to watch the Feed Conversion Ratio (FCR) and associated cost of feed and discussed feasible alternative(s) to economize feed formulation(s).

Activities under Farmer FIRST Project

- An Anti-Tick camp was held in the operational area of the Farmer FIRST Project. A total of 77 farmers participated in the camp and 488 dairy animals were treated to control ticks. Expert(s) delivered lecture(s) on the anti-tick strategies and created awareness amongst farmers about the various diseases caused by ticks, and their appropriate management in dairy animals. The participants were advised various healthcare management practices to regulate tick-born diseases at their respective dairy farms.



- A calf care day was organized at village Chananwal (Barnala). A total of 50 farmers participated in the event and 137 calves suffering from different ailments were treated, especially for endo-parasites. The farmers were made aware of various health issues and causes of mortality in calves.



- A training was organized at Krishi Vigyan Kendra, Handiaya (Barnala), where in a total of 30 farmers were trained and provided scientific inputs for backyard poultry farming including care and management of chicks, feeding and housing management, provision of adequate lighting, bedding material, ventilation, placing of feeder and drinker for the chicks, usage of antibiotics, calcium supplement and multivitamins, entrepreneurial opportunities related to backyard poultry farming, marketing linkages and value added products etc.

Hands on training for SC farmers on 'Scientific Pig Farming'



Training on Scientific Pig Farming

Department of Livestock Production Management, College of Veterinary Science, Ludhiana organized a training programme on Scientific Pig Farming for SC farmers under the scheme RKVY-12-B. A total of 15 farmers participated in the training and gained technical acumen on breeds, housing, nutrition, health and welfare of pigs. Exposure visit of trainees to the University pig farm was organized to acquaint them with daily routine practices and related activities.

Specialized Training Program on "Testing and Analysis of Milk" Conducted by College of Dairy Science and Technology

Department of Dairy Chemistry, College of Dairy Science and Technology organized a Specialized Training program on "Testing and Analysis of Milk" from 7-8 June, 2022 to impart basic analytic skills and understanding of common adulterants in milk.



Training on Testing and Analysis of Milk

Performance Review Meeting with Fish and Shrimp Farmers

GADVASU organized a review meeting with fish and shrimp farmers of the State, under chairmanship of Dr. Inderjeet Singh, Vice-Chancellor to invite inputs and suggestions for formulating recommendations and an action plan for boosting the horizontal and vertical expansion of the fisheries sector. Highlighting importance of technology backup and farmer linkages with research and development institutes, Dr. Singh accentuated the scope of fisheries development in the state, in special reference to doubling farmers income, promotional schemes, entrepreneurship development amongst youth and utilization of degraded lands.



Various issues pertaining to the capacity building, seed quality, feed manufacturing, release of subsidy, electricity connections/tariff, solar systems, water/seed testing, bio-security, processing and marketing were discussed, with need to enforce regulations for the development of shrimp farming in inland saline areas under an Act. The Experts addressed queries of the farmers. The Vice-Chancellor urged the farmers to form FPOs (Farmer Producer Organizations)/Associations to take maximum advantage of different promotional schemes offered by Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying (GOI), under Pradhan Mantri Matsya Sampada Yojana (PMMSY).

Free Anti-Rabies Vaccination-cum-Awareness camp

College of Veterinary Science, Rampura Phul in collaboration with Intas Pharmaceuticals Ltd (NUVO) organised a Free Anti-Rabies Vaccination-cum-Awareness camp on 13.05.2022 at its Veterinary Clinical Complex. A total of 70 pet owners attended the camp and their pets were vaccinated free of cost by the University experts. The participants were provided information about the welfare and rearing of pets in summer season.



Farmer's Awareness Camps

Department of Veterinary Gynaecology and Obstetrics, College of Veterinary Science, Ludhiana organized five Farmer's Awareness Camp(s) in villages of District(s) Ludhiana, Bathinda and Tarn Taran under the Research project "**Towards Climate Resilient Livestock Production System in Punjab (NAFCC)**" funded by Ministry of Environment, Forest and Climate Change.



Workshop(s) for School Students on Antimicrobial Resistance



Students interacting with the University expert(s)

Centre for One Health, GADVASU organized three workshop(s) for school students under Superheroes Against Superbugs (SaS) with support from the DBT/Wellcome Trust India Alliance, Stop Superbugs, an initiative of the British Society Antimicrobial Chemotherapy (BSAC) and L.V. Prasad Eye Institute. The students of class 11th and 12th from Government Senior Secondary School(s) at Ayali Khurd and PAU, Ludhiana, and Gujranwala Guru Nanak Public school, Ludhiana took part in the workshop. The faculty of the Centre has developed Antimicrobial Resistance (AMR) course module to make students aware about the upcoming public health crisis and their crucial role in the community to further spread the awareness on AMR. The pre- and post-assessment surveys were also carried out for the workshop(s), and a significant effect of the developed 'Antimicrobial Resistance Course Module' was observed on the learning outcome of the students.

Awareness camps on 'Best Management Practices in Shrimp Farming'

College of Fisheries organized awareness camp(s) on 'Best Management Practices in Shrimp Farming' at village(s) Khuranj on 23-6-2022 and Gaddan Dob on 24-6-2022 in Distt Fazilka.



International Expert Lectures Organized by College of Dairy Science and Technology



Expert lecture in progress

College of Dairy Science and Technology organized an expert lecture in collaboration with IDP-Cell under ICAR's National Agricultural Higher Education Project (NAHEP) to impart knowledge and recent advancements in the field of food safety and quality in dairy processing amongst students. Prof. Hosahalli Ramaswamy, McGill University, Canada highlighted the recent developments in the fields of novel food processing techniques and discussed the advancements in the up-scaling of microwave and Ohmic heating at global level as alternative non-thermal processes for already existing conventional thermal processing methods in dairy and food industry.

Awareness Camp(s) for Students

College of Animal Biotechnology organized the student awareness camp(s) regarding career avenues in biotechnology. The students at Govt. Senior Secondary Smart School, Hambra, Ludhiana and Punjab College of Technical Education (PCTE), Badowal, Ludhiana were apprised about the scope of pursuing B.Tech. (biotechnology) and postgraduate courses, respectively at GADVASU.



International Day Against Drug Abuse and Illicit Trafficking



Dean, College of Veterinary Science, Rampura Phul honouring the Guest Speaker

College of Veterinary Science, Rampura Phul celebrated the “**International Day against Drug Abuse and Illicit Trafficking**” on 22nd June, 2022. Dr. Sushant Garg, Medical Officer, Sub-Divisional Hospital, Rampura Phul delivered a talk on “**Antibiotic resistance and Human health**” with special emphasis on the indiscriminate use of antibiotics. Dr. Garg further added that the infections caused by antibiotic resistant bacteria lead to the higher medical costs, prolonged hospital stays and increased mortality. A poster competition of students was conducted and the winners were awarded with appreciation certificates.

Monthly Seminar for Dairy Farmers

A monthly seminar for Dairy Farmers was held at the Farmer Information Centre of GADVASU wherein 45 farmers took part. Expert(s) delivered talk(s) on diverse aspects of animal nutrition and disease conditions encountered in dairy animals owing to imbalances of mineral nutrients. The participants were advised to bring samples of feed, drinking water, silage and mineral mixture being offered to dairy animals to the University for evaluation of the quality of these commodities.

Hands-on training on “Sequence analysis and heterologous protein expression”

College of Animal Biotechnology organized the hands-on training on “**Sequence analysis and heterologous protein expression**” from May 23-25. The training programme was sponsored by the Department of Biotechnology, Government of India.

Celebration of Vefest 2022



College of Veterinary Science, Rampura Phul celebrated the ephoric Vet Fest 2022-cultural event on 1st June, 2022. The students enthusiastically participated in the programme and presented their talent. Dr. Showkat Ahmad Parray, Deputy Commissioner, Bathinda, graced the event as the Chief Guest. An audience of 600 was enthralled with the performances rendered by students. The classical dance, *Giddha* and *Bhangra* added a special flavor to the festivities. A special opera act was also presented by the students which was the star attraction and treat to watch. The audiences were mesmerized by the performance of well-known Punjabi singer Dr. Jasbir Singh Mehram who himself is a senior Veterinary officer at Patiala.

TV Talk(s)

- Dr. Simrinder Singh Sodhi, Associate Professor, College of Animal Biotechnology delivered a TV talk on the topic “Soor paalan vich nasal sudhar ate munafa” at Doordarshan Jalandhar (DD Punjabi).” on June 28, 2022.



- Dr S. N. Datta delivered TV talk for ‘Apni Kheti’ program on ‘Prospect of Pangas culture in Punjab’ on Apr 12, 2022

Activities of Krishi Vigyan Kendra(s) (KVKs)

Kisan Mela under "Kisan Bhagidari Prathamik-ta Hamari" Abhiyan

Krishi Vigyan Kendras (KVKs) of GADVASU in collaboration with Department of Agriculture and Farmer Welfare, and ATMA organized *Kisan Melas* on 26.04.2022 at respective campuses under "*Kisan Bhagidari Prathamikta Hamari*" campaign under *Azadi Ka Amrit Mahotsav*.



- Sh. Moneesh Kumar, Deputy Commissioner, Tarn Taran was the Chief Guest of the Kisan Mela at KVK, Booh (Tarn Taran). A total of 700 farmers participated in the event and gained technical knowledge on different aspect of farming.



- Dr. Harish Nayar, Deputy Commissioner, Barnala, graced the occasion as the Chief Guest at KVK, Barnala and apprised the participants about various farmers welfare schemes, urging them to get benefits from the KVK and related departments. Expert(s) highlighted the importance of the crop diversification, livestock and fisheries in employment and livelihood generation, and interacted with the farmers. A total of 428 farmers participated in the programme.
- A total of 348 farmers participated in *Kisan Mela* at KVK, SAS Nagar (Mohali).

Live Webcast of "Garib Kalyan Sammelan"

KVKs of the University arranged live webcast of '*Garib Kalyan Sammelan*' at respective premises. During the programme, Sh. Narendra Modi, Hon'ble Prime Minister of India interacted with the beneficiaries of the sixteen schemes/programmes spanning nine Ministries/Departments of the Government of India aimed at benefitting the poor. A total of 829 farmers attended the programme at KVK, Mohali, and 550 & 500 participants took part in the event at KVK, Booh and Barnala, respectively.



Workshop on Scientific Management of Dairy Animals

KVK, Booh organised "One day workshop on Scientific Management of Dairy Animals" with PUM, The Netherlands expert Mr. Tjeerd Dijkstra at its campus. KVK scientists from GADVASU and PAU, Ludhiana, Veterinary Officers from Animal Husbandry Department of district Tarn Taran and Amritsar and progressive dairy farmers participated in the programme.



Mr. Tjeerd Dijkstra delivering the expert talk

Hands-on Training on “Scientific Backyard Poultry Farming”



The Vice-Chancellor, GADVASU distributing start-up kits to the participants of the training programme

KVK, Barnala organised a training programme on “**Scientific Backyard Poultry Farming**” under ARYA project on June 30, 2022. A total of 11 farmers participated in the programme and were given technical inputs on the feeding requirements of birds, identification of common diseases infesting the birds, and method of vaccination against some common diseases etc. They were also provided chicks of 4 weeks of age as start-up kit(s).

Training on Fish Processing & Value Addition

KVK, Barnala organized a vocational training on ‘**Fish Processing & Value Addition**’ under the Fish Farmer Producer Organization project. The participants were imparted hands on training in fish processing skills viz. fish handling, processing and value addition, packaging and preservation and marketing so that they may start fisheries ventures and entrepreneurs can establish processing units. The participants were informed about the ‘**Zero Wastage Fish Processing Technology**’ developed by GADVASU in which each and every part of fish is usable either in edible form or as fish meal in fish and animal feed.

Sensitization of farmers on direct seeding of rice

KVK, Booh (Tarn Taran) organized a training programme on Direct Seeded Rice (DSR) at village Harike, creating awareness amongst farmers regarding the importance of DSR as a water saving technique. Expert(s) apprised the participants about detailed agronomic practices for DSR and urged them to be partners in saving water.

Members Mobilization and Awareness Programme under FPO Formation Project

KVK, Booh (Tarn Taran) organized a Members Mobilization and Awareness Programme under the project ‘**Formation of FPO of Dairy farmers at Tarn Taran**’ funded by the National Bank for Agriculture and Rural Development (NABARD) at village Gharyala. A total of 60 farmers attended the programme. Experts apprised the participants about the benefits of and various steps involved in formulation of FPOs, role of NABARD in FPOs formation and also enlightened them about the importance of POPI (Producer organization promoting institutions).

Vocational training course on Beekeeping

KVK, S.A.S. Nagar conducted vocational training on beekeeping in collaboration with Department of Agriculture and Farmers Welfare, at District Administrative Complex, S.A.S. Nagar. Expert(s) guided the participants to adopt beekeeping as a supplementary occupation to increase their income and imparted scientific knowledge on various aspects of the occupation. They were also sensitized about the loan and subsidy schemes of Horticulture Department for starting beekeeping. Exposure visit(s) of participants to Apiary unit, Punjab Agricultural University, Ludhiana and Bee Farms of progressive farmers were also arranged.

International Yoga Day Celebration

- Krishi Vigyan Kendra, Barnala celebrated the 8th International Yoga Day on June 21, 2022, at its premises. Dr. P. S. Tanwar, Associate Director (Trg.), KVK, Barnala stressed on the need to practice Yoga every day to maintain calm, reduce stress and enhance work efficiency.



- Similarly, KVK, S.A.S. Nagar conducted International Yoga day at village Tajpura. A total of 44 participants attended the programme and practised various *asanas*.

Students' Activities

Commemoration of the Fifth Guru by organizing 'Chhabeel'



Commemorating the supreme sacrifice of the Fifth Sikh Guru, Sri Guru Arjan Dev Ji, GADVASU organised a *Chhabeel*. The fraternity of the University served cold and sweet water to the public on this sacred occasion. The martyrdom of Guru Arjan Dev Ji gives us a strong message of humanity and service of the people. The students did all the arrangements with earnest endeavour and shown enthusiasm in organizing the activity.

National Service Scheme (NSS) volunteers of College of Veterinary Science, Rampura Phul also organized the *Langar Sewa* and *Chhabeel* as Community service for the People of Rampura Phul.

'Lumiere' Hostel Night at NRI Girls Hostel

To accord a warm welcome to the new students and to make them feel at home, the senior inmates of NRI Girls' Hostel celebrated Fresher's Party under the theme of '**Lumiere 2022**'. Mrs. Sangeeta Malik was the Guest of Honour of the celebratory function. The event witnessed dazzling performance(s) by students and a variety of entertaining games making the evening more charming and involving.

NCC Cadets celebrate International Yoga Day

The cadets of 1 Pb R&V Squadron, GADVASU celebrated the International Yoga Day in the Unit Premises. The entire staff of the unit along with 150 cadets took part in the event. The trained Yoga Instructor demonstrated various *asanas* which were followed by the cadets with full devotion. Col. S.K. Bhardwaj appraised the participants about the importance of Yoga in boosting one's immunity and overall health, and as a stress buster in the busy academic schedule/ lifestyle. The cadets were also motivated to teach various *asanas* to their family members and others which will help them to keep fit.

Session on 'Mantras of Mind Management'



National Service Scheme (NSS) volunteers of GADVASU participated in a session addressed by Mr. Sanchit Jain, State Head, Art of Living, Youth Programme as a part of ongoing activities regarding 9th International Yoga Day. The volunteers got exposed to a blend of yoga activities and were delivered lectures on varied subjects related to healthy lifestyle, mindfulness and stress management.

Session on 'Save Soil' to mark Earth Day



To mark the 52nd anniversary of Earth Day, the National Service Scheme wing of GADVASU conducted a session spreading the message #savesoilmovement in association with 'Save Soil' volunteers, who interacted with more than 80 students aspiring to become EARTH BUDDIES and apprised them about the need and importance of saving soil.

Webinar on 'Media Literacy and Debunking Yoga Myths'

The National Service Scheme (NSS) wing of the University organized a webinar on '**Media Literacy and Debunking Yoga Myths**'. A total of 100 NSS volunteers participated in the webinar. The expert(s) discussed the present scenario of emerging fake news on social and digital media and the role of individuals in identifying and stopping the spread of rumours and fake news.



Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana

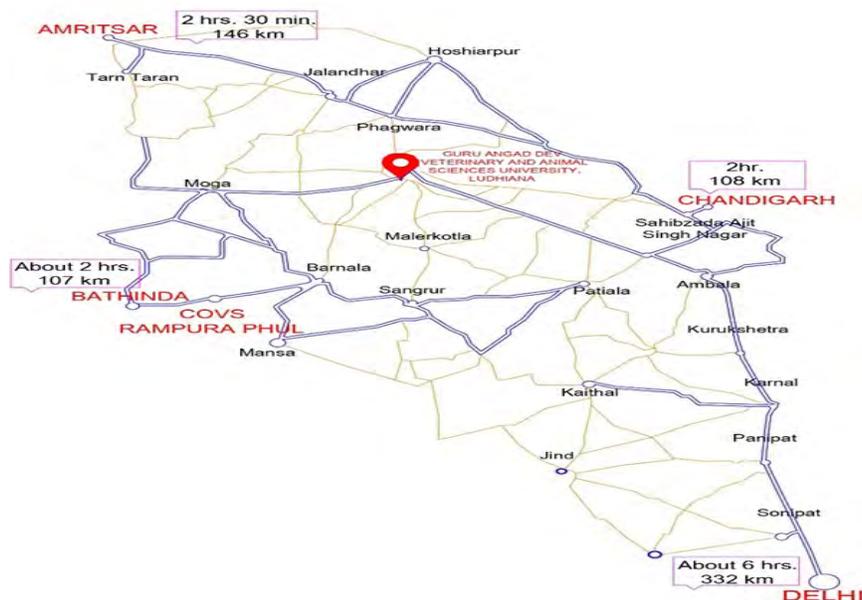
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Admission Open for the Academic Year 2022-23

Courses and Eligibility

Programme	Eligibility	Basis of merit
Diploma in Vet. Sc. & Animal Health Technology	10+2 (Medical)	10+2 (PCBE)
B.V.Sc.&A.H.	10+2 (Medical)	NEET Rank-2022
B.Tech. (Dairy Technology)	10+2 (Non-Medical)	10+2 (PCME)
Bachelor of Fisheries Science (B.F.Sc.)	10+2 (Medical)	10+2 (PCBE)
B.Tech. (Biotechnology)	10+2 (Medical/Non-Medical)	10+2 (PCBE/PCME)
M.V.Sc.	B.V.Sc.&A.H.	ICAR-AIEEA-PG-2022 and OGPA/OCPA/%age
M.Tech/M.Sc. (Dairy Sc. & Tech.)	B.Tech (Dairy Technology)	
M.F.Sc.	B.F.Sc.	
M.Sc. (Mol. Bio. & Biotech.)	B.Sc. (Biotechnology)	
Ph.D. (in various disciplines)	Master's degree in concerned discipline	OGPA/OCPA/%age



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