



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

Top Ranked State Veterinary University of India as per
ICAR Ranking for the Year 2019

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July - September 2021 (3)

From the Desk of the Vice-Chancellor



The year 2021 is very special, as we are commemorating the 75th year of India's Independence, paying tributes to the brave hearts who heroically fought/laid down their lives for the freedom of India. Being the pride nationals of this pluralist nation, it is our solemn duty to make every sincere effort for its advancement, and to have a cohesive society.

Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana has been consistently and passionately contributing towards the development of nation through capacity building of the stakeholders to serve the livestock sector vis-à-vis upliftment of their livelihood and social security. The University in tune with its mandate in academic, research and extension activities has been providing required stimulus and technical support to the stakeholders to be employment providers, rather be job seekers. Promotion of entrepreneurship and Integrated Farming System (IFS) have been amongst the primary goals of the University to inculcate the spirit of 'Atam Nirbhar Bharat'.

University during this quarter of the year has done plethora of activities under the aegis of 'INDIA@75 - Azadi Ka Amrit Mahotsav' of Government of India. Overcoming the bottle necks imposed by COVID-19 pandemic, the University was at the doorstep of farmers for dissemination of scientific knowledge on livestock farming by organizing 'Pashu Palan Mela' in the virtual mode for transcending the information across the University domains, which is paramount for updating the farmers about innovations and advancements. Visit(s) of senior expert(s) to the University and their interaction(s) with the University fraternity have been strategic to infuse the spirit of to be entrepreneurs amongst students. 'The Best KVK Award' earned by Krishi Vigyan Kendra, Booh (Tarn Taran) of the University reflects the quality of extension services being provided to the stakeholders for promoting livestock farming. The scientists/ students collectively and/or individually have also brought laurels to the University.

Admission process for the academic year 2021-22 has begun at the University. Owing to the repute earned by GADVASU due to tireless efforts of its faculty, staff and students, the University has received overwhelmed response from the aspirants for seeking admission to various undergraduate and postgraduate programmes. The Institutional Development Project at GADVASU has played a pivotal role in strengthening of educational infrastructure in the University. The ethno-veterinary practices are being given considerable attention at the University, and GADVASU has also signed Memorandum of Understanding (MoU) with the University of Trans-Disciplinary Health Sciences and Technology to collaborate on research and training on traditional practices of veterinary medicine. Plantation drive(s) have been held at University campus and its outstations to spread the message of save environment to save life.

On the auspicious occasion of 75 years of Independence, let's pledge to make every effort towards the development of our University vis-à-vis nation.

JAI HIND

(Inderjeet Singh)
Vice-Chancellor

Pashu Palan Mela

GADVASU in collaboration with Punjab Agricultural University, Ludhiana organized a *Pashu Palan Mela* on 17-18th September, 2021, in virtual mode. Hon'ble Chief Minister of Punjab, Capt. Amarinder Singh inaugurated the mela and emphasized on having farm diversification with livestock production, water conservation, direct seeding of rice, drip irrigation, use of herbal pesticides and above all enhancing the income vis-à-vis the livelihood of the farmers.

Dr. Inderjeet Singh, Vice-Chancellor, GADVASU during the deliberations highlighted the progress of various infrastructural projects implemented by the University under the aegis of Punjab Government and informed about the various initiatives and facilities of the University available at the disposal of the livestock farmers. Respective subject matter experts addressed the queries of farmers and panel discussion was conducted to deliberate on uplifting the livestock sector.



Additional Director General, NCC Visits GADVASU NCC Unit

Major General J. S. Sandhu, AVSM, Additional Director General, National Cadet Corps Punjab, Haryana, Himachal Pradesh and Chandigarh visited 1 Pb Remount & Veterinary SQN NCC at GADVASU. During his maiden visit to the University, Major General Sandhu inspected the facilities and functioning of the NCC Unit and appreciated its fantabulous maintenance and up keep. He lauded the excellent efforts and support of GADVASU to the NCC Unit.

Dr. Inderjeet Singh, Vice-Chancellor, GADVASU lauded the effort put up by the staff of 1 Pb R & V SQN NCC for training students in the best possible way even in the prevalent COVID-19 pandemic era.



Immense Scope for Veterinarians as Entrepreneurs - Asserted Dr. D.V.R. Rao

Institutional Development Plan (IDP) Cell of GADVASU organized a guest lecture on '**Entrepreneurial Opportunities for Vets**'. Dr. D.V.R. Prakasha Rao, President, Governing Council, National Academy of Veterinary Sciences (India) was the Hon'ble speaker. He shared his inspirational journey from a technocrat to an entrepreneur mentioning the key components to be practiced to be a successful entrepreneur. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU expressed his gratitude towards Dr. Rao for his motivational talk and emphatically opined in consonance with his views. He briefed about the initiatives of GADVASU in boosting entrepreneurship culture amongst students, farmers and unemployed youth.



Teaching and Research Activities

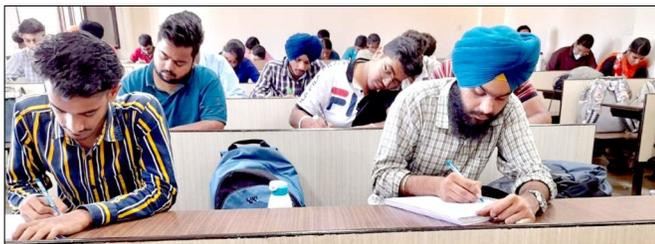
Admission(s) begin at GADVASU



Admission to all undergraduate, postgraduate and Ph.D. programme(s) of GADVASU begins with call for online applications. Dr. Inderjeet Singh, Vice-Chancellor informed that being the number one veterinary university of India according to IC-AR ranking, GADVASU offers an excellent learning environment to the students to pursue their higher education in veterinary science, fisheries, dairy science & technology and animal biotechnology and fulfils their cherished dreams. There are ample employment opportunities in government and/or private organizations after accomplishment of education in these disciplines. Students can even opt for profitable private practice/entrepreneurship. The University also imparts one month advanced training for helping students to succeed in cracking the North American Veterinary Licensing Examination (NAVLE), required for licensure to practice veterinary medicine in all licensing jurisdictions in the **United States and Canada**.

Essay competition on 'Role of Youth in National Service Scheme'

NSS Unit of GADVASU organized an essay competition on 'Role of Youth in National Service Scheme' to mark the celebrations of NSS Day. The competition provided a platform to the students to express their ideas on the theme of competition. The NSS volunteers took part in the competition with a great zeal.



Students participating in competition

Activities of IDP Cell

Training and capacity building programme(s): The IDP cell of GADVASU organized four training programme(s) on soft and technical skills development for holistic nurturing of students. Webinars and poster competitions were also organized on various aspects of soft and technical skills, and motivating the students.



Training and capacity building programme

Strengthening of Teaching Infrastructure: To aid teaching and research activities, IDP Cell sponsored the addition of 100 pieces of Cow scout S-neck with 2 antenna and accessories for application of artificial intelligence as an educational tool. The Language laboratory has been strengthened with addition of 50 consoles of language laboratory software to help improve the language proficiency of the students. In addition, books and journals were purchased/subscribed for students to support their academic pursuits.

Seminars, webinars and workshops: A series of webinars with key thematic areas encompassing career options after graduation, entrepreneurship development and capacity building for dairy science and fisheries students were organized.



Industry Interaction(s): Four Industry-Academic Interface session(s) on entrepreneurship development were organized, facilitating interaction of students and faculty members with industrialists and entrepreneurs to develop the students for them to be as entrepreneurs providing jobs rather be job seekers.

GADVASU inks MoU with University of Trans-Disciplinary Health Sciences & Technology, Karnataka

GADVASU signed a Memorandum of Understanding (MoU) with the University of Trans-Disciplinary Health Sciences & Technology (TDU), Karnataka to collaborate on research and training of scientist/ veterinarians on ethno-veterinary practices. The MoU was signed by Dr. JPS Gill, Director of Research, GADVASU, and Mr. Atul Kumar Gupta, Registrar, TDU in the presence of Dr. Inderjeet Singh, Vice-Chancellor, GADVASU and officers of both the universities in virtual mode. Dr. Inderjeet Singh congratulated both the universities for inking the MoU and said that since the ancient times, India had been the hub of education and herbal treatments. Of late, it is high time to re-invent those treatises and validate them in the current scenario on animals. Both universities will work in tandem to train veterinarians, para-veterinarians, and other stakeholders in this field.



Centralised sale point of milk and milk products opened



Dr. Inderjeet Singh, Vice-Chancellor inaugurating the Sale Point

College of Dairy Science and Technology opened a centralised sale point for fresh milk and milk products in the University campus. Dr. Inderjeet Singh, Vice-Chancellor inaugurated the sale point and applauded the endeavours of the college for fulfilling the consumers' demand of fresh milk and value added milk products. Experimental Dairy Plant (EDP) of the college is using the milk produced at GADVASU dairy farm to prepare pasteurized liquid milk, various types of clean, hygienic and nutritious processed milk products. The products are available at the sale point from 7.00 am to 10.00 am in morning and 4.00 pm to 6.00 pm in evening on daily basis.



Independence Day Celebrations

GADVASU celebrated 75th Independence Day with a great fervour. Dr. Inderjeet Singh, Vice-Chancellor unfurled the National Flag and paid tributes to the freedom fighters. The function was dedicated to 'Azadi ka Amrit Mahotsav-75 years of Independence'. Dr. Singh shared that during the last one year, the University has developed educational facilities and infrastructure under Institutional Development Plan in meticulous manner, uplifting its' educational standards. He acknowledged the ongoing research projects and extension activities of the University and its KVKs for taking research from lab-to-land. The Vice-Chancellor said that the Tele-Advisory Centre's services will be a boon for the farmers, facilitating them instant technical advise cutting across the barriers of space and time. He motivated scientists and employees of the University to put their best for strengthening of the institute. Students presented patriotic songs and poems. The University fraternity took part in the event enthusiastically.



Award(s)/Honour(s)

Best Krishi Vigyan Kendra Award

Krishi Vigyan Kendra (KVK) of GADVASU at Booh (Tarn Taran) bagged the 'Best KVK Award' amongst 22 KVKs of Punjab in the Zonal Workshop of KVKs Zone-1 organized by ICAR-ATARI, Zone -1, Punjab Agricultural University, Ludhiana in virtual mode. A total of 70 KVKs from Punjab and adjoining states participated in the workshop. The event was graced with the presence of Dr. Trilochan Mohapatra, Secretary (DARE) & Director General, Indian Council of Agricultural Research, New Delhi, Dr. AK Singh, DDG (Agricultural Extension), ADGs (Agricultural Extension) ICAR, Director ICAR-ATARI Zone-1 and Vice-Chancellors. Established in 2011, KVK, Booh has earned this prestige owing to consistent good performance. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU and Dr. Rajbir Singh, Director, ICAR-ATARI, Zone -1, PAU, Ludhiana congratulated the KVK, Booh fraternity for earning the honour.



International Recognition for Scientist

International Register of Certificate Auditors (IRCA) and Chartered Quality Institute, United Kingdom recognised Dr. Manish Kumar Chatli, Dean, College of Veterinary Science Rampura Phul as the Lead Auditor for Food Safety and Management System.



- Dr. Sukhwinder Singh, M.V.Sc. alumnus of Department of Veterinary and Animal Husbandry Extension Education was honored with Dr. Sarvepalli Radhakrishnan Best Researcher award 2021 for his research work on the topic of 'Training need assessment of goat farmers in Punjab'.



Scientist(s) bagged Sri Ramlal Agarwal Award

Scientist(s) from Department of Veterinary Medicine bagged the prestigious Sri Ramlal Agarwal Award, 2021 for research entitled 'Effect of Herbal Biocholine and Herbal Vitamin E Selenium in prevention of Ketosis, Hepatic Lipidosis and Subclinical mastitis in dairy animals'. The award consisting of a Citation, Medal and Rs. 25000/- was bestowed to the team lead by Dr. Sushma Chhabra, Principal Scientist.



Scientists honored at national level

- Dr. Rajesh Kasrija, Associate Professor, Department of Veterinary and Animal Husbandry Extension Education was honoured with Dr. Sarvepalli Radhakrishnan Best Teacher Award 2021 in Veterinary Extension Education on National Teachers Day by Center for Professional Advancement.



Mid-Career Scientist Award

Dr. Devendra Pathak, Senior Scientist, Department of Veterinary Anatomy bagged the Mid-Career Scientist Award during the IIIrd Annual Conference of Animal Physiologists Association (APA) and National Symposium on 'Physiological Interventions for the Augmentation of Sustainable Animal Production' organized by the College of Veterinary Science and Animal Husbandry, U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura.



Student got selected for 'CREATE program'

Dr. Shikha Chaudhary, Ph.D. student of the College of Animal Biotechnology got selected for the 'Collaborative Research and Training Experience (CREATE) program' on Genome editing for food security, organized by the University of McGill, Canada.



Student got First Prize in National level research proposal writing competition

Dr. Manjeet Sharan, Postgraduate student of Centre for One Health bagged the first position in a national level 'Student Focus Competition' on 'Transformative proposals with respect to Sustainable Bio fortification solutions for F&B Industry' organized by International Training Centre for Food Safety and Applied Nutrition (ITCFSAN) in collaboration with Food Safety and Standards Authority of India and Export Inspection Council, Government of India.



First Prize in Three Minute Thesis (3MT) Presentation Competition

Dr. Nitasha Sambyal, a Ph.D. Scholar from Centre for One Health bagged the first prize for her thesis entitled 'Study on Hazard Identification and Microbial Risk Assessment in Dairy Sector of Punjab' in a Three Minute Thesis Competition organized by Genome Editing for Food Security and Environment Sustainability, a one-year training program affiliated by Faculty of Agriculture and Environment Sciences, McGill, Canada.



Green Campus Initiatives

Tree Plantation Drive(s)

- GADVASU organized Tree Plantation Drive under the theme 'Har Medh Par Ped' as part of celebration of 'India@75 – Bharat ka Amrut Mahotsav'. Dr. Inderjeet Singh, Vice-Chancellor inaugurated the event by planting saplings of plants and emphasized on the importance of planting trees to protect environment. Plantation work was carried out in and around Centre for One Health, Scientist Home, Herbal garden and university hostels. The University Officers and faculty also planted sapling of trees.



Dr. Inderjeet Singh, Vice-Chancellor planting tree sapling

- Bank of Baroda (BoB) conducted plantation drive at College of Fisheries to commemorate its 114th foundation day on July 20, 2021. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU and Regional Manager of BoB inaugurated the plantation drive with a message to protect environment for maintaining its ecological balance to serve the future generations. Officers of the university also graced the occasion.



Dr. Inderjeet Singh, Vice-Chancellor inaugurating the Plantation Drive

Amrit Hariyawal Samaroh

Multi-Specialty Veterinary Hospital and Regional Research & Training Center of GADVASU at Sappanwali, Abohar (Fazilka) organized 'Amrit Hariyawal Samaroh'. The Gram Panchayat of village Sappanwali extended whole hearted cooperation in organizing the event. Officers from the District Animal Husbandry Department also took part in the programme. Around 500 saplings of different plant varieties provided by the Divisional Forest Officer, Sri Muktsar Sahib were planted by dignitaries and farmers of the village.



Tree Plantation Drive during Amrit Hariyawal Samaroh

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

Animal Parasite Awareness Week

GADVASU celebrated Animal Parasite Awareness Week from 23rd to 27th August 2021 with great fervour and zeal, taking in its ambit the organization of following programmes/activities:

- Directorate of Extension Education organized a workshop to create awareness on control and mitigation strategies for parasitic diseases in collaboration with the Department of Veterinary Parasitology. Dr. Inderjeet Singh, Vice-Chancellor emphasized upon the need to sensitize various stakeholders involved in the dairy sector about the importance of subdued parasitic infections that lead to enormous economic losses. Expert(s) delivered talks on different aspects of parasitic infections of dairy animals and strategies that can be adopted to prevent and control such diseases.



Dr. Inderjeet Singh, Vice-Chancellor addressing the participants

- Department of Veterinary Parasitology and Department of Veterinary and Animal Husbandry Extension Education jointly organized an Awareness Training Camp at village Ichhewal (Patiala) sensitizing farmers about the importance of standard management practices in livestock farming to uplift the economic returns from the sector.



Awareness Training Camp

- A Diagnostic-cum-Awareness Camp under the theme '**Parasitic infections of Livestock & Companion Animals: An Update on Management and Control Strategies**' was conducted at Veterinary College, Rampura Phul (Bathinda) to create awareness amongst participants regarding the parasitic infections.
- Department of Veterinary Parasitology conducted a free deworming, acaricidal usage sample testing and parasite management camp for livestock and pet owners.



- University scientists delivered T.V. and Radio Talk(s) and published articles in newspapers and magazines for sensitizing the stakeholders about parasitic infections.
- Krishi Vigyan Kendra (KVK), Booh (Tarn Taran) organized a workshop on '**Strategies to overcome parasitic problems in dairy animals under field conditions**'.



Dr. Inderjeet Singh, Vice-Chancellor said that the programme(s) certainly created awareness amongst the stakeholders regarding the negative impact of parasitic infections on livestock sector and measures to mitigate them using holistic integrated approach. This will further help in getting maximum profitability from the livestock with minimal use of chemicals.

Awareness campaign to mark the World Zoonoses Day



International e-Symposium in progress

Centre for One Health celebrated the World Zoonoses Day in a series of events, beginning with an International e-Symposium on **'One Health Approach to tackle Zoonoses'** organized under the aegis of ICAR-Institutional Development Plan-National Agricultural Higher Education Project (IDP-NAHEP). A total of 200 participants took part in the event and got benefitted. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU presided the inaugural session and Dr. R.K. Singh, Director (Retd.), IVRI and Dr. SPS Ghuman, Dean, College of Veterinary Science and Principal Investigator, IDP-NAHEP were the Guest(s) of honour. The Vice-Chancellor highlighted the importance of World Zoonoses Day and shared how such events are helpful to make masses aware about zoonoses.

Workshop on Use of paddy straw for livestock production



Book release by the Vice-Chancellor

Directorate of Extension Education organized a workshop on **'Use of paddy straw in animal production'** for animal scientists working at KVKs of the state. Dr Inderjeet Singh, Vice-Chancellor stressed on the joint efforts of GADVASU, PAU and related departments to make farmers aware about the usage of paddy straw as the cheaper source of livestock nutrition. The book on **'Paddy Residue Management'** was also released. Treatment of paddy straw with urea and molasses to improve its nutritive value, making urea treated bales during harvesting and exporting to adjoining states were discussed apart from its alternate uses in livestock. Misconceptions about ill effects of paddy straw feeding were addressed by the scientists.

Brainstorming on 'Prospects and Challenges of Dairying in India'

Institutional Development Plan (IDP) Cell of GADVASU organized a guest lecture by Dr. Rameshwar Singh, Vice-Chancellor, Bihar Animal Sciences University (BASU) on **'Dairying in India-opportunities and Challenges'**. Dr. Singh, a distinguished Dairy Scientist and the founder Vice-Chancellor of Bihar Animal Sciences University, Patna shared his views on dairy sector in India in detail and explained the challenges being faced by farmers and entrepreneurs. He insisted that dairy industry should work on development of shelf stable milk products, having a potential market. Breeding, animal health and nutrition is another area where researchers and policy makers should work in tandem for the growth of the industry. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU said that organizing lectures from key experts on pertinent issues is pivotal for prompting innovativeness amongst students and young professionals.



Dr. Rameshwar Singh sharing his words of wisdom

Dairy Farming Training Course



Dr. Inderjeet Singh, Vice-Chancellor distributing certificates to the participants

- Department of Veterinary and Animal Husbandry Extension Education organized training course on Dairy Farming. The trainees were disseminated technical know-how for starting a new venture in dairy farming and were imparted scientific knowledge on selection and identification of dairy breeds, breeding strategies, shelter management, feeding management, reproductive management, marketing and value addition of dairy produce.

Dr. Inderjeet Singh, Vice-Chancellor stressed upon the need of adopting dairy farming as a business enterprise.

- KVK, Booh (Tarn Taran) organized a vocational training programme on 'Scientific Dairy Farming'. Expert(s) highlighted the importance of dairy farming for resource poor people in rural areas and imparted technical knowledge to the participants about the lay out plans for dairy farming, disease management, feeding schedule for different age group animals, vaccination in dairy animals, nutritive value of milk, value addition techniques, marketing of dairy produce etc.



Maiden Training on Dog Blood Transfusion



Valedictory function of training programme

Department of Veterinary Medicine organized training programme on 'Practical tips on anaemia and blood transfusion in dogs' under the aegis of DBT-GADVASU Canine Research Centre of the University. This first ever training programme on transfusion of blood and its components in dogs in north India took in its ambit the practical aspects of separating the dog whole blood into different components, such as packed RBCs, platelets and plasma and transfusion of the need based blood component to recipient patient. Thus, blood from a single donor dog could be transfused to 3-different patients based on their requirements. The Blood Transfusion Unit has been appreciated throughout the country and in a recent tweet; Hon'ble Governor of Punjab had congratulated the faculty of Veterinary Medicine for the services rendered to livestock and pet owners. Dr. S.K. Uppal, Dean, Postgraduate Studies inaugurated the training programme and Dr. J. P. S. Gill, Director of Research, presided over the valedictory function.



World Rabies Day-2021

Centre for One Health organized an awareness programme on 'World Rabies Day-2021' in collaboration with Government Senior Secondary Smart School, Punjab Agricultural University, Ludhiana. Dr. Jasbir Singh Bedi, Director, Centre for One Health interacted with the school students and acquainted them about the relevance of 'World Rabies Day'. Lecture(s) on Rabies emphasizing its prevention and control strategies were also delivered by expert(s).



Expert(s) delivering lecture(s) to students

Training on 'SNP data analysis for detecting parentage in Animals'

Department of Bioinformatics, College of Animal Biotechnology organized an online training under the theme 'SNP data analysis for detecting parentage in Animals' under the project 'DBT-19-I: Parentage Determination and Cytogenetic Profiling in Dogs'.

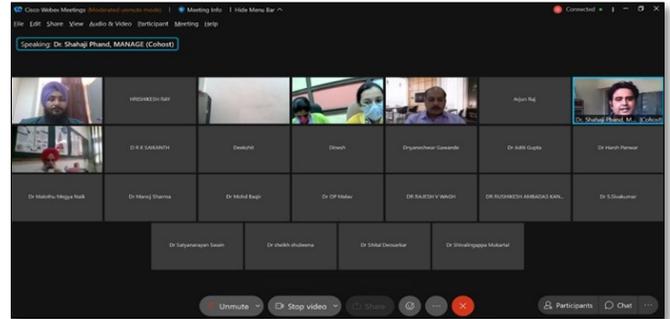


Training on SNP data analysis

Training on 'Diagnostic Cytology'

Department of Veterinary Pathology organized online training on 'Diagnostic Cytology'. A total of 25 scientific stakeholders took part in the training for honing up their skills. The participants were apprised of the importance of cytology in diagnosis of diseases in animals including tumours.

Training on value addition of milk and meat



Online training in progress

GADVASU along with National Institute of Agricultural Extension Management, Hyderabad organized an online training programme on 'Value Addition of Milk and Meat: A Push to Entrepreneurship' for stakeholders of livestock sector. A total of 155 participants took part in the training. Expert(s) imparted scientific knowledge to the participants covering diverse aspects of value addition of milk, meat and fish.

Training Course on Poultry Farming

Department of Veterinary and Animal Husbandry Extension Education organized a training course on poultry farming. The trainees were imparted technical knowledge about specific breeds and strains of the poultry stock, GADVASU poultry breeds, hatchery management, construction of sheds for commercial farming, backyard poultry production, integrated poultry farming, management of poultry waste, prevention from heat and cold during environment stress, economical and balanced ration for different stages of the birds, making different products from egg and meat, their branding, vaccination in birds, post mortem examination, preparation of project reports etc. The trainees were also provided saplings of medicinal plants by AYUSH wing of GADVASU under the theme AYUSH APKE DWAR.



Participants of training on poultry farming with University expert(s)

Training(s) on Pig Farming



Pig Farming Training

- Department of Veterinary and Animal Husbandry Extension Education organized a training programme on pig farming for imparting scientific knowledge to the pig entrepreneurs to boost start-ups. Expert(s) disseminated knowledge about various breeds, breeding, management, shed design, weather management, vaccination protocols, diseases and their preventive measures, value addition of meat, and economics of pig farming, etc. Practical training on handling of pigs, measuring their body temperature, signs of healthy animals, value addition of pork, etc.



Participants of training with KVK expert(s)

- KVK, Booh (Tarn Taran) and KVK, S.A.S. Nagar (Mohali) organized the training programmes on 'Scientific Pig farming'. Expert(s) highlighted the importance of pig farming for resource poor people in rural areas and disseminated technical knowledge to the participants about selection of appropriate pig breeds, feeding management, importance of vaccination in pigs, different types of diseases, their possible treatments, nutritive value of pig meat etc.

Training on Goat farming

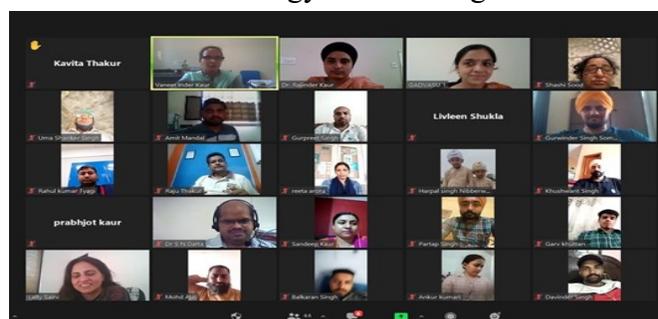
Department of Veterinary and Animal Husbandry Extension Education organized training programme on Goat Farming for improving family income of small and marginal farmers and to run goat farming as an enterprise on commercial scale. A total of 21 trainees participated in the training programme. Expert(s) apprised participants about diverse aspects of goat farming. In addition, practical training on handling of goats, measuring temperature, signs of healthy animals, age determination by seeing dentition and hoof management was also provided to the trainees.



Participants of training on Goat Farming

Training on 'Fish Farming'

College of Fisheries organized a training programme on fish farming. A total of 61 stakeholders attended the training, aimed at infusing an entrepreneurial aptitude amongst the participants to take up fish farming as a promising business endeavour for livelihood and employment generation, driving to 'Atmanirbhar Bharat'. The training took in its ambit the technical sessions on Best Management Practices (BMPs) for fish farming covering various entrepreneurial aquaculture related activities, seed production, feed manufacturing, water testing, fish processing/value addition, aquarium fabrication, ornamental fish production and trading. Special session on upcoming intensive aquaculture technologies like Recirculatory Aquaculture System and Biofloc Technology was also organized.



Training on Fish Farming

National Colloquium on Brucellosis

Centre for One Health organized a national Colloquium on Brucellosis under the patronage of Dr. Inderjeet Singh, Vice-Chancellor, GADVASU. Dr. Parveen Malik, Animal Husbandry Commissioner was the Chief Guest of the programme and Dr. H.S. Kahlon, Joint Director Animal Husbandry, Punjab and Dr. D.S. Pooni, Chief Medical Officer, Health Center, Punjab Agricultural University, Ludhiana were the Guest(s) of Honour. Dr. Malik briefed about the ongoing brucellosis control programme in India. Dr. Inderjeet Singh shared his experiences about control of brucellosis in Punjab. Expert(s) delivered talk(s) on zoonoses for scientific fraternity and a Zoonoses awareness camp was organized to sensitize the farmers about zoonoses, control and prevention with special emphasis on Brucellosis control.

Webinar on Time Management

College of Fisheries organized a webinar entitled '**Tik-Tok: How to Manage Time Effectively**'. Expert elaborated the urgent and important aspects in life with practical examples, and prioritization of the routine activities. A total of 123 participants attended the webinar and interacted with the speaker about time management.

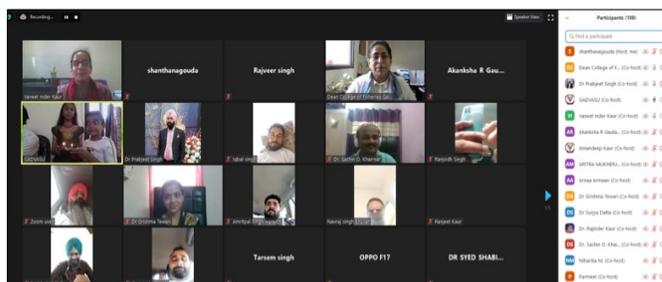


Expert delivering talk

Webinar on 'Fishpreneurial development skills for Aatmanirbhar Bharat'

College of Fisheries in collaboration with IDP Cell of the University under ICAR-NAHEP organized webinar on '**Fishpreneurial development skills for Aatmanirbhar Bharat**' for students and young entrepreneurs to inculcate/enhance their entrepreneurial skills to start-up take up fish farming as an enterprise driving towards 'Aatmanirbhar Bharat'.

'National Fish Farmers Day' (NFFD) celebrated



- College of Fisheries (COF) in collaboration with IDP cell, GADVASU celebrated '**National Fish Farmers Day**' acclaiming the fish farmers for their contribution to the national economy and food/nutritional security. Students of COF presented warm gratitude to the fish farmers by showcasing/reciting admiring essays, posters and poems to acknowledge their contribution towards Indian economy through Blue Revolution. Video documentary of Innovative fish, shrimp and integrated fish farmers, including progressive women entrepreneurs was showcased to the participants, for instilling young minds of students with an entrepreneurial zeal.
- KVK, SAS Nagar (Mohali) in collaboration with District Fisheries Department and Godrej Agrovet Ltd. celebrated National Fish Farmers Day-2021 under the theme '**Ecosystem Management for Sustainable Fisheries**'.

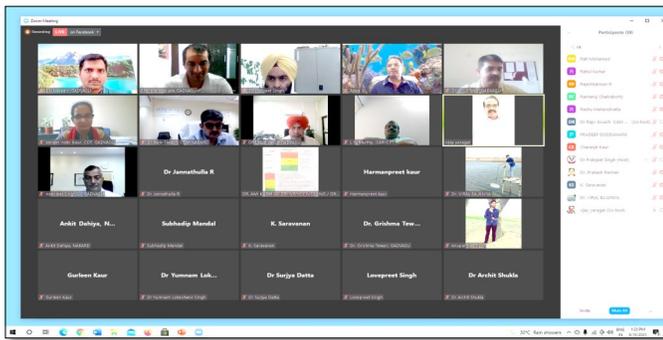
Training on 'Value Addition of Milk'



Dr. JPS Gill, Director of Research distributing certificates to participants

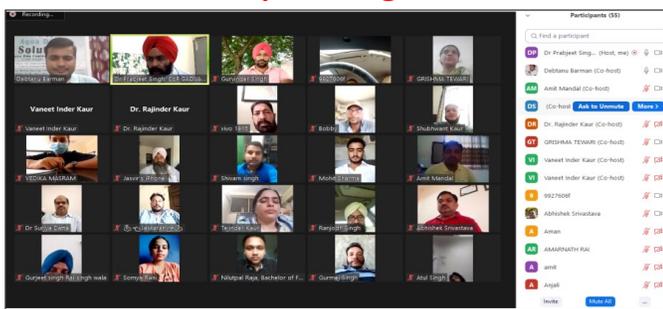
College of Dairy Science and Technology organized a training programme for dairy farmers and entrepreneurs. A total of 19 trainees took part in the programme to chisel up their skills. The trainees were provided practical training on manufacturing of milk products and were imparted scientific knowledge about microbiological, chemical and economic aspects for proper handling of milk and milk products.

Training on 'Recent advances in aquatic animal health and environment management for sustainable aquaculture'



College of Fisheries organized a virtual training programme on 'Recent advances in aquatic animal health and environment management for sustainable aquaculture' under the 'National Surveillance program for Aquatic Animal Diseases' funded by Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India. In the programme conducted under the patronage of Dr. Inderjeet Singh, Vice-Chancellor, GADVASU, Dr. J. K. Jena, DDG (Fisheries), ICAR, New Delhi graced the occasion as the Chief Guest of the inaugural session and Dr. Madan Mohan, Director and Warden, State Fisheries Department, Punjab as the Guest of Honour.

Monthly Meeting of IFFA



College of Fisheries organized meeting of Innovative Fish Farmers Association of Punjab (IFFA) for the month of August in virtual mode. A total of 65 progressive fish farmers, entrepreneurs, students and officials from State fisheries department took part in the meeting. Mr. Debtanu Barman, Director Aquaone Centre, Kolkata and CEO, Aqua Doctor Solutions, Kolkata delivered elaborative talk on 'Best Management Practices for Enhanced Productivity and Profitability in Fish Farming', sharing his pragmatic views for managing fish and its environment so as to reap maximum profit.

Training on 'Fish Processing and Value Addition'

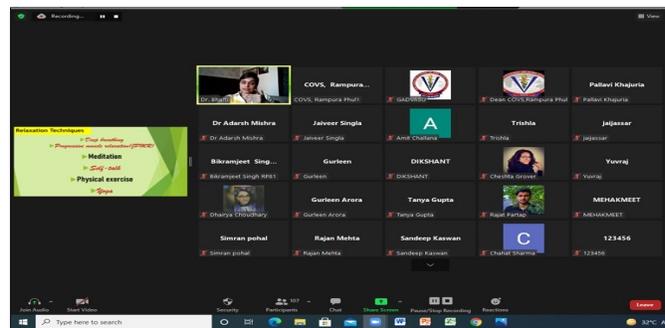


Participants with University expert(s)

College of Fisheries in collaboration with KVK, Mohali organized Skill Development Training programme on 'Fish Processing and Value Addition' under the aegis of Directorate of Extension Education. The programme conducted under the Central Institute of Fisheries Technology- Scheduled Castes Sub-Plan (CIFT-SCSP) sponsored project included hands on training in fish processing skills such as fish handling, processing and value addition, packaging and preservation along with marketing. Practical demonstrations on development of value added fish products were also delivered.

Talk on Mental Health Management During Covid -19 Crisis

College of Veterinary Science, Rampura Phul organized Health talk series under the patronage of Dr. Inderjeet Singh, Vice-Chancellor, GADVASU. The expert delivered a talk on 'Mental Health Management during COVID -19 Crisis' with special emphasis on mental wellbeing of the students. The participants were enlightened regarding crisis management and stress management including internet addiction and psychiatric issues of students in prevalent pandemic.



Activities of Krishi Vigyan Kendra(s)

Inauguration of Home Science Laboratory and Technology Information Unit at KVK, Booh



Dr. Inderjeet Singh, Vice-Chancellor inaugurating Home Science Laboratory

Dr. Inderjeet Singh, Vice-Chancellor, GADVASU inaugurated Home Science Laboratory at Krishi Vigyan Kendra (KVK), Booh (Tarn Taran). The laboratory has been equipped with various food processing units including Khoya making machine, cream separator, pasta making machine, solar dryer, packaging machine along with fish processing machinery. This facility also has sewing machines and textile corner. The Vice-Chancellor advocated introducing moveable machines also for taking those to the doorstep of farmers so that they can be benefitted the most.



Dr. R S Brar and Dr. Inderjeet Singh inaugurating Technology Information Unit

Dr. Rajbir Singh Brar, Director, ICAR-ATARI, Zone-I, Punjab Agricultural University Campus, Ludhiana inaugurated the Technology Information Unit, the hub of various technologies being disseminated to farm families by the KVK.

ICAR Foundation day celebrated at KVK, Booh



Plantation Drive during ICAR Foundation Day

KVK, Booh (Tarn Taran) celebrated Atma Nirbhar Krishi - ICAR Foundation day on 16 July, 2021. Expert(s) apprised the participants about importance of agriculture in contemporary times in terms of contribution to GDP and discussed with them about the employment and entrepreneurship opportunities in the dairy farming and poultry sector. Products of GADVASU viz. mineral mixture, Uromin licks were also displayed for sale during the event. Tree saplings were planted in KVK premises under the theme, 'Har Medh Par Ped' as part of our India@75 – Azadi ka Amrut Mahotsav.

Training programme on 'Scientific breeding strategies in dairy animals'

KVK, Booh (Tarn Taran) organized training programme on 'Scientific breeding strategies in dairy animals'. A total of 20 farmers took part in the training programme. Expert(s) imparted scientific knowledge to the participants about feed, fodder, silage management, mineral mixture, uromin lick, bypass fat, reproductive management in dairy animals, importance of vaccination in dairy animals, different diseases and their possible treatments.



Participants of training course

Seminar on 'Food and Nutrition for Farmers'



Farmers visiting exhibition stall

KVK, Booh (Tarn Taran) under the aegis of ICAR and GADVASU organized National level campaign under the theme '**Food and Nutrition for Farmers**'. A total of 50 farmers attended the live webcast of Hon'ble Agriculture Minister, Government of India. Various stalls were arranged at KVK premises to create awareness amongst farmers about the nutritional aspects related to crops, livestock and humans. Expert(s) explained the role of bio-fortified crops, fruits and vegetables in daily diet to achieve nutritional security and discussed about the methods to improve soil health to grow nutritious crops and foods.

National Campaign on Poshan Abhiyan and Tree Plantation

KVK, Booh (Tarn Taran) organized the national campaign on '**Poshan Abhiyan**' and Tree Plantation in association with IFFCO. KVK scientists, IFFCO Officers, Anganwadi Supervisors and Workers and farmers participated in the workshop. The participants interacted with a panel of experts for amelioration of their nutritional status. Experts made beneficiaries aware about the advantages of nutrient content of locally grown millets (maize), nutri cereals and their role in human health management. Sapling of trees were planted at KVK campus and were distributed to the beneficiaries as well. Vegetable seed kits were also provided to the participants.

Training on 'Guava Cultivation Technology'

KVK, S.A.S. Nagar (Mohali) organized training on '**Guava Cultivation Technology**'. Expert(s) imparted technical knowledge to the participants on guava cultivation techniques, suitable varieties, training and pruning, crop regulation etc.

Chief General Manager, NABARD inspected ongoing projects at Tarn Taran



Dr. Rajiv Siwach, Chief General Manager NABARD along with KVK experts releasing instructional material

KVK, Booh (Tarn Taran) organized field day on management of fruit fly in Cucurbit crops under the NABARD Funded Project entitled '**Development of low cost fruit fly traps for cucurbit vegetables and its demonstration at farmer's field in border area of district Tarn Taran in Punjab**' at village Kasel (Tarn Taran). Dr. Rajiv Siwach, Chief General Manager, NABARD, Regional Office, Punjab & Chandigarh was the Chief Guest of the programme. Sh. R.K. Johari, AGM, NABARD, Punjab, Sh. Jaskirat Singh, AGM, NABARD, Amritsar & Tarn Taran also graced the occasion. Dr. Rajiv Siwach monitored the activities of the project, interacted with the farmers and took their views for successful implementation of the project.

Awareness camp on 'Silage making for sustainable livestock production'

KVK, Booh organized an awareness camp on '**Silage making for sustainable livestock production**' at village Bhuchar. Expert(s) apprised farmers about best practices for good quality silage making for feeding to the livestock and emphasized that by providing good quality corn silage, the expenditure on feed can be curtailed.



Demonstration on Silage making

Capacity Building and Awareness Generation on Combating Environmental Pollution

KVK, Booh (Tarn Taran) organized 'Capacity Building and Awareness Generation on Combating Environmental Pollution by Biomass Burning and improving livelihood by promoting circulatory rural economy'. Dr. Inderjeet Singh, Vice-Chancellor, GADVASU graced the occasion as the Chief Guest of the programme. Dr. Rajbir Singh Brar, Director, ICAR ATARI, Zone-I, PAU campus, Ludhiana, Dr. J.S. Samra, Senior Advisor (Renewable Energy Programme) CRRID, Chandigarh and Dr. Parkash Singh Brar, Director Extension Education, GADVASU were the Guest(s) of Honour.

A total of 300 farmers took part in the capacity building programme and got benefitted. The Vice-Chancellor persuaded the farmers to use crop residues as cattle feed, compost manure, biomass energy generation, mushroom cultivation, packing materials, making paper and bio-ethanol generation, as burning it significantly impairs the soil quality, animal and human health. Dr. Rajbir Singh informed farmers that with the implementation of centrally sponsored scheme 'Promotion of Agricultural Mechanization for In-situ Management of Crop Residues', KVKs along with agriculture department has successfully curtailed the residue burning incidents in the state. KVK, Booh has done exemplary work and made 8 villages in the district burning free in the last few years.



Dr. Inderjeet Singh, Vice-Chancellor releasing technical bulletin

Vice-Chancellor visited KVK, Booh (Tarn Taran)

Dr. Inderjeet Singh, Vice-Chancellor, along with officer(s)/ scientists of the University visited KVK, Booh (Tarn Taran) and inspected the ongoing construction work of the Regional Research and Training Center on Buffaloes. Dr. Singh gave valuable suggestions for early setting up of the center to cater to the need of Nili Ravi farmers of the region. The Vice-Chancellor said that KVK, Booh and upcoming RRTC will be boon for the *Majha* farmers and certainly will help the border farmers for uplifting their economic status substantially. Dr. Singh also interacted with the livestock farmers and suggested them to rear animals on scientific guidelines set up by the university. He emphasized on record keeping for easy identification of productive and reproductive problems at an early stage, so that the suitable measures be adopted, accordingly. The Vice-Chancellor along with KVK Team visited the modernized dairy farm of Mr. Daljit Singh Gill at Village Mari Kamboke.



Dr. Inderjeet Singh, Vice-Chancellor visiting laboratory

Awareness camp on Crop Residue Management

KVK, Booh (Tarn Taran) organized awareness programme on Crop Residue Management under the project 'Promotion of Agricultural Mechanization for *in-situ* Management of Crop Residue'. A total of 42 farmers attended the programme. Experts appealed the farmers for not burning paddy straw as it has ill effects on environmental health and encouraged the farmers to use straw as livestock feed to cut feeding expenditure in farm animals.

Training Programme on 'The Insecticides Act'

KVK, S.A.S. Nagar (Mohali) organized training programme in collaboration with Department of Agriculture and Farmers Welfare, Mohali on 'The Insecticides Act' for Agriculture Development Officers (ADO's) and Extension Officers of District Mohali.

Training on Scientific Mushroom Cultivation

KVK, Booh (Tarn Taran) organized training programme on 'Scientific Mushroom Cultivation' for skill development and entrepreneurship of farmers.

TV/Radio Talks

TV Talk(s)

- Dr. Harmanjit Singh Banga, Registrar delivered a talk on '*Veterinary Vigyan Vich Sikhiya Ate Rozgar De Mauke*' at DD Punjabi on August 24, 2021.
- Dr. Meera D. Ansal delivered a talk on 'Fish farming management during rainy season' at DD Jalandhar on Aug 10, 2021.

Radio Talk(s)

Talk on Animal Production and COVID-19: Myths and facts

- Dr. J. S. Hundal, Professor, Department of Animal Nutrition delivered a talk at Akashvani Jalandhar.

Talk(s) on World Veterinary Day: Veterinarian response to COVID-19 Crisis

- Dr. Jitender Mohindroo, Professor, Dept. of Veterinary Surgery & Radiology delivered a talk at Akashvani Jalandhar.
- Dr. Navdeep Singh, Professor and Head, Dept. of Veterinary Surgery and Radiology delivered an expert talk at Akashvani Ludhiana.
- Dr. Navdeep Singh Ratta, Assistant Professor, Directorate of Livestock Farms delivered a talk at Akashvani Patiala.

Talk(s) on Covid-19 Pandemic and Animal Health

- Dr. B.B.Singh, Professor, Centre for One health delivered a talk at Akashvani Bhatinda.
- Dr. J S Bedi, Director, Centre for One health delivered an expert talk at Akashvani Jalandhar.
- Dr. Rajneesh Sharma, Assistant Professor, Centre for One health delivered a talk at Akashvani Jalandhar.

Talk(s) on Role of GADVASU hospital during COVID-19 and its services to Farmers

- Dr. S.S.Randhawa, Director, Teaching Veterinary Clinical Complex delivered a talk at Akashvani Ludhiana.
- Dr. Raj Sukhbir Singh, Professor, Teaching Veterinary Clinical Complex delivered a talk at Akashvani Bhatinda.
- Dr. Randhir Singh, Assistant Professor, Teaching Veterinary Clinical Complex delivered a talk at Akashvani Jalandhar.

Talk(s) on Fisheries

- Dr. Vaneet Inder Kaur, Principal Scientist delivered a talk on 'Care of fish pond during rainy season' at All India Radio Jalandhar.
- Dr. Rajinder Kaur, Assistant Professor delivered a talk on 'Fish pond management during rainy season' at All India Radio Patiala .

Talk(s) on Impact of COVID-19 crisis on animal farm economics: Challenges and solutions

- Dr. Simratpal Singh Saini, Professor, Department of Veterinary Pharmacology and Toxicology delivered a talk at Akashvani Bhatinda.
- Dr. Puneet Malhotra, Associate Professor, Directorate of Livestock Farms delivered a talk at Akashvani Jalandhar.
- Dr. Daljeet Kaur, Assistant Professor, Department of Livestock Production Management delivered a talk at Akashvani Patiala.

Retirement of Faculty



Dr. Inderjeet Singh, Vice-Chancellor honouring Dr. Narinder Singh Sharma

Dr. Narinder Singh Sharma, Professor of Veterinary Microbiology retired from GADVASU on attaining the age of superannuation on August 31, 2021. The University Teachers' Association held a farewell function in his honour. Dr. Inderjeet Singh, Vice-Chancellor presided over the function and appreciated the services of Dr. Sharma. Dr. Sharma obtained his B.V.Sc. & A.H., M.V.Sc. and Ph.D. degrees from Punjab Agricultural University and joined the university services as Assistant Professor in 1988, gradually advancing up to become Head of Department and later as Controller of Examinations, GADVASU. Dr. Sharma during the service period of 32 years, guided 16 M.V.Sc. and 2 Ph.D. students in the field of Veterinary Microbiology.

Forthcoming Event



75
आज़ादी का
अमृत महोत्सव



Announcement cum Registration

National Symposium of Indian Society for Buffalo Development (ISBD)
on
**SCIENTIFIC INTERVENTIONS TO ADDRESS CHALLENGES
FOR SUSTAINABLE BUFFALO PRODUCTION**



DECEMBER 10-11, 2021

at

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU),
Ludhiana-141004, Punjab, India

Organized by

College of Veterinary Science (Ludhiana), GADVASU
in collaboration with ISBD, Hisar

Hybrid Mode

Online: Viewing Sessions only
Offline: Eligible for Presentations /
Award Competitions

Registration Fee (Offline)

| Category | Registration charges with early bird discount (till Nov 30, 2021) | Registration charges (after Nov 30, 2021) |
|--------------------------|---|---|
| ISBD Members | 5500 | 6500 |
| ISBD Non-Members | 6000 | 7000 |
| Students | 3000 | 3500 |
| Accompanying Person | 3000 | 3500 |
| Foreign Delegates | | |
| SAARC countries | USD 200* | USD 250* |
| Non-SAARC countries | USD 400* | USD 450* |

*to be paid in equivalent Indian Rupees (INR)

Registration Fee (Online) INR 500/- (Indian National); USD 20 (Foreign Delegates)

Mode of Payment (Online & Cash)

Only online mode and cash (on spot registration)

Account details:

Name of the Account: ORGANIZING SECRETARY ISBD CONF

Bank Name: Axis Bank Ltd, PAU Ludhiana Branch (Sol id 4809)

Account No.: 921020043931897

IFSC Code: UTIB0000042 SWIFT code: AXISINBB042

E-mail: isbdgadvasu@gmail.com
<https://goo.gl/maps/BeFvVDusn6UYHhAMA>

The delegates are expected to be vaccinated against COVID-19