

RAJUVAS NEWSLETTER

April-June, 2012

Volume III

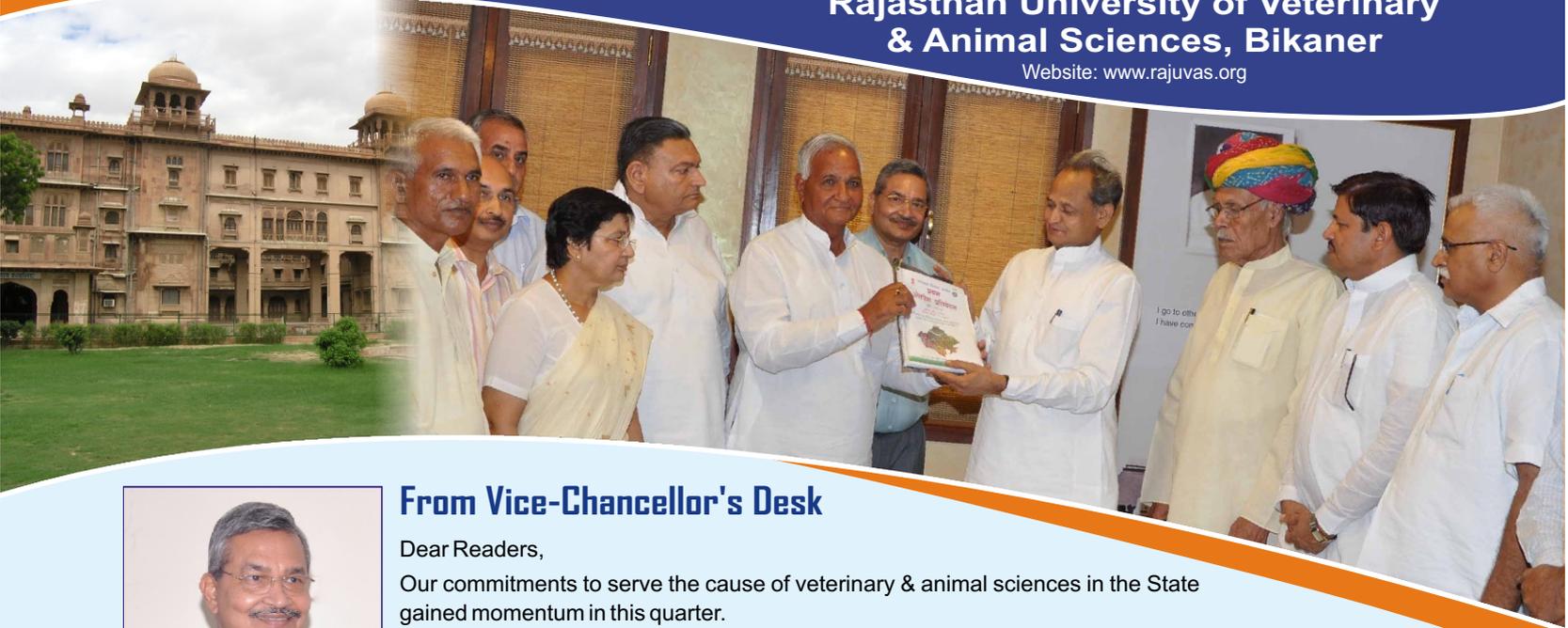
Issue II



पशुधनं नित्यं सर्वलोकोपकारकम्।

A publication of
**Rajasthan University of Veterinary
& Animal Sciences, Bikaner**

Website: www.rajuvas.org



From Vice-Chancellor's Desk

Dear Readers,

Our commitments to serve the cause of veterinary & animal sciences in the State gained momentum in this quarter.

We are proud to have opened first KVK of the University at Nohar (Hanumangarh). This KVK will be having a unique advantage at Nohar as its activities shall be very well supported by the Livestock Research Station and Animal Husbandry Diploma Programme, already running there. These two activities shall be complimentary to the activities of the KVK. Understanding the complexity of animal husbandry vocation and its catering needs, RAJUVAS is adding diversity in its efforts to resolve various issues related to animal health, quality & safe feed & fodder/milk, keeping animal owners and end users in view. The University shall be initiating ten new projects under RKVY in 2012-13. Upcoming Feed & Fodder Analysis & Milk Quality

Testing Laboratories will address problems in identification of obnoxious substances in these important input and output commodities, of course, to ensure milk and feed quality. Another milestone is the establishment of Veterinary University Training & Research Centers at each district, that would help penetrate RAJUVAS expertise & care to each animal owner. These centers would be best feedback resource to help, plan and execute our services regularly and in exigencies, especially in case of disasters and epidemics. Establishment of Sewan grass production unit at Kodamdesar, Beechwal and Chandan village will go a long way for sustainable fodder production, amply supported by fodder banking, complete feed technology and trainings. University has intensified efforts for establishment of HRD Centers at Navania-Vallabh Nagar (Udaipur), Jaipur and Jodhpur which shall provide enough skilled expertise in different areas of veterinary teaching/research/extension. Bioinformatics has come up as a big tool to store and exploit huge biological data for forecasting applications in biological/biotechnological systems. One such center is coming up at RAJUVAS, Bikaner. Green fodder production, throughout the year, is a challenge. RAJUVAS has taken up this challenge to address all the aspects of green fodder production through mechanics, i.e., Hydroponics Technology. After initial research and spade work, the end users shall be trained to use green fodder production machines. Second foundation day of RAJUVAS was celebrated on 18th & 19th May, 2012 with lot of fanfare and a document, 'Udaan Do Varsho Ki' was released at this occasion reflecting our achievements. I congratulate entire RAJUVAS family for their devotion and dedication, which could make the second year of RAJUVAS, a successful one. Financially RAJUVAS has made progress in leaps & bounds and budget for 2012-13 stands at around Rs. 84 crores, which may touch Rs.100 crores, an almost fourfold increase over 2010-11. As I expressed earlier, Road map up to 2017 is all set. What do we need now is manpower. Government sanctions are awaited and soon we expect to roll down the procedure of CAS & fresh recruitments.

One thing is sure; we shall be able to come true to our commitment to act as a *catalyst* to the animal husbandry sector of the state.


(A. K. Gahlot)
Vice-Chancellor

What's New

University's First KVK to Focus on Animal Husbandry

RAJUVAS after its inception has received an approval for establishment of its first Krishi Vigyan Kendra (KVK) at Nohar town of Hanumangarh District from Indian Council of Agricultural Research (ICAR), New Delhi under Directorate of Extension Education. The Nohar KVK of the RAJUVAS will benefit the farmers, who have mostly opted for animal husbandry linked farming in the region. The ICAR has released Rs. 22.5 lacs this year for carrying on activities in the KVK. The University has allotted about 81 acres land for the KVK at Chak-27- NTR, LRS, Nohar campus where model farms, farm animals sheds, an administrative building and laboratories will be constructed in a phased manner. The main objectives of KVK are organizing short and long-term training courses in animal husbandry and other allied agricultural vocations with emphasis on "learning by doing" and organizing training programmes to keep extension personnel updated with emerging advances. In addition, it will organize "front line demonstrations" to generate production data and feedback information and to conduct "on-farm testing" of location-specific use systems. Major focus of this KVK will be on :

- ❖ Planning and conducting survey of the operational area to prepare a resource inventory with special reference to identify the training needs of the farming community.
- ❖ Compile all the relevant information regarding recommendations/packages of practices for the district to be meaningfully utilized in the training courses and the follow up of extension programmes.
- ❖ Plan and conduct production-oriented, need based short and long duration training programme, both on the campus, as well as in the villages for various targeted groups with priority on the weaker and poorer sections.
- ❖ Organize farm science clubs in rural schools to encourage the younger generation, a liking for and an interest in animal husbandry, agricultural and allied sciences and for scientific farming through supervised projects.
- ❖ To develop and maintain the campus farms and demonstration units on scientific lines and the facilities for providing work-experience to the trainees as well as dissemination of latest technical knowledge.
- ❖ Provide practical training facilities of the Kendras to the teachers and the students of vocational agriculture of higher secondary schools.
- ❖ Imparts some general education to rural illiterates and school dropouts, in order to make them good farmers and better citizens.
- ❖ Provide training facilities in home-making and nutrition education for rural community and extending to other important areas such as home crafts and cottage industries related to the rural development.

This KVK has started its functioning from 9th April 2012 in the premises of RWSRF, Division Nohar. ICAR, New Delhi as well as GOR had sanctioned for 16 new posts including 7 posts of teaching and 9 posts of non teaching.



Administrative Decisions

Third Meeting of Academic Council

Third meeting of Academic Council was held on 11th June, 2012 under the chairmanship of Hon'ble Vice-Chancellor Prof. A.K. Gahlot. In this meeting the proceeding and action taken report on the proceedings of last meeting were approved. New guidelines for affiliation of Private Veterinary Colleges and Institutions offering Diploma in Animal Husbandry were approved. Various key issues related to education were also discussed in the meeting.



Meeting of Finance Committee

The Finance Committee meeting of RAJUVAS was held on 11th June, 2012 under the chairmanship of Hon'ble Vice-Chancellor Prof. A.K. Gahlot. In this meeting the budget of 84 crores for the financial year 2012-13 was approved. In the year of its inception the University had a budget of Rs. 15.00 crores only and has progressed by leaps & bounds. For 2011-12 the budget was Rs. 61 crores, later revised to Rs. 68.00 crores almost four times of 2010-11 and for 2012-13 it has been estimated at Rs. 84.00 crores. It signifies the financial capacity in its adolescence. The University has been able to get a budget of Rs. 39.46 crores in the state plan and more than Rs. 40 crores budget under RKVY & ICAR projects. The University Development Fund is likely to add another Rs. 4.5 crores in the year 2012-13.

Sixth Meeting of BOM

Sixth meeting of Board of Management was held on 17th June, 2012 under the chairmanship of Hon'ble Vice-Chancellor Prof. A.K. Gahlot. In this meeting the proceeding and compliance report on the proceedings of last meeting were approved. The Hon'ble members reviewed all important orders issued by the University and approved them. In this meeting RAJUVAS Newsletter Volume-3 Issue-1 was released by the members of BOM. The BOM members had also visited the LRS, Kodamdesar and Emu Breeding Centre of the University.



Celebrations

RAJUVAS Foundation Day

“A Great Leap Forward”

Bikaner Campus:

On completion of two years of establishment of RAJUVAS, Bikaner a meeting of all Dean, Directors, Project In-charges and Head of Departments was organized by the University on 19th May, 2012 to review the physical and financial targets of the financial year 2011-12 and to set targets for the year 2012-13. In this meeting, the achievements of the University in the field of education, research and extension were presented as “Udaan do varsho ki”. Prof. A.K. Gahlot, Vice-Chancellor, RAJUVAS congratulated all the staff members on successful completion of two years of establishment and observed that the University has shown its potential and has made progress more than expected, in a short span of two years and expressed willingness to work diligently with special efforts for continuing the progress of University. In the meeting, information about progress and financial status in 2011-12 of all ongoing research projects of University was presented by Project In-charges and new guidelines were provided for the year 2012-13.

Jaipur Campus:

RAJUVAS Foundation Day was also celebrated at PGE-RCLHP, Jaipur on 18th May, 2012 under the chairmanship of Hon'ble Vice-Chancellor Prof. A.K. Gahlot. Dr. P.K. Mehrotra, Director, PGE-RCLHP, Jaipur briefed on the salient achievements of the campus in two years and ongoing activities of the Institute.



World Veterinary Day Celebration

WVD at CVAS, Bikaner

World Veterinary Day-2012 was celebrated on 28th April, 2012 by College of Veterinary and Animal Science, Bikaner in collaboration with National Research Centre on Camel, Bikaner. The office International Epizootics, Paris decided to celebrate this day as to combat antimicrobial resistance. On this day a quiz, debate and poster competitions on the theme of World Veterinary Day were organized for the students. Later a Seminar was also organized in which Dr. Ravindra Sharma, Professor, LLRUVAS, Hisar and Dr. Suchitra Saina, Sr. Scientist, NRCC, Bikaner were the keynote speakers. Dr. P.R. Jatkar, Director, Dr. Tanvir Malawat College of Biosciences, Bikaner was the Chief Guest and Dr. A.P. Vyas, Professor, Apollo Veterinary College, Jaipur and Dr. N.M. Singh, Joint Director, Department of Animal Husbandry were the Special Guests of the function. Dr. B.K. Beniwal, Dean, CVAS, Bikaner was the Chairman of the function. Dr. R.N. Kachwaha, DSW and Dr. Rakesh Mathur, ADSW also graced the occasion. Scientists from NRCC Bikaner, faculty of CVAS and students in large number actively participated in this event.



WVD at CVAS, Navania (Vallabh Nagar)

World Veterinary Day was also celebrated at CVAS, Navania, Vallabh Nagar, Udaipur on 28th April, 2012. On this occasion a “Pashupalak Sangosthi” was organized at Tarawat village of Vallabh Nagar tehsil on contribution of veterinarians in the development of farming community. Total 110 animal owners participated in the Sangosthi. 15 experts of the College were present on the occasion. Animal Health Camp was also organized on WVD at Tarawat village and 205 animals were treated for different ailments. Dr. R.K. Nagda, Dean, Dr. C.S. Vaishnava, Academic coordinator, Dr. S.K. Sharma, ADSW, Dr. Mitesh Gaur and Dr. M.L. Gurjar actively interacted with the animal owners.



World Environment Day Celebration

The World Environment Day-2012 was celebrated at PGE-RCLHP, Jaipur on 5th June, 2012. Staff members, PG and AHDP students actively participated in “Vichar Gosti”. This is first time that every participant expressed his/her views & each one promised to contribute towards the objectives. Dr. P.K. Mehrotra, Director, PGE-RCLHP appraised the importance of the day and shared on the contribution of veterinarians & paravets staff to minimize the environmental pollution around them.

Activities

Educational Excursion of Goat Rearers of RAJUVAS

The Central Institute of Research on Goats, Makhdoom organized Farm Innovators Day on 30th April, 2012. In this



programme 5 goat rearers from Marwari goat field unit, Bikaner and 6 goat rearers from Sirohi goat field unit, Vallabh Nagar, Udaipur participated. These farmers were provided information regarding goat nutrition and housing at CIRG. During the programme, the goat rearers from various states presented their suggestions and ideas for sustainable goat production in our country and problems related to goat rearing such as health, housing, breeding and animal nutrition were discussed. The main objective of programme was to share experiences and innovations of progressive and innovator farmers especially in the area of goat husbandry for the benefit of other farmers.

FLD'S Allotted to KVK, Nohar by ICAR, New Delhi

Various Field Level Demonstrations (FLD's) have been allotted by the Indian Council of Agricultural Research, New Delhi for newly established Krishi Vighyan Kendra, Nohar for the year 2012-13. These include a total of five units and five demonstrations on fisheries, five demonstrations on balanced diet with two units, 5 demonstrations each on Groundnut (Kharif) and Mustard (Rabi) covering two hectares of area for each FLD, 10 demonstrations of cluster bean in 5 hectares each, 20 demonstrations of cotton in 10 hectares area, 10 demonstrations of Fenugreek in 5 hectares area each, 10 demonstrations on farm implements, 10 demonstrations of Green gram and 10 of gram each covering five hectares of area.

MJFU Students visited PGE-RCLHP, Jaipur

A group of 30 students from Mahatma Jyotiba Rao Fule University, Jaipur visited PGE-RCLHP, Jaipur on 14th June, 2012 and participated in a one day training. Prof. A.K. Gahlot, Vice-Chancellor, RAJUVAS briefed them about various ongoing projects in University and Dr. P.K. Mehrotra, Director, PGE-RCLHP stressed upon animal disease diagnosis techniques to the students. Feed and fodder technology and various activities of the Institute were demonstrated by Dr. Sanjita Sharma, Associate Professor.

Germplasm Melioration

Four Tharparkar bulls were purchased from Central Cattle Breeding Farm, Suratgarh on 11th May, 2012 under RKVY project to avoid inbreeding in the herd at LRS, Chandan. Four cows and two heifers were purchased from native area of Tharparkar on 23rd June, 2012 under RKVY project. Twenty five Gir cattle were also purchased under RKVY project from their native tract of Gujrat for Gir Cattle Breeding Farm, CVAS, Navania, Vallabh Nagar.

Release of RAJUVAS Telephone Directory-2012

A telephone directory of RAJUVAS has been published by the Public Relation Cell of the University. This RAJUVAS Telephone Directory-2012 was released in the third meeting of Academic Council on 11th June, 2012 by members of Academic Council. In this Telephone Directory, information regarding Units and Departments of RAJUVAS, Animal Husbandry Department of State and Centre, ICAR, VCI, RSVC, Ministers and Secretaries of State related to Veterinary and Agriculture, State Veterinary Universities is provided. The efforts of Dr. R.K. Dhuria, Dr. R.N. Kachawa, and Swati Panwar have produced this valuable document.



Vice-Chancellor's Visits

GADVASU, Ludhiana

Vice-Chancellor Prof. A.K. Gahlot visited GADVASU, Ludhiana and held discussions with the Director Research-cum Dean PGS-Dr. S.N.S Randhawa, Director Extension Education-Dr. R.S. Sahota, DSW cum EO- Dr. S.P.S Sangha regarding 12th plan collaborative areas. Disease investigation, Mineral mapping and fish production in fresh and saline water have been found to be the areas of common interest, on which both the universities can collaborate. Prof. Gahlot also visited HF cattle and Murrah buffalo farms and Fishery center of the university. During interaction with the scientists, it was revealed that Western Rajasthan has ample scope of fresh as well as saline water fisheries. GADVASU has expertise in both the areas and shall be ready to extend it to RAJUVAS. Further, lot of work on fish processing has also been done at GADVASU, which can be utilized by RAJUVAS also. Prof. A.K. Gahlot also visited Model Duck-fish farming pond. GADVASU is ready to provide day old ducks to initiate a project at Bikaner. VC proposed for visit and expert advise by the GADVASU fish scientists to Bikaner so that RAJUVAS can also initiate fish production. Prof. Gahlot also took detailed information regarding electricity generation by biogas production and utilization of dairy waste for fish production and azola-fern production as animal fodder from dairy waste.



NCC Seminar at New Delhi

Prof. (Col.) A.K. Gahlot, Vice-Chancellor, RAJUVAS attended a National Seminar on Empowering tomorrow's leaders for nation building. The NCC training philosophy was organized by NCC at Manekshaw Center, New Delhi on 12th April, 2012. He has been invited by Lt. Gen. P.S. Bhalla, AVSM, DG, NCC. He is the only VC from Rajasthan who has been invited. Seminar was inaugurated by Sh. Kapil Sibbal, Minister for Human Resources Development, Information Technology & Communication and Dr. M.M. Pallam Raju, Minister of State for Defense. The aim of the seminar was to discuss the skills to be imbibed among NCC cadets in the new millennium and identify the methodology to be adopted by the trainers to impart critical lessons.

SKUAST, Srinagar

Prof. A.K. Gahlot, Vice-Chancellor, RAJUVAS attended the Special Meeting of the Vice-Chancellor at Sher-e Kashmir University of Agricultural Science and Technology, Srinagar (J&K) on 27th April, 2012 organized by Indian Agriculture University Association (IAUA).



Vice-Chancellor Prof. A.K. Gahlot holding the India's first cloned Pashmina goat, Noorie along with CVAS Alumni Dr. Salauddin Qureshi and Dr. Hilal M. Khan



VC, Prof. A.K. Gahlot discussing with Mr. Gulam Hassan Meer, Minister for Agriculture, J&K along with Dr. P. Murugesha Boopathi, VC, Tamilnadu Agricultural University and Dr. C.S. Chakrabarti, President, IAUA

Rajasthan Kisan Aayog Submitted First Interim Report

Rajasthan Kisan Aayog submitted its first interim report to Sh. Ashok Gehlot Hon'ble Chief Minister of Rajasthan at the CMO, Jaipur on 21st June 2012. Sh. Narayan Singh, President, Rajasthan Kisan Aayog along with worthy members of Aayog submitted its first interim report of the divisional conventions to the government for social and economic progress of farmers. Rajasthan Kisan Aayog is an open forum to address the problems of farmers. Farmers can present their problems and suggestions to the Commission. The Commission will act as a link between farmers and government to solve the burning problems and improve the economic conditions of farmers. Prof. A.K. Gahlot, Vice-Chancellor, RAJUVAS is the only VC from the state who has been nominated as member of Aayog by the Government. Sh. Harji Ram Burdak, Hon'ble Minister for Agriculture, Animal Husbandry and Fisheries, Sh. Gurmeet Singh, Hon'ble State Minister for Agriculture Marketing (Independent), Water Resources, Sh. Vinod Kumar Leelawai, Hon'ble State Minister for Rural Development & Panchayati Raj, Agriculture, Animal Husbandry and Fisheries and Sh. Murari Lal Meena, Hon'ble Minister for Technical Education-Agriculture (Independent) also graced the occasion.



New Projects/Schemes Sanctioned

Establishment of State Level Feed and Fodder Analysis Laboratory

An advance animal nutrition laboratory for complete analysis of feed and fodder of animals and formulation of economic balanced ration for animals for sustainable animal husbandry in the state will be established by RAJUVAS under RKVY. This laboratory will cater the need of entire state for the purpose of quality analysis of feed and fodder as well as consultation to various agencies and farmers. The packages of nutritional practices developed at the laboratory in general and specific to problem will be of great help for solving problems at mass level in the state. The



Animal Nutrition Laboratory existing at the College of Veterinary and Animal Science, Bikaner will be strengthened in five year programme by refurbishment of laboratory and incorporation of equipments which are not available so as to make the laboratory sufficient for carrying out all the analysis of feed and fodder including anti-nutritional and toxic factors. The various latest techniques using advance equipments will be standardized for quality and quantity analysis of feed and fodder as well as to judge the feed utilization efficiency by animals. The total outlay of the project is Rs. 535 lacs. Dr. Tribhuvan Sharma, Head, Department of Animal Nutrition, CVAS, Bikaner is Principal Investigator and Dr. R.K. Dhuria, Associate Professor, Department of Animal Nutrition is Co-PI in this project.

Establishment of High-End Milk Quality Testing Laboratory

A High-End Milk Quality Testing Laboratory at Jaipur will be established by RAJUVAS, Bikaner under RKVY Project. This

project is aimed to create a state of art facility for detection of various pollutants and adulterants in milk along with monitoring for quality of milk in terms of nutritional, microbiological value as well as presence of heavy metals and pesticides in milk. The laboratory will monitor various adulterants and environmental pollutants, heavy metals, antibiotic residues, pesticide residues, common adulterants and fake milk ingredients in milk to safeguard the human health. Capacity building will be developed for farmers, dairy workers, various stake holders, members of co-operative societies, officers from dairy department, animal husbandry, medical health, food & civil supplies etc. as well as line department for milk quality and safety. Capacity of reference centre for providing testing reports, expert opinion and consultancy on various emerging and re-emerging issues of milk quality, safety and public health will also be established. The total outlay of the project is Rs. 800 lacs. Dr. Sanjeeta Sharma, Associate Professor, Department of LPM, PGE-RCLHP, Jaipur is appointed as Principal Investigator for this project. Dr. Vishnu Sharma and Dr. D.S. Meena are appointed as Co-PI for this five year project.

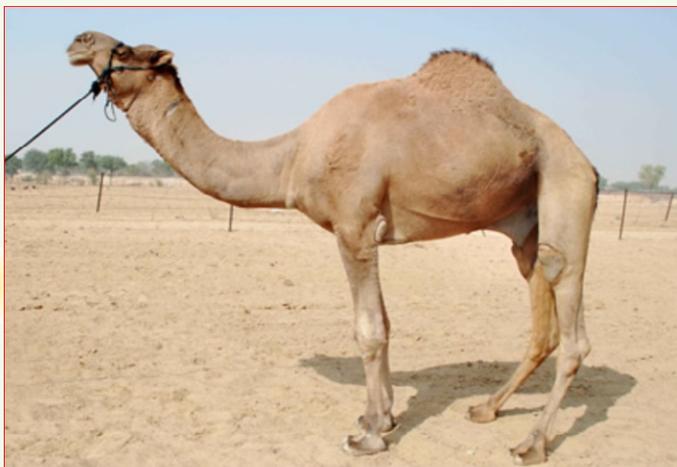
Establishment of Veterinary University Training and Research Centres at Selected Districts of Rajasthan

Realizing the superiority of livestock sector in Rajasthan in general and arid region in particular, multi dimensional efforts are required to be taken up to improve the contribution of this sector in raising the economic gains of rural masses to change the socio-economic scenario of the state. Keeping the facts in view RAJUVAS will establish Veterinary University Training and Research Centre (VUTRC) at district level under RKVY project having penetration up to each and every livestock owner of the state for enhancing animal productivity and profitability from livestock sector. The establishment of centre at district level will enable the dissemination of latest fruitful technologies at faster rate to the end users. Livestock owners will have a direct communication with scientist and extension workers not only to

solve their immediate problems but also to receive trainings and technologies. University will be able to formulate projects as per specific problems of local area and will be able to provide specific solution suitable to local conditions. The connectivity of all the centers established at district level through satellite communication system with University HQs, will facilitate not only solution to farmers by subject matter specialists but will also facilitate the audio-video conferencing. The total outlay of the project is 2070 lacs. Dr. C.K. Murdia, Director Extension Education, RAJUVAS, Bikaner is appointed as Principal Investigator for this three years project.

Data Base Generation and Documentation for Assessment of Occurrence of Various Diseases in Camel

RAJUVAS, Bikaner is accredited to have been the oldest and one of the most notified institutions in India regarding pathological studies in camel. There is paucity of information regarding the incidence and pathology of various affections in camel and still no systematic investigation has been carried out in this regard in



India and abroad. Hence it is need of the day to generate systematic information which could be used as reference for diagnosis of camel affections in future as documented for other species of domestic animals. Looking to the importance of this species in Rajasthan, a project under RKVY has been sanctioned to RAJUVAS, Bikaner in which Specific information on various affections of camel will be generated and documented. This will not only relieve the species from sufferings but will also help to improve economic status of farmer suffering from heavy economic losses due to mortality in working camel on account of lack of exact diagnosis of disease. Through this project, the diagnosis and treatment of camel will be facilitated in better manner. All camel keepers residing in state will be benefitted by the improvement in health status and working efficiency of camel. The total outlay of the project is Rs 250 lacs. Dr. Hemant Dadhich, Head, Department of Veterinary Pathology, CVAS, Bikaner is appointed as Principal Investigator and Dr. Sunita Rani, Dr. Indu Vyas and Dr. Manisha Mathur are appointed as Co-PI for this three years project.

Development of Sewan Grass with Fodder Conservation Units for Sustainable Livestock Production

The availability of fodder seeds of improved varieties may play a vital role in increasing the green fodder production which appears



to be essential for economic and sustained milk production. In this respect, to support the farmers under Rashtriya Krishi Vikas Yojna, RAJUVAS will start a project for assured and timely availability of healthy and high purity seed at reasonable rate. The University has about 100 hectare land at LRS, Beechwal, 200 hectare at LRS, Chandan with irrigation facility and 3000 hectare land at LRS, Kodamdesar, where with strengthening of farm, the fodder seed production and green fodder production activity could be taken up. Through this programme, seeds of new high yielding varieties will be available to large number of farmers for increasing green fodder production for livestock. Further, inclusion of concept of fodder banking and complete feed technology will ensure adequate nutrition to animals during scarcity i.e. during drought and will help us in the direction of drought proofing, which in turn will lead to increased milk production in the state. It is evident that this project could be a viable tool to give another push to the white revolution in the state. The total outlay of the project is Rs. 1820 lacs. Dr. V.K. Choudhary, Associate Professor, Department of LPM, CVAS, Bikaner is appointed Principal Investigator for this three years project and Dr. R.K. Singh, Dr. R.S. Pal, Dr. Tribhuvan Sharma and Dr. R.K. Dhuria are appointed Co-PI for this project.

Establishment of Human Resource Development Center of Veterinary & Animal Sciences

To address new challenges in teaching, research and extension in Veterinary & Animal Sciences including development of specialized human resource in the field of Veterinary & Animal Sciences a Human Resource Development center will be established at Jaipur and Jodhpur under RKVY project by RAJUVAS, Bikaner. The Center will act as a premier Veterinary institution of the state to develop skilled expertise in different areas of Veterinary & Animal sciences and pursue livestock owners/farmers need based research, extension and development activities. The main focal areas of this institute are to provide higher education (PG, Ph.D. & Post Doctorate) in various disciplines of Veterinary Science & Animal Husbandry. On campus and off campus Post Graduate diploma, certificate programmes will be conducted for skill development to promote entrepreneurship and business activities in livestock sector. This institute will act as a referral institute for diagnosis and treatment of sick animals and a platform to disseminate advance technologies to the farmers for enhancing livestock productivity. The total outlay of the project is Rs. 3400 lacs for Jodhpur Center and 3500 lacs for Jaipur Center. Dr. B.K. Beniwal, Faculty Chairman & Dean, CVAS, Bikaner is appointed Principal Investigator and Dr. N.R. Purohit and Dr. Rakesh Rao are appointed Co-PI of Jodhpur centre for this five years project. For Jaipur centre, Dr. P.K. Mehrotra, Director, PGE-RCLHP, Jaipur is appointed Principal Investigator and Dr. R.S. Choudhary, Dr. Vishnu Sharma, Dr. Sheela Choudhary, Dr. Sanjeeta Sharma and Dr. D.S. Meena are appointed Co-PI.

Establishment of Microbiological and Biotechnological Information System Network Centre

To provide insight in analyzing and organizing data related to biological complexity, to make an understanding of bioinformatics tools and softwares employed for data analysis which need to be applied in the research and development in Veterinary and Animal Sciences, a project has been sanctioned by GOR under RKVY to RAJUVAS, Bikaner. The objectives of this project is to strengthen strategies for integrating bioinformatics tools for data mining, application of bioinformatics tools in genomic, proteomic and metabolic research and development of computational systems i.e. biocomputing, machine learning, database designing and management and biostatistics. The Bioinformatics centre will help in generating intensive data related to microbial and animal resources specially pertaining to genomics and proteomics, analyzing system information which will be exceedingly useful in diagnosis and pinpointing genetic disorders as well as in establishing production related genomic systems aimed at enhancing animal production and solving health related problems. The total outlay of the project is Rs. 886.50 lacs. Dr. S.K. Kashyap, Head, Department of Veterinary Microbiology & Biotechnology, CVAS, Bikaner is appointed Principal Investigator and Dr. A.K. Kataria, Dr. B.N. Shringi and Dr. Sunil Meharchandani are appointed Co-PI for this five years project.

Establishment of Live Demonstration Models of Diversified Livestock Production Systems

The models of diversified animal husbandry systems will be established at RAJUVAS campuses at Bikaner, Vallabhnagar and Jaipur under RKVY project entitled "Establishment of Live Demonstration Models of Diversified Livestock Production Systems" sanctioned by GOR. Aquaculture, poultry, duck, guinea fowl, cattle, buffalo, camel, horses, donkeys, sheep, goat, rabbits, emu, backyard poultry, ornamental fish, pigs rearing as component of diversification along with fish and azola culture utilizing dairy waste, biogas, vermi-compost, biogas electricity production etc. will



be incorporated as components of diversified animal husbandry system. The establishment of diversified animal husbandry models will expose the farmers to possible diversification and will demonstrate the potential of livestock diversification as a means of improving house hold food security and stabilization of rural income. The total outlay of the project is Rs. 600 lacs. Dr. S.C. Goswami, Head Department of LPM, CVAS, Bikaner is appointed Principal Investigator for this five years project. Dr. Basant Bais and Dr C.S. Dhaka are appointed Co-PI.

Hydroponics Innovative Technology for Farmers Education

To impart knowledge to the farmers and the rural people regarding animal nutrition, highlighting the benefits of green fodder in improving the animal health & milk production and to demonstrate the benefits of hydroponics technology, a project has been sanctioned by GOR under RKVY to RAJUVAS, Bikaner. This project aims to undertake research projects for documenting the scientific validation of Hydroponics Green



Feed, to conduct farmer trainings on animal nutrition for improving health and milk production of livestock, to demonstrate the benefits of the technology to the farmers and to develop scientific data on the new technology. The total outlay of the project is Rs. 150 lacs. Dr. R.K. Dhuria, Associate Professor, Department of Animal Nutrition, CVAS, Bikaner is appointed as Principal Investigator and Dr. Tribhuvan Sharma and Dr. R.S. Arya are appointed as Co-PI for this project.

UGC Post Doctoral Fellowship for Women Granted to RAJUVAS

A project entitled "Scientific Evaluation and Validation of Anti-Obesity Properties of *Achyranthes aspera* and *Cissua quadrangularis*" and its use as a mean for self employment of tribal and rural women has been sanctioned to Dr. Tamna Talreja by UGC under Post Doctoral Fellowship for Women. This is the first UGC Post Doctoral Fellowship for Women granted to RAJUVAS after its establishment. The total outlay of the project is Rs. 25 lacs. The project will be carried out in the Department of Animal Nutrition, CVAS, Bikaner and Dr. Shekhar Bhargava, OSD to VC is the Project Supervisor.

Trainings Organized

Farmers Training

A one day farmers training programme was organized on Scientific Goat Rearing on 13th April, 2012 at CVAS, Navania, Vallabh Nagar, Udaipur in collaboration with BAIF, Udaipur. Total 22 goat rearers participated in the programme. Dr. R.K. Nagda, Dean, Dr. S.K. Sharma, Incharge, TVCC and Dr. Mitesh Gaur, PI, Buffalo Project delivered the lectures on breed improvement, health management and reproductive disorders, respectively. Dr. M.L. Gurjar, Farm Manager arranged the visit of farmers to goat unit of the college.



Student Participations

Educational Tour

Students of III Year B.V.Sc. & A.H., CVAS, Bikaner went on a weeklong Educational Tour from 6-11 April 2012 under the leadership of Dr. C.S. Dhaka, Instructor, CVAS, Bikaner. Students visited the Veterinary Institutes, Wild Life Sanctuaries of Udaipur, Chittorgarh, Bharatpur and Ranthambore Tiger project, Sawaimadhopur.



Students Achievements

Neomec Project Shiksha Scholarships

Neomec Education Scholarships 2011-12 were awarded to Richa Gaur and Sonia Sharma, students of CVAS, Bikaner by Intas Animal Health, Ahmadabad. Scholarship of Rs. 5000 with a certificate was given to students standing on top two positions in final year of B.V.Sc & A.H. Vice Chancellor Prof. A.K. Gahlot presented certificate and cash prize to Richa Gaur and Sonia Sharma.



Forthcoming Events

8th Biennial Conference on Animal Nutrition Research Strategies for Food Security at RAJUVAS

Rajasthan University of Veterinary & Animal Sciences, Bikaner is organizing 8th Biennial Conference on the theme of Animal Nutrition Research Strategies for Food Security in collaboration with Animal Nutrition Association (ANA) during 28-30 November 2012. The conference to be held over three days will comprise of key note address and theme papers, technical sessions and round table discussions covering relevant current aspects of animal nutrition research. The scientific committee of the ANAC 2012 invites all interested individuals to submit abstracts of research papers by September 30th, 2012 addressed to Dr. A.K. Pattanaik, Chief Editor, ANA Publications, CAFT in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar by e-mail at anaconference@gmail.com. Dr. Tribhuwan Sharma, Director, PME, RAJUVAS, Bikaner is Organizing Secretary and Dr. R.K. Dhuria, Associate Professor, CVAS, Bikaner is Co-Organizing Secretary of this conference.

Participation in Professional Activities

- Dr. R.K. Tanwar, Director Clinics, RAJUVAS participated in Interactive Session for finalization of annual work programme of National Institute of Animal Welfare (NIAW) on 19th April, 2012 at Ballabhgarh, Haryana.
- Dr. C. K. Murdia, Director Extension Education, RAJUVAS attended Annual Zonal Workshop for KVKs of Zone-VI held at Navsari Agricultural University, Navsari, Gujarat from 12 to 14 June 2012. Dr. Murdia also presented the progress report and tentative action plan for the year 2012-13 at this workshop for the newly established KVK at Nohar.
- Dr. Rakesh Mathur, Head, Department of Veterinary Anatomy attended one day Mid-Annual Convention of Indian Association of Veterinary Anatomists and Symposium on Innovative Methods of Teaching Veterinary Anatomy and Wild Life Anatomy on 4th May, 2012 at Bengaluru. He also attended the meeting of executive committee of the Indian Association of Veterinary Anatomists.
- Dr. Sanjeeta Sharma and Dr. Sheela Choudhary, Associate Professors, PGE-RCLHP, Jaipur attended Workshop on Flow Cytometry and Cell Sorting at Centre for Cellular and Molecular Biology and Indian Institute of Chemical Technology, Hyderabad from 11-12 May 2012.
- Dr. Devi Singh Rajput, Assistant Professor, CVAS, Navania participated in 21 days Summer School on Farmers Empowerment and Entrepreneurial Development through Livestock Farming organized by Department of LPM, IVRI, Izatnagar, Bareilly from 14th May to 3rd June, 2012.

Staff Accomplishments

• Dr. S.B.S. Yadav attended Meetings in different Institutions as Member of RAC

Dr. S.B.S. Yadav, Professor, Department of ABG, CVAS, Bikaner as member of Research Advisory Committee of CSWRI, Avikanagar attended its meeting during 20-21 April, 2012. Dr. Yadav being a member of RAC of National Research Centre on Equines, Bikaner also attended its meeting on 8th May, 2012. It is worthwhile to mention here that Dr. Yadav is also a member of RAC of Project Directorate on Cattle, Meerut.

• Dr. T.K. Gahlot Visited Estonia and Germany

International Association for Veterinary Editors (IAVE) invited Dr. T.K. Gahlot, Editor, Journal of Camel Practice and Research and Head, Department of Veterinary Surgery and Radiology, CVAS, Bikaner in its 9th annual meeting held at University of Technology, Tallinn, Estonia from 7-8 June 2012. Dr. Gahlot presented a paper on "Genesis and Impact of Journal of Camel Practice and Research". Dr. Gahlot also visited Ruminant Clinic of Ludwig Maximilians University, Munich (Germany) on 12th June 2012 and gave a lecture on Medicine and Surgery of Camelids to the students and faculty of this university. Dr. Gahlot showed them the over-view of biggest camel clinic of south Asia located at CVAS, Bikaner and its far-reaching services across the desert state.



• Dr. G.N. Purohit's Book Published by International Publisher

A book entitled "Domestic Animal Obstetrics" authored by Dr. G.N. Purohit, Associate Professor, Department of Obstetrics and Gynaecology, CVAS, Bikaner was published by Lambert Academic Publishers, Germany. An e-book on Bubaline Theriogenology authored by Dr. Purohit, has also been accepted to be published by International Veterinary Information Service, New York, USA.

Superannuation

Dr. P.D. Swami, Head, Department of Veterinary & Animal Husbandry Extension Education, CVAS, Bikaner and Member, Public Relation Cell, RAJUVAS had superannuated on 30th June, 2012.

Appointments



Dr. Anil Kumar Srivastava joined as OSD to Vice-Chancellor, RAJUVAS, Bikaner.



Dr. P.K. Mehrotra, Officer Incharge, PGE-RCLHP, Jaipur joined on the newly designated post of Director, PGE-RCLHP.

M.V.Sc. Awardees

Fifteen students were awarded provisional degree certificate of M.V.Sc. during 1st April to 30th June, 2012 by RAJUVAS. The University wishes them a bright future.

S. No.	Title of Thesis	Name of Department	Name of Advisor	Name of Student
1	Free radical scavengers and associated analytes in the serum of Marwari Goat during extreme ambiances	Veterinary Physiology	Dr. Nalini Kataria	Nidhi Pandey
2	Studies on Epidemiological, Haemato-biochemical and therapeutic efficacy on anthelmintic on gastrointestinal parasitism in Donkeys	Epidemiology & Preventive Veterinary Medicine	Dr. R.K. Tanwar	Lalit Kumar
3	Occurrence and pathology of Colibacillosis in Goats (<i>Capra hircus</i>)	Veterinary Pathology	Dr. Sunita Rani	Anuradha Gupta
4	Occurrence and Pathology of Dermatitis in domestic fowl (<i>Gallus domesticus</i>)	Veterinary Pathology	Dr. Hemant Dadhich	Savita Kumari Meena
5	Effect of feeding <i>Curcuma amada</i> and <i>Terminalia chebula</i> herbs as feed additive on nutrient utilization efficiency in Goats	Animal Nutrition	Dr. Tribhuvan Sharma	Sunil Kumar Bishnoi
6	Gross studies on the bones of vertebral column in Chital (<i>Axis axis</i>)	Veterinary Anatomy	Dr. Sanjeev Joshi	Vijay Kumar Meena
7	Effect of feeding herbal products as feed additive on nutrient utilization efficiency in Goats	Animal Nutrition	Dr. R.K. Dhuria	Monika Karnani
8	Occurrence and Pathology of colibacillosis in Buffalo (<i>Bubalus bubalis</i>)	Veterinary Pathology	Dr. Sunita Rani	Shesh Asopa
9	Studies on different methods of sire evaluation for growth traits in Marwari Sheep	Animal Breeding & Genetics	Dr. Urmila Pannu	Harvinder Singh
10	Phenotypic and Genotypic characterization of <i>Klebsiella pneumonia</i> isolated from Pneumonic Camels (<i>Camelus dromedarius</i>)	Veterinary Microbiology	Dr. B.N. Shringi	Sandeep Kumar Sharma
11	Clinico-therapeutic studies on Mastitis in cows	Clinical Veterinary Medicine	Dr. A.P. Singh	Sandhya Morwal
12	Genetic evaluation and improvement of economically important traits of Rathi cattle	Animal Breeding & Genetics	Dr. C.K. Murdia	Davendra Kumar
13	Clinico-haemato-Biochemical and therapeutic studies on theileriosis in calves	Clinical Veterinary Medicine	Dr. D.K. Bihani	Surender Kumar
14	Comparative study of Thiourea feeding and Potassium Iodide supplementation on the Blood Thyroid Hormone Profile in Marwari Goats (<i>Capra hircus</i>)	Veterinary Biochemistry	Dr. Meenaxi Sareen	Nirmala Meena
15	Clinical Studies on Canine Arrhythmias	Clinical Veterinary Medicine	Dr. Anil Ahuja	Priyanka

RAJUVAS in Headlines

नोहर में खुलेगा प्रथम कृषि विज्ञान केन्द्र

राजस्थान में प्रथम कृषि विज्ञान केन्द्र नोहर में 27 जून को उद्घाटित होगा।

राजस्थान में पशु रोग पूर्वानुमान

राजस्थान में पशु रोग पूर्वानुमान के लिए एक विशेष कार्यक्रम आयोजित किया गया।

वैटनरी वि.वि. बोम की बैठक

वैटनरी वि.वि. बोम की बैठक का आयोजन हुआ।

वैटनरी वि.वि. के विस्तार से शैक्षणिक पर्यटन को बढ़ावा मिलेगा: गहलोत

वैटनरी विश्वविद्यालय के विस्तार से शैक्षणिक पर्यटन को बढ़ावा मिलेगा, गहलोत ने कहा।

पशुओं के लिए वरदान सेवण घास

पशुओं के लिए वरदान सेवण घास का उत्पादन शुरू किया गया।

Emu farm opens in state

Emu farm in state has been inaugurated.

A database on 'sinking' ship of the desert

A database on 'sinking' ship of the desert has been created.

शैक्षणिक परिषद की तृतीय बैठक आज

शैक्षणिक परिषद की तृतीय बैठक आज होगी।

पशु खाद्य एवं चारा विश्लेषण प्रयोगशाला की होगी स्थापना

पशु खाद्य एवं चारा विश्लेषण प्रयोगशाला की स्थापना की जाएगी।

Bikaner varsity to prepare database on camel diseases

Bikaner varsity to prepare database on camel diseases.

वैटनरी विश्वविद्यालय की बैठक में लिए अहम फैसले

वैटनरी विश्वविद्यालय की बैठक में लिए अहम फैसले।

राजस्थान में सेवण घास उत्पादन व चारा संरक्षण इकाई स्थापित करेगा वैटनरी विश्वविद्यालय

राजस्थान में सेवण घास उत्पादन व चारा संरक्षण इकाई स्थापित करेगा वैटनरी विश्वविद्यालय।

विधिविध पशुधान उत्पादन प्रणाली से बढ़ेगी पशुपालकों की आय: गहलोत

विधिविध पशुधान उत्पादन प्रणाली से बढ़ेगी पशुपालकों की आय, गहलोत ने कहा।

कृषि विज्ञान केन्द्र नोहर में 15 नए पदों का सृजन

कृषि विज्ञान केन्द्र नोहर में 15 नए पदों का सृजन किया गया।

जयपुर में होगी मानव संसाधन विकास केन्द्र की स्थापना

जयपुर में होगी मानव संसाधन विकास केन्द्र की स्थापना।

पशु चिकित्सा विश्वविद्यालय ने किया है श्रेष्ठ प्रदर्शन: गहलोत

पशु चिकित्सा विश्वविद्यालय ने किया है श्रेष्ठ प्रदर्शन, गहलोत ने कहा।

सभी को मिलेगा प्रोटीन युक्त अच्छा दूध: प्रो. गहलोत

सभी को मिलेगा प्रोटीन युक्त अच्छा दूध, प्रो. गहलोत ने कहा।

जयपुर में होगी मानव संसाधन विकास केन्द्र की स्थापना

जयपुर में होगी मानव संसाधन विकास केन्द्र की स्थापना।

पशु चिकित्सा विश्वविद्यालय ने बनाई विशिष्ट पहचान

पशु चिकित्सा विश्वविद्यालय ने बनाई विशिष्ट पहचान।

प्रत्येक जिले में वैटनरी वि.वि. केन्द्र होगा

प्रत्येक जिले में वैटनरी वि.वि. केन्द्र होगा।

मानव संसाधन विकास केन्द्र स्थापित करेगा वैटनरी विश्वविद्यालय

मानव संसाधन विकास केन्द्र स्थापित करेगा वैटनरी विश्वविद्यालय।

Varsities to collaborate for fish production

Varsities to collaborate for fish production.

शुष्क क्षेत्र में सेवण घास उत्पादन व चारा संरक्षण इकाई

शुष्क क्षेत्र में सेवण घास उत्पादन व चारा संरक्षण इकाई।

मत्स्य उत्पादन के लिए लुधियाना से सहयोग लेगा वैटनरी विश्वविद्यालय

मत्स्य उत्पादन के लिए लुधियाना से सहयोग लेगा वैटनरी विश्वविद्यालय।

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