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From Vice-Chancellor's Desk

Dear Readers,

We continue to strive and find ways for attaining excellence in teaching, research, administration and extension for professional development of students and welfare of farming community. RAJUVAS has shown exceptional pace of its growth in a small span of almost eleven years and converting itself as multi-faculty university covering wider gamut of Veterinary and Animal Husbandry sector including dairy and food science technology. It's my pleasure to share my experience and efforts with you that University has prepared 'RAJUVAS Vision-2030' wherein efforts have been made to prepare a roadmap for almost next ten years keeping in view our strengths, comprehensive evaluation of the works done in the past and future needs and challenges. This vision document comprises of almost all the essential aspects of working policy and guidelines for teaching, research, extension and financial strengthening of University for furthering quality improvement in animal husbandry and veterinary profession in the state and to impact the rural masses with prosperity. The vision 2030 is an attempt to document future realistic goals to develop RAJUVAS as a leading higher

educational institution in the county and attain unique identity for generating quality human and knowledge resources.

Rajasthan is the only state in the country where more than half of the total income comes through animal husbandry and agriculture sector. State government has also given due importance to RAJUVAS for development of animal husbandry in the state. While considering all these facts and while keeping in mind the welfare of livestock owners, RAJUVAS has been conducting different skill development programmes for farmers, students and veterinary professionals through different trainings and research centres. The University regularly organized trainings and extension programmes for ensuring knowledge and skills of different stack-holders including livestock farmers. The Government has always been in support



of RAJUVAS while considering conservation and propagation of germ plasm of desi cattle breed. Sincere efforts will be made to transform all livestock research stations to become self-sufficient. Thus University takes pride in having seven different advanced state-funded research centres.

I am confident that RAJUVAS will attain greater heights of excellence nationally and internationally in days to come and significantly contribute in transforming livelihood resources of livestock owners for ensuring social improvement of farmers and livestock owners.

I wish you all a happy and prosperous New Year-2022.

(Satish K. Garg) Vice-Chancellor

University Activities

Courtesy Meeting with Hon'ble Governor of Rajasthan and Chancellor

Vice-Chancellor of RAJUVAS Prof. Satish K. Garg made a courtesy meeting with Hon'ble Governor and Chancellor of Rajasthan, Sh. Kalraj Mishra on 24th November, 2021 and apprised him about progress of teaching, research and extension activities of university. On this occasion Vice Chancellor Prof. Garg presented copies of two new publications of the university 'RAJUVAS Vision-2030' and 'Some Success Stories of Pashu Vigyan Kendras to Hon'ble Governor of Rajasthan.



International Congress of IAVP

38th International Congress of the Indian Association of Veterinary Pathologists on Progress in veterinary pathology for the diagnosis and control of emerging diseases in animals, wild animals and poultry organized from 17-19 December, 2021 through online mode. Prof. G.K Singh, Vice- Chancellor, DUVASU, Mathura as Chief Guest and Dr. B.N. Tripathi, DDG (Animal Science), ICAR, New Delhi expressed their views during conference. Prof. Satish K. Garg Vice-Chancellor, RAJUVAS as patron also graced the occasion. Secretary General Dr. K.P. Singh, Secretary ICVP, Dr. N. Pajanivel, Dr. Vipin Gupta as Guest of honour also gave speech. Dean, Prof. R.K



Singh delivered the welcome address. Prof. Hemant Dadhich was Organizing Secretary of the conference. During the eight sessions of the conference, 9 lead papers and 148 research paper reading and 150 posters were presented. A compendium of research papers was also released. Total 400 scientists, experts and students of national and international level were participated.

World Antimicrobial Awareness Week

World Antimicrobial Awareness Week was organized at CVAS, Navania, Udaipur on 24th November 2021. On this occasion, Dean Prof. R.K. Joshi informed that Theme of this year spread awareness, stop resistance' calls upon one health stakeholders, policy makers, health care providers and the general public to become conscious champions of antimicrobial resistance. It aims to raise awareness of antimicrobial resistance globally and encourage best policies among the general public, health workers and policy makers to avoid the emergence and spread of drug-resistant infections. In this episode of the programme, ADSW Dr. Mitesh Gaur and Dr. Deepak



Sharma and Dr. Abhishek Gaurav elaborated on the role of animals in antimicrobial resistance-causes and prevention. A quiz competition was organized by Dr. Rajesh Singhatia and Dr. Sudeep Solanki.

Workshop on Entrepreneurship Development by LIKES Centre, Jaipur

LIKES Centre of PGIVER, Jaipur organized a workshop on entrepreneurship development under National Agricultural Higher Education Project (NAHEP) in collaboration with Macmillan Education, India, Noida from 6-8 December, 2021. Trainers Mr. Sanjeeva Shivesh (Founder & CEO, The Entrepreneurship School, Gurgaon, Corporate trainer), Miss Garima Jain (Trainer, & Consultant, Jaipur) and Mr. Akshay Agrawal (Corporate Trainer & Motivational Speaker), delivered their lectures. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur in inaugural function said that students should not try to be employed but should think to give employment to others. Dr. Rashmi Singh and Dr. Ashok Baindha, Co-PI, LIKES Centre, Jaipur was the coordinators.



Animal Health Camp

One day animal health camp on animal health improvement and awareness of farmers was organized by VCC, CVAS, Navania, Udaipur on 6th December 2021 at village khokharvas of Udaipur district. The camp was organized under guidance of Dr. S.K. Sharma. Total 42 farmers and 281 livestock were benefitted. Dr. Sandhya Morwal, Dr. Kalpash Pargi and and Dr. Jagdish Das provided the clinical services in the camp.



Clinical Cases Conference

The first clinical cases conference on clinical approaches for health management of cattle, pet animals and wildlife was organized in online mode at RAJUVAS on 14th December, 2021. The conference was inaugurated by Prof. R.K Singh Dean of Veterinary College, Bikaner. Total 72 participants including graduates, interns, post graduates and Ph.D. students of all the three constituent colleges of RAJUVAS were participated and 42 participants presented clinical case reports. Dr. J.P. Kachhawa was organizing secretary.

Kisan and Pashupalak Mela-2021

Directorate of Extension Education, RAJUVAS, Bikaner organized one day Kisan and Pashupalak Mela at University campus on 24th December, 2021. Sh. Govind Ram Meghwal Hon'ble Cabnet Minister of Disaster Management and Relief Department, Govt of Rajasthan was Chief Guest, Prof. Satist K. Garg, Vice-Chancellor, RAJUVAS, Bikaner presided over the function, Prof. A.K. Gahlot, Founder and former Vice-Chancellor, RAJUVAS, Bikaner was the Special Guest, ICAR Institutes like NRCC, CSWRI, NRCE, CAZRI, CIAH, SKRAU, Modi Dairy, IFFCO, Vishwas Seeds, URMUL Dairy, URMUL Setu, NABARD and other line departments displayed their schmes and products in the fair. On this occasion,



the guests also inaugurated a folder "Prasar Shiksha main RAJUVAS ke Badhate Kadam" and a training manual on "Unnat Bakri Palan Evam Prabandhan. Dr. Pratishtha Sharma conducted the program. Farmers from nine blocks visited the mela in collaboration of PD, ATMA, Bikaner. This fair was broadcast live on the website of the university, which was seen and heard by thousands of people sitting at home. On this occasion, a Vichar Goshti was also organized for the livestock owners and farmers. Prof. R.K. Dhuria, Director Extension Education organized this mela.







38th Batch Meet of CVAS, Bikaner

38th Batch Meet of 1993 Bach of Veterinary College, Bikaner was organized on 25th December, 2021. The 25 alumni reached the college with their families and children and shared their old memories with each other. Addressing the inaugural session in the two-day Bach Meet,

Vice Chancellor Prof. Satish K. Garg said that it is a pleasant and golden feeling to meet classmates after years and to feel the change in the college and his profession. The professional and social welfare work done by the alumni in their field reflects the glimpse of their institution. The special guest, former Vice-Chancellor RAJUVAS Prof. A.K. Gahlot, President VCAA Dr. R.K. Tanwar, Dean CVAS, Bikaner Prof. R.K.Singh, Additional Director, Department of Animal Husbandry, Bikaner Dr. Hukmaram also expressed their views. The College teachers were also honored with shawl and shriphal by alumni. Dr. D.S. Meena, the Chairman of the batch meet coordinated the entire programme. Batch Meet President Dr. Suresh Kumar Jhirwal and Secretary Dr. Sunita Pareek thanked everyone.



Superannuation

- Prof. Sunita Rani, Professor and Head, Veterinary Pathology, CVAS, Bikaner has superannuated on 31st October, 2021.
- Mohd. Muzaffar, LDC, Registrar Office, RAJUVAS, Bikaner has superannuated on 31st October, 2021.
- Sh. G.S. Rajawat, Assistant Registrar, Registrar Office, RAJUVAS, Bikaner has superannuated on 31st December, 2021.
- Sh. Anil Kumar Mathur, UDC, LRS, Beechwal, RAJUVAS, Bikaner has superannuated on 31st December, 2021.









Administrative Meetings

25th Meeting of BOM

The 25th meeting of the Board of Management of RAJUVAS was held on 23rd October, 2021. The meeting was chaired by Vice-Chancellor Prof. Satish K. Garg. During the meeting important issues regarding subject-wise division of teaching posts of new colleges, re-appointment of retired employees on the vacant posts, process related to the services of Teaching Associates in more transparent and effective mode were discussed and approved. The members of the Board of Management thanked the State Government for the sanctioning of post and budget for the new Dairy and Food Technology Colleges at Bassi and Bikaner, Pashu Vigyan Kendra, Jobner and Veterinary College, Nawa under the RAJUVAS. The proceedings and action plan of the last meeting were approved as well as the proceedings of the previous meetings of the high power committee; academic council and finance



committee were also approved. Nominated member of the Board of Management, Khajuwala MLA Shri Govind Meghwal, founder and former Vice Chancellor of RAJUVAS, Prof. A.K. Gahlot, Dr. Amit Nain (Representative, VCI), Ranjit Singh (Educationist), Mrs. Krishna Solanki (Social Worker), Ashok Modi (Entrepreneur), Purkharam (Progressive farmer), Dr. Bharat Singh (Representative, RCDF), Dr. Syed Irshad (Representative, Director Fisheries), Dr. Virendra Netra (Representative, Secretary and Director, Animal Husbandry Department), Registrar Sh. Ajit Singh Rajawat, Dean Prof. R.K Singh and Director Research, Prof. Hemant Dadhich were present in the meeting.

Review Meeting of Livestock Research Stations

Review meeting of all Livestock Research Stations of RAJUVAS was organized under the Chairmanship of Vice-Chancellor Prof. Satish K. Garg on 21st October, 2021. The Vice-Chancellor Prof. Satish K. Garg directed to all the officer In-Charges to make proper use of available land, budget, and increase the production of fodder and productivity of animals through improved animal management. Instructions were given to promote artificial insemination by using the semen of improved indigenous bulls. In the meeting, Officer In-Charge of LRS Bikaner, Kodamdesar, Beechwal, Chandan, Nohar, Vallabhnagar, Bojunda, Dag and Sarmathura presented progress reports of their centers. In the meeting, Registrar Sh. Ajit Singh Rajawat, Comptroller Dr. Pratap Singh Poonia and Director Research Prof. Hemant Dadhich were present.



Review Meeting of Advanced Research Centers

Physical and financial review meeting of Advanced Research Centers of RAJUVAS was organized under the Chairmanship of Vice-Chancellor Prof. Satish K. Garg on 22nd October, 2021. Vice Chancellor directed the officers-in-charge of all the centers to make proper use of the budget funds released under various heads and each centre should work keeping in mind the specific objectives and special achievements at end of each year. Directions regarding patenting of technologies, vaccine manufacturing and development of disease diagnostic facilities were issued. Emphasis was given on focused and goal based research and technology transfer through these centers. The officer In-Charges presented progress reports in the meeting. Director Research Prof. Hemant Dadhich conducted the meeting and informed about the activities of advanced research centers.



Departmental Review Meeting

A review meeting of different departments of CVAS, Bikaner was conducted under the Chairmanship of Vice-Chancellor Prof. Satish K. Garg on 13th November, 2021. Various academic issues like courses completion of undergraduate and postgraduate students as per schedule, quality of teaching and research, setting up of a centralized instrumentation facility for proper use of the equipments, ranking of the university, proper utilization of budget, selection of students for higher studies in ICAR and other institutions, attendance of students, cleanliness and plantation in campus etc. were discussed and appropriate directions were issued. Dean Prof. R.K Singh coordinated the review meeting. All Heads and Incharges of different departments of CVAS, Bikaner was present in the meeting.



Academic and Research Review Meeting

Academic and research review meeting of all head of the departments and officers was held on 6th December, 2021. Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner directed all to follow the academic calendar of the university and emphasized to priorities the teaching and research quality making optimum use of the scientific resources available with the university. He also directed to all faculty members for publication of quality research papers and creation of accounts on important online platforms used for various rankings procedures.

Review Meeting of Affiliated Veterinary Colleges

A review meeting of affiliated veterinary colleges of RAJUVAS was organized on 18th November, 2021 under the Chairmanship of Vice-Chancellor Prof. Satish K.Garg. Vice Chancellor Prof. Garg said that the affiliated college is an important part of veterinary university. All the colleges should make continuous efforts to improve the quality of teaching environment and all round development of the students. In the meeting, along with academic quality, fees, admission, examinations and other administrative issues of the students were discussed. The Deans and Managers of Apollo College of Veterinary Medicine (Jaipur), Arawali Veterinary College (Sikar), MB Veterinary College (Dungarpur), MJF Veterinary College (Chomu) attended the meeting.

8th SAC Meeting of KVK, Nohar

8th Scientific Advisory Committee Meeting of KVK, Nohar, was organized under the Chairmanship of Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner on 25th October, 2021. In this meeting, annual progress report of KVK, Nohar was presented and annual action plan was discussed. Prof. R.K. Dhuria, Director Extension Education, Dr. H.S. Meena, PS, ATARI, Jodhpur, Prof. R.P.S. Chouhan, Zonal Director Research, Sriganganagar, Sh. Balveer Khati, Deputy Director ATMA, Hanumangarh, progressive farmer and women were present during the meeting. Dr. Manohar Sain as member secretary organized this meeting.





Staff Accomplishments

Dr. J.P. Dubey Young Scientist Award to Dr. Khatoon

Dr. Sanweer Khatoon, Assistant Professor and In-charge Department of Veterinary Parasitology, CVAS, Navania, Udaipur was awarded with Dr. J.P. Dubey Young Scientist Award during the 30th National Conference of IAAVP held from 14-16 December, 2021 at Parbhani (Nagpur).



IAVP Fellow Award to Prof. Dadhich

Prof. Hemant Dadhich, Director Research, RAJUVAS, Bikaner awarded with the Honorary Fellow of the Indian Association of Veterinary Pathologists for their outstanding contribution in the field of pathology during 38th International Congress of the Indian Association of Veterinary Pathologists organized by CVAS, Bikaner from 17-19 December, 2021on online mode.



Celebrations

Birth Anniversary of Mahatma Gandhi

152nd Birth Anniversary of Mahatma Gandhi was celebrated with full enthusiasm at CVAS, Bikaner. NSS volunteers contributed in cleanliness drive along with faculty members. Dean & Chairman Faculty Prof. R.K. Singh addressed the students present. ADSW Dr. Ashok Dangi and other faculty members were also present on the occasion. Incharge NSS Dr. Neeraj Sharma coordinated the event.

Egg Day

National online quiz competition and digital photograph on the occasion of world egg day for veterinary students was organized by Virbac Animal Health on 8th October, 2021. Mr. Shiv Kumar, student of CVAS, Bikaner stood Fourth in quiz competition all over India. Earlier in zonal round of quiz competition, students of CVAS, Bikaner Gyarsi Lal Yadav, Surabhi Dhaka and Satveer Mokharia grabbed first, second and third place respectively in West zone. Dr. Ashok Dangi, ADSW coordinated this event.



Vijay Diwas was celebrated on 16th December, 2021 at RAJUVAS, Bikaner campus to commemorate its victory over Pakistan in the 1971 war and pay homage to the brave soldiers. Camel safari by BSF soldiers was welcomed and riders were garlanded on this occasion. Dean & Chairman Faculty Prof. R.K. Singh welcomed the guests from BSF on this occasion. Dean, Directors of RAJUVAS and faculty members were also present.







Memorandum of Understanding

MOU with ICICI foundation

A MOU has been signed with ICICI Foundation, Mumbai on 27th October, 2021 for mutual cooperation and coordination for the employment and development of youth and farmers in the animal husbandry sector. Vice-Chancellor Prof. Satish K. Garg and ICICI Foundation, CEO Anuj Agarwal signed the agreement. On this occasion, Vice Chancellor Prof. Garg said that ICICI Foundation is doing remarkable job for the benefit of farmers and livestock owners in Udaipur region. The joint efforts of the foundation and RAJUVAS will definitely benefit the livestock owners and farmers. Dean, CVAS, Bikaner, Prof. R.K Singh, Dean, CVAS, Udaipur Prof. Rajeev Joshi, Director Research Prof. Hemant Dadhich, Director Extension Education Prof.



R. K. Dhuria, Director HRD Prof. B.N. Shringi, Dr. S.P. Joshi, Dr. Suresh Jhirwal, Dr. Rajesh Nehra, Dr. Deepak Sharma, ICICI Foundation's Zonal Head Sanjay Choudhary, Director ICICI Foundation, Udaipur Amar Dixit and Regional Head Bikaner Vikas were present on this occasion.

Vice-Chancellor's Visits

CVAS, Navania (Udaipur)

Vice-Chancellor Prof. S.K. Garg visited CVAS, Navania, Udaipur on 11th October, 2021 and reviewed different teaching, research and extension activities carried out at college. Dean, Prof. R.K. Joshi gave detailed information about different activities. Vice Chancellor Prof. Garg inspected all the departments and units and gave his suggestions for their strengthen during interaction with faculty.



Vice-Chancellor, RAJUVAS, Bikaner, Prof. Satish K. Garg, visited Pashu Vigyan Kendra, Avikanagar, Tonk on 20th November, 2021. On this occasion, Dr. S.K. Singh, Director, ICAR-ATARI, Jodhpur and Dr. A.K. Tomar, Director, CSWRI, Avikanagar were present. Milk analyzer machine for testing of milk samples at centre was inaugurated by Vice-Chancellor. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner apprised about the activities conducted by the Centre. A folder developed by the center was also released. Dr. Raghavendra Singh, Dr. Manohar Sain, Dr. Rajesh Saini and Dr. Narendra Choudhary along with staff were present.

Livestock Research Station, Dag, Jhalawar

Prof. Satish K. Garg Vice-Chancellor visited Livestock Research Station, Dag, Jhalawar on 9th October, 2021 and reviewed the different activities carried out for the up-gradation and conservation of Malvi cattle. On this occasion, MLA of Dug Sh. Kaluram ji and Dean, CVAS, Navania Prof. R.K. Joshi was present. The Vice-Chancellor also addressed the students of AHDP at LRS, Dug. The visit was conducted by Dr. Lokesh Gautam, officer Incharge, LRS, Dag.

LRS and PVK, Bojunda, Chittorgarh

Vice-Chancellor Prof. Satish K. Garg visited LRS and Pashu Vigyan Kendra Bojunda, Chittorgarh on 10th October, 2021 and inspected Sirohi Goat Breeding Farm, Agricultural Farm, and provided necessary guidelines for the smooth functioning of these centers. Dean Prof. Rajeev Kumar Joshi was present during the visit. In-charge PVK Dr. Mukesh Kumar Sharma and In-charge LRS Dr. M.L. Gurjar briefed about different activities conducted at the centers.









University Social Responsibility

Cleanliness Drive

A Cleanliness drive was organized in campus of Gram Panchyat Bhawan at Jaimalsar village under University Social Responsibility on 22nd October, 2021 and at Garhwala village on 27th October, 2021. Intern students actively participated in this drive programme. On this occasion villagers were motivated and made aware about hygienic measures. Programme officer NSS Dr. Neeraj Kumar Sharma coordinated the event.

Off Campus Training on Goat Farming

A training programme for skill development of farmers on "Unnat Bakri Palan Evum Prabandhan" was organized by Directorate Extension Education, RAJUVAS, Bikaner in coordination with Agricultural Technology Management Agency, Department of Agriculture, Bikaner from 20-21 October, 2021 at adopted village Garhwala and 22-23 October, 2021 at village Jaimalsar. Total 60 livestock owners of adopted villages were participated in these training programmes. Prof. R.K. Dhuria, Director Extension Education and Dr. Neeraj Kumar Sharma coordinated these trainings.

On Campus Skill Development Training on Goat Farming

A two days institutional training programme for skill development of farmers on Unnat Bakri Palan Evum Prabandhan was organized by Directorate of Extension Education, RAJUVAS, Bikaner in coordination with Project Director, ATMA, Deptt. of Agriculture, Bikaner from 15-16 December, 2021. Total 30 goat keepers of adopted village Garhwala were participated in the training programme.

Senior Citizen Health Camps

Senior Citizen Health Camps was organized on 29th and 30th November, 2021 at adopted village Jaimalsar and Garhwala by Directorate of Extension Education, RAJUVAS, Bikaner in coordination with Deptt. of *Ayurveda*, Bikaner. The camp was organized under the leadership of Dr. Rajendra Bishnoi of Deptt. of Ayurveda, Bikaner. Dr. Jitendra Singh made aware the senior citizens and villagers about seasonal diseases i.e. Dengue, Chickengunia, Maleria etc. Ninety one senior citizens and villagers were treated in the camp and made aware about the various schemes of Central and State Government. Dr. Neeraj Kumar Sharma, Coordinator, USR made all the necessary arrangements for organizing the camp.

Health cum COVID-19 Vaccination Camps

A health cum COVID-19 vaccination camp was organized on 30th December, 2021 at adopted village Jaimalsar and Garhwala under University Social Responsibility by Directorate of Extension Education, in coordination with Department of Medical, Health and Family Welfare, Bikaner. The camp was organized under the leadership of Dr. Dinesh Chandra Mundra, Incharge Primary Health Centre, Jaimalsar and Dr. Kuldeep Yadav, Incharge PHC, Kesardesar Jaatan. Dr. Neeraj Kumar Sharma, Coordinator, USR reported that 228 patients were treated in the camp. In the camp, 75 people got vaccinated against Corona with first dose and 100 with second dose.











Students Accomplishments

Doctoral Scholarship Estonia (UK) to Dr. Rohish Koda

Dr. Rohish Koda, student of CVAS, Bikaner got a full funded Ph.D scholarship from the prestigious Life Sciences University of Estonia (Europe). Dr. Rohit did his B.V.Sc & A.H from Veterinary College, Bikaner and Master degree in Animal Genetics and Breeding from GADVASU, Ludhiana.

Academic Excellence Awards to Three Students

Three students of RAJUVAS, Bikaner got academic excellence awards during general body meeting of Indian Dairy Association, Rajasthan State Chapter and Dr N.R Bhasin Memorial Award Function held on 23th October, 2021 at Jaipur. Mr. Vishal Yadav got Gold Medal and Mr. Keshav Gaur and Ms. Garima Rathore got Silver medal for their respective first and second merits in university merit list of final year examinations 2019-20.







Zonal Student Elocution Competition

Akhil Tiwari, Final year and Dipesh Dabi, third year student of CVAS, Bikaner represented university in Zonal Student Elocution competition for XV Agricultural Science Congress, conducted by SKNAU, Johner via online mode on 27th October, 2021. Theme of the elocution was Energy and Agriculture: Challenges in 21st Century. Dr. Ashok Dangi, ADSW coordinated this event.



Dignitaries' Visits

Peer Review Team Visit to RAJUVAS

CVAS, Bikaner

Four member peer review team of ICAR included former Ex. Vice-Chancellor of Assam Agricultural University, Jorhat, Dr. K.M. Bajarbaruah, Dr. M.K. Narayanan, Director Entrepreneurship, University of Veterinary and Animal Sciences, Kerala, Dr. Mandeep Sharma, Dean Veterinary College, Himachal Pradesh Agricultural University, Palampur, Dr. M.K. Agnihotri, Senior Scientist, Department of Education, ICAR inspected and review the different departments and units of RAJUVAS and CVAS, Bikaner from 3-5 December, 2021 for accreditation by ICAR. PRT members visited different departments and get detail information about equipments, veterinary diagnostic services, operation theaters of small and large animals and the treatment procedure of animals, library, state plan centers, hostels, livestock farms, etc. Vice-Chancellor Prof. Satish K Garg presented about different teaching, research and extension activities conducted by the RAJUVAS. Team members also interacted with teaching, non-teaching staff and students.



Dr. M.K. Narayanan, Director of Entrepreneurship, Kerala Veterinary and Animal Sciences University, Pookode, Wayanad, Kerala as Member of PRT of ICAR visited PGIVER, Jaipur on 1-2 December, 2021. He visited different departments and units of the institute and assessed various instruments and facilities available with them and interacted with the faculty members, non-teaching staffs and students of the institute. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur gave a brief presentation about achievements of the institute.

CVAS, Navania (Udaipur)

The PRT team members of ICAR Dr. K.M. Bujarbaruah Ex VC, AAU and Dr. M.K. Agnihotri, Senior Scientist, Department of Education, ICAR inspected the CVAS, Navania, Udaipur on 1st December 2021 and reviewed the various academic, research and extension facilities and activities present in the college. During this visit Vice-

Chancellor Prof. Satish Kumar Garg and Prof. R.K. Dhuria, Director Extension Education were also present. Dean Prof. R.K. Joshi made a detailed presentation of various achievements and activities of the college.







VCI Team Visits to RAJUVAS

CVAS Bikaner

A three-member team of VCI, New Delhi visited at CVAS Bikaner from 2-4 December, 2021 and inspected the facilities and resources available as per MSVE 2016. Dr. V.D. Ahir, Associate Dean, KNP, Veterinary College, Satara (Maharashtra) as chairperson with Dr. O.P. Malav, Assistant Professor, GADVASU, Ludhiana, Dr. R.K. Bhardwaj, Veterinary College, SKUAST, Jammu inspected all the departments, laboratories, equipments, staff rooms, lecture theater, VCC, LRS, library, auditorium.Dean Prof. R.K Singh provided detailed information to the team about the facilities available in the college.

PGIVER, Jaipur

A three member VCI team consisting of Prof. Archana Pathak, College of Veterinary Science & Animal Husbandry, DUVASU, Mathura, Dr. Virender Pathak, DGCN COVAS, CSK HPKV, Palampur, Himachal Pradesh and Dr. Vishal Sharma, College of Veterinary Science, LUVAS, Hisar inspected PGIVER from 2-4 December, 2021. The team members visited different departments and units of the institute and assessed various facilities available with them. They were accompanied during the visit by Prof. Sanjita Sharma, Dean, PGIVER, Jaipur.

CVAS, Navania (Udaipur)

A three member's team of Veterinary Council of India, New Delhi inspected the resources and facilities available in the college of Veterinary and Animal Science, Navania, Udaipur on 2-4 December 2021. The member of the VCI team was Dr. D.S. Nauriyal, Former Dean, CVS & AH, Anand, Gujarat, Dr. Nitin Markandey, Dean, CVAS, Parbhani, Maharashtra and Dr. Amit Poonia, Assistant Professor, Veterinary Anatomy, LUVAS Hisar. Dean Prof. R.K. Joshi gave a brief presentation of various facilities and resources of the college. The team inspected various units of the college, livestock farm premises, hostels, sports grounds.







New Assignments

- Prof. J.S. Mehta, Head, Department of Veterinary Gynecology and Obstetrics, CVAS, Bikaner took over the Additional Charge of Director Clinics, RAJUVAS on 30th October, 2021.
- Prof. A.P. Singh, Head, Department of Veterinary Medicine, CVAS, Bikaner took over the Additional Charge of Dean Post Graduate Studies, RAJUVAS on 30th October, 2021.





Capacity Building and Skill Development

Certificate Course on Wildlife Care and Management

A certificate course on Wildlife Care and Management was organized by the Center for Wildlife Management and Health Studies, RAJUVAS on hybrid mode for field vets and students. Vice-Chancellor Prof. Satish K. Garg released the practical manual of training and e-compendium of compilation of lectures and said that wildlife is an important part of biodiversity, so there is an urgent need for such skill training for their conservation. Course coordinator Dr. Sakar Palecha informed that 24 trainees from different states of the country were participated and a total of 40 lectures were presented by wildlife experts in 120-hour course from 27 July to 20 November, 2021.



Training under SC-SP by Surti Buffalo Project

A three-days training cum seminar was organized under Scheduled Caste Sub-Plan by Surti Buffalo Project at LRS, Vallabhnagar from 22-24 December, 2021. Dean Prof. Rajeev Kumar Joshi, Project Incharge Dr. Mitesh Gaur, OI, LRS Dr. Shiv kumar Sharma and Dr. R.K. Nagda informed the livestock owners about breed improvement and animal management. Total 100 scheduled caste cattle breeders were benefitted.



Training on Scientific Goat Management

Five days training camp on scientific goat management was organized under the joint aegis of CVAS Navania and Pradhan, Abu Road, from 27-31 December, 2021. While addressing the inaugural session, Vice-Chancellor Prof. Satish Kumar Garg said that goat farmers should take special care of five special things i.e. good breed, housing, breeding, management and health for goat rearing in a scientific way. Prof. Hemant Dadhich Director Research, Prof. Rajeev Kumar Joshi Dean and Sumit Kumar Nodal Officer, Pradhan NGO motivated goat farmers to participate more and more in such training camps. Dr. Heena Ashraf Waiz was coordinator of this training camp.



Training on Animal Waste Disposal

A one day training camp was organized on proper management and disposal of animal biomedical waste for Livestock Assistants of Department of Animal Husbandry on 16th December, 2021 by Animal Biomedical Waste Disposal Technical Center, RAJUVAS, Bikaner. Training programme was inaugurated by the Dean and Faculty Chairman Prof. R.K Singh. Additional Director, Animal Husbandry Department, Bikaner Dr. Hukma Ram, Deputy Director, Animal Husbandry Department Dr. Virendra Netra, Co-Pl of the center Dr. Deepika Dhuria, Dr. Manohar Sain and Dr. Mahendra Tanwar also addressed the participants. Dr. Rajni Joshi, Pl of Center organized this training.



Training of Airport Officials on Wildlife Studies and Health Management

A three days online training program was organized for airport officials by the Sub-Centre for Wildlife Studies and Health Management, CVAS, Navania, Udaipur from 23-25 December, 2021. More than 50 officials of Delhi, Mumbai airports including Udaipur, Jodhpur, Jaipur, Assam participated. Dr. Vinita Sharma from the University of Jammu and Kashmir told how to identify birds by feathers, Dr. Vipin Sharma from America told about the process of collecting samples scientifically and sending them to the laboratory after the birds collided with the plane. Dr. Mukesh Thakur, Scientist of Zoological Survey of India, Calcutta gave information about the identification of birds by DNA. Dr. Kamlesh Sharma from Jaipur apprised about the principle of physics behind the damage and effect caused by the birds colliding with the aircraft. Dean, Prof. R.K. Joshi and Dr. B.N. Shringi Director HRD, RAJUVAS, Bikaner interacted with participants. Dr. Hemant Joshi, Co-Investigator of the center described a new model in his lecture, which can be adopted to prevent accidents at airports in future.

Farmers Training on Disaster Management

Two days training of farmers under Agricultural Technology Management Agency (ATMA) project has been organized by CDMTA from 22-23 December, 2021. Total 30 farmers and livestock owners participated in this training. Dr. Praveen Bishnoi, PI delivered the information about impact of disasters on the animal behavior. Sh. Shailendra Singh and Dr. Sohel Mohammed delivered expert lectures.

RAJUVAS e-Pashupalak Choupal

Four RAJUVAS e-Pashupalak Choupal were organized by the Directorate Extension Education on 27th October, 2021, 10th November, 2021, 24th November, 2021 and 8th December, 2021 to provide online guidance and suggestion to the farmers. Dr. A.K. Tomer, Director, CSWRI, Avikanagar, Tonk, Dr. P.K. Singh, Former Principal Scientist, National Bureau of Animal Genetic Resources, Karnal, Dr. R.K. Sawal, Principal Scientist, ICAR-NRCC, Bikaner and Dr. B. Rai, Director, ICAR-CIRG, Makhdum provided their expert advice to farmers on scientific and economic management of animals for high production. Vice-Chancellor Prof. Satish K. Garg also interacted during the Choupal. The e-Pashupalak Choupal was broadcasted live on official facebook page of RAJUVAS and DEE, Bikaner on every second and fourth Wednesday of month. Prof. R.K. Dhuria, Director Extension Education conducted these Choupal.

Farmers Training by PVK and KVK

Pashu Vigyan Kendra, Suratgarh (Sriganganagar)

Pashu Vigyan Kendra, Suratgarh organized 12 online trainings, 3 Kisan Gosthi, 3 COVID-19 awareness campaigns, 6 on-campus training programmes under Agricultural Technology Management Agency and 3 on-campus training programmes under SC-SP of ICAR, New Delhi. Total 948 livestock farmers were benefitted. Dr. Rajkumar Bairwal, Assistant Professor, Dr. Anil Ghorela and Dr. Manish Kumar, Teaching Associates organized these trainings.

Pashu Vigyan Kendra, Lunkaransar (Bikaner)

Pashu Vigyan Kendra, Lunkaransar organized 11 online trainings, 2 COVID-19 awareness campaigns, 8 on & off campus training programmes under ATMA, 5 on-campus training programmes under SC-SP of ICAR, New Delhi and one farmer scientist interaction in collaboration with KVK, Lunkaransar and one special day celebration. Total 1102 livestock farmers were benefitted. Dr. Amit Kumar, Assistant Professor, Dr. Pramod Mohata and Dr. Bhanu Prakash, Teaching Associates organized these trainings.

Pashu Vigyan Kendra, Ratangarh (Churu)

Pashu Vigyan Kendra, Churu organized 16 online, 3 COVID-19 awareness campaigns, 7 on & off campus training programmes under ATMA, 2 on-campus training programmes under SC-SP of ICAR, New Delhi and one special day celebration. Total 805 livestock farmers were benefitted. Dr. Ashok Kumar, Assistant Professor and Dr. Vinay Kumar, Teaching Associate organized these trainings.

Pashu Vigyan Kendra, Kumher (Bharatpur)

Pashu Vigyan Kendra, Kumher (Bharatpur) organized 11 online, 2 COVID-19 awareness campaigns and 8 on & off campus training programmes under Agricultural Technology Management Agency. Total 516 livestock farmers were benefitted. Dr. Arun Kumar, Assistant Professor, Dr. Munesh Kumar Pushp and Dr. Rohit Kumar Tiwari, Teaching Associates organized these training programmes.

Pashu Vigyan Kendra, Bakalia (Nagaur)

Pashu Vigyan Kendra, Bakalia (Nagaur) organized 17 online, 2 COVID-19 Awareness Campaigns, 4 on & off campus training programmes under ATMA and 5 on-campus training programmes under Scheduled Caste Sub Plan of ICAR, New Delhi and benefitted 727 livestock farmers during this quarter. Dr. Mahendra Tanwar, Assistant Professor, Dr. Mahendra Pal Poonia and Dr. Gaurav Kumar Jain, Teaching Associates organized these training camps.

Pashu Vigyan Kendra, Sirohi

Pashu Vigyan Kendra, Sirohi organized 18 online, 3 COVID-19 Awareness Campaigns and 5 on & off campus training programmes under ATMA. Total 625 livestock farmers were benefitted. Dr. Sudeep Solanki, Assistant Professor, Dr. Deepak Gill and Dr. Narasi Ram Gurjar, Teaching Associates organized these training camps.

Pashu Vigyan Kendra, Dungarpur

Pashu Vigyan Kendra, Dungarpur organized 19 online, 2 COVID-19 awareness campaigns and 4 on-campus training programmes under Scheduled Caste Sub Plan (SC-SP) of ICAR, New Delhi. Total 612 livestock farmers were benefitted. Dr. Rajesh Singhatia, Assistant Professor and Dr. Virendra Singh, Teaching Associate organized these training programmes.

Pashu Vigyan Kendra, Kota

Pashu Vigyan Kendra, Kota organized 24 online, one COVID-19 awareness campaign and one on-campus training programme under SC-SP of ICAR, New Delhi and benefitted 788 livestock farmers. Dr. Atul Shankar Arora, Assistant Professor and Dr. Nikhil Shringi, Teaching Associate organized these training programmes.

Pashu Vigyan Kendra, Tonk

Pashu Vigyan Kendra, Tonk organized 21 online, 3 COVID-19 awareness campaigns, 3 on and off campus training programmes under ATMA, 2 on-campus training programmes under Scheduled Caste Sub Plan of ICAR, New Delhi and 3 special day celebration. Total 984 livestock farmers were benefitted. Dr. Madan Mohan Mali, Assistant Professor, Dr. Narendra Choudhary and Dr. Rajesh Saini, Teaching Associates organized these training programmes.

Pashu Vigyan Kendra, Dholpur

Pashu Vigyan Kendra, Dholpur organized 26 online, 5 COVID-19 awareness campaigns, 2 on-campus training programmes under SC-SP of ICAR, New Delhi and 1 special day celebration during this quarter. Total 820 livestock farmers were benefitted. Dr. Subhash Chand, Assistant Professor, Dr. Pradeep Pal Singh, Teaching Associate organized these training programmes.

Pashu Vigyan Kendra, Bojunda (Chittorgarh)

Pashu Vigyan Kendra, Bojunda (Chittorgarh) organized 12 online, 1 COVID-19 awareness campaigns, 6 on-campus training programmes under ATMA and 2 on-campus training programmes under SC-SP of ICAR, New Delhi during this quarter. Total 511 livestock farmers were benefitted. Dr. Mukesh Chand Sharma, Assistant Professor and Dr. Parmjeet, Teaching Associate organized these trainings.

Pashu Vigyan Kendra, Jodhpur

Pashu Vigyan Kendra, Jodhpur organized 22 online, 5 COVID-19 awareness campaigns, 3 on-campus training programmes under SC-SP of ICAR, New Delhi and 1 special day celebration and benefitted 873 livestock farmers during this quarter. Dr. Bhagat Singh Saini, Assistant Professor, Dr. Amit Kumar Chotiya and Dr. Manish Songara, Teaching Associates organized these trainings.

Pashu Vigyan Kendra, Jhunjhunu

Pashu Vigyan Kendra, Jhunjhunu organized 17 online, 6 COVID-19 awareness campaigns, 4 on-campus training programmes under Agricultural Technology Management Agency and 1 special day celebration. Total 719 livestock farmers were benefitted. Dr. Pramod Kumar, Assistant Professor, Dr. Sukhveer Singh and Dr. Vipin Chandra, Teaching Associates organized these trainings.

Pashu Vigyan Kendra, Jobner (Jaipur)

Pashu Vigyan Kendra, Jobner (Jaipur) organized 7 online and 2 oncampus training programmes under SC-SP of ICAR, New Delhi and benefitted 161 livestock farmers. Total were. Dr. Ashok Baindha, Assistant Professor and Dr. Shashi Choudhary, Teaching Associate organized these trainings.

Krishi Vigyan Kendra, Nohar

KVK, Nohar organized 7 on-campus training, 3 off-campus training and 7 Kisan Gosthi and 579 farmers were benefitted. Dr. Manohar Lal Sain, Assistant Professor, Mr. Bheiru Singh, Mr. Akshay Ghintala and Dr. Ramchander Tiwari organized these programmes.



Post-Graduates Research

Twenty-seven students completed their Post-Graduated research projects and awarded provisional degree certificates of M.V. Sc and Ph. D during 1st October to 31th December, 2021.

S. No.	Title of Thesis	Name of Department	Name of Advisor	Name of Student
1.	Histopathological and molecular detection of <i>clostridium</i> perfringens type enterotoxemia in Sheep (Ovis aries)	Veterinary Pathology	Dr. Hemant Dadhich	Renu (Ph.D.)
2.	Clonality and antimicrobial resistance mechanisms in enteric escherichia coli isolated from poultry at different age intervals	Animal Biotechnology	Dr. B.N. Shringi	Femina Anjum (Ph.D.)
3.	Study on different statistical models of lactation curve in Kankarej cattle	Animal Genetics and Breeding	Dr. Urmila Pannu	Vaishali Pareek
4.	Identification and molecular characterization of the genes targeting ribosomal binding protein UBP-1 and transcription factor p57 of <i>Trypanosoma evansi</i> isolated from Camel	Veterinary Parasitology	Dr. Abhishek Gupta	Vijayata (Ph.D.)
5.	Epidemiological studies on bovine cryptosporidiosis in North-Western Rajasthan.	Veterinary Parasitology	Dr. Abhishek Gupta	Monika (Ph.D.)
6.	Effect of season on biochemical and haematological profile in Murrah Buffalo	Veterinary Biochemistry	Dr. Barkha Gupta	Mohan Singh
7.	Effect of hot-humid and cold season on haematological and biochemical parameters in Murrah Buffalo	Veterinary Physiology	Dr. G.S. Gottam	Lalit Kumar Saini
8.	Comparative gross, histomorphological and histochemical studies on pancreas in White leghorn (<i>Gallus gallus domesticus</i>) and Guinea fowl (<i>Numida meleagris</i>) birds	Veterinary Anatomy & Histology	Dr. Balwant Meshram	Vinit Kumar
9.	Glutathione as a semen additive to improve Surti buffalo (Bubalus bubalis) bull semen cryopreservation	Animal Reproduction, Gynaecology & Obstetrics	Dr. Mitesh Gaur	Kailash Kumar
10.	Study of performance traits in Sirohi goat at farmer's flocks	Animal Genetics and Breeding	Dr. R.K. Nagda	Vishnu Kumar (Ph.D.)
11.	Occurrence and pathology of various conditions of intestine in Pig (Sus scrofa domesticus)	Veterinary Pathology	Dr. Shesh Asopa	Poonam Gupta
12.	Pathomorphological and enzymatic analysis in liver of buffalo (<i>Bubalus bubalis</i>)	Veterinary Pathology	Dr. Hemant Dadhich	Manish Kumar Mauriya
13.	Occurrence and pathology of various conditions of liver in Pig (Sus scrofa domesticus)	Veterinary Pathology	Dr. Sunita Rani	Deepak Kumar Pankaj
14.	Molecular characterization of bacillus cereus isolated from dairy products.	Veterinary Public Health	Dr. Abhishek Gaurav	Ridhima Mahadeva
15.	Studies on renal failure in dogs with special reference to biomarkers	Veterinary Clinical Medicine, Ethics & Jurisprudence	Dr. Dharm Singh Meena	Jitendra Bargujar (Ph.D.)
16.	Molecular characterization of Escherichia coli from diarrhoeic dogs in context of antibiotic resistance	Veterinary Microbiology	Dr. Sandeep Kumar Sharma	Ajay Kumar
17.	Effect of natural antioxidants on quality characteristics and shelf life of functional chicken sausage	Livestock Products Technology	Dr. Basant Bais	Parma Ram Gorachiya (Ph.D.)
18.	Studies on therapeutic potential of Nigella sativa (Kalonji) and Phyllanthus emblica (Amla) in bovine subclinical mastitis	Veterinary Clinical Medicine, Ethics & Jurisprudence	Dr. A.P. Singh	Sita Ram Gupta (Ph.D.)
19.	Effect of methanolic extract of <i>Moringa oleifera</i> leaves on seminal quality of Magra ram during cooled storage	Animal Reproduction, Gynaecology & Obstetrics	Dr. Chander Shekhar Sarswat	Krishna Kumar Sharma
20.	Genetics evaluation of Gir and Sahiwal bull for fertility trait	Animal Genetics & Breeding	Dr. P. C. Sharma	Rakesh Kumar
21.	Clinico-pathological and microbiological studies on diarrhoeic goats in Southern Rajasthan	Veterinary Pathology	Dr. Mamta Kumari	Ritesh Limbat
22.	Clinico-pathological and microbiological studies on diarrhoeic sheeps in Southern Rajasthan	Veterinary Pathology	Dr. Goverdhan Singh	Rahul Kumar Sharma
23.	Phenotypic and genotypic characterization of some bacteria isolated from female reproductive tract infection	Animal Biotechnology	Dr. B.N. Shringi	Pushpa Sharma (Ph.D.)
24.	Study on performance and welfare of cattle in gaushala in Arid region of Rajasthan	Livestock Production and Management	Dr. Rajni Arora	Vinod Kumar Bajiya
25.	Remodelling of metabolome in Marwari Goat from the Arid Tract of Rajasthan during extreme hot ambience	Veterinary Physiology	Dr. Ruchi Maan	Priyanka Tewari
26.	Assessment of raw milk in terms of microbial load and adulterants in Bikaner	Veterinary Public Health	Dr. Rajani Joshi	Ritu Sharma (Ph.D.)
27.	Seroprevalence and molecular detection of brucellosis in Camel and its public health significance in and around Bikaner	Veterinary Public Health	Dr. Rajani Joshi	Neharika Saxena (Ph.D.)

Students Activities

Annual NCC Training Camp

Five days annual NCC training camp of 2 Raj R&V NCC Regiment was conducted at CVAS, Navania, Udaipur on 11-15 October, 2021. The chief guest of the function was the Dean, Prof. Rajeev Kumar Joshi and was presided over by Col. E.N. Manoj, Commanding Officer 2 Raj R&V NCC Regiment Navania. In this camp, training was given to the students about drill, horse riding, horse management and weapons and the students were trained to inculcate the good habits learned during the training in life inspired to. During the training, debate, singing and poetry competitions were organized. The ranks to the students and certificates to the winners in various competitions were given by the Dean and Commanding Officer. All NCC employees including Dr. Sanveer Khatoon, Dr. Sunil Arora, Dr. Govardhan Singh ANO, Mr. R.D Meena, Mr. Pratap Sharma, JCO were present on the occasion.

Student's Awareness about SVEEP

Students were made aware about Citizen Vigil App which was under Systematic Voter Education and Electrol Participation (SVEEP) at CVAS, Navania, Udaipur. Students contributed by making very creative Rangoli on the theme Voting Awareness among common citizens". Prof. R.K. Joshi, Dean made the students aware about rights and duties of a voter and motivated more and more citizens to download. ADSW Dr. Mitesh Kumar Gaur and Dr. Tarunpreet arranged this



Skill Development in Animal Disease Diagnosis

A five days workshop on skill development in animal disease diagnosis was organized by CVAS, Navania, Udaipur from 17-21 December, 2021 under the LIKES Center. Dr. Bhupendra Bhardwaj, Additional Director, Animal Husbandry Department was the chief guest. The program was presided over by the Dean, Prof. R.K. Joshi. The special guest of the programme was Prof. R.K. Dhuria, Director Extension and PI NAHEP, RAJUVAS, Bikaner. Total 30 students of final year B.V.Sc. & A.H. were participated. The programme was coordinated by Dr. Deepak Sharma and Prof. S. K. Sharma.



Visit of Amul Dairy and NDDB

4th year students of CVAS, Navania, Udaipur visited Gujarat from 8-10 December, 2021 under the LIKES Center and visited Amul Dairy and NDDB. The tour was flagged off by Prof. R.K. Joshi, Dean, CVAS, Navania. student. Dr. Hakim M. Alam, Dr. Vikas Kumar Sharma and Dr. Karishma Rathore were leading this tour. Prof. S.K. Sharma, COPI, LIKES Center arranged this tour.



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Campus Placement Interview

Campus Placement interview was conducted on 13th December, 2021 at RAJUVAS main campus, Bikaner by HR Manager of Sangwan Poultry Farm, Haryana. Total 13 students were interviewed and on the basis of performance and academic records four students were selected for different category of posts. Dr. Suresh Kumar Jhirwal, Chief Placement Officer, RAJUVAS, Bikaner coordinated this.

Online Quiz Competition

A College level online quiz competition was conducted by Virbac Animal Health India Pvt. Ltd. The winners of the quiz competition were awarded certificates by Prof. Sanjita Sharma, Dean, PGIVER, Jaipur and representative from Virbac Animal Health India Pvt. Ltd.

Blood Donation Camp

A blood donation camp was organized in collaboration of Rajasthan State Bharat Scout and Guide, local chapter, Bikaner on 29th November, 2021. Total 80 units of blood were collected in this camp. Students of CVAS, Bikaner donated blood in this camp along with other volunteers. Incharge, NSS Dr. Neeraj Sharma coordinated the event.

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