e-Newsletter

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

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From the Desk of the Vice-Chancellor

The Guru Angad Dev Veterinary and Animal Sciences University has taken a lead and carved a special Niche in establishing the herbal plant garden and to explore the use of medicinal plants for treatment of various animal diseases. A campaign was started by planting a sapling(s) of Harar (*Terminalia chebula*), a plant used extensively in Ayurveda. Research on medicinal plants has a promising future in evolving new ethno-medicines. The Central Council for Research in Ayurvedic Sciences, Ministry of AYUSH has already granted rupees forty lac research project for the development of a medicinal plant garden. This effort will help in capitalising the vast potential of indigenous plants for therapeutic or preventive medicinal use. Farmers will economically gain from cultivating such medicinal plants.

Issues about paddy residue burning and annual winter smog have emerged as a challenge and aggravated many health problems in North India. Further, burning of straw is being incriminated for poor soil health resulting in low production(s). An MOU has been signed between the University and M/s Neway Renewable Energy (Bathinda) Pvt. Ltd (NREBPL), a sub-group of Alkindi Group Company, Doha Qatar to address this burning issue. The company plans to process 10 million tons of paddy straw into enriched fodder pellets using innovative technology under the guidance of the University. The collaboration between university and NREBPL will go a long way in addressing the paddy straw management and other related environmental issues.

Of late, many trades like pig, goat and dairy farming have caught the attention of the Punjab farmers. The University has achieved another milestone of breeding Pangas catfish successfully in Punjab. Due to conducive climate for Pangas culture for a period of 8 months from March to October. This has a potential for enhancing aquaculture productivity and increasing the farmer's income. The Pangas production within the Punjab will help in supply of fresh fish of high quality as compared to preserved fish being transported from far off states besides giving positive flip to National economy.

Processing and value addition are the most important factors to uplift the economic condition of farmers. The university is developing new value added products. College of Dairy Science and Technology has developed more than three dozen value added products. College of Veterinary Sciences and College of Fisheries have developed forty products and ten value added products, respectively. All the products are highly nutritive with enhanced health benefits. The technology of products is transferable to entrepreneurs and farmers.

I wish the Readers of News Letter "A Very Happy and Prosperous New Year".

(A. S. Nanda)
Vice-Chancellor

Pashu Palan Mela 2018

The University organized the 25th Silver Jubilee 'Pashu Palan Mela' on September 20-21, 2018 under the Slogan 'Vigyanak Nukte Nasal Sudhar, Dugni Aamdan Laye Bahar'. His Excellency, the Governor of Punjab Sh.V. P. Singh Badnore was the chief guest and Janab Hamid Karzai, former President of Afghanistan was the guest of honour. Dr. Baldev Singh Dhillon, Vice-Chancellor, Punjab Agricultural University and the members of the Board of Management, GADVASU also graced the occasion. Sh. Badnore in his address lauded the tenacity of farmers of Punjab and advised them to take a lead role in crop residue management.

Sh. V.P.Singh Badnore, His Excellency, the Governor of Punjab and Janab Hamid Karzai, former President of Afghanistan inaugurating the Pashu Palan Mela

Dr. Amarjit Singh Nanda, Vice-Chancellor, GADVASU said that diversification is the core issue now a days in agriculture farming and livestock farming is the best option for diversification. He further emphasized that diversification within the livestock is need of the hour and the University is making concerted efforts to explore and advocate the new avenues in the livestock farming. Dr. Nanda urged the farmers to adopt the profitable ventures of fisheries, pig, poulty and goat farming in scientific manner and make value additions to products to add on profit in comparison to conventional livestock farming. The University showcased all research, education and extension programmes at the Pashu Palan Mela for the benefit of livestock farmers. Sh. Badnore and Janab Hamid Karzai showed keen interest in the exhibition organised by various departments of the University.

Sh. V.P.Singh Badnore, the Governor of Punjab and Janab Hamid Karzai, former President of Afghanistan visiting the exhibitions of the University along with Dr. A. S. Nanda, Vice-Chancellor , GADVASU

The Pashu Palan Mela provided an interactive interface for farmers, scientists, extension workers, dairy officers, fodder & fisheries officers, various veterinary pharmaceuticals and agribusiness firms and banking sectors for showcasing their experience and the latest knowledge, technologies and schemes which has come up in the livestock sector. Special interactive session on livestock rearing in the scientific way was organised which encompassed through live lectures from experts and answers to the queries from participants. The germplasm of the cows, buffaloes, goats, pigs, poultry and quails were demonstrated to the livestock farmers. The experts delivered talks on the various aspects of livestock, poultry and fish farming and made conversant tide over the common problems faced by farmers.

Farmers enriching their experience of livestock farming

Different mouth tingling vegetarian and non-vegetarian delicacies prepared by College of Dairy Science & Technology, College of Fisheries and Department of Livestock Products Technology were made available for sale.

Students of various schools, colleges, different institutes and civilians visited the Mela, and were apprised about the role of animals in providing us food, security and a number of other important benefits.

School Children enhancing their learning by visiting stalls at exhibition organized by the University

His Excellency the Governor of Punjab Sh. V.P.Singh Badnore and Janab Hamid Karzai, former President of Afghanistan visiting the Mela

"Livestock Calendar", a comprehensive tool carrying monthly Animal Husbandry operations for dairy, pig, goat, fish, and poultry farming including fodder related practices, developed by the scientists of the University was released by the dignitaries for having efficient management procedures of different livestock species in place. Two android based Mobile Apps on Pig Farming and Goat Farming were also released in the Pashu Palan Mela. These Apps covers all operations from initiation of pig farming and goat farming to its proper rearing, feeding and marketing. These can be downloaded from Google Play Store.

The Pashu Palan Mela concluded with a new optimism to give a clean environment to the present and future generations.

International Workshop

The University organised a four days International Workshop under the theme "Antimicrobial Resistance and Strategies for its Mitigation" in July 2018. The workshop was inaugurated by S. Balbir Singh Sidhu, Cabinet Minister, Animal Husbandry, Dairy Development, Fisheries and Labour Department. In his inaugural address, S. Sidhu emphasized the important role played by Animal Husbandry sector and underlined the significance of misuse of antibiotic in the animals that can be a potential threat to the human population also. He exhorted the scientists to suggest possible remedies to curtail the menace of Antibiotic Resistance (AR).

Dr. A. S. Nanda, Vice Chancellor presenting token of gratitude to the Cabinet Minister S. Balbir Singh Sidhu

In inaugural session, Dr. A. S. Nanda, Vice-Chancellor of the University stressed upon the economic impact of the disease outbreak(s) due to superbugs and their adverse effects on the medical tourism of any country. He further emphasized that the problem of AR is of global concern rather than a country specific issue and lauded the efforts made by the University scientists in the area of AR research. Total 55 researchers including 18 researchers representing 15 different countries participated the conference. The issue of AR was extensively deliberated in the workshop. Brain storming session covering various aspects from occurrence of AR among bacteria and different mitigation strategies was conducted. The possibilities of use of bacteriophages, antibodies, antimicrobial peptides and natural herbal products for the control of diseases caused by superbugs were explored. The researchers were of unequivocal view that there is need to develop surveillance strategies especially among the developing nations.

Sanman Smarpan Samaroh

The University organized 'Sanman Smarpan Samaroh' to dedicate the achievements of GADVASUIAN fraternity. Dr. A S Nanda, Vice-Chancellor in his inaugural address remembered the martyrs of Kargil War who laid their lives 19 years ago while protecting the boundaries of the country. He congratulated the administration, faculty, students and other supporting staff of the University for their untiring efforts in attaining the first rank amongst all State Agricultural Universities and third position amongst all ICAR institutes in the country for the year 2016-17.

Dr. Nanda also congratulated the students and staff for getting overall Runner's Trophy in All India Inter- Agricultural Universities Youth Festival. He appreciated the efforts of the Directorate of Extension Education for securing 3rd position at National Level under *Swachhta Pakhwara* Award by KVK, Tarn Taran.

Dr. Nanda reiterated that the scientists of the University must work with more zeal and motivated them to get other prestigious awards of ICAR and Fellowship of NAAS and other professional Societies to attain the new heights at National and International level.

Medicinal Plant Garden

To accomplish the objective of Green India Campaign, a plantation drive (Van Mahaotsav) was carried at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. Dr. A. S. Nanda, Vice Chancellor steered this by planting a sapling of a medicinal plant. The officer(s), Dean(s) and Director(s) of the University planted the saplings of different medicinal plants in the herbal garden.

Vice-Chancellor, Dr. A.S. Nanda planting the sapling

The ethno-veterinary medicines may prove economically viable resources for treating livestock disease(s) at the reduced cost and these may minimize the production and reproduction losses.

This initiative is one step further in the mission of GADVASU for working towards doubling the farmers' income. Commending the efforts made by the scientists of the University Dr. A. S. Nanda, who has been instrumental in developing collaboration with Central Council for Research in Ayurvedic Sciences, said that the medicinal plant garden would help to exploit the vast potential of indigenous plants not only for their use in therapeutic or preventive medicinal values viz-a-viz supporting farmers in general economically, to raise their living standards.

Canadian Professor visited the University

Dr. Jaswant Singh, Professor, Western College of Veterinary Medicine, University of Saskatchewan, Canada visited and worked from July to October 2018 in the GADVASU, Ludhiana under the collaborative research project of GADVASU and University of Saskatchewan to study estrus behaviour/kinetics of oocyte maturation & embryo production in water buffaloes.

Pangas Catfish Breeding

The University achieved success in breeding Pangas catfish in Punjab due to conducive climate for a period of 7-8 months between March/ April to October/November. It is an exotic fish without any intramuscular spines having high demand among Punjabis. It is a cold sensitive species, not able to survive below 20°C during winters. Hence, it is being reared in coastal states, where the temperature rarely falls to critical levels. Iced Pangas is transported form Andhra Pradesh to almost all northern states which sells like hot cakes in Punjab fish markets. It is a potential diversification species for enhancing aquaculture productivity by about 3 times, besides doubling farmer's income. The University had already standardized Pangas culture technology with an average productivity of 17 tons/hectare and giving net income of over 5 lakhs in just 6 months.

The University not only succeeded in developing 4 years brood stock of Pangas through technological interventions, including overwintering under poly house conditions, but also succeeded in breeding the fish in Punjab through induced breeding technology, under farmer participatory mode with progressive fish farmer, Ranjodh Singh of Village Nanokey, District Patiala. It is for the first time that breeding of Pangas has been successful in non-coastal northern region of the country. The breakthrough has opened new vistas of developing Pangas catfish hatcheries in Punjab, consequently availability of seed within the state will promote Pangas catfish culture on commercial scale.

Independence Day Celebrations

The University celebrated 72nd Independence Day with great zeal. Dr. A. S. Nanda, Vice-Chancellor, GADVASU unfurled the National Flag and inspected the 1st Pb. R & V squadron of NCC Cadets at the University campus. He paid rich tributes to all those who fought for country's freedom. In his address, the Vice-Chancellor said that the university scientists should come forward to save citizens from malnutrition by working for the objective of attaining nutritional security. Dr. Nanda emphasized that veterinarians should try to control the fatal diseases of livestock and animals and should strive to increase the farmers' income.

Envisioning the future targets, Dr. Nanda emphasized for imparting quality education and dissemination of knowledge/ technologies/ practices at farmer's door steps to enhance profitability from dairying, fisheries, piggery, poultry and goat farming.

An impressive enthralling musical and choreographed function was also organized by students of the University. The festivity was attended by officers of the University, Heads of Departments, faculty, staff and students.

Scientist attended International Symposium

Dr. Balwinder Kumar, Deputy Director (Training), Krishi Vigyan Kendra, Tarn Taran operational under the University attended the 5th International Zinc Symposium under the theme, "Improving Crop Production and Human Health," at The Irish College, Katholieke University of Leuven (KU), Leuven, Belgium. In symposium, Dr. Kumar presented his research work on "Bio-fortification of wheat grain with zinc by foliar zinc fertilization: Farmer's perspective". The research was carried out at farmer fields in Tarn Taran district as Front Line Demonstration in which input fertilizer was provided to the farmers and was guided to spray on wheat at heading stage. The work was collaborative in nature involving scientists from Punjab Agricultural University and ICAR-Agricultural Technology Application Research Institute (ATARI), Zone-1, Ludhiana. Based on the research quality and importance, the organizers of the event sponsored the visit of Dr. Kumar.

International meeting on Brucellosis Control

An international review meeting was held at the University to share the results of India-United Kingdom collaborative project on control of brucellosis funded by Department of Biotechnology India and Biotechnology and Biological Sciences Research Council (BBSRC) in the United Kingdom. Participants from the University, Royal Veterinary College, London; PGIMER Chandigarh; London School of Hygiene and Tropical Medicine; District Epidemiologist, Ludhiana; Department of Animal Husbandry Punjab; Punjab Dairy Development Board; Punjab Veterinary Vaccine Institute Ludhiana; Regional Disease Diagnostic Laboratory, Jalandhar; Verka Milk Plant, Ludhiana; University of Sydney, Australia and dairy farmers attended this event. The meeting was facilitated by Ms. Hannah Holt, Dr. Jasbir Bedi and Dr. Paviter Kaur. Dr. J.P.S. Gill, Director of Research at GADVASU summarized the key findings from the project and addressed the points highlighted in meeting. It was assured that the project team and delegates will continue to work in unison to tackle brucellosis in Punjab State.

International workshop on Extension Research Methodology

The University organized an International workshop on "Extension research methodology: From designing to publishing" in collaboration with PUM Netherlands Senior Experts. The University has a long association with PUM Netherlands and on the request of University, PUM deputed Willem Van Weperen to deliver talk on strengthening extension activities of the University. Dr J.P.S. Gill, Director Research of the University was the chief guest for inaugural session. Dr Gill revealed that the University has signed MoU with many international universities across the world and scientists from the university are actively working in various projects running in collaboration with these foreign universities. He further emphasized on necessity of accurate design, methodology and analysis of data for a good quality applied research in extension science. Dr A. S. Nanda, Vice-Chancellor said that the extension is the mouth piece of the university as it disseminates university technologies to the end users. Hence, the University focuses on strengthening and updation of extension regularly.

Willem Van Weperen, Senior expert in extension from PUM Netherlands deliberated on extension programme designing, situation analysis and documentation of extension experience. Dr Harish Kumar Verma, Director Extension Education also delivered talk on scenario of livestock sector, constraints and how integrated approach of various disciplines/ departments can prove vital in effective extension activities. A total of 45 participant(s) including 11 females from different colleges, outstations of the university attended and deliberated in the workshop and got benefitted.

Capacity Building of Field Veterinarians

Directorate of Extension Education of the University in collaboration with National Institute of Agricultural Extension Management (MANAGE), Hyderabad organized a National training program on "Breakthrough Technologies for Productivity Enhancement in Livestock Sector" from 21.07.2018 to 28.07.2018 for Vetrinary Officers/ Field functionaries. This was the first National level training program organized by the Veterinary University in collaboration with MANAGE. Total 31 Veterinarians/Field functionaries working in the Animal Husbandry Departments of Punjab, Uttar Pradesh, Himachal Pradesh and Madhya Pradesh, KVKs and Milkfed participated in the training program in which the technologies developed by the University were shared with the participants.

A training program namely 'Short term training on Ultrasound' in the Departments of Veterinary Surgery, Veterinary Gynaecology and Veterinary Medicine was conducted during 23 07.2018.to 27.07.2018 for Field Veterinarians of Punjab. The program provided valuable information and practical knowledge to the participants so that they can perform Ultrasonography in commonly encountered clinical situations in large as well as in small animals for providing pin-point diagnosis to the farmers for effective treatment.

Dr. A.S. Nanda, Vice-Chancellor appreciated the efforts of team of the Directorate of Extension Education for organizing National and state level sponsored training programs. The Vice-Chancellor said that such type of trainings are highly useful for the veterinarians/officers/field functionaries involved in clinical services and to transfer livestock technologies at field level.

Training on Pig Farming

The University organized training programmes on Pig Farming as a viable entrepreneurship. A total of 40 candidates participated in the training programme. The training provided wholesome package to the trainees encompassing information about breeds, feeding, management of piglets, boar, sow, vaccination, disease prevention, economics, value addition, integration with other farming along with hands on training for handling and measuring body parameters.

Training on Fish Farming

College of Fisheries of the University organized a five day training programme on "Fish Farming". A total 35 participants including 3 women participants from different districts of Punjab and Haryana attended the training. The participants were given insights into the technical knowhow for fish farming practices including pond preparation, stocking and post-stocking management with special reference to water quality and health management, fish feed formulation, feeding strategies, fish processing etc.

Specialized lectures and demonstration(s) with respect to pangas culture, inland saline water aquaculture, ornamental fish culture, *Azolla* culture and integrated fish farming with livestock and agriculture were also delivered during the stipulated training programme. Visit to the fish farms of the progressive fish farmer(s) along with modern fish market, Ludhiana were arranged for honing the practical knowledge of the participants.

Summer School in Biostatistics

Department of Animal Genetics and Breeding, organized a 21 days ICAR Sponsored Summer School under the theme "Applied Aspects of Statistical Modelling and Inferences in Veterinary and Animal Sciences". A total of 21 participants including 07 female participants from different states of India attended the training programme.

In addition to an admix of theory and practical lectures, other diversified activities during the course included demonstration(s) of data recording at University Dairy Farm, University Veterinary Clinics, College of Dairy Science and Technology and other departments of the University was shown. Dr. Jaswant Singh, a visiting professor from the University of Saskatchewan, Canada demonstrated the application of statistical tools in the field of animal reproduction. The proceedings of the training programme were provided to the participants in the form of e-copy and compendium of Lecture(s). The participants expressed their gratitude and appreciation to ICAR and the University for organizing this training for providing them in depth knowledge on biostatistics.

Surgical skill enhancement

The Department of Veterinary Surgery and Radiology is serving as Centre of Advanced Faculty Training (CAFT), ICAR since 1994. The department organized a training course on "Enhancing core and advanced competency skills in veterinary surgery, diagnostic imaging and anaesthesia" for the faculty from all over India from 11th September-1st October 2018. The 21 day training program was sponsored by Indian Council of Agricultural Research, New Delhi. Of 55 applicants, 24 faculty members belonging to 12 states and 18 institutions were selected for participation.

Training on Goat Farming

Directorate of Extension Education, GADVASU organized one week "Specialized Goat farming" training programme in the Department of Veterinary and Animal Husbandry Extension Education. Goat farming is getting momentum in the state as rural youth are showing keen interest in getting trained from the Veterinary University. A total of 42 trainees, including two women trainees from different parts of Punjab participated in the training programme. Technical knowledge on latest nutritional and health management; housing; effective first aid management; vaccination; deworming; breed improvement; value addition of milk; reproductive and seasonal management was provided. Trainees were also imparted theoretical, as well as practical know-how of goat rearing and hands-on-practice on recording basic vital parameters like rectal temperature, respiration rate; restrain; calculating age of goats with dentition, etc.

It is pertinent to mention here, that the University is providing training to farm women free of cost. A *Goat management cum reproduction calendar: A handy tool* has been developed by University as a ready reckoner for doing various operations and also keeping vigil on reproduction status by using this tool.

Vocational Training at KVK, Booh

Krishi Vigyan Kendra of GADVASU at Booh, Tarn Taran organized a seven days vocational training course at Patti (Tarn Taran). A group of 50 rural women received specialized training under the theme "Popularization of traditional embroidery of Punjab through different techniques".

Training on "Commercial Pig Farming"

Krishi Vigyan Kendra, Mohali of GADVASU organized one week vocational training on "Commercial Pig Farming" at its campus in Kurali. Eleven farmers took part in the training programme. The participants were given practical exposure on various breeds of pig, feeding management of different categories of pig, diseases of pig, record-keeping and economics of pig farm/ farming.

Meeting on Crop Residue Management

A meeting was held regarding crop residue management under a project on Promotion of agricultural mechanization and machinery for *in-situ* management of crop residue at Krishi Vigyan Kendra, Booh, Tarn Taran. The meeting was attended by scientists from the KVK and 65 secretaries of co-operative societies of Tehsil Patti, (Tarn Taran). Dr. Balwinder Kumar, Deputy Director (Training) of KVK expressed concern about deterioration of environment due to paddy straw burning and requested the participants/ media to convey this message to every farmer "not to burn the crop residues."

Kisan Goshthi on Crop Residue Management

KVK, S.A.S. Nagar (Mohali) organised Kisan Goshthi in adopted village Badanpur under Central Sector Scheme on 'Promotion of Agricultural Mechanization for *In-Situ* Management of Crop Residue". Farmers were informed about various aspects of the scheme and the benefits which government is going to provide to the farmers for *in-situ* crop residue management. Farmers were made aware about use of machineries like Happy Seeder, Rotavator, Paddy Straw Chopper cum Spreader, mulcher and zero till. The farmers promised full cooperation to the KVK scientists about propagation of scheme and to make this scheme a great success.

Refresher Course on Organic Farming

KVK, S.A.S Nagar conducted one day refresher course for Agriculture Development Officers/ Horticulture Development Officers/Extension Functionaries on 'Organic Farming'. Twenty one extension officials participated during this refresher course.

Training Programmes on Goat Farming

Krishi Vigyan Kendra, SAS Nagar (Mohali) organized one week vocational training on "Goat Farming" at its campus. Krishi Vigyan Kendra, Booh, Tarn Taran also organized a five day 'Off-Campus' Vocational Training Programme on 'Scientific Goat Farming' at village Dhunda, Chohla Sahib. Forty farmers, rural youths and farm women of Dhunda and adjoining villages participated in the training course. Scientific knowledge on various aspects of goat farming was provided to participants for skill development and self-entrepreneurship of farmers for their economic upliftment.

Crop Residue Management Awareness

KVK, SAS Nagar (Mohali) organized "Crop Residue Management Awareness Camp" at village Sahauran to develop the awareness among farmers for *In-situ* paddy straw management to protect soil fertility and create awareness about the clean environment. More than 30 farmers took part in the camp.

Farmer-Scientist Interface on Crop Residue Management

Krishi Vigyan Kendra, Booh, Tarn Taran of Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana organised a Farmer-Scientist interface on crop residue management under a project on "Promotion of Agricultural Mechanization and Machinery for *In- situ* Management of Crop Residue" at adopted village Jouneke. About 300 farmers participated in this programme.

Training on 'Scientific Fish Farming

KVK, Booh, Tarn Taran organized a vocational training programme on 'Scientific Fish Farming' at its Campus. Twenty Eight farmers belonging to different villages of District Tarn Taran participated in the training.

First Position in the State level Procession Contest

GADVASU achieved first position in Punjab State Inter-College Cultural Procession Competition organized by Punjab Art Council, Chandigarh. The Cultural Procession Competition was a part of five-day-long Punjab Kala Utsav hosted by Punjab Agricultural University, Ludhiana. A total of 11 teams participated in the contest.

The theme for the cultural procession was 'Sambho Dhiyo Putro Sambho, Dharti Paun te Paani; Naa Sambhe Taan Manavta di, ho Jau Khatam Kahani". In a bid to reduce the pollution caused by stubble burning, GADVASU cultural contingent of 30 students enacted their winning performance on the ongoing much debated topic. The winning team of GADVASU was felicitated by Dr. Baldev Singh Dhillon, Vice-Chancellor, Punjab Agricultural University, Ludhiana and the eminent Punjabi laureate Dr. Surjit Patar, Chairman, Punjab Arts Council along with the Chief Guest for the evening, Mr. Kahan Singh Pannu, Secretary, Agriculture and Farmers' Welfare and Dr. Nirmal Jaura, Director Youth Welfare, Panjab University, Chandigarh.

Dr A. S. Nanda, Vice-Chancellor, GADVASU lauded the students for their achievement and theatrical skills. He said such cultural competitions provide a pedestal to the youth to exhibit their hidden abilities and perform worthily and effectively.

Sports Day at Girls Hostel

The NCC Cadets of GADVASU carried out 'Swachchta hi Sewa' campaign. The campaign inaugurated at 1 Pb R&V SQN NCC, GADVASU, Ludhiana started on 15 September 2018 and concluded on October 2, 2018, the birth day of Sh. Mahatama Gandhi. During campaign, cadets carried out various activities viz, mass awareness rallies, nukkad nataks, cleaning of public places etc. The cadets also made the general public aware regarding the importance of cleanliness by making posters and displaying them at various public places. They also cleaned drains and statues of famous personalities in the vicinity. The cadets delivered Speech on the topic 'What can I do to clean my city', which was organised in order to listen the thought process of today's youth that what and how they think to clean their surroundings and environment. Lt. Col. D. S. Dalal, Officer commanding, 1 Pb R&V SQN NCC Ludhiana guided the cadets on all activities. Lt. Dr. Nittin Dev Singh, Associate NCC officer motivated the students to regularly carry out such activities.

Students take Veterinarian's Oath

The College of Veterinary Science, GADVASU held the Oath-Taking Ceremony of 87 passing out veterinarians including 30 girls of 2013 batch of Bachelor of Veterinary Science & Animal Husbandry. Dr. Narinder Singh Sharma, Controller of Examination administered the Veterinarian's Oath to the passing out graduates and extended his blessings for a bright and prosperous future of the students.