

## Activities of Constituent Colleges and Institutes

### Inauguration of RAJUVAS Constitutional Park

Hon'ble Governor of Rajasthan Sh. Kalraj Mishra inaugurated the newly constructed constitutional park at RAJUVAS, Bikaner on 29 July, 2022. Hon'ble Governor Sh. Kalraj Mishra has said that the constitutional park will be helpful in strengthening the democratic faith in the young generation studying in the universities and will motivate the youth to perform their duties in the interest of the country by connecting with the national consciousness. Hon'ble Governor also inaugurated the Centre for Ethno Veterinary Practices and Alternative Medicines, Bikaner. Hon'ble Minister of Agriculture and Animal Husbandry Sh. Lalchand Kataria said that the state government is working with determination for the welfare of the farmers and animal herders. Vice-Chancellor Prof. Satish K. Garg informed about the progress of the university in the field of education, research and extension and expressed gratitude to the state government for increasing the internship allowance of the students and gifting two dairy colleges to the university. On this occasion, the Hon'ble Governor and Guests also inaugurated 'RAJUVAS Official Mobile App' and released the new issue of RAJUVAS News Letter and Drug Index book. In the ceremony, a mutual agreement (MoU) was signed between the RAJUVAS and Giriraj Industries, Firozabad on the transfer of technology of Thelaha disease herbal medicine prepared by the Centre for Ethno Veterinary Practices and Alternative Medicines. Principal Secretary to the Governor Mr. Subir Kumar and Founder Vice-Chancellor of RAJUVAS, Prof. A.K. Gahlot, OSD to Governor Sh. Govindram Jaiswal attended the function as guests. Mayor Bikaner Sushila Kanwar Rajpurohit, First Lady of the University Mrs. Manju Garg, Mrs. Aruna Gehlot, Vice-Chancellor of SKRAU, Bikaner Prof. R.P. Singh, Vice-Chancellor of MGSU Prof. V.K. Singh and Vice-Chancellor of Bikaner Technical University Prof. Ambarish Vidyarthi become witnesses of the function.



**Extra Curricular Activities of CVAS, Bikaner**

1. Newly constructed gymnasium was inaugurated on 04.04.2022 by Hon'ble Vice-Chancellor Prof. Satish Kumar Garg in university main campus at CVAS, Bikaner. Faculty members, students and officers of the university were also present on this occasion.



2. 131<sup>st</sup> death anniversary Dr B. R. Ambedkar was celebrated at RAJUVAS, Bikaner on 14.04.2022. Hon'ble Vice Chancellor Prof. Satish Kumar Garg garlanded the photograph along with other faculty members and officers of the university.



3. Ms. Melissa Bravo, Agriculture & Natural Resources County Agent III, Cooperative Extension of Salem County, Rutgers New Jersey Agricultural Experiment Station delivered expert lecture on "Effects of Toxic plants and pesticides on Animal Health: The Role of Veterinarian" on 18.04.2022. Faculty members and students interacted and got benefited.
4. 13<sup>th</sup> Foundation Day of RAJUVAS was celebrated on 18.05.2022. Prof. Satish Kumar Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner during his presidential address briefed about the progress made by university during last years. Prof. R. P. Singh, Hon'ble Vice-Chancellor, SKRAU, Bikaner and Prof. A. S. Vidhyarthi, Hon'ble Vice-Chancellor, Bikaner Technical University were Chief guests. All guests praised the efforts of RAJUAVS made in the direction of New Education Policy and appreciated the progress of the university in all fields. Debate and essay



competitions were conducted at main campus on this occasion on 17.05.2022. Winner students were given certificates during the main function. A blood donation camp was organized on this occasion. Students, faculty members and employees participated enthusiastically and total 75 units were collected at main campus Bikaner.

5. Founder and Chief administrator of Shree Gau Dham Pathmeda Swami Shree datt sharnanandji maharaj visited RAJUVAS on 24.05.2022 and praised the facilities available for the treatment of animal at RAJUVAS. He also visited LRS, Bikaner and admired the efforts being done for the preservation and propagation of Rathi and other indigenous breeds.
6. Dr. Y.P. Singh delivered a lecture on 04.05.2022 on the topic "Dental Prophylaxis, Client Communication and Education, Role of Nutrition in Dental Health" in a certificate course on 'Pet Animal Dentistry' organized by Department of Surgery and Radiology, CVAS, Bikaner under AINP-DMISCA (ICAR project).
7. 18<sup>th</sup> International Yoga Day was celebrated on 21<sup>st</sup> June, 2022. Vice-Chancellor Prof Satish Kumar Garg addressed the participants on this occasion and motivated students to adopt and follow yoga for their overall development and good health. Deans and Directors along with faculty members and students participated in the event and yoga expert conducted the common yoga protocol positions.



8. Dr. Suresh Kumar Jheerwal, Assistant Professor, Department of Surgery and Radiology, CVAS, Bikaner was elected as member of Rajasthan State Veterinary Council, Jaipur. Online elections were held from 20-22.06.2022 for four posts of members.



9. World Zoonosis Day was celebrated at College of Veterinary and Animal Science, Bikaner on 6<sup>th</sup> July 2022. On this occasion, a free Rabies vaccination camp was organized in collaboration with Mahaveer International Seva Sansthan, Bikaner. Total 32 dogs were vaccinated. A public awareness program was organized for the livestock farmers on this occasion. School children were made aware about the zoonotic diseases, preventive measure, health hygiene and cleanliness were explained to them by the ABMWDT, Bikaner.



10. Five days training was conducted by Department of Veterinary Surgery & Radiology, CVAS, Bikaner on "A Hands-on Orthopaedic Training on Use of Pinning and Plating Techniques in Small Animal (Pets)



Fracture Management" from 25-29 July 2022 under ICAR-AINP on DIMSCA. 20 participants from different states joined this training and benefitted.

11. Tiranga Rally was organized on 12.08.2022 by the faculty members and students to celebrate and motivate people for Azadi Ka Amrit Mahotsav. Prof. Satish K. Garg, Hon'ble Vice-Chancellor flagged off the rally. A large number of faculty members, staff members and students with holding tri colour flag on their vehicles participated in this event.



12. "Partition Horrors Remembrance Day" was organized on 14<sup>th</sup> August, 2022. A digital exhibition was displayed in the Conference Hall of Department of Animal Husbandry Extension Education. School children were invited to visit this exhibition. Hon'ble Vice-Chancellor Prof. Satish K. Garg inaugurated the exhibition.



13. 76<sup>th</sup> Independence Day' was celebrated with great enthusiasm at the main campus Bikaner. Vice-Chancellor Prof. Satish K. Garg hoisted the tricolour national flag. Staff members and faculty members were felicitated on this occasion for their outstanding





contribution in the field of teaching, research and extension along with Merit holder students. A short cultural programme was presented by staff and students of CVAS, Bikaner. After this a plantation drive was also held in campus, intensive tree plantation was done by the faculty members and staff in the university campus as per the directives of Hon'ble Governor of Rajasthan Sh. Kalraj Mishra.

14. Camel Rally, organized by BSF, was welcomed on 18.08.2022 as a part of Azadi Ka Amrit Mohotsav. Well decorated camels with riders visited the campus and Hon'ble Vice-Chancellor Prof. Satish K. Garg along with other staff members and students welcomed the rally.



15. Students Election were held peacefully on 26.08.2022 and result was declared on 27.08.2022 after counting of votes. Total 82.64 % votes were casted for various posts of Students Union of University and Veterinary Students Association of colleges.



16. Hindi Diwas was celebrated at CVAS, Bikaner on 14<sup>th</sup> September, 2022. Hindi essay writing, poetry competition, debate competition was organized under the direction of Prof. Praveen Bishnoi, Dr. Pratishtha



Sharma and Dr. Devi Singh. The programme was organized under the direction of ADSW Dr. Ashok Dangi. Winner students were also awarded with certificate.

17. World Rabies Day was celebrated on 28<sup>th</sup> September, 2022 at CVAS, Bikaner by Department of Clinical Veterinary Medicine in collaboration of Canine Welfare Society, Bikaner. A free Rabies vaccination-cum-health check-up camp was also organized on this occasion in which 32 dogs were vaccinated against rabies and rabies tokens were distributed to dog owners. Dr. J.P. Kachhawa, Secretary Canine Welfare Society, Bikaner organized this camp.



18. On the occasion of the 153<sup>rd</sup> birth anniversary of Mahatma Gandhi, the volunteers of NSS and teachers of CVAS, Bikaner performed Shramdaan on 2nd October, 2022. Vice Chancellor Prof. S.K. Garg planted a sapling of Karanj tree and inspired to adopt the ideals of Mahatma Gandhi and Lalbahadur Shastri in life and also told the importance of ideals like truth, non-violence, cleanliness, discipline and patriotism in student life. The officers, teachers and employees of the university were also present on the occasion and participated in tree plantation and cleanliness programme.



19. A five days training for field Veterinarians on fracture management by pinning and plating techniques in dogs was organized from 10-14 October, 2022 by the Department of Veterinary Surgery and Radiology, CVAS, Bikaner. Training Coordinator Prof. Praveen Bishnoi said total of 20 Veterinarians from 12 states of the country participated in this training and total of 10



lectures and practical demonstrations were given by the subject experts. The trainees were given training on the internal structure of the skeleton of dogs, knowledge of various orthopaedic instruments, different techniques of fracture management, bone plating, screw and pinning techniques etc.

20. Two awareness camp were organized by Animal Bio-medical Waste Disposal Technology Center, RAJUVAS, Bikaner on 10.11.2022 at Akashdeep Public School, Bikaner and on 30.11.2022 at Naveen Shiksha Niketan School, Bikaner. Students were made aware about the various types of bio-medical waste and their ways of proper disposal.



21. Government of India-sponsored training programme of Aapda Mitra Scheme was organized from 31st October to 11 November, 2022 at Animal Disaster Management Technology Centre RAJUVAS, Bikaner. The training was inaugurated by Deputy



Controller Civil Defense Bikaner Savina Bishnoi and Col. Hem Singh Shekhawat. PI of CDMTA Prof. Praveen Bishnoi said that in this 12-day training program, training was impacted by the experts of State Disaster Response Force (SDRF) and Veterinary University. The training includes 40 trainees belonging to NCC, NSS, Civil Defence Department.

22. Leadership program was organized on Monday by Heartfulness Institute at College of Veterinary and Animal Sciences, Bikaner. Addressing the inaugural session, Hon'ble Vice Chancellor Prof. Satish K. Garg said that the Corona period had brought our lives to a state of tension. Such meditation and meditation programs will not only reduce stress but also develop work consciousness, strong will and leadership qualities which will help in success in the life of the students. This program was held daily for two hours from 12<sup>th</sup> to 15<sup>th</sup> December for students as well as faculty members.



23. Animal Biomedical Waste Disposal Technology Center, Bikaner organized One-day training camp on the subject of proper management and disposal of animal bio-medical waste for 30 livestock assistants working at various veterinary hospitals and animals sub-centres of Bikaner and Chur district of Animal Husbandry Department on 22.12.2022.



24. Counselling process for admission in BVSc& AH degree courses (session 2022-23) on seats available in the constituent and affiliated veterinary colleges of RAJUVAS was completed on 22.12.2022.



25. A 12-day training program under the Government of India-sponsored training Aapda Mitra scheme was organised by Animal Disaster Management Technology Center from 13-24 December, 2022. 43 trainees belonging to National Cadet Corps, National Service Scheme, Civil Defence Department, Nehru Yuva Kendra were given training about various methods of rescue from various disasters like earthquake, flood, arson, building collapse. The trainers of the State Disaster Response Force (SDRF) and experts of the Animal Disaster Management Technology Center helped in the training work. After the training, certificates were given to the trainees.



26. 160<sup>th</sup> birth anniversary of Swami Vivekananda was celebrated as "राष्ट्रीय युवा दिवस" on 12<sup>th</sup> January, 2023 at Bikaner. Swami Sanwit Vimarshan and Giri Maharaj, Dean, Laleshwar Mahadev Mandir, Shivbari, Bikaner was the chief guest of the function. Dean/ Directors, staff members and students were present in the event and remembered Swami Vivekananda ji.



27. 74<sup>th</sup> Republic Day was celebrated with great fervour and gaiety on 26<sup>th</sup> January 2023 at University Campus, Bikaner. Hon'ble Vice Chancellor Prof. Satish K. Garg



- unfurled the national flag. The whole campus came alive with spirit of patriotism. University Merit Holder students were declared felicitated on this occasion. Cultural programme was presented by students and staff members of CVAS, Bikaner.
28. Animal Bio-Medical Waste Disposal Technology Centre, Bikaner organized a one awareness camp for school children on the subject of proper management and disposal of animal bio-medical waste in Bikaner Public School, Bikaner on 21.12.2022.



29. Counselling process for admission in B.V.Sc & AH degree courses (session 2022-23) on seats available in the constituent and affiliated veterinary colleges of RAJUVAS was completed on 31.01.2023.



30. Awareness programme on Road Safety and Road Accidents First Aid treatment and CPR (Cardio-pulmonary Resuscitation) was held on 01.02.2023 at College of Veterinary and Animal Science, Bikaner in collaboration with Indian Red Cross Society, Bikaner and Trauma Center, PBM Hospital, Bikaner. Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner presided over the function and Dr. B. L. Khajotia, Prof. & Head, Trauma Center, PBM



Hospital, Bikaner, Dr. Tanveer Malawat, Vice-President, Indian Red Cross Society, Bikaner and Dr. Surendra Poonia, DM Cardiology, Consultant Cardiologist were the expert speaker.

31. Awareness programme on Organ Donation was held on 03.02.2023 at College of Veterinary and Animal Science, Bikaner in collaboration with Indian Red Cross Society, Bikaner and Mohan Foundation, Jaipur. Dr. G arima Khatri, Assoc. Prof., SP Medical College, Bikaner and Dr. Tanveer Malawat, Vice-President, Indian Red Cross Society, Bikaner were the expert speaker. Painting and slogan writing competition on the theme of organ donation were also organized for the students.



32. A 12-day training program under the Government of India-sponsored training Aapda Mitra scheme was organised by Animal Disaster Management Technology Center from 10-22 February, 2023. 71 trainees belonging to National Cadet Corps, National Service Scheme, Civil Defence Department, Nehru Yuva Kendra were given training about various methods of rescue from various disasters like earthquake, flood, arson, building collapse. The trainers of the State



Disaster Response Force (SDRF) and experts of the Animal Disaster Management Technology Center helped in the training work. After the training, certificates were given to the trainees.

33. Newly renovated College Canteen at CVAS, Bikaner was inaugurated by Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner along with other Deans, Directors, Faculty members and students on 14.02.2023.



34. Animal Bio-Medical Waste Disposal Technology Center, Bikaner organized a one day awareness camp for livestock assistants working in Animal Husbandry Department at Hanumangarh and Ganganagar districts on the subject of proper management and disposal of animal bio-medical waste on 22.02.2023.



35. A session of "Music, Self-Realization and Meditation Programme" was held on 09.03.2023 at College of Veterinary and Animal Science, Bikaner in collaboration with H.H. Shri Mataji Nirmla Devi Sahaja Yoga Trust. Prof. Satish K. Garg, Hon'ble Vice-





Chancellor, RAJUVAS, Bikaner presided over the function and a team of foreign musical volunteers "Yog Dhara" presented musical programme and teach Sahaj Yoga in a simple way for the benefit of common people.

36. Girls studying in M.Sc. from MS college along with faculty of Botany Dept visited Dept of Animal Nutrition CVAS Bikaner under guidance of Dr. Dhuria and faculty.



#### Extra Curricular Activities of CVAS, Navania

1. Two days 22<sup>nd</sup> Indian Veterinary Congress and 29<sup>th</sup> Annual Conference and National Symposium of IAAVR was organised on 8<sup>th</sup>-9<sup>th</sup> April 2022. This National seminar was presided over by RAJUVAS Vice Chancellor, Prof. (Dr.) Satish K. Garg in which the chief guest was Dr. N.H. Kelawala, Vice Chancellor, Kamdhenu University Gandhinagar, Gujarat, special guest was Vallabh Nagar M.L.A. Smt. Preeti Shaktawat, Dr. Ashok Kumar, ADG (Animal Health) ICAR, New Delhi, Dr. A.K. Gehlot, former Vice Chancellor, RAJUVAS, Bikaner and other guests. Dr. S. N. Singh, President IAAVR and Dr. Risender Verma, Secretary IAAVR were also present. During this conference about 100 research papers were read and poster presentation was done in various scientific sessions in which about 450 scientists, animal husbandry experts, researchers and students from various colleges and industries across the country participated.



2. Ambedkar Jayanti was celebrated with great enthusiasm on 14<sup>th</sup> April 2022. Dean, Dr. Joshi



addressed that Ambedkar Sahab played an important role in the formation of the constitution of the country along with the independence of India. Dr. Manzer Alam and Dr. Bhagat Singh Saini also expressed their views.

3. World Veterinarian Day was celebrated on 30<sup>th</sup> April 2022. Prof. (Dr.) Shiv Kumar Sharma, while addressing the students and veterinarians highlighted the contribution of veterinary profession in the society. Discussing the theme of this year's World Veterinary Day "Strengthening of Veterinary Resilience", he stressed on the need for utility of flexibility of veterinary profession and called for further strengthening it. A lecture series on the effect of climate change on animal diseases was also organized.



4. The 13<sup>th</sup> Foundation Day of RAJUVAS was celebrated with gaiety on 18<sup>th</sup> May 2022. The chief guest of this program was Prof. (Dr.) N. S. Rathore, Vice Chancellor, MPUAT, Udaipur and special guest was Mr. Shrawan Singh Rathore, SDM Vallabh Nagar. Prof. (Dr.)







Rathore expressed his views on the 3W concepts of personality development in his speech. Various activities and competitions were organized on this occasion and winner students were awarded. On this auspicious occasion, a blood donation camp was also organized in the college in which the students along with the faculty members of the college participated enthusiastically & a total of 50 units of blood were collected during this period.

- World No Tobacco Day was celebrated on 31<sup>st</sup> May 2022 in College with the theme "Poisoning over Planet". On this occasion, the Dean Prof. (Dr.) R.K. Joshi addressed the students; about the ill-effects of tobacco. On this occasion, the students took a pledge not to consume tobacco themselves and to motivate the people in the society not to consume tobacco.



- On the Occasion of World Milk Day one day seminar on "Environmental nutrition and social and economic empowerment along with sustainability in dairy sector" was organized at CVAS, Navania, Vallabh Nagar, Udaipur on 1<sup>st</sup> June 2022. Lectures were given by the subject experts of the college on relevant topics. Students of the college, cattle farmers associated with the dairy sector of Vallabh Nagar region took part.



- World Yoga Day was celebrated on 21 June 2022. The theme of this year's Yoga Day was "Yoga for Humanity". During the program, Yoga Instructor Shri Rajesh Talk explained the importance of Yoga in human life and made the students of the college practice different types of Yogasanas and Pranayama. He said that doing yoga brings joy. Yoga is most effective for relieving stress and for peace of mind. Every person should do yoga for 1 to 2 hours daily.



- In collaboration with ICICI Bank at Navania, 35 women farmers of Udaipur district visited various units of the college, Livestock Farm and Livestock Farm Complex. During the training, women farmers got information related to animal health, clean milk production, dairy product processing, improved animal breed and veterinary medicine. On this occasion, the Prof. (Dr.) S. C. Goswami said that by adopting scientific management, animal owners can increase their income.



- World Zoonosis Day was celebrated at College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur on 6<sup>th</sup> July 2022. On this occasion, a public awareness program was organized for the villagers and livestock farmers in village Tarawat. The students of Government Upper Primary School of village Ranchodpura were told about various zoonotic diseases, health hygiene and cleanliness.



- A three days National Congress on Canine Practice and Symposium-on "Newer Concepts and Approaches in Small Animal Practice and Welfare"



and 18<sup>th</sup> Annual Convention of Indian Society for advanced canine Practice was organised during 22-24 September 2022. Chief Guest of the inauguration ceremony was Prof. N. K. Dakshinkar, Vice Chancellor, DSVCKDVV, Durg Guest of honour Prof. A. K. Gahlot, Founder and Former Vice Chancellor, RAJUVAS, Bikaner and Prof. S. K. Garg, Vice Chancellor, RAJUVAS, Bikaner was Chairperson of the inaugural function. About 300 Academicians researcher, Canine Practitioners, Industry People and Post Graduate Students of the country participated in the conference. The Secretary General of ISACP, Dr. A. K. Shrivastava read the annual report of the society. Society President Dr. Prathaban in his presidential address explained the importance of Canine medicine, animal welfare, biomedical research, entrepreneurship development in Indian perspective. The Guest of Honor of the program was Prof. A.K. Gahlot, Founder and Former Vice Chancellor, RAJUVAS, Bikaner emphasized the concept of super specialization in the canine practice. Prof. (Dr.) S. K. Garg, Vice Chancellor, RAJUVAS, Bikaner, in his presidential address, emphasized on recognizing non-descript breeds of dogs and also described preparing veg pet food as a challenge of today's time for animal nutritionist. The Chief guest of the conference was Prof. N. K. Dakshinkar, Vice Chancellor, DSVCKDVV, Durg.

11. World Snake Day was celebrated by the Center for Wildlife Management and Health Studies (Sub Center), Navania at CVAS, Navania, Vallabh Nagar, Udaipur on 16<sup>th</sup> July 2022.



12. The acting Dean, Dr. Sharma congratulated the faculty members, staff and students on Independence Day. On this occasion, the Dean, Dr. Rajeev Kumar Joshi was honoured for receiving Prof. Ram Raksha Kiran Shukla Award. Assistant Professor Dr. Tikam Goyal and Dr. Sanveer Khatoon of the college were honoured for receiving the Young Scientist Award.



13. Under the intensive plantation program at CVAS, Navania, Vallabh Nagar, Udaipur, about 500 saplings of different varieties like Neem, Gulmohar, Amaltash, Shisham, etc on 4<sup>th</sup> August 2022 were planted in the college premises by the faculty members, non-academic staff and students of the college.



14. Rajasthan Pre Veterinary test (RPVT) was conducted at 05 centers in Udaipur on 11 September 2022. Test was conducted at the examination centers following the Advisory completely by Observers and Assistant Observers that were appointed at University level by Chairman UG Admission 2022.
15. A special Task Force was formed at CVAS, Navania, Vallabh Nagar, Udaipur regarding the Lumpy Skin





Virus. The team was formed as per the instructions of Vallabh Nagar MLA Preeti Gajendra Singh Shaktawat.

- Under the skill development training program started by the Ministry of Rural Development, Government of India in collaboration with ICICI Bank, 30 women cattle breeders of Bhagal Gram Panchayat at Kholdi Jhalara, Udaipur of Hirawat took training on goat rearing and vermicompost at College of Veterinary and Animal Science, Navania Vallabh Nagar Udaipur on 16<sup>th</sup> July 2022.



- Students Union Election in the CVAS, Navania, Udaipur conducted on 26<sup>th</sup> August 2022. A total of 4 polling stations were set up for the Central Students Union and Veterinary Students Organization elections under the student union election in the college, where total of 444 voters, 382 voters exercised their franchise.



- The three-day International Conference of the Indian Association of Veterinary Anatomists was successfully held at CVAS, Navania, Udaipur (Venue- MPUAT, Udaipur) on the topic "Advancements in Anatomical



Studies: The Stepping Stone in Transforming Livestock and Wildlife Sector while Achieving the Global Sustainable Development." on dated 20-22 December 2022. Prof. (Dr.) S.K. Garg, Hon'ble Vice-Chancellor RAJUVAS, Bikaner in his presidential address shared the experiences of anatomy during his research period and explained the importance of anatomy in forensic science. More than 250 scientists, subject experts, field practitioners, research scholars and students belonging to various universities and research centres from the country and abroad participated in this conference and during the three days more than 100 Paper and poster were presented by subject experts in the 18 different sessions. Scientists were awarded various awards for their outstanding contribution in the field of anatomy and in different session for best paper and Poster presentation.

- Centre for Studies on Wildlife Management and Health (Sub-Centre) CVAS, Navania, Udaipur in collaboration with WWF-India (Udaipur) celebrated Wildlife Week-2022 from 01 to 07 October 2022 at CVAS Navania, Udaipur. Prof. (Dr.) R.K. Joshi, Dean, inaugurated the Wildlife Week with Plantation and Eco-Trail was organized by CO-PI, Centre Dr. Hemant Joshi with college students. During this Week Drawing Competition, Quiz competition and Treasure hunt competition was organized. The prizes and certificates were sponsored by WWF-India.



- Animal treatment camp was organized by VCC of CVAS, Navania, Udaipur at Village Bhatwar on dated 29 October 2022. A total of 120 animals were treated during the camp and a total of 15 farmers got benefited.
- One day training cum exposure visits of farmers sponsored by ICICI foundation organized at CVAS, Navania, Udaipur on dated 14<sup>th</sup> & 28<sup>th</sup> October 2022. A total number of 70 livestock farmers from Salumber and Mavli villages located in tribal or non-tribal area of Udaipur district visited the Azola unit, Biogas unit, Gir cattle, Surti buffalo, Sonadi sheep, Sirohi goat, poultry units, LRS and VCC of CVAS, Navania



during this period. On 05<sup>th</sup> & 21<sup>st</sup> October 2022 about 55 livestock farmers from Salumber villages located in tribal or non-tribal area of Udaipur district visited the campus.

22. Swami Vivekananda's 160<sup>th</sup> birth anniversary was celebrated as National Youth Day at Veterinary and Animal Science College, Navania, Vallabh Nagar, Udaipur on 12<sup>th</sup> January 2023, under the Amrit Mahotsav.



23. The 74<sup>th</sup> Republic Day was celebrated with great enthusiasm CVAS, Navania, Udaipur. Prof. (Dr.) Rajeev Kumar Joshi hoisted the flag and extended warm greetings to all the faculty members and staff. He mentioned that 27 students of college have been selected for PG (ICAR) studies and 10 students for Ph.D. in various prestigious higher educational institutions of the country.



24. A visit of dignitaries, Dr. T.K. Dutta, Director of CIRB, Hisar, Prof. Hemant Dadhich, Director Research, RAJUVAS, and Dr. Sanjay Kumar Senior



Scientist was undertaken at Network project on Buffalo improvement on 24<sup>th</sup> February 2023. Director Dr. T. K. Datta appreciated the quality level and progress of research and educational works of RAJUVAS. RAJUVAS is at the first place in the whole nation in the promotion and upgradation of Surti breed.

25. College canteen was inaugurated by the Dean Prof. (Dr.) Rajeev Kumar Joshi on 18 March 2023. Prof. (Dr.) Joshi said after the closure of the college canteen during the Corona period, keeping in view the demands of the students for a long time, canteen was re-opened for the benefits of students.



26. The office of student union was inaugurated by Prof. (Dr.) Rajeev Kumar Joshi, on 12<sup>th</sup> January 2023. Students Union President Khemchand, General Secretary Rishiraj Nagar, Joint Secretary and Treasurer Himanshu Agarwal were posted in the Student Union. On this occasion, All faculty members and students were present.



**Extra Curricular Activities of PGIVER, Jaipur**

1. PGIVER, Jaipur celebrated “Dr. B.R. Ambedkar Jayanti” on 14<sup>th</sup> April, 2022. Teaching and non-teaching staffs and students participated in this programme. Students presented deliberations on the life of Baba Sahab.



2. PGIVER, Jaipur celebrated “World Veterinary Day” on 30<sup>th</sup> April, 2022. Chief Guest Dr. Sudhir Bhandari, Hon'ble Vice Chancellor, Rajasthan University of Health Sciences, Jaipur, Guest of Honour Lt. Col. Sunil Garg, Executive Director, IOCL, Jaipur, Prof. (Dr.) Vishnu Sharma, Ex-Vice Chancellor, RAJUVAS, Bikaner, veterinary doctors of Department of Animal Husbandry and teaching and non-teaching staffs and students of the institute participated in this programme. A free anti-rabies vaccination and free health check up camp was also organized on this occasion.



3. PGIVER, Jaipur celebrated “13<sup>th</sup> Foundation Day of RAJUVAS” on 18<sup>th</sup> May, 2022. Chief Guest Justice Shri Gopal Krishan Vyas, Hon'ble Chairperson, Rajasthan State Human Rights Commission, Jaipur, Guest of Honour Prof. P.C. Trivedi, Ex-Vice Chancellor, Jai Narain Vyas University, Jodhpur, Prof. (Dr.)



Vishnu Sharma, Ex-Vice Chancellor, RAJUVAS, Bikaner, Prof. (Dr.) D.S. Meena, Dean, College of Dairy and Food Technology, Bassi, teaching and non-teaching staffs and students of the institute and College of Dairy and Food Technology, Bassi participated in this programme. Different cultural programmes like songs, solo dances, group dances etc. were presented by the students.

4. On the occasion of “World Milk Day”, different programmes were organized at PGIVER, Jaipur on 1<sup>st</sup> June, 2022. A National webinar on “Sustainability in the dairy sector, as well as environmental, nutritional and socioeconomic empowerment” was organized in collaboration with College of Dairy and Food Technology, Bassi.



5. “International Day of Yoga” was celebrated in the institute on 21<sup>st</sup> June, 2022. All teaching and non-teaching staffs and students of the institute practiced different Yoga and Pranayam under the guidance of instructors from Kalptaru Yoga Sansthan.



6. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner visited PGIVER, Jaipur on 25<sup>th</sup> June, 2022 to review the teaching, research and



extension activities of the institute. He interacted with the students to discuss about the progress of their academic activities and gave significant suggestions and directions for improvements in the various activities.

7. A plantation programme was organized at PGIVER, Jaipur on 4<sup>th</sup> August, 2022. All teaching staffs actively participated and planted different types of plants in the various parts of the institute premises.



8. Institute celebrated "Partition Horrors Remembrance Day" on 14<sup>th</sup> August, 2022. A digital exhibition was displayed in the Conference Hall of the institute. Person who suffered the tragedy of partition was also invited to share his feelings on this occasion.



9. "76<sup>th</sup> Independence Day Celebration" was organized on 15.08.2022 at PGIVER, Jaipur. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur hoisted the national flag and addressed the august gathering. Patriotic songs, poems and dance were presented by the students. Teaching and non-teaching staffs and students were felicitated for their excellent performance. A Plantation Drive was also organized on this occasion.



10. Student Union Election-2022 was conducted successfully at PGIVER, Jaipur on 26<sup>th</sup> August, 2022 & counting of votes was done on 27<sup>th</sup> August, 2022. The newly elected members of Student Union took oath from Prof. Sanjita Sharma, Dean, PGIVER, Jaipur.



11. Prof. Hemant Dadhich, Registrar, RAJUVAS, Bikaner visited PGIVER, Jaipur on 1<sup>st</sup> September, 2022. Prof. Sheela Choudhary, Dean, PGIVER, Jaipur welcomed him. He gave significant suggestions for improving teaching activities while interacting with the faculty.



12. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner visited PGIVER, Jaipur on 16<sup>th</sup> September, 2022 to review different activities of the institute. He interacted with the faculty and gave important technical inputs for getting research projects from various agencies.



13. On the occasion of "16<sup>th</sup> World Rabies Day", a seminar on "Awareness of society for rabies" was organized on 28<sup>th</sup> September, 2022 in the institute in which Dr. Sandeep Kumar Sharma delivered a power point presentation. World Rabies Day is celebrated with a



particular theme and this year's theme is "One health-zero death". A free general health check-up and rabies vaccination camp for animals was also organized in the Veterinary Clinical Complex of the institute. A total of 36 animals were examined and vaccinated against Rabies in this camp.

14. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner inaugurated the Office of the Veterinary Student Union at PGIVER, Jaipur on 10<sup>th</sup> October, 2022. He gave greetings to all the newly elected office bearers of the Veterinary Student Union in his address. Prof. Sheela Choudhary, Dean, PGIVER, Jaipur, teaching, non-teaching staffs and students of PGIVER, Jaipur participated in the event.



15. A Cleanliness Drive was organized at PGIVER, Jaipur on 18<sup>th</sup> October, 2022 as a part of the regular activities under Azadi Ka Amrit Mahotsav. All the workers engaged through Service Provider participated in this drive to clean the various parts of the institute premises.



16. On the occasion of 147<sup>th</sup> Birth Anniversary of Sardar Vallabh Bhai Patel, "National Unity Day" was celebrated on 31<sup>st</sup> October, 2022 at PGIVER, Jaipur as a part of the regular activities under Azadi Ka Amrit



Mahotsav. Run for Unity was organized in which a large number of teaching and non-teaching staffs and students participated and took National Unity Pledge.

17. PGIVER, Jaipur celebrated "11<sup>th</sup> Foundation Day" of the institute on 17<sup>th</sup> December, 2022. Chief Guest Dr. Bhawani Singh Rathore, Director, Department of Animal Husbandry (Govt. of Rajasthan) passed on good wishes to the gathering for the foundation day and prayed for the bright future of the institute in his address. Prof. (Dr.) Sheela Choudhary, briefly described the historical journey of the institute and discussed in detail about the progress made by the institute in the last ten years and the achievements made by the students. Dr. Tapes Mathur, Joint Director, Directorate of Gopalan (Govt. of Rajasthan), teaching and non-teaching staffs, alumni and students of the institute were present in the programme.



18. Canteen facility at PGIVER, Jaipur was inaugurated by Prof. Sheela Choudhary, Dean, PGIVER, Jaipur on 7<sup>th</sup> November, 2022.



19. Birth Anniversary of Bhagwan Birsa Munda was celebrated as "Janjatiya Gaurav Diwas" on 15<sup>th</sup> November, 2022 at PGIVER, Jaipur as a part of the



regular activities under Azadi Ka Amrit Mahotsav. Students, faculty members and staffs of the institute and CDFI, Bansi participated in this programme.

20. Floral welcome of Vivekananda Sandesh Yatra and lecture on the messages of Swami Vivekananda was organized on 28<sup>th</sup> December, 2022. Shri K.C. Gupta said that the purpose of this yatra is to spread the messages of Swami ji to the masses. The main speaker of the programme Mr. Praveen Dakelkar gave a lecture on the life of Swami Vivekananda.



21. On the occasion of Constitution Day, lectures were organized on the topic "India: Mother of Democracy" on 26<sup>th</sup> November, 2022 at PGIVER, Jaipur as a part of the regular activities under Azadi Ka Amrit Mahotsav.



22. 74<sup>th</sup> Republic Day was celebrated at PGIVER, Jaipur in which Prof. Sheela Choudhary, Dean, PGIVER unfurled the national flag and addressed the august gathering. Patriotic songs, dances and skits presented by the students and faculty members on the occasion mesmerized everyone. All teaching and non-teaching staffs and students of the institute participated enthusiastically in this programme.



23. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner visited PGIVER, Jaipur on 10<sup>th</sup> December, 2022 to review different construction works in the institute.



24. A motivational lecture was organized on "National Youth Day" on the occasion of 160<sup>th</sup> birth anniversary of Swami Vivekananda on 12<sup>th</sup> January, 2023.



25. On 06<sup>th</sup> February, 2023, Dr. S.S. Rathore, Principal Scientist and National Coordinator, National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi along with Prof. R.K. Dhuria, Chief





Investigator, NAHEP IG Project and DEE, RAJUVAS, Bikaner visited PGIVER, Jaipur to observe various activities organized by the LIKES cell in the last three years and various equipments installed in Library, Seminar Hall, Surgery department and Hostels.

26. Under the National Agricultural Higher Education Project (NAHEP), an Academia- Industry Interaction Programme was organized on 07<sup>th</sup> February, 2023 by LIKES, Centre, PGIVER, Jaipur. Chief Guest of the programme Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner in his address emphasized on developing the qualities of successful entrepreneurship in the students. Dr. S.S. Rathore, Principal Scientist and National Coordinator, NAHEP, ICAR, New Delhi said that the main objective of this project is to develop soft skills, entrepreneurship, employability etc. among the students. In the programme, Mr. Prem Kansal of A.B.E.S. Health & Nutrition India Pvt. Ltd., Karnal, Mr. Anuj Modi, Board Director, Lotus Dairy, Bikaner, Dr. Arvind Gautam, Co-Founder & CEO, Accuvance L.L.P., New Delhi, Dr. Vinod Kadam, Chief Investigator, Agribusiness Incubation Center of ICAR-CSWRI, Avikanagar and progressive farmer Mr. Surendra Awana inspired the students for self-employment by sharing their personal experiences related to their respective fields.



27. A three-day training programme on RFID (Radio Frequency Identification) and Koha software was organized from February 6-8, 2023. This training camp was organized to inform the faculty members



and the staff working in the library about the working of RFID and Koha software. In the training programme, Mr. Nirmit Krishnatrey and Mr. Vikrant from Edutech Company, Chennai, provided theoretical and practical training for three days on various aspects related to the functioning of RFID technology and Koha software.

28. On 2<sup>nd</sup> March, 2023, Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner inaugurated the bank building located in the institute premises of PGIVER, Jaipur after renovation.



29. On the completion of the internship of the third graduate batch of the institute, the Oath Taking Ceremony of the students was organized at the Post Graduate Institute of Veterinary Education and Research (PGIVER), Jaipur on 4<sup>th</sup> March, 2023.



#### Extra Curricular Activities of CDST, Bikaner

1. National milk day was celebrated in CDST, Bikaner on 26 November 2022.



2. CDST, Bikaner celebrated the admission of newly admitted 1<sup>st</sup> year students of B. Tech. Dairy Technology.



3. RAJUVAS University was visited by First Year B. Tech. students Dairy Technology on 04<sup>th</sup> November 2022.



4. Shree Vivekanand Jayanti was celebrated in CDST, Bikaner on 12 January 2023.



5. Students of CDST Bikaner participated in sports week in March 2023 at CVAS Bikaner.



**Extra Curricular Activities of CDFT, Bassi, Jaipur**

1. 13<sup>th</sup> Foundation Day of RAJUVAS, Bikaner was constitutively organized by PGIVER, Jaipur and CDFT, Bassi (Jaipur) at Campus PGIVER on 18<sup>th</sup> May



2022. The guest of Honour of the function were Mr. Gopal Krishnan Vyas Chairperson, Human Right Commission, Dr. P. C. Trivedi (Vice Chancellor JNVU, Jodhpur and Prof. Vishnu Sharma Former Vice Chancellor, RAJUVAS, Bikaner. Dr. Sanjita Sharma (DEAN, PGIVER). The blood donation camp was also organised.

2. National webinar on "Sustainability in the dairy sector as well as Environment, Nutritional and Socio-economic empowerment" was organized on 1<sup>st</sup> June 2022 as a part of celebration of "World Milk Day-2022" by CDFT, Bassi and PGIVER, Jamdoli at campus-PGIVER, Jamdoli. Alembic Pharmaceuticals Pvt. Ltd., Pune provided the virtual platform for online webinar. Essay writing and Poster making competition were also organized for UG students to create the awareness regarding celebration of World Milk Day at CDFT, Bassi.



3. World Food safety was celebrated on 7<sup>th</sup> June 2022 at CDFT, Bassi, Jaipur (Campus-PGIVER). Prof. (Dr.) D. S. Meena spoke on importance food safety as well as also motivate to apply traditional techniques for improvement in food safety in routine life. Faculty members of CDFT, Bassi also shared their thoughts on prevention of food borne diseases as well as motivate to ensure food safety before consumption of food items.
4. 8<sup>th</sup> International Yoga Day was celebrated on 21<sup>st</sup> June 2022 constitutively by CDFT, Bassi with PGIVER, Jamdoli at Campus-PGIVER. Staff, Faculty and students were actively participated and performed various "Yog Asanas" as instructed by Yoga trainers. The faculties and students were also honoured with "Best Yog Aasan performance".



5. Tree Plantation Drive was carried out at CDFT, Bassi, Jaipur on 27<sup>th</sup> July 2022 and 17<sup>th</sup> August 2022 at CDFT, Bassi. Total 251 plants were planted in the surroundings of CDFT, Bassi, Jaipur.



6. 76<sup>th</sup> Independence Day was celebrated constitutively by CDFT, Bassi and PGIVER, Jamdoli at campus-PGIVER on 15<sup>th</sup> August 2022. Students and faculty members were performed patriotic activities as part of celebration of Independence Day.



7. The "Swacch Abhiyan" was carried out on the occasion of Gandhi Jayanti on 2<sup>nd</sup> October 2022 at campus-PGIVER, CDFT, Bassi, Jaipur.



8. World Food Day 2022 was celebrated on 16<sup>th</sup> October 2022 at CDFT, Bassi, Jaipur. Prof. (Dr.) D.S. Meena spoke to the students that celebration of world food day is aimed at reducing the food hunger among the community as well as prevent the hidden hunger of valuable nutrients by scientific as well as tradition way of nutrition



9. To mark the birth anniversary of Bhagwan Birsa Munda, "Janjatiya Gaurav Diwas" was celebrated on 15<sup>th</sup> November 2022 at Campus-PGIVER, CDFT, Bassi, Jaipur. Prof. (Dr.) D.S. Meena delivered lecture to disseminate the legacy of Tribal leaders and their influence for upliftment of tribal community in India as well as world.



10. Prof. (Dr.) S. K. Garg (Hon'ble Vice Chancellor, RAJUVAS, Bikaner) visited CDFT, Bassi campus on 10<sup>th</sup> December 2022. He gave the valuable guidance for the route map and construction details for the development of New Building of College as well as other amenities in campus surroundings.



11. Prof. (Dr.) D.S. Meena (DEAN, CDFT) inaugurated the new campus of CDFT at Agra Road, NH-22, Bassi,



Jaipur on 15<sup>th</sup> December 2022. The college was operated since December 2021 at campus-PGIVER, Jamdoli, Jaipur. The college has now shifted to its main campus Bassi, Jaipur from 15<sup>th</sup> December 2022.

12. Dr. Urmila Pannu (COE, RAJUVAS) and Dr. Sheela Choudhary (DEAN, PGIVER, Jaipur) visited CDFT, Bassi, Jaipur on 7<sup>th</sup> January, 2023. They interacted with all the faculty members, staff members and students of CDFT, Bassi, Jaipur.



13. To commemorate the Father of White Revolution "Verghese Kurien", National Milk Day was celebrated on 26<sup>th</sup> November at Campus-PGIVER, CDFT, Bassi, Jaipur. The Constitution Day was also celebrated on 26<sup>th</sup> November 2022. On this occasion, Prof. (Dr.) D.S. Meena delivered a lecture on "Bharat: Loktantra Ki Janani" at Seminar Hall, Campus-CDFT, Bassi, Jaipur.



14. World Hindi Day 2023 was celebrated on 10<sup>th</sup> January, 2023 at CDFT, Bassi, Jaipur. Prof. (Dr.) D. S. Meena (DEAN, CDFT) spoke on the importance of World



Hindi Day. Dr. (Mrs.) Seema Tanwar and Dr. Vandna shared thoughts on importance of Hindi language in day to day life as well as motivated students to speak Pure Hindi language.

15. The exposure visit of students of CDFT, Bassi, Jaipur to Exotic Nucleus Farm (A unit of RCDF, Jaipur) on 21<sup>st</sup> March 2023 as part of their course curriculum. Students were given exposure to animal housing system, silage preparation, feed and fodder preparation, milking system as well as quarantine house for Jersey animals at ENF farm.



16. Vishva Matru Bhasha Diwas" was celebrated on 21<sup>st</sup> February 2023 at CDFT, Bassi, Jaipur. Prof. (Dr.) Dharm Singh Meena (DEAN, CDFT) spoke on the importance of "Matru Bhasha" as a medium communication to maintain the cultural heredity.
17. The birth anniversary of Swami Vivekananda known as National Youth Day was celebrated at CDFT, Bassi, Jaipur. The students also shared their thoughts on importance of youth in nation development.



17. The faculty and students of PGIVER, Jaipur visited CDFT, Bassi, Jaipur campus on 14<sup>th</sup> March 2023.



18. 74<sup>th</sup> republic Day was celebrated at CDFT, Bassi, Jaipur on 26<sup>th</sup> January 2023. Prof. (Dr.) Dharm Singh Meena (DEAN, CDFT) had fulfilled the National flag. The patriotic cultural program was also organized as part of celebration of republic day. Mementoes were presented to all the participant for successful organization of the program.



In order to inculcate the spirit of community service amongst students, there are three NSS units of RAJUVAS functional at CVAS, Bikaner, Navania (Udaipur) and PGIVER, Jaipur. Each Unit has one Programme Officer and 100 volunteers. These units are administratively controlled by one Programme Coordinator at university level. Dean Students Welfare generally works as the Programme Coordinator for the University. The NSS units have regular programmes as well as a special camp every year in the adopted villages where NSS volunteers undertake social work, like awareness to parents to avoid female foeticide, so that natural balance of gender is maintained, awareness against drugs-abuse and smoking; adult and child education; mother and child care; health, hygiene, cleanliness, cleaning of village well/ponds; awareness against HIV/AIDS; pulse polio campaign; voter awareness programme; literacy programme; free plantation; blood donation; talks on water conservation and many more activities focused on social and rural upliftment. The NSS volunteers undertake social work in and around college campus for 3 hours for 40 days in a year. The NSS volunteers of this University also help in organizing camps for treatment of animals in the adopted villages during special camps along with experts of the University. The NSS units organize the regular activities as detailed below:

#### NSS Activities of CVAS, Bikaner

1. World Environment Day was celebrated by the NSS unit of CVAS, Bikaner on 5<sup>th</sup> June, 2022. The Theme of the day was "Only One Earth". The event was inaugurated by Prof. R. K. Singh, Dean & Faculty Chairman, Bikaner by planting a sapling of *Shisham*. The NSS volunteers actively participated in the plantation drive and cleanliness drive in college campus.



2. A Water Conservation Awareness Rally was organised by National Service Scheme unit, College of Veterinary and Animal Science, Bikaner at adopted village Garhwala on 28 June, 2022. Dr. Neeraj Kumar Sharma, Coordinator, University Social Responsibility told

## NSS and NCC Activities



about the importance of water in agriculture and animal husbandry along with our day to day life and he motivated the NSS volunteers to participate in rally. The rally was inaugurated by the Shrawan Choudhary, Principal, Govt. Senior Secondary School, Gadhwala. The rally was passed via main routes of village. The NSS volunteers actively participated in the rally.

3. A Cleanliness cum plantation drive was organized by NSS unit of College of Veterinary and Animal Science, Bikaner in RAJUVAS Residential Colony-I on 2<sup>nd</sup> October, 2022 on the occasion of Birth Anniversary of Mahatma Gandhi. The programme was inaugurated by Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner. Volunteers of college NSS unit actively participated in this drive.



4. A Cleanliness drive was organized by NSS unit of College of Veterinary and Animal Science, Bikaner in Senior Secondary School, Gadhwala on 31<sup>st</sup> October, 2022 under Swachhata Abhiyaan 2.0. The programme was inaugurated by Mr. Shrawan Kumar, Principal, Senior Secondary School, Garhwala. Volunteers of college NSS unit actively participated in this drive.



5. On the occasion of birth anniversary of Swami Vivekanand National Youth Day was celebrated on 12 January, 2023. The event was inaugurated by the Swami Vimarshanand, Shiv Bari Math by garlanding the statue of Swami Vivekanand. Swami Vimarshan and addressed the youth and told the contribution of Swami Vivekanand for our country.



6. A cleanliness drive was organized in Gram Panchayat Bhawan of adopted village Gadhwala on 28 February, 2023. NSS volunteers of College of Dairy Science and Technology, RAJUVAS, Bikaner actively participated in this drive.



7. A seven days NSS special camp was organized by NSS unit, CVAS, Bikaner during 24-30 March, 2023 in adopted village Sagar. Various kind of activities were performed by NSS volunteers in this camp. Dr. Neeraj Kumar Sharma, Programme Officer, NSS told that cleanliness drive, plantation drive, de-addiction awareness Rally, essay writing and quiz competition were organized. Winners were awarded with memento in valedictory function of camp. On this occasion Prof. Praveen Bishnoi, Dean Student Welfare, RAJUVAS Bikaner addressed the volunteers and motivated for social responsibility.



### NSS Activities of CVAS, Navania (Udaipur)

1. Cleanliness drive was conducted in and around the college campus on 18<sup>th</sup> November to 2<sup>nd</sup> December, 2022. The NCC cadets and NSS volunteers cleaned the area of academic and office block of campus. In the continuation of cleanliness drive already planted plants were also maintained by the cadets.



2. An awareness rally on cleanliness and hygiene was organized by involving the NCC cadets and NSS students on 24<sup>th</sup> February 2023 at village Ranchohpura. Cadets made the villagers aware to minimize the use of plastic.



3. NSS Special camp was organized from 21-27 February 2023 for 1<sup>st</sup> B.V.Sc. & A.H students. Various activities were conducted eg. National Language day on 21 February 2023, Shramdaan was the part of daily activities. Plantation was done by NSS volunteers. Guest lectures were organized for sensitization of NSS volunteers. Jagrukta Rally was organized in nearby village Ranchohpura on 27<sup>th</sup> February poster competition was organized on the topic of 'Global Science for Global well-being'.



### R&V NCC Squadron and Regiment

In order to inculcate the spirit of community service amongst students, there are two NCC units functional at CVAS, Bikaner and CVAS, Navania (Udaipur). 1 R&V NCC Sqn located at CVAS, Bikaner is fully equipped with horse line (having 13 army horses), an arena for exercising and show equestrian sports. 2 R&V Regiment located at CVAS, Navania, Udaipur (having 26 army horses) is the largest R&V Regiment of India with an arena for exercising, horse shelter, drill ground and show equestrian sports. These units provides institutional training as well as various camp trainings, National integration, Advance leadership, Summer camp, Rock climbing, Para jumping, Mountaineering, Army attachment camp, Republic day camp etc.



### NCC Activities of CVAS, Bikaner

#### Republic day camp 2022-23

2 Gold, 1 Silver, 3 Bronze medal won, 1 Trophy – Dr Roop Jyoti Sharma Trophy Runner up, in republic day camp 2023. 33 cadets received B certificate and 33 cadets received C certificate of NCC.

1. Gold - Winner- best Tent Pegging of the Day- Sgt Bharat Singh Khichar
2. Dr Roop Jyoti Sharma Trophy- Runner up- Sgt Bharat Singh Khichar
3. Tent Pegging Boys Veteran Day – IV position
4. Gold- tent pegging boys novice- UO Kuldeep Bishnoi
5. Silver- Show Jumping Top score Boys- UO Kuldeep Bishnoi
6. Bronze- Show jumping boys Novice- UO Kuldeep Bishnoi
7. Bronze- Show jumping girl novice- Meenu Shekhawat
8. Bronze- hacks and RL Veteran- Sgt Tamanna Choudhary



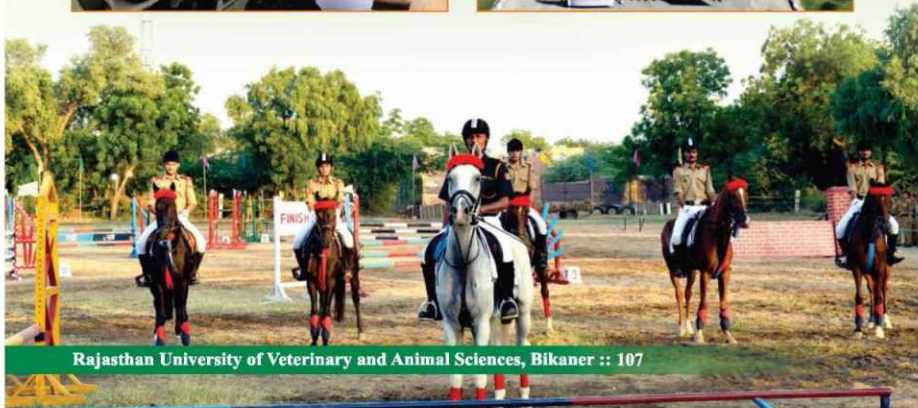
Sl. No.	Event	Position	Medal recipient
1.	Tent Pegging	1 <sup>st</sup> - Gold	UO Kuldeep Bishnoi
2	Top score	2 <sup>nd</sup> - Silver	UO Kuldeep Bishnoi
3	Show Jumping	3 <sup>rd</sup> - Bronze	UO Kuldeep Bishnoi
4	Show Jumping	3 <sup>rd</sup> - Bronze	Meenu Shekhawat
5	Hacks	3 <sup>rd</sup> - Bronze	Sgt Tamanna Choudhary
6	Tent Pegging	4 <sup>th</sup> position	Sgt Bharat Singh Khichar
7	Best tent pegging rider trophy	1 <sup>st</sup> position	Sgt Bharat Singh
8	Roop Jyoti Sharma trophy	2 <sup>nd</sup> position -runner up	Sgt Bharat Singh





### **NCC Activities of CVAS, Navania, Udaipur**

1. In association with 2 Raj. R&V Regiment, CVAS, Navania enrolled the students of the first graduation year of the college. Prof. (Dr.) S. C. Goswami, DSW RAJUVAS, expressed his views about discipline in life and the contribution of NCC in it. Dean Prof. (Dr.) R.K. Joshi told the importance of working in harmony and unity in life. On this occasion, Associate NCC officers of the college Dr. Sanweer Khatoon, Dr. Sunil Arora and Dr. Govardhan Singh made a presentation on the contribution of NCC in building the future.
2. NCC cadets of CVAS, Navania, Udaipur & 2 Raj R&V Regiment NCC, formed a human chain on 24<sup>th</sup> February 2023 and spread the message of not using plastic and making the environment pure. Dr. Mitesh Gaur insisted the students to use cloth bags instead of plastic bags and also told the students the importance of public welfare and upliftment through social work.





## Students Activities

### Students Activities CVAS, Bikaner

1. Orientation programme for newly admitted students of BVSc & AH degree programme was conducted on 04.04.2022 at CVAS, Bikaner. Dean & Faculty Chairman Prof. R. K. Singh along with other officers and faculty members were present on this occasion and told the students about the activities conducted by college and their respective department or unit for the students.



2. A Quiz competition for students and a Farmer's meet was held on the occasion of World Veterinary Day on 30.04.2022 at CVAS, Bikaner. Winner students were awarded with certificate.
3. Debate and essay competitions were organized for students on the occasion of World Milk Day at CVAS, Bikaner on 01.06.2022. Winner students were awarded with certificate.



4. Budding Vet Programme was conducted for the Fourth Year and Internee students of CVAS, Bikaner on 07.06.2022 by the Virbac Animal Health Pharmaceutical, Mumbai. A quiz was also conducted



after the presentation by Virbac representative. Ms. Monika Choudhary, Mr. Vishal Gurjar and Mr. Vikas Kumar Dhaka were declared First, Second and Third respectively. These students will participate in Zonal level quiz competition.

5. Apex Centre for Animal Disease Investigation Monitoring and Surveillance, College of Veterinary and Animal Science, Bikaner, RAJUVAS, Bikaner organised five days entrepreneurial skills strengthening training programme from 21<sup>st</sup> to 25<sup>th</sup> June, 2022 funded by ICAR, New Delhi. Theme of the training was "Nucleic Acid and Protein Based Techniques for The Detection of Pathogens". A total of 25 students from different colleges of RAJUVAS attended the training.



6. Internship and PG students have been deputed to different districts of Rajasthan under supervision of respective Joint Directors for providing their services in Lumpy affected areas. Advisories has been issued by the experts of RAJUVAS for Lumpy Skin Disease prevention, treatment and control measures.
7. An expert lecture on the topic "Opportunities for veterinarians internationally" was held on 29.08.2022 for the students of CVAS, Bikaner by an alumnus of the University, Dr. Rohish Kaura who is pursuing his doctorate from Estonian University of life Sciences, Estonia.
8. Motivational lecture was organized on 16.12.2022 for the final year students of College of Veterinary and Animal Science, Bikaner on various employment opportunities in Remount Veterinary Corps and other armed and paramilitary forces. Dr. Pushendra Singh





Kshatriya, Lt. Col. 1<sup>st</sup> Raj. R. & V.NCC, SQN College of Veterinary and Animal Sciences, Bikaner, while addressing the students, explained the employment opportunities and preparation for various posts of Veterinary Officer in RVC, Border Security Force and Army. Dr. Pushendra Singh motivated the students to take part in cultural and sports activities along with regular education so that all round development of the students can take place.

9. Students of College of Veterinary and Animal Sciences, Bikaner and College of Dairy Science and Technology participated in the Vivekananda Sandesh Yatra organized in Bikaner district on 17.12.2022



10. Animal Biomedical Waste Disposal Technology Center, Bikaner organized One-day training on proper management and disposal of animal bio-medical waste to 31 Post Graduate students of Department of Veterinary Medicine, Department of Veterinary Surgery and Radiation, Department of Veterinary Pathology, L.P.T. Department of Animal Gynecology and Obstetrics and Department of Veterinary Public Health and Epidemiology on 22.12.2022.



11. A lecture was organized on 28.12.2022 for detailed information on prevention of lumpy skin disease in animals for final year and post graduate students. Dr. Naveen Kumar, Principal Scientist, National Equine Research Institute, Hisar, provided detailed information to the students on prevention of lumpy skin disease spreading in animals. He shared his experiences on testing, manufacturing, production and effectiveness of indigenous vaccine to prevent lumpy skin disease and resolved the doubts of the students. Dr. Naveen Kumar also provided information



about pre-preparation and safety measures to prevent such infectious diseases in future so that animal parents can be saved from financial losses.

12. Orientation programme at College of Veterinary and Animal Science, Bikaner was organized on 26.12.2022 for the newly admitted students of First Professional B.V.Sc & A.H. Dean Prof. A. P. Singh addressed the students and parents and they were made aware about the various facilities available in the campus, academic rules for their curriculum and anti-ragging guidelines.



13. Offices of Students' Union RAJUVAS and Veterinary Students' Association of College of Veterinary and Animal Science, Bikaner were inaugurated by Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner along with other Deans and Directors on 07.01.2023



14. Interclass Sports and Cultural week "SPIRIT-2023" was held from 17-23.01.2023 at College of Veterinary and Animal Science, Bikaner. Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner inaugurated the week and a friendly volleyball match



was played between students and faculty members. Various sports, games, cultural, fine arts and literary events were conducted during this week.

- Students of College of Veterinary and Animal Science, Bikaner participated in online national quiz contest on the occasion of Reproductive Health Awareness Week conducted by Virbac Animal Health India Pvt Ltd. On 12.02.2023.



- A contingent of 39 students from constituent colleges of RAJUVAS participated in All India Agricultural Universities Games & Sports meet "Agriumi sports" held at CCSHAU, Hisar from 20-24 February, 2023.



- One day workshop on "Development of Soft Skill for Entrepreneurship among Veterinary Graduates" was held at CVAS, Bikaner in collaboration with ICAR-National Academy of Agricultural Research Management, Hyderabad under NAHEP on 13.03.2023. 100 students got benefited through this workshop.



- Animal Bio-Medical Waste Disposal Technology Center, Bikaner organized a one-day training programme for 32 veterinary post graduate students of different departments of CVAS, Bikaner on the subject of proper management and disposal of animal bio-medical waste on 18.03.2023.



- NSS special camp was organized at CVAS, Bikaner from 24-30 March, 2023 for First Professional B.V.Sc. & A.H students. Guest lectures were organized for sensitization of NSS volunteers on topics of 'waste management'. Jagrukta Rally was organized in nearby village Garhwala and Sagar for orientation of villagers about importance of cleanliness and hygiene in surrounding and Nasha Mukti. Essay and quiz competition was organized during this.

#### Students Activities CVAS, Navania

- An orientation program was organized for the first year B.V.Sc. and A.H newly admitted students of the College of Veterinary and Animal Science, Navania on 5<sup>th</sup> April 2022. Dean of Veterinary College Prof. (Dr.) Rajeev Kumar Joshi addressed the newly



admitted students and gave detailed information about the achievements of the college. He also appraised the students about various future employment opportunities in the veterinary field.

- Orientation program of newly admitted post graduate students of session 2021-22 was organized at College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur on 1 June 2022. The program was presided over by the College Dean Prof. (Dr.) Rajeev Kumar Joshi by welcoming the newly admitted students. In his address, he apprised them about the various activities and achievements of the college.



- Fresher's Day was organized on the theme of SUYOG-2021 on 14<sup>th</sup> October 2022 for welcoming the newcomers of the first year B.V.Sc. & A.H. programme. The event began with the lighting of lamp by Prof. (Dr) R.K. Joshi, Dean, CVAS Navania, Udaipur. Prof. (Dr) R.K. Joshi, Dean, CVAS Navania, Udaipur in his address blessed the students of first year students and explained their responsibilities. In the programme first introduction of First-year students and subsequently various cultural programs were organized. Whole programme was organized under the supervision of ADSW, Dr. Mitesh Gaur.



- Two-days Educational tour cum exposure visit of 4th B.V.Sc. & A.H. Students was organized from 29-30<sup>th</sup> November 2022 at Banas Dairy and college of Veterinary & Animal Science, Dantiwada, Gujarat under the Banner of LIKES Centre, CVAS, Navania. A total of 45 Students were involved in the tour. The tour was organized under direction NAHEP, Co-PI, Prof.(Dr.) S. K. Sharma and Dr. Deepak Kumar Sharma.



- An Orientation program was organized for the newly admitted students in the first year on 02<sup>nd</sup> January 2023. At the beginning of the programme, the newly admitted students were welcomed by applying tika and sweetening their mouths and the newly admitted students introduced themselves. Prof. (Dr.) Rajeev Kumar Joshi, Dean CVAS, Navania, Udaipur while addressing the newly admitted students explained the importance of Veterinary Science and informed them about the achievements of the college.



- Sports and Cultural Week 2023 was successfully organized from 21<sup>st</sup> -26<sup>th</sup> January 2023 at the College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur. On the first day, Dr. Rajeev Kumar Joshi, Dean, CVAS, Navania, Udaipur inaugurated the event in the sports ground. Various sports like volleyball, basketball, cricket, badminton, table tennis, chess, etc. along with various cultural programs were organized. Games were organized under the direction of the sports in charge, Dr. Mahendra Singh Meel and cultural programs under the direction of Dr. Anita Rathore.





### Students Activities CVAS, PGIVER

1. Orientation programme of newly admitted B.V.Sc. & A.H. students of Session 2021-22 was organized on 04.04.2022 at PGIVER, Jaipur. The programme was presided over by Prof. (Dr.) Sanjita Sharma, Dean, PGIVER, Jaipur. She welcomed the students and enlightened them about the functional activities and achievements of the institute.



2. Orientation programme of newly admitted Ph.D. and M.V.Sc. students of Session 2021-22 was organized on 1<sup>st</sup> June, 2022 at PGIVER, Jaipur. The programme was presided over by Prof. (Dr.) Sanjita Sharma, Dean, PGIVER, Jaipur. She welcomed the students and enlightened them about the activities and achievements of the institute. Dr. Subhash Chand, In-charge, Student Section informed them about the course curriculum, attendance, time table etc. and Dr. Y.P. Singh, ADSW briefed them about the different activities of the institute.



3. Five days Educational Tour of second year B.V.Sc. & A.H. students was carried out from 20-24 September, 2022. The students visited DUVASU, Mathura and IVRI, Bareilly during this tour. Dr. Ashok Baidha & Dr. Rashmi Singh were the Tour In-charges.



4. "Fresher's Day" was organized on 1<sup>st</sup> October, 2022 at PGIVER, Jaipur to welcome the newly admitted students in the B.V.Sc. & A.H. Course. The function was presided over by Prof. Sheela Choudhary, Dean, PGIVER, Jaipur. She formally welcomed the students and briefed them about the different activities of the institute. Later, the newly admitted students introduced themselves one by one and presented songs, dance, mimicry etc. Teaching and non-teaching staffs and students were present on this occasion.



5. A team of 20 members consisting of 9 boys and 11 girls was flagged off by Prof. Sheela Choudhary, Dean, PGIVER, Jaipur on 29<sup>th</sup> October, 2022 to participate in the All India Veterinary College's Badminton and Table Tennis tournaments and Professional Quiz Competition to be organized at College of Veterinary and Animal Sciences, G.B. Pant University of Agriculture & Technology, Pantnagar (Uttarakhand) from 31<sup>st</sup> October to 2<sup>nd</sup> November 2022. The team is headed by Dr. Abhishek Gupta.



6. An orientation programme for the newly admitted B.V.Sc. & A.H. students of the session 2022-23 was organized at PGIVER, Jaipur on 26<sup>th</sup> December, 2022. In the beginning of the programme, the newly admitted students presented their introduction. Assistant Dean Student Welfare, Dr. Y.P. Singh informed the students about the general structure of the institute. Presiding over the programme, Prof. (Dr.) Sheela Choudhary, Dean, PGIVER in her address while welcoming all the newly admitted students said that veterinary education is an excellent professional education which is connected to all sections of the society. He inspired all the students to



cooperate in the development of the institute and bring laurels to the institute by performing excellently.

7. Sports & Cultural Week "Umang-2023" was organized from 18<sup>th</sup>-24<sup>th</sup> January, 2023. The week was inaugurated on 18<sup>th</sup> January by Dr. Rajesh Mann, Former Director, Animal Husbandry Department, Government of Rajasthan and member of Rajasthan Farmers Commission. Dr. Mann said in his address that sports and cultural competitions make our all-round development. Various competitions in Tug of war, Volleyball, Table Tennis, Chess, Carom, Kabbadi, Badminton, Athletics (Disc Throw, Javelin Throw, Shot Put Throw, Race, Long Jump etc.) were organized. Various competitions in Music, Dance, Skit, Mime, Painting, Collage, Clay Modeling, Mehendi, Literary events etc. were also organized for the students. Dr. Narendra Mohan Singh, Chief Executive Officer, Rajasthan Livestock Development Board was the chief guest in Valedictory Function of the week on 24<sup>th</sup> January.



8. Under Azadi Ka Amrit Mahotsav, an Essay Writing Competition was organized for the students at PGIVER, Jaipur on the topic "Independent India @75" on 28.02.2023.



9. Under Azadi Ka Amrit Mahotsav, a Debate Competition was organized for the students at PGIVER, Jaipur on the topic "One Nation One Ration Card" on 29.03.2023.



10. Under the LIKES, Centre, National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi an exposure visit of Post Graduation students of PGIVER, Jaipur was organized to Lotus Dairy, Bassi on 15<sup>th</sup> March, 2023 to acquaint them about the modern technologies and for developing entrepreneurship skills.



11. Under the National Agricultural Higher Education Project (NAHEP), a four-days workshop on entrepreneurship and skill development for veterinary students was organized from 16<sup>th</sup>-21<sup>st</sup> March, 2023 by LIKES, Centre of PGIVER, Jaipur in collaboration with "The Kashish-e-learning solution, Bikaner". During the workshop, four expert speakers from different subject matter tried to develop entrepreneurship skills in the students with their knowledge and experience. A quiz competition was also organized for the students. 80 students of third and fourth year B.V.Sc. & A.H. participated in this workshop.





## Students Amenities

### Hostel Facilities at CVAS, Bikaner:

S.No.	Name of Hostel	Type of Hostel (Boys/ Girls/)	Accommodation Facilities in Number			Alternative Arrangements	
			Rooms	Beds	Total No. of allotted Beds	Rooms	Beds
1	UG-I	Boys	85	195	195	-	30
2	PG-I	Boys	35	35	35	-	5
3	PG-II	Boys	38	54	54	-	7
4	UG-II	Boys	10	30	30	-	5
5	Intern	Boys	11	33	33	-	0
6	Girl's Hostel (Old Wing)	Girl's	50	109	104	-	5
	Girl's Hostel (New Wing)	Girl's	18	54	54		5

### Residential Colony (For Staff & Student)

Family Quarters (Type)	No. of Quarters	Family lives
A,c,d,e,f,g,h,th	92	92

### Hostel Facilities at CVAS, Navania:

S.No.	Name of Hostel	Type of Hostel (Boys/ Girls/)	Accommodation Facilities in Number			Alternative Arrangements	
			Rooms	Beds	Total No. of allotted Beds	Rooms	Beds
1	Boys Hostel Old	Boys	54	120	120	-	-
2	Boys Hostel New	Boys	45	117	117	-	-
3	Girls Hostel	Girls	94	198	198	-	-
4	P.G. Hostel	Boy's	53	106	106	-	-

### Hostel Facilities at PGIVER, Jaipur:

S.No.	Name of Hostel	Type of Hostel (Boys/ Girls/)	Accommodation Facilities in Number			Alternative Arrangements	
			Rooms	Beds	Total No. of allotted Beds	Rooms	Beds
1	Boys Hostel	Boys	51	95	-	6	-
2	Girls Hostel	Girls	17	51	-	2	12

### Residential Colony (For Staff & Student)

Family Quarters (Type)	No. of Quarters	Family lives
3BHK	04	00





**Students felicitated for appearing in the University merit list.**

S. No.	Name	Rank	College
<b>Fourth Year B.V.Sc. &amp; AH – 2022</b>			
1.	Ruhi Khan (Miss)	I Rank	Post Graduate Institute of veterinary Education and Research, Jaipur
2.	Tamanna Agarwal (Miss)	II Rank	Post Graduate Institute of veterinary Education and Research, Jaipur
3.	Sakshi Rathore (Miss)	III Rank	College of Veterinary and Animal Science, Bikaner
<b>Third Year B.V.Sc. &amp; A.H. 2022</b>			
1.	Meenu Choudhary (Miss)	I Rank	Post Graduate Institute of veterinary Education and Research, Jaipur
2.	Rachna Soan (Miss)	II Rank	College of Veterinary and Animal Science, Navania
3.	Bhawna Saini (Miss)	III Rank	College of Veterinary and Animal Science, Navania





## Research Activities

Directorate of Research governs the research activities at Nine Livestock Research Stations located at Chandan (Jaisalmer), Nohar (Hanumangarh), Beechwal (Bikaner), Vallabh Nagar (Udaipur), Kodamdesar (Bikaner), CVAS Bikaner, Bojunda (Chittorgarh), Dag (Jhalawar), and Dholpur, Institutional as well as project research in different disciplines of College of Veterinary and Animal Science, Bikaner, College of Veterinary and Animal Science, Navania, Vallabh Nagar (Udaipur), Post Graduate Institute of Veterinary Education and Research, Jaipur and Apex Centre, Bikaner. Four types of Research works are being conducted at Rajasthan University of Veterinary and Animal Sciences, Bikaner are Farm Based Research, Field Based Research, Institutional Research, and Student's Research.

During the reporting year total of 30 projects were operational. Out of these 19 externally funded projects were running at various LRS's and at various departments of constituent colleges. Among which 5 projects were funded by ICAR, 11 by State plan and 3 by RKVY. Eleven intramural university funded, Revolving Fund projects were also functional.



**Total research schemes operational during year 2022-23 (in Lacs)**

Funding Agency	No of Schemes	Total cost of Projects	Amount Sanctioned in year 2022-23
ICAR	05	202.27	105.07
State	11	7900.00	307.65
RKVY	03	393.41	585.00
Revolving Fund	11	98.62	-
<b>Total</b>	<b>30</b>	<b>8594.30</b>	<b>997.72</b>

**Research Schemes operational during the year 2022-23**

S.No.	Name of Research Schemes
<b>ICAR schemes</b>	
1.	AICRP on Genetic Improvement of Marwari Goats in Farmers' Flocks at CVAS, Bikaner, CVAS, Bikaner.
2.	Network Project on Buffalo (Surti) Improvement at Livestock Research Station, Vallabhnagar, Udaipur.
3.	AICRP on Genetic Improvement of Sirohi Goats in Farmers' Flocks at LRS, Vallabhnagar, Udaipur.
4.	Mega Sheep Seed Project (Sonadi) at Livestock Research Station, Vallabhnagar, Udaipur.
5.	All India Network Programme on Diagnostic Imaging and Management of Surgical Affections in Animals at CVAS, Bikaner.
<b>State Plan Schemes</b>	
1.	Apex Centre for Animal Disease Investigation, Monitoring and Surveillance.
2.	Centre for Ethno Veterinary Practice & Alternative Medicines.
3.	Centre for Conservation of Animal Biodiversity.
4.	Centre for Organic Animal Product Technology.
5.	Centre for Excellence for use of Space based Technology in Animal Science.
6.	Centre for Studies on Wild Life Management & Health.
7.	Centre for Disaster Management Technology for Animal.
8.	Vaccinology & Biological Product Research Centre.
9.	Animal Bio Medical Waste Disposal Technology Centre.
10.	Engineering and Technology Centre for Animal Science.
11.	Livestock Feed Resource Management and Technology Centre.
<b>RKVY Schemes:</b>	
1.	Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases.
2.	Farmers training and Hostel Facility.
3.	Establishment of biosafety level-3 (BSL-3) facility for diagnosis of emerging Zoonotic disease.
<b>Revolving Fund Schemes:</b>	
1.	Increase the fodder and seed production through Revolving Fund at Livestock Research Station, Chandan, Jaisalmer.
2.	Development and conservation of Marwari goat at Livestock Research Station, Chandan, Jaisalmer.
3.	Preservation and articulation of bones of different species of animals to enhance the teaching quality of Veterinary Anatomy at CVAS, Navania, Udaipur.
4.	Income generation through Farming activities at Livestock Research Station, Bojunda, Chittorgarh.
5.	Preparation and supply of ORS for calves at CVAS, Navania, Udaipur.
6.	Pilot Project on Alternate Energy Generation through Biogas based Electricity Production at CVAS, Navania, Udaipur.
7.	Sirohi Goat Breeding Project at Livestock Research Station, Beechwal (Bikaner).
8.	Green Fodder & Seed Production at Livestock Research Station, Beechwal (Bikaner).
9.	Processing and marketing of Milk and Milk products at CVAS, Navania.
10.	A Pilot project on production of indigenous milk products at CVAS, Bikaner.
11.	Revolving Fund Project for Cattle Feed and Mineral Mixture Plant (CFMMP).



**Livestock Research Stations:**

S. No.	Name of Research Stations
1.	Livestock Research Station Bikaner
2.	Livestock Research Station Vallabh Nagar (Udaipur)
3.	Livestock Research Station Beechwal (Bikaner).
4.	Livestock Research Station Kodamdesar (Bikaner).
5.	Livestock Research Station Chandan (Jaisalmer).
6.	Livestock Research Station Nohar (Hanumangarh).
7.	Livestock Research Station Dholpur.
8.	Livestock Research Station Bojunda (Chittorgarh).
9.	Livestock Research Station Dag (Jhalawar)



**1. Livestock Research Station, Bikaner**

The main objective of LRS, Bikaner is to improve and conserve the Rathi cattle germplasm through selective breeding in closed herd system and to conduct research on scientific breeding, feeding, and health management aspect of Rathi cattle. It also facilitates university students for conducting research and imparting training. The budget allocated during year 2022-23 was Rs.167.00 lacs whereas the Income generated during year 2022-23 from various sources viz sale of milk, sale of animals, sale of manure etc. was Rs. 47,10,089/-. The total herd strength was 278 among which 202 were females and 76 were males of different age group. The highest wet average was recorded in the month of August and lowest in the month of March. The overall wet average was 7.30 kg and herd average 4.62 kg was observed. A total of 11 cows yielded more than 2000 liters of Milk in single lactation was grouped in the elite herd. The Peak yield (Liters/day) was recorded between 10.0 to 12.3 (Liters/day). The improved germplasm was sold to the Department of Animal Husbandry, Gaushalas, Gram Panchayats, NGOs, farmers and other development agencies. The progressive breeders purchased the cows, bulls and heifers on book value and at the time of auction. During year of 2022-23 total 25 Rathi bull calves were distributed. Students of different colleges, schools, officers from line departments, farmers, Goshalas workers, NGOs have been visited the LRS. Research activities:- Students of M.V.Sc. and Ph. D. Routinely being collected samples of blood, milk and dung for their research activities.



## 2. Livestock Research Station Beechwal

LRS Beechwal, was incorporated as cooperating unit of Tharparkar cattle breeding project under state plan. This research station has been developed and strengthened with the financial support from the ICAR under development and strengthening of SAU farms. The main objective this research station is Conservation, Evaluation and Improvement of Tharparkar Cattle Farm. This station has shown its capabilities in propagation and distribution of superior germplasm of Tharparkar cattle and Sirohi goats, to produce seed of crops useful for livestock feed and fodder besides earning of handsome revenue.

Three different Projects are running under this centre are

- Establishment and Genetic Improvement of Tharparkar Cattle Farm (State Plan)
- Sirohi Goat Breeding Project (Revolving Fund Project).
- Green Fodder & Seed Production (Revolving Fund Project).

Total milk production under reporting year was 116386 litres. Among the Production performance the herd average was 4.06 and wet average was 8.46 lit. The average peak yield of 10.83 kg and average Lactation yield (kg) of 2451.18 was recorded during the reporting period. The herd strength at the beginning of the year was 164 animals and at the end it was 192 animals including 1 camel. Four students have done there a part of their research work at LRS. The income generated at centre during 2022-23 from various sources viz. sale of milk, sale of animals, sale of manure, Sale of seed/Grains (Wheat), Sale of Fodder (Green/Dry), Mineral Mixture etc was Rs.93,17,136.00. The herd strength at the beginning for the year was 164 animals and at the end it was 185 animals including 1 camel. During 2022-23 two auctions were conducted and 01 cattle and 10 bull calves were sold. The auction value of one cattle and one bull calves were Rs.281500/- and Rs.211500/-, respectively.

Research work done during 2022-2023 at L.R.S, Beechwal

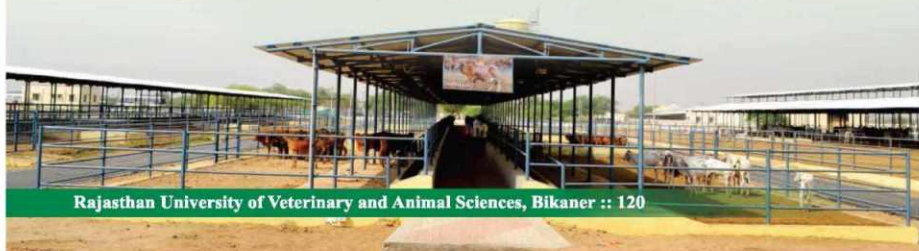


S.No	Name of student	Research work topic	Department
1	Dr. Sharmila (M.V.Sc)	Evaluation of Therapeutic Potential of Kalonji ( <i>Nigella sativa</i> ) in Subclinical Mastitis in Cattle	Veterinary Clinical Medicine, E & J, CVAS, Bikaner
2	Dr. Kiran Kumari (M.V.Sc)	Studies on Therapeutic Potential of Polyherbal Formulation in Subclinical Mastitis in Cattle	Veterinary Clinical Medicine, E & J, CVAS, Bikaner

## 3. Livestock Research Station Kodamdesar

The main objective of LRSKodamdesar, is to undertake improvement and conservation of Kankrej cattle germplasm through selective breeding in closed herd system. The evaluation, conservation and scientific breed improvement has shown encouraging results. One cow has produced 4033.7 kg milk in a single lactation. Peak yield of 22.00 kg in 55 days has been achieved. Efforts are made to make available superior Kankrej germplasm with farmers.

The Kankrej cattle project was implemented from the year 2009-10 with the financial support of Rastriya Krishi Vikas Yojna (RKVY). The total herd strength of Kankrej cattle in year 2022-23 was 222 among which 156 were females and 66 were males of different age group. Total Milk production was 76080 (kg). Annual Wet average was 6.80 kg, Annual Herd Average 3.70 kg, Maximum Peak Yield 13.1 kg and Average Peak Yield was 8.4 kg. A total of 8 animals (6 bull calves, 1





cow and 1 heifer) were distributed and sold to different gaushalas /farmers /developmental agencies during this financial year. Due to outbreak of lumpy skin disease we could not distribute more no of bull calves. The revenue generated in LRS Kodamdesar during 2022-23 was Rs.1,49,88,301/- by different sources like sale of milk, sale of animals, sale of manure etc. During the year 2022-23 a lot of farmers visited the station. A good number of scientific and technical persons have also visited the station and praised the activities undertaken. The Peak yield (kg) of 10.7 to 16.5 was recorded for 5 cows.

**Two other Projects are also running under this centre are:**

**> Sahiwal Cattle Breeding Project:**

The Sahiwal Cattle Breeding project was implemented from the year 2013-14 at Livestock Research Station, Kodamdesar for undertaking conservation, evaluation and improvement of Sahiwal cattle germplasm through selective breeding. The performance evaluation has shown encouraging results. Superior Sahiwal germplasm is made available to the farmers. The main aim of the project is to make available the superior germplasm for genetic improvement of indigenous non-descript cattle. High genetic merit Sahiwal bull calves are supplied to the farmers/gaushalas/village panchayats/developmental agencies. The progressive breeders can take surplus cows, bulls and heifers on university book value and at the time of auction. The herd strength at the beginning of the year was 274 animals and at the end it was 249. A total of 64 animals (2 cow, 15 female calves and 47 male calves) were sold and distributed during the present financial year. The income generated in the Sahiwal Cattle Breeding project during 2022-23 by different sources viz. sale of milk, sale of animals, sale of manure etc. was Rs.51,28,394.00/-.

**> Magra Sheep project**

LRS is also maintaining Magra sheep flock. It is one of the superior carpet wool producing breeds which can be used for genetic improvement in the farmers flock. Superior rams/ewes are made available to the farmers. During this financial year a total of 8 ram were sold to CSWRI, Bikaner for distribution in field as breeding ram.

**4. Livestock Research Station Chandan, Jaisalmer**

The Tharparkar breed evolved as a drought resistant, heat tolerant and disease resistant breed of cattle, suitable for hostile climatic conditions and scarce feed resources. As per the central and state Government cattle breeding policy, this Native germplasm is being improved through selective breeding at Livestock Research Station, Chandan. The main objective of the project is Evaluation, Improvement and Conservation of Tharparkar cattle germ plasm.

The herd strength for the year under report was 336 out of which 242 were females and 94 were males of different age group. The total milk production during the year was 182559.5 Kg. The average cows in milk were 63.53 in the year. The highest milk production of 15213.3 kg was recorded in the month of March 2023. The highest wet average 8.18 kg was recorded in the month of March 2023. Total 83 cows calved during 2022-2023. The average peak yield is 9.25 kg. Out of these, more than 50% cows had peak yield above the mean value. The maximum peak yield 17.0 kg was recorded. The most of the cows attained peak yield between 15 days to 46 days after calving. The revenue generated from farm was Rs 101.87 Lacs in the year 2022-2023. About 300 Officer/Scientist/Animal Breeder/Farmers visited at dairy unit of L.R.S.





and 2 On Campus/Off Campus trainings were organized a total 60 Beneficiaries in this trainings. A total of 30 germ plasm were supplied to various Government Departments, NGO's and Private Sectors in the reporting year. Five cows whose lactation yield was above 3000 kg are designated as "ELITE" cows. During this year 2022-23, 2388.72 Qt. green fodder was produced during this year from own resources.

#### Different Projects are running under this centre are

- Evaluation, Improvement and Conservation of Tharparkar cattle germplasm (State Plan).
- Fodder and seed production (Revolving Fund Project).
- Development and conservation of Marwari goat (Revolving Fund Project).

#### 5. Livestock Research Station, Nohar

Rathi is an integral part of natural heritage, culture & ecosystem of North Rajasthan which has better adaptability to harsh climate, diseases, heat stress, ticks infestation and utilization of locally available poor quality roughage. The main objective of the project is Evaluation, Improvement and Conservation of Rathi cattle germ plasm herd strength for the year under report was 240 out of which 190 were females and 50 were males of different age group. The highest wet average 9.85 lit was recorded in the month of April-2022 and lowest 5.3 lit in the month of November 23. The wet average and herd average during the reporting period is presented in table. The highest wet average 9.85 lit was recorded in the month of April-2022 and lowest 5.3 lit in the month of November 22. The overall wet average was 6.65 and herd average was 3.71 lit. The income generated in the project during 2022-23 was Rs.84.89(lacs).

The Total milk production with Colostrum during the year was 1,05,885Kg. Average Peak Yield was 13.83 kg. The income generated in the project during the year under report was 84.89 lacs. Milk production per lactation of Average Cows was 2065.17 (kg). The improved Germplasm (29 Bulls) were distributed to the Gaushala, Grampanchayats, NGOs and other development agencies. The progressive breeders take the female Rathi cows of higher genetic value.

AHDP institute has been started since 1<sup>st</sup> November 2011. The Twelfth batch consists of 46 students in First year and 47 students in Second year of the two year diploma Programme.

#### 6. Livestock Research Station Dag, Jhalawar

Livestock Research Station, Dag, Jhalawar was established in the year 2015. The project was started by purchasing of 114 Malvi Cattle from native tract of Malvi i.e. in the border area of MP and Rajasthan. The main objective of the project is to establish a herd performing Malvi cows to act as open nucleus farm of this breed and its conservation to strengthen Heritage gene bank of the State. The Malvi cattle herd strength for the year under report was 616 out of which 421 were females and 195 were males of different age group. Average Cows in milk were 70 and total milk production was 56,285.55kg. The overall wet average was 2.23kg and herd average was 1.16 kg. Total Revenue Generated from the farm through sale of milk, animals, fodder, seed grains, waste wood etc. was 99.3082 lacs. Total 19 Male germplasm were distributed during 2022-2023.





### 7. Livestock Research Station, Bojunda

Livestock Research Station, Bojunda, Chittorgarh was established for Sirohi breed of goat for conservation and improvement of the breed through improved bucks distributed to goat breeders. Fodder and crop production is currently undertaken at the station for feeding of livestock and income generation of the station. The Flock Statics for the year under report was 253 out of which 222 were females and 31 were males of different age group. Total Revenue generated was Rs.31.18878(lacs) from farm section, 55.90954 (lacs) from goat section, 305.41049 (lacs) from AHDP institute.



### 8. Livestock Research Station, Vallabh Nagar

Livestock Research Station, Vallabh Nagar was established to conserve indigenous germplasm of Gir cattle available in various parts of Rajasthan and its dissemination for breed improvement. Gir is a world-renowned breed known for its tolerance to stress conditions. Having faced scarcity for a numbers of years, it has the capacity of yielding more milk with less feeding and is resistant to various tropical diseases.

#### Projects running under this centre are:

- Gir Cattle Breeding Farm
- AICRP Sirohi field Unit (ICAR).
- Network project on buffalo improvement (ICAR)

The herd strength for the year under report was 192 out of which 134 were females and 58 were males of different age group. The overall wet average was 6.0 kg and herd average was 4 kg was recorded during the reporting year. The Total milk production during the year was 77292.5Kg. Average Peak Yield was 9 kg. The income generated in the project during the year under report was 52.10 lacs. Milk production per lactation of Average Cows was 2279 (kg).



### 9. Livestock Research Station, Dholpur

Livestock Research Station Dholpur was established as Goat Breeding Farm for Demonstration and Dissemination of Remunerative Goat Farming System as Multipurpose Goat Development Centre (MGDC). The main objective of the project is Breed improvement in goat for the milk and meat purpose and Conservation of indigenous breed of goats. The herd strength for the year under report was 132 out of which 86 were females and 46 were males of different age group. Ten-days training for total 60 People in two batches (30 People in each batch) (Entrepreneurs/ Farmers/Goat rearers) on the topic 'Scientific and organic methods of Goat Farming and Management' from 05.01.2023 to 14.01.2023 and 19.01.2023 to 28.01.2023 under LEDP project of NABARD through Manjari Foundation with their funds. Organic Certification of Farm Livestock, Livestock Products and Farm vegetation (Agricultural Products) done by Authority of Organic Certification, Rajasthan State Organic Certification Agency (RSOCA), Pant Krishi Bhawan, Jaipur.



### State Plan Projects :

#### 1. Apex Centre for Animal Disease Investigation, Monitoring and Surveillance, CVAS, Bikaner

The work carried out by Apex Centre during 2022-23 has been distributed under the various subheads. Nine disease outbreaks reported to Apex Centre in poultry, goats, horse and cattle were attended by Apex Centre team at different locations of which were diagnosed due to heat stroke in poultry, five due to lumpy skin disease in cattle, one in goat due to PPR, one in horse due to Glanders and one in goats due to hypothermia. Various clinical and morbid samples were collected from different hospitals of Department of Animal Husbandry, and private owners and were processed in the Apex Centre laboratory to determine the etiology of the ailment, to confirm the disease, to suggest suitable treatment or preventive measures etc. The Centre is providing telephonic consultancies extensively to field vets and paravets as and when it is required.

Twelve monthly disease forecast bulletins were prepared by Apex centre, CVAS, Bikaner and submitted to Public relation cell RAJUVAS, Bikaner for publication and distribution in the state. Throughout the year various field veterinary officers, para veterinary staff, other officers and farmers from state and outside state were provided consultancy (in person as well as on mobile phone) in regards to disease diagnosis, sampling, preventive measures, vaccination strategies etc.



Work Done at A Glance	No.
<b>Samples Analysed in laboratory</b>	
Bacterial infections including Culture and antibiotic sensitivity (Blood, Milk, Urine, Pus, Faeces, Impression smear, Swab, Aspiratory fluid)	60
Blood	35
Faeces	10
Urine microscopy and biochemical examination	5
Brucellosis testing animals	317
Brucellosis testing human	05
Total samples analysed	432
Outbreaks attended in field	9
Five days Training programme on "Nucleic acid and Protein based Techniques for the Detection of Pathogens"	1
Sero-surveillance	1
Monthly Disease forecast bulletin	12

#### 2. Animal Bio Medical Waste Disposal Technology Centre, CVAS, Bikaner

The Animal Bio Medical Waste Disposal Technology Centre (ABMWDTC), RAJUVAS, Bikaner was established to create awareness among health professionals and public for safe disposal of animal bio-medical waste. Four Trainings were organized by centre on 21st December 2022 for Live Stock Assistants of Department of Animal Husbandry, Bikaner, Govt. of Rajasthan, 22nd December 2022 for M.V.Sc and Ph.D. students of Clinical departments, CVAS, Bikaner, on 22<sup>nd</sup> February 2023 for Live Stock Assistant (Ganganagar, Churu and Hanumangarh Districts) Department of Animal Husbandry, Govt. of Rajasthan and on 18<sup>th</sup> March 2023 for M.V.Sc and Ph.D. students. Total 92 persons & students were trained during these trainings. Awareness campaigns for the students in schools were also conducted. Approximate 300 students from different schools of Bikaner were sensitized by distributing posters, pamphlets and through lectures every month.



### 3. Centre for Organic Animal Product Technology, CVAS, Bikaner

The centre is proposed with mandate to develop knowledge centre to impart, disseminate and promote organic animal products husbandry in the state and to encourage and carry out research in identified areas for promotion of organic livestock production and processing. In recent years organic farming is emerging and demand for organic animal products is high. Very less organic animal products such as milk and meat are available and are not getting proper market value. This centre will work as knowledge centre on latest technology in this field and promote the organic livestock production and processing.

Farmers of state regularly advised and promoted for organic animal production by RAJUVAS helpline services, Mobile advisory services, SMS services and Whats app services.

S. No.	On-Campus/ Off-Campus Training	Date	No. of Participants
1.	On-Campus	10-11 February 2023	30 Farmers
2.	Off- Campus	14 March 2023	17 Farmers
3.	On-Campus	15-16 March 2023	11 Farmers

### 4. Centre for Ethno Veterinary Practice and Alternative Medicines, CVAS, Bikaner

The main objective of the centre is to derive information on ethno-veterinary practice and alternative medicine and development of protocol for their use in veterinary and animal science to support health and production and to make livestock rearing economical. The centre has developed research based herbal products like herbal soap, hand wash, hand sanitizer, liquid supplement beneficial in improving digestion, herbal powder against impaction, herbal powder helpful in mastitis, herbal anti-diarrheal bolus etc.



### 5. Livestock Feed Resource Management and Technology Centre, CVAS, Bikaner

As per the mandate of the project, work was taken up objectively in terms of identification of non-conventional feed resources (NCFR) and exploration of their utilization in animal system. A total of 119 samples were analysed in the laboratory for feed and fodder analysis. In respect with objective of formulation of least cost formulation (LCF), centre prepared 9864.95 Kg mineral mixture, 162057.75 Kg Cattle feed and 2229.12kg RAJUVAS Immuno booster for LSD affected cattle. Total 69097.20 Kg feed for various categories of poultry was manufactured at Cattle Feed plant installed at LRS Bikaner and provided to Poultry Farm, CVAS, RAJUVAS, Bikaner and KVK Nohar during the year 2022-23 (up to 31.03.2023. 366 Kg Mineral mixture returned back to Officer Incharge, LRS, Beechwal and 10 kg mineral mixture to DEE, RAJUVAS, Bikaner for exhibition. This centre is providing Technical input and feed formulation to all LRS of university as and when required.



This centre has prepared approx 1500 Sewan seedlings in nursery at LFRMTC field under the grassland development programme of the centre. The centre has provided more than 11,590 hybrid Napier cuttings to livestock owners, gaushalas, progressive dairy farmers and LRS, Beechwal. The centre is actively engaged in research on improvement in nutrient content of feed resources. The centre is actively engaged in utilization of compost, vermin compost and vermin wash. These vermin compost and vermin wash are using in LFRMTC field for improvement of soil fertility and production of fodder organically.



As an extension output of the centre, quarterly Hindi bulletin "Pashu Aahar Evam Chara Bulletin" is released for the farmers, which provides vital information and package of practices to the farmers.

### 6. Engineering and Technology Centre for Animal Science, CVAS, Bikaner

The main aim of establishing engineering and technology centre is to utilize the importance of engineering and technology in the field of veterinary and animal sciences. This Department also provide indirect support to all other departments mainly in the field of civil and mechanical work for adoption of latest technologies available.

This centre has developed a new prototype of steel made phantom box which is being used in the Gynecology department. The Engineering and technology centre is also engaged in developing a new prototype of Vaginoscope for cattle in the workshop; that could be useful for students in learning the insemination of technique in cattle.

**Teaching Work:-**

1. ETCAS is taking classes for Cyber Crime course running in First Professional BVSc & AH having credit load of 1+0.
2. Workshop practical's for students of College of Dairy Science & Technology, Bikaner are conducted in the ETCAS regularly.



**7. Centre for Excellence for Use of Space-based Technology in Animal Science, CVAS, Bikaner**

Centre for Excellence for Use of Space-Based Technology in Animal Science, RAJUVAS is a Network Centre of IIRS-ISRO. IIRS mission is to provide the Nation Space based services and to develop the technologies to achieve the same independently. The live and interactive courses are available through internet without any cost to the users.

RAJUVAS Geo Portal is prepared under Centre for Excellence for use of Space Based Technology in Animal Science, RAJUVAS, Bikaner (advanced research centre) for research and development in the field of Veterinary Science, of which data has been shifted on website and stand by for broadcasting in near future. It is an initiative to make a platform for better transfer of technology and services to farmers through geo tagging and geo mapping of various segments of University. The GIS mapping of Constitutional Park, Gardens of RAJUVAS Bikaner and two Registered Goshalas of Bikaner has been done. The Geo-tagging of Solar Plants located at CVAS Bikaner, PGIVER & CVAS Navania RAJUVAS, Wildlife Sanctuaries, National Parks and Tiger Reserves of Rajasthan has been done.

During reporting year the centre coordinated some online workshops successfully viz. Challenges and Opportunities for Geospatial Technology Applications in Irrigation Water Management (May 17, 2022), Planetary Exploration of the Moon and Mars: Findings from Indian Remote Sensing Missions (May 20, 2022), Water Quality Studies using Hyperspectral Remote Sensing for the Indian Coastal and Inland Waters" (05 August, 2022), Applications of Geospatial Technology in Paleochannel Studies: Potential And Future Trends (October 11, 2022), UAV Remote Sensing" (21st November, 2022).

**8. Centre for Conservation of Animal Biodiversity, CVAS, Bikaner**

This centre was proposed with mandate to document, conserve and propagate Animal Biodiversity in the state of Rajasthan. Centre has conducted a health care camp to aware regarding animal biodiversity with the knowledge of seasonal diseases. A total 21 farmers was participated. Centre has conducted awareness training programme for framers/students of Sirohi District, of Rajasthan with the aim of improving knowledge and richness of Nation's Biodiversity and different aspects of its conservation. A total 18 farmers participated. A total of 454 students of different schools were sensitized on the topic "Biodiversity and its conservation" in reporting year. A Quiz competition was also organised for the students on world biodiversity day (22 May 2022). A Radio talk was done in All India Radio (Parsar Bharti), Mount Abu, Sirohi on 15 Oct. 2022 in which people's were apprised of causes and prevention of lumpy skin disease .



### 9. Centre for Studies on Wildlife Management and Health, CVAS, Bikaner

The centre was established to work as knowledge centre for wildlife protection and propagation and to design strategies for protection of endangered species of wildlife. The centre has extended its technical support to the wildlife department in organization of animal camps near wildlife conservation areas to treat infectious and non-infectious diseases in livestock and to educate the farmers/villagers about care, protection and welfare of wildlife. The centre is also continuously monitoring the migration patterns of native wild birds to and from Jorbeer Conservation Reserve, Bikaner in relation to the environmental factors influencing it.

The centre is also helping in rescue and treatment of sick and critically injured wild animals and birds. Consultancy to personnel engaged in wildlife activities is being provided as and when needed. The centre has been involved in treating disease outbreaks in wild animals and birds which were brought to the VCC of CVAS Bikaner. This year total 74 wild animals of different species (Deer-56, Monkey-05, Peacock-11, Tortoise-02) were treated by P.I., C.S.W.M.H at VCC, CVAS Bikaner. The centre is continuously carrying out studies on migration patterns of native wild birds from Jorbeer Conservation Reserve, Bikaner. By using the data of Jorbeer Conservation Reserve, variations in environmental temperature, Humidity and wind velocity in relation to the native wild birds were recorded and analyzed.

S.No.	Name of bird	Maximum population recorded at JCRB (2022-23)	Most favourable month of occurrence
1.	Egyptian vulture	2250	February
2.	House crow	1100	February
3.	Cattle egret	391	January
4.	Black Ibis	400	January
5.	Eurasian thick-knee	30	January
6.	Lagger falcon	25	Aug, Sept
7.	Punjab raven	20	November
8.	Imperial eagle	12	November
9.	Tawny Eagle	10	Dec., March
10.	Long-legged buzzard	11	December
11.	Indian roller	10	October
12.	Booted eagle	2	November
13.	Black-winged kite	4	December
14.	Common Kestrel	3	August
15.	A Cuckoo	4	Dec., Feb

### 10. Vaccinology & Biological Product Research Centre, CVAS, Bikaner

The centre was established for Maintenance and updating of bacterial type cultures for Veterinary Biological, Development of newer vaccine alternates, Development of biological products, Evaluation of good manufacturing practices and training of personnel engaged in production of Veterinary Biological. During 2022-2023 two complete specifications (patents) are in examination. One of which is entitled "Novel primer sets for amplification of BLG gene, DNA based kit and method for detection of BLG gene" envisages the novel primers for LAMP can be used in detection of adulteration of cattle milk in camel milk. The other entitled "Novel primer sets, rapid test kit for detecting point mutation in booroola fecundity gene and method thereof" is focused on identification of uniparous and multiparous sheep animals. One clone of *Pseudomonas aeruginosa* containing cloned sgRNA has been successfully obtained as a part of gene editing using CRISPR/Cas9 technique for the purpose of manipulating pathogenic genes. Two PCR based methods for diagnosis of Lumpy Skin Disease have been standardised. The methods have found to be having improved sensitivity and selectivity over the existing method as described by OIE. Total 67 Internees were trained at Vaccinology Centre on the topics related with types of vaccines, its production methods and uses.



### 11. Centre for Disaster Management Technology for Animal

The centre was established to develop the centre as vision to be recognized as a vibrant centre of excellence for knowledge and capacity building on disaster management. Center has published Training Manual entitled "दुष्का चत्पादन एवं पशु प्रबंधन तकनीक".

A team from RAJUVAS, Bikaner, and Centre for Disaster Management Technology for Animals organized Lumpy Skin Disease Awareness Camp at panchayat samiti kolayat and Haddan Village on 6<sup>th</sup> August 2022. Air Conditioned Wards for Heat Stroke and Burn Cases were developed at Centre for Disaster Management Technology for Animals RAJUVAS, Bikaner. A Fire-Proof Cattle Shed was developed to prevent fire Incidents in the dairy animals. During 2022-23 Faculty of

this centre attended online Faculty Development Programmes, Trainings, Webinars etc. Total numbers of 11 livestock of heat stroke and burn cases were treated in Disaster Management air conditioned ward of this centre in 2022-2023

S.No.	Training	Days	Participated
1.	Aapda Mitra Scheme Training	Twelve days	300 Volunteers
2.	Farmers Training On Milk Production and Animal Management	Five days	30 farmers & livestock owners
3.	Five Days Farmers Training Under Atma Project (Nagaur); Milk production and Animal Management.	Five days	30 farmers & livestock owners
4.	Two Days Farmers Training Under Atma Project (Bikaner):	Two days	30 farmers & livestock owners
5.	Two Days Farmers Training Under Atma Project (Bikaner):	Two days	30 farmers & livestock owners
6.	In-Campus Training for NCC Cadets	One days	28 NCC Cadets
7.	In-Campus Training for Farmers & Livestock owners	One days	22 Farmers & Livestock owners



### RKVY Projects:

#### 1. Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases, PGIVER, Jaipur

As per the mandate of the project different districts of Rajasthan were covered for the study of prevalence of zoonotic diseases Jaipur, Dausa, Sawai-Madhopur, Karoli, Dholpur, Alwar, Sikar, Kota, Jodhpur, Ganganagar, Sirahi, Bharatpur, Churu, Dungarpur, Tonk, Ajmer, Nagaur, Chittorhgarh, Bikaner, Jaismere etc. Awareness seminars for school students and teachers about zoonotic diseases, about the etiology, clinical signs, transmission route, pathogenesis, diagnosis, prevention & control was conducted in Keshav Vidyapeeth Jamdoli on the occasion of world zoonoses day 2022. In which 4000-5000 students participated. Free Anti Rabies Camp was organized on 06.07.2022 and 28.09.2022 on the occasion of World Zoonoses Day, 2022 and World Rabies Day, 2022. On 29.9.2022 in Govt senior secondary school, Ghati karolan, Jaipur an awareness program for students and teachers were conducted in which almost 400 students and teachers participated.



#### 2. Establishment of Biosafety level 3 (BSL-3) facility for diagnosis of emerging Zoonotic disease

The key to this kind of project's success is a strong institutional commitment to Biosafety norms, adequate fund availability, careful planning and designing, hiring a good construction agency, monitoring by an experienced consultancy agency, and scientific and engineering involvement personnel with bio-containment experience in the process. Construction site selection and risk assessment of the area for the creation of BSL-3 lab has been completed. The contractor and different dignitaries, scientist have visited the area and approved the site for construction. Contacted with different firms (Biosafe, Biooxia, Febtech and NIV Pune etc) to get idea for the development of laboratory. Technical Committee has been created including one technical expert and engineer in charge. Initial construction of BSL-3 Laboratory is completed.



#### 3. RKVY project for "Farmers Training and Hostel Facility"

To make effective farmers scientists' interaction and efficient dissemination of technologies developed by Rajasthan University of Veterinary and Animal Sciences, Bikaner, on campus trainings will be organized at this centre. It will be a facility center having lodging facility for the farmers and livestock owners which will assist in efficient dissemination of technologies generated and making them aware of various Government schemes. This will help access to the research & demonstration units to get hands on information on technologies by farmers.

## ICAR Projects:

### 1. AICRP on Genetic Improvement of Marwari Goats in Farmers' Flocks at CVAS, Bikaner, CVAS, Bikaner

A field unit of Marwari goat is functioning as a part of AICRP goat improvement project at RAJUVAS, Bikaner Rajasthan to improve the production performance of Marwari goat in the farmer's flock. Selection is the main tool used for this purpose. Today, in the breeding tract of Marwari goat six clusters are maintained at Deshnok, Daiya, Kalayansar, Raisar, Kan Singh Ki Sird and Jaimalsar. A Buck Rearing Centre is also functioning at Livestock Research Station, Kodemdesar (RAJUVAS, Bikaner) for rearing of elite breeding bucks. These elite bucks are distributed to the farmers. Four one day trainings were organized for registered farmers during 2022-23 in which 69 farmers were benefitted. The performance recording on growth, milk yield, reproduction, health etc. were done on 1751 breedable does and followers under the coverage area. A total of 83 farmers were registered under the unit and 20 new bucks were distributed to registered farmers. The population growth was 109.90% for all the clusters of this unit during this financial year. The body weight at birth was improved by 19.18% over the baseline performance (2.257 kg). The lactation performance in term of the average milk yield was  $62.4 \pm 0.190$  liters in 60 days  $86.70 \pm 0.275$  liters in 90 days and  $94.33 \pm 0.304$  liters in lactation yield and lactation length  $109.04 \pm 0.174$  days during 2022-23. The kidding percentage and kidding rate was 97.28% and 1.04, respectively during the reporting period. The registered goat breeders were provided preventive and curative health coverage. The total numbers of case covered under health coverage were 34,101 which included both prophylactics (79.50%) and curative (20.50%). Out of total 27112 prophylactic measures, 11202 were for endo-parasite, 1960 for ecto-parasite, 2000 for mineral deficiencies, 3100 goats were vaccinated for ET, 3000 goats were vaccinated for FMD, 2900 goats were vaccinated for Goat pox and 2950 goats were vaccinated against PPR vaccination for this financial year.



2. AICRP on Genetic Improvement of Sirohi Goats in Farmers' Flocks at LRS, Vallabh Nagar, Udaipur

On-going AICRP on goat improvement (Sirohi field unit) came in to financial existence with the objective to bring about the improvement in the farmers flock. During report period, 1187 kids were born out of which 598 were males. Total 542 males were sold out of which maximum 125 males were sold from adult age group. During the year total sale of animal was 1001. During report period 7142 animals were dewormed, and 9278 treated to control ecto-parasite. Further, 2987, 1945 & 2015 animals were vaccinated for ET, PPR, & Goat Pox respectively. The data on growth, lactation and reproductive performance of Sirohi goats under field conditions were recorded and analyzed. The closing balance of the registered flock was 2905 animals including 1773 adult females. During report period, 1187 kids were born out of which 598 were males. Total 542 males and 459 females were sold out of which maximum 125 males were sold from adult age group. Under the project Five clusters are maintain having 1773 adult females



### 3. Network Project on Buffalo (Surti) Improvement at LRS, Vallabh Nagar, Udaipur

An elite herd of Surti buffalo with herd strength of 120 is being maintained at LRS. Revenue generated during the reporting year was (Rs.): 1525253. Average production performance of Buffaloes in terms of Av. Lact. Yield (kg) was  $1591.53 \pm 67.56$ , Av. Lact. Length (days)  $355.79 \pm 18.66$  and Av. Peak yield was  $8.23 \pm 0.37$  during 2022-23. Total Milk Production during reporting year was 37694.3 kg. Six Set of bulls completely evaluated with 13,688 doses of Proven Surti Bulls. Test mating from IX set completed. Test mating of X set underway. Training of bulls for XI set started. The supply of high pedigreed test bulls as well as semen of test bulls and progeny tested bulls has helped in improving the scenario of Dairy Farming in the region



### 4. Mega Sheep Seed Project (Sonadi) at Livestock Research Station, Vallabh Nagar, Udaipur

Sheep Seed Project aims at improvement of indigenous breed through distribution of elite germ plasm in native tract selection for better growth and wool production. A total of 64 free breeding rams were disseminated in field for breed improvement. The one day training programme was organized at MSSP, CVAS, Navania in which 50 registered farmers of TSP area and 25 SC registered farmers was actively participated.

Remarkable improvement was reported in most of the reproduction traits like weight at first lambing and service similarly age at first successful service etc. from previous years. In 2022-23, a sum of total 72580/- Rs. revenue was generated. Ear tagging of 1098 animals at farmers flock



### **5. All India Network Programme on Diagnostic Imaging and Management of Surgical Affections in Animals at CVAS, Bikaner.**

Orthopaedic affections in 280 small animals, 651 large animals, 42 wild/zoo animals and birds were treated by internal fixation technique like SOP plating, elastic nailing, Intramedullary Pinning, Bone Plating, Interlocking Nailing and external fixation techniques like Splints, circular ESF, and linear ESF etc. Cases of spinal injury in 17 canines were managed by rehabilitation by Dog Cart and 38 downer large animals by orthopaedic rehabilitation with slings and "Downer Animal Bay". Minimum invasive surgery (Ovarietomy/Ovariostereotomy) using Laparoscopy was done in 24 canines and 5 felines. Minimum invasive soft tissue surgery by diode LASER in canines was done for various surgical affections in 59 cases. Minimum invasive soft tissue surgery by CO<sub>2</sub> LASER in canines was done for various surgical affections in 55 cases. Computed Tomography (CT scan) examination was performed in 142 clinical cases in dogs and cats affected with various disorders involving Head, neck thorax, spine and appendicular skeleton. Ophthalmic affections were recorded and treated in 63 small and 69 large animals for various ailments of eye. Cataract surgery was performed in 9 cases using Phacoemulsification and extra capsular lens extraction technique. Electroretinography (ERG) was done in 13 canine cases of cataract, corneal ulcers, and opacities. Six Doctoral research and 8 M.V.Sc. research has been done and 21 Research Articles were published under AINP on DIMSCA during 2022-23.



### **Revolving Fund Project**

#### **1. Green Fodder & Seed Production at Livestock Research Station, Beechwal, Bikaner**

The crops (cash and fodder) were cultivated as per requirement for the purpose of feed and fodder for animals of the station and other units of the University and revenue generation. Recently Sewan and Napier grasses (prepared at nursery of LFRMTC) has also introduced at LRS, Beechwal for animals under revolving fund. This station has shown its capabilities to produce seed of crops useful for livestock feed and fodder besides earning of handsome revenue. Seed and Grain production during financial year 2022-23 is as under.





S. No	Particulars	Production (Qtl.)	
1	Green fodder	6728.31 (2112.89 Qtl . sold tom LRS Bikaner)	
2	Dry Fodder	Groundnut Fodder	304.35
		Wheat straw	174.80
		Gram/Moong/Guar Fodder	45.40+8.00+97.59=150.99
		Total Dry Fodder	630.14
3	Groundnut	88.50	
4	Wheat Grain	67.40	
5	Gram	10.50	

### 2. Sirohi Goat Breeding Project at Livestock Research Station, Beechwal, Bikaner

A Sirohi goat unit was started to strengthen the livestock activity with the objective to develop as a model Sirohi goat breeding farm for demonstration of farmers. Till March-2023 Strength of Sirohi Goat was 221 in which 69 were male and 152 were females. A total of 19 goats (Bucks and Doe) were sold to CSWRI, Bikaner and progressive farmers on book value during 2022-23.



### 3. Preservation and articulation of bones of different species of animals to enhance the teaching quality of Veterinary Anatomy at CVAS, Navania, Udaipur

The Project was sanctioned for Preservation & Articulation of Bones of different species of animals to enhance the teaching quality of veterinary anatomy.



### 4. Preparation and Supply of ORS for Calves at CVAS, Navania, Udaipur

The Project- Preparation & supply of ORS for animals to correct the dehydration, loss of energy and electrolyte imbalance in animals affected with various diseases has been completed. Complete payment of Fund received from the university has been made.

### 5. Pilot Project on Alternate Energy Generation through Biogas based Electricity Production at CVAS, Navania, Udaipur.

Biogas and electricity production – Cooking gas supply to College departments and girls hostel- with kind cooperation and permission of Dean CVAS Navania and this has been started. Electricity to four department of the college and hostel have been started. Bio-fertilizer -Enriched vermi-compost with Earthworm gut microbe has been developed and is being marketed with name of Mridaamrit. Mridaamrit liquid fertilizer has been developed and is



being marketed with name of Mridaamrit liquid. Research on earthworm gut Micro flora as source of antibiotic is being conducted.

**6. A Pilot project on production of indigenous milk products at CVAS, Bikaner**

The Project was sanctioned to encourage students for self-employment generation in processing and development of indigenous milk products and to explore entrepreneur skill among veterinary students. Different milk products like Panceer, Lassi, ghee, skimmed milk were prepared and sold. Revenue generation from the sale of various milk products like panceer, lassi, ghee and skimmed milk during the year 2022-23 was as under.

Product	Sale	Income (Rs.)
Panceer	955 pkt.	66550
Lassi	15319 lit.	153190
Ghee	656 lit.	462250
Skimmed milk	17619 lit.	246668
<b>Total</b>		<b>9,28,658</b>



**7. Processing and marketing of Milk and Milk products at CVAS, Navania**

The project was sanctioned by university to increase learning outcomes, employability, and entrepreneurship among the students. Till date the 100% amount returned to the university (i.e. 1,00,000/-). A hands-on-training on preparation of milk products was organized for internship students from 13.03.2023 to 20.03.2023.



**8. Fodder and seed production through Revolving Fund at Livestock Research Station, Chandan, Jaisalmer.**

Fodder Produced at farm was Rijka and Rijka Bajri as green fodder. The whole green fodder is being feed to Tharprakar cattle and Marwari goats.

**Total Income & Expenditure during 2022-23**

Fodder and Fodder Seed Production	Income	Expenditure
	582681.00	211882.00

**9. Development and conservation of Marwari goat at Livestock Research Station, Chandan, Jaisalmer.**

Mostly bucks were sold on the age of 12 month of age. The rate of breeding bucks and goats were decided by the university committee that were 270Rs./kg live body weight. Total 15 males and 04 female were sold during this year. Total Flock Strength was 253 (Goat 152, Female kids 57, Male kids 44) during reporting year. Total Income Generation in 2022-23 – Rs. 142114/- Rs. 4.5 Lacs was deposited to the University after refund of total Allocation .



**10. Income generation through Farming activities at Livestock Research Station, Bojunda, Chittorgarh**

Fodder and seed production (Revolving Fund Project): The main objective of the project was to develop and utilize the land of station and generate income through farming activities such a fodder production, seed production Programme and growing of commercial crops.

Revenue generated during 2022-23 was Rs.16.21719 Lakhs. A total of 318.40 Qtl Green Fodder (Rijka and Berseem), 719.95 Qtl Dry Fodder and 588.60 Qtl grains were produced was produced during 2022-23.



**11. Revolving Fund Project for Cattle Feed and Mineral Mixture Plant (CFMMP)**

As per the mandate of the project, work was taken up objectively in terms of creating awareness among farmers about feeding of cattle feed and mineral mixture to livestock and providing units of RAJUVAS and progressive farmers. In respect with above objective centre prepared total of 9864.95 Kg mineral mixture, 162057.75 Kg Cattle feed, 2229.12 kg RAJUVAS Immuno booster and 69097.20 Kg Poultry feed at cattle feed and mineral mixture plant established at LRS Bikaner till 31.03.2023. As the main objective of the project undergraduate and post graduate students regularly visit for their exposure to scientific cattle feed and mineral mixture production for skill development in the field of feed technology.



**Advance Research Centers, RAJUVAS**



**Livestock Research Stations, RAJUVAS**





## Extension Activities

The extension activities of the university is carried out under Directorate of Extension Education. The main function of Directorate of Extension Education is to plan, coordinate, organize and guide the extension education programmes in the University and to ensure efficient working of the extension education activities. Under the aegis of Directorate of Extension Education, the work of the field extension is mainly carried out through University's colleges, Krishi Vighyan Kendra, Pashu Vigyan Kendras and centres sanctioned under State plan for the livestock, dairy, poultry and fish farmers. Faculty members from different departments of the constituent colleges of university contribute through participation in clinical camps, disease outbreak reporting and visits to departments and were involved as resource person for enhancing the quality deliverance to farmers during trainings and other activities.

For strengthening the extension activities, various programmes are being implemented through projects sponsored from the agencies like ICAR, RKVY, ATMA and other government and non-government organisations.



### Broad Objectives:

- To formulate and impart in-service training to different categories of officers and functionaries from line departments of Government of Rajasthan and Non-Government Organizations.
- To conduct short and long duration vocational trainings for farmers, farm women, youth and school dropouts of the State.
- To assess and refine the latest Animal Husbandry technologies through front-line demonstrations for their wider adoption.
- To provide farm information services through various extension activities including literature for quick dissemination of technology

### Over View of Activities

- ❖ PashuVigyan Kendra have been functional at Bakalia (Nagaur), Suratgarh (Sri Ganganagar), Kumher (Bharatpur), Bojunda (Chittorgarh), Malpura (Tonk), Dungarpur, Sirohi, Kota, Ratangarh (Churu), Dholpur, Lunkaransar (Bikaner), Jodhpur, Jhunjhunu, Jobner (Jaipur) and Jalore. The building of Jhalawaris under construction. A new PVK at Jojawar (Pali) is sanctioned by state government in this financial year.
- ❖ A KrishiVigyan Kendra (KVK) at Nohar (Hanumangarh-II) has been established and functional.
- ❖ Radio Programme "Dhine Re Batyaa" for livestock farmers form 17 All India Radio Stations of Rajasthan is broadcasted on third Thursday at 5:30 to 6:00 PM every month.
- ❖ Trainings for the livestock farmers are conducted regularly by DEE, PVKs and KVK..
- ❖ Animal treatment camps on infertility are organizing regularly.
- ❖ DEE is regularly bringing out monthly publication "PashuPalanNayeAayam".
- ❖ Toll free helpline i.e. 1800 180 6224 is working for the benefit of livestock farmers, veterinary doctors and students.
- ❖ Arranging exhibitions in State and National level fair organized for the farmer's community.

### Krishi Vigyan Kendra, Nohar (Hanumangarh-II)

The first "Krishi Vigyan Kendra" was sanctioned to the University by ICAR, New Delhi at Chak-27-NTR, Nohar (Hanumangarh) on 100% financing basis. From the available land of LRS, Nohar 81 bighas land was allotted for the KVK by the University. The KVK started its functioning on 9<sup>th</sup> April, 2012. The KVK is actively engaged in on farm trials, front line demonstrations, on campus and off campus farmers and farm women trainings and other extension activities such as field day, Kisanmela, Kisanogoshi, exhibition, method and result demonstrations, scientific visit to farmers field, exposure visit of farmers, animal health camps and farm science club and self help groups conveners meet etc. The KVK is very helpful for transfer of new techniques and technology to the farmers and livestock owners. The University is marching ahead to transform it to a model KVK where provisions will be made to provide latest knowledge and new technologies to the farmers besides updating their skill and competence.

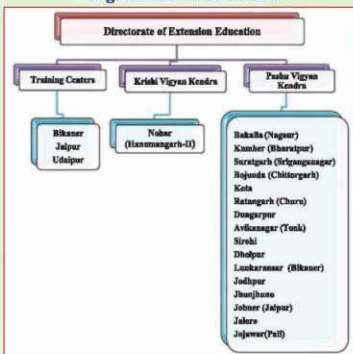


### Objectives:

- ❖ Organize front line demonstrations on proven technologies to generate production data and feed-back information.
- ❖ Conducting on farm testing for identifying technologies in terms of location specific sustainable land use system.
- ❖ Organize short term and long term vocational training courses in agricultural and allied sectors for farmers and rural youths with the emphasis on learning by doing for higher production on farms and generating self employment.
- ❖ Organize trainings to update the extension personnel with emerging advances in agricultural research on regular basis.
- ❖ Work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district.

Extension Education is one of the pillar of the University, is working for the technology transfer to the farming community through its various programmes. Under the aegis of the Director Extension Education, one KrishiVigyan Kendra, Nohar and 15 PashuVigyanKendras are working in different districts of Rajasthan. The KVK is actively engaged in on farm trials,

### Organizational Structure





front line demonstrations, on campus and off campus farmers and farm women trainings and other extension activities such as field day, kisanmela, kisanGosthi, exhibition, method and result demonstrations, scientific visit to farmers field, exposure visit of farmers, animal health camps and farm science club and self help groups conveners meet etc. The KVK is very helpful for transfer of new techniques and technology to the farmers and livestock owners. The PVKs are actively involved in imparting skill based trainings and capacity building initiatives for the farmers and the unemployed youth across the state. PVKs are also providing consultancy services to the livestock farmers according to their problems in the field of animal husbandry and providing disease diagnostic services to them by testing of blood, faecal, milk and urine samples at PVKs laboratory. Thus, four principal functional areas of the PVKs are trainings, advisory services, transfer of technologies and diagnostic facilities



PashuVigyanKendras at Bakalia (Nagaur), Suratgarh (Sriganganagar), Kumber (Bharatpur), Bojunda (Chittorgarh), Ratangarh (Churu), Avikanagar (Tonk), Dungarpur, Sirohi, Kota, Dholpur, Lunkaransar (Bikaner), Jodhpur, Jhunjhunu, Jobner and Jalore have become operational. The construction of building of Jhalawar is under construction. A new PVK at Jojaware (Pali) is sanctioned by state government in this financial year.

### 1. Organization of training programmes:

#### (i) Training Programmes by Directorate of Extension Education:

Directorate of Extension Education organized 09 training under Agricultural Technology Management Agency (ATMA). Total 278 farmers were participated and benefited.

S. No.	Name of Activities	No. of Activity	Participants								Total
			Male				Female				
			SC	ST	Others	Total	SC	ST	Others	Total	
1	ATMA Trainings	09	54	-	213	267	6	-	5	11	278

#### (ii) Training Programmes by KVK, Nohar:

The trainings are regularly imparted as an extension service to the farmers on all aspects of agriculture, horticulture, home science and animal husbandry. Total 48 training programmes were organized by KVK Nohar and 1323 farmers participated and benefited.

#### (iii) Training Programmes by PashuVigyanKendras:

The trainings are regularly imparted as an extension service to the livestock owners and farmers on all aspects of animal husbandry; so as to improve animal husbandry practices in the state for improved productivity of animals and better livelihood of the farmers. Total 724 online/off campus and 108 on campus trainings were organized and 22604 farmers were participated and benefited.

#### Technical Achievements:

S. No	Name of Activities	No. of Activity	Participants								Total
			Male				Female				
			SC	ST	Other	Total	SC	ST	Other	Total	
1	Off Campus/Online Trainings	724	2984	626	11692	15302	856	788	2504	4148	19450
2	On Campus Trainings	108	753	48	1243	2044	515	79	516	1110	3154
3	Transfer of Technology/ Demonstration	160	631	107	1562	2300	180	224	284	688	2988
4	Laboratory Diagnosis										
	Blood Sample	120	16	3	87	106	4	3	5	12	118
	Faecal Sample	1244	113	14	915	1042	18	6	64	88	1130
	Urine Sample	390	82	0	189	271	42	0	77	119	390
	Milk Sample	2157	224	22	1537	1783	70	9	148	227	2010
	Skin Scraping	38	7	0	30	37	0	0	1	1	38
5	VicharGosthi	204	800	163	2516	3279	366	261	824	1451	4730
6	Farmer-Scientist Interaction	57	288	49	1337	1674	127	101	273	501	2175
7	Awareness camps in school/college/panchayat etc. regarding Veterinary Profession	93	379	116	1410	1905	223	159	989	1371	3276
8	Field visit to provide Veterinary consultancy services	116	95	80	498	673	20	14	119	153	826
9	PashuMela/KisanMela	1	173	-	721	894	39	-	97	136	1030
10	Review (Feedback) of Livestock Farmers	17	32	31	99	162	19	44	32	95	257

**(iv) Training programmes organized by other Centres of RAJUVAS:**

A total of 40 trainings were organized by CVAS, Navania, state plan centres and Livestock Research Station, Bikaner in year. Total 1494 participants benefited.

Centre/Scheme/Project	No. of Trainings	Participants		Total
		Male	Female	
College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur	9	25	245	270
Animal Biomedical Waste Disposal Technology Centre, RAJUVAS, Bikaner	4	91	31	122
Centre for Conservation of Animal Biodiversity, RAJUVAS, Bikaner	11	495	60	555
AICRP on Goat Improvement, CVAS, Bikaner	4	50	19	69
Centre For Organic Animal Production Technology, Bikaner RAJUVAS, Bikaner	3	52	6	58
Center for Disaster Management Technology for Animals, RAJUVAS, Bikaner	9	276	144	420
<b>Total</b>	<b>40</b>	<b>989</b>	<b>505</b>	<b>1494</b>

**2. Disease Diagnosis Facilities:**

To provide services for animal disease diagnosis and treatment, testing of food & fodder as well as animal products Lab facilities was established at all Pashuvigyan Kendras. Total 3949 samples were analysed and 3686 farmers were benefited during the year.

**3. Publications of Directorate of Extension Education:**

Directorate of Extension Education is regularly publishing *Pashu Palan Naye Aayaam*, - a monthly bulletin, training manuals and other bulletins. In addition to this, important news of animal husbandry and agriculture sector, disease forecasting and schedule of broadcast of "Dhine Re Batya" on AIR is also given. Two ASCAD training manual and a booklet on *Gobar Gaumutra* processing was also published by DEE.



**4. Exhibitions:**

Five exhibitions were organized by DEE, PVK Kota and KVK Nohar at *Ravindra Rangmanch, Bikaner, International Camel Festival, NRCC, Bikaner, Krishi Mahotsav, Kota, Kisan Mela, SKRAU, Bikaner* and *Mallinath Pashu Mela, Barmer* on 22-24 December, 2022, 14 January, 2023, 24-25 January, 2023, 27-29 March, 2023 and 21-23 March, respectively. Thousands of Progressive Farmers' and Livestock owners visited the exhibitions.





### **5. Organization of Kisan Mela cum Farmer-Scientist Interaction in KVK**

Kisan Mela cum Farmer-Scientist Interaction was organized by KVK, Nohar, Hanumangarh-II on 26 April, 2022. The chief guest of the program, Sh. Sohan Dhill, Pradhan, Panchayat Samiti said that in the era of increasing cost and competition in agriculture, lack of sufficient water in the canals, has become a loss-making deal instead of a profit. For this, farmers have to be aware about horticulture in the area and the farmers have to return to natural farming to reduce the cost of it. Sh. Balveer Singh Khatri, Deputy Director, MLA representative Sh. Subhash Indoreia were present. Agriculture Officer Sh. Dwarka Prasad, Sh. Deepchand Beniwal, Member Zilla Parishad, Hanumangarh, Sh. Ramkumar Saini, Deputy President, Panchayat Samiti Nohar, Progressive farmers Sh. Lal Singh, S h. Surendra Jakhar from Agriculture Department, Sh. Mahindra Rajera and in-charge of KVK Dr. Manohar Lal Sain, were present during the meeting.



### **6. Organization of Farmer Scientist Interaction and Exhibition on "Garib Kalyan Sammelan" by KVK, Nohar**

Farmer Scientist Interaction and Exhibition on "Garib Kalyan Sammelan" was organized by KVK, Nohar, Hanumangarh-II on 31 May, 2022. Shree Deepchand Beniwal stated that Hon'ble Prime Minister Shri Narendra Modi, transferred more than Rupee 21 thousand crore to more than 10 crore beneficiary farmer families under the 11<sup>th</sup> instalment of PM Kisan Samman Nidhi Yojana, which was very effective initiative for welfare of farmer's. Total 590 progressive farmers were benefitted in this programme.



### **7. Organization of 8<sup>th</sup> Extension Education Council meeting**

The meeting of 8<sup>th</sup> Extension Education Council was organized on 29<sup>th</sup> June, 2022 under the chairmanship of Vice-Chancellor Prof. Satish K. Garg. Vice-Chancellor addressed the meeting that PVKs situated in different districts and KVK, Nohar (Hanumangarh) under the aegis of Veterinary University promoting livestock owners for increase animal production and economic independence by trainings on advanced animal husbandry practices, diseases diagnostic and advisory services and farmers meetings. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner presented the Annual report of 2020-21 and 2021-22 and described the activities of all centres exhaustively. Prof. D.S. Dahiya, Director Extension Education, Veterinary university, Hisar, the council's nominated member Dr. Dinesh T. Bhonsle (Pune), Urmul Dairy's general manager representative Dr. B.L. Vishnoi, Deputy Director, Animal Husbandry Department, Dr. Om Prakash also expressed their views. In the meeting, all Dean-Directors, Head of Departments and Officer-in-Charges of KVK and PVKs were present.



### 8. Organization of 9<sup>th</sup> Scientific Advisory Committee Meeting:

The 9<sup>th</sup> Scientific Advisory Committee meeting of the KVK, Nohar (Hanumangarh-II) was organized on 17<sup>th</sup> August 2022 under the Chairmanship of the Honorable Vice Chancellor Prof. Satish K. Garg. He directed to provide information to the farmers and livestock owners about the prevention of lumpy skin disease spreading in the state so that the loss of livestock could be prevented. Dr. S.K. Singh, Director ATARI, Jodhpur reviewed the annual report of the Krishi Vigyan Kendra 2021-22 and action plans of year 2022-23. Prof. (Dr.) R.K. Dhuria Director Extension Education, RAJUVAS, Bikaner and Dr. Manohar Sain were also present during this programme



### 9. Participation in Zonal Review Workshop of KVKs

Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner participated and delivered a presentation on "Mechanism of Technology backstopping amongst KVK Professional" in Annual Zonal Review Workshop of KVKs organized by Director, ICAR-ATARI, Jodhpur during 25-27 June, 2022 at MPUAT, Udaipur.

### 10. Activities under Mera Gaon Mera Gaurav

In year 2022-2023 Under "Mera Gaon Mera Gaurav" 35 teams of multidisciplinary scientists, have adopted 104 villages. Teams have conducted 88 visits to villages, 47 interface meetings, 45 demonstrations related to animal husbandry and 73 training programmes covering animal nutrition, breeding, health care and reproduction, 1419 mobile based advisories, 541 literature supports and 103 general awareness created aspects in villages. In these activities total 14470 farmers and livestock owners were benefited.

S. No.	Activity Name	No. of Activities Conducted	No. of Farmers Participated/Benefitted
1	Visit to village by teams	88	1832
2	Interface meeting/Gosthies	47	979
3	Trainings conducted	73	601
4	Demonstrations conducted	45	92
5	Mobile based advisories (No.)	1419	4013
6	Literature support provided	541	6516
7	General Awareness created	103	437
	<b>Total</b>	<b>2316</b>	<b>14470</b>



### 11. "Dhine Re Batya" Radio Programme

In 2022-23, total 8 programmes of "Dhine Re Batya" were broadcasted through 17 Aakashwani Kendra of Rajasthan from 5.30 PM to 6.00 PM on third Thursday of every month. The sponsored programme is entirely based on animal husbandry and animal health aspects. In 2022-23, total 8 programmes of "Dhine Re Batya" were broadcasted through 17 Aakashwani Kendra of Rajasthan.

S.No.	Radio Talk	Topics	Date
1	Dr. Deepika Dhuria Assistant Professor, CVAS, Bikaner	Causes and control of Lumpy Skin Disease in Cattle	18-08-2022
2	Prof. R.K. Dhuria Director Extension Education, RAJUVAS,	Care of animals in changing seasonal environment	15-09-2022
3	Prof. Basant Bais DPME, RAJUVAS, Bikaner	वर्तमान परिदृश्य में पशुपालन व्यवसाय में महिलाओं की चुनौतियाँ	20-10-2022
4	Dr Sandeep Dholpuria, Assistant Professor, CVAS, Bikaner	Uterine Torsion in pregnant cattle and buffalo	17-11-2022
5	Dr. Mohan Lal Choudhary Assistant Professor, CVAS, Bikaner	Production clean milk and its byproducts: why and how	15-12-2022
6	Dr Ashok Dangl, Assistant Professor, CVAS, Bikaner	Diseases of rainy season and their prevention	19-01-2023
7	Dr Rajesh Nehra, Assistant Professor, CVAS, Bikaner	Importance of balanced ration in animals	16-02-2023
8	Prof. A. K. Gahlot Founder and Former Vice Chancellor, RAJUVAS, Bikaner	Contribution of animal Husbandry in doubling farmers income	16-03-2023

### 12. RAJUVAS e-Pashupalak Choupal

Three online RAJUVAS e-Pashupalak Choupals were organized for the farmers. Dr. Anil Ahuja, Former Director Clinics, RAJUVAS, Bikaner discussed on "Rabies in Animals: Causes and Prevention", Dr Dinesh Bhonsale, Director, A.B. Vista South Asia, Pune (Maharashtra) discussed on "How to increase Productivity of milk animals" and Shri Surendra Awana, Progressive farmer Jaipur discussed on "How increase milk production of indigenous breeds. Vice-Chancellor Prof. Satish Garg also interacted during the Choupal. The e-PashupalakChoupals were broadcasted live on official facebook page of RAJUVAS and DEE, Bikaner.



### 13. New Initiatives

#### (i) Workshop organized on "Gobar-Gaumutra Prasanskarana Prashikshan Abhiyan"

A workshop on "Gobar-Gaumutra Prasanskarana Prashikshan Abhiyan" was organized in collaboration with Rajasthan Gau Seva Parishad on 30 May, 2022 to develop Bikaner as a model district in the field of Gobar-Gaumutra Prasanskarana. In this workshop representatives of different departments viz., Agriculture, Animal Husbandry, NABARD, ATMA, Agricultural University, Women and Child development also participated. The chief guest of this workshop, Dr. Neeraj K. Pawan, Divisional Commissioner, Bikaner committed for full support at administrative level to develop Bikaner as model district. These trainings will be organized by veterinary university in collaboration with Agriculture and Animal Husbandry Departments. Prof. A.K. Gahlot, National Coordinator, Rajasthan Gau Seva Parishad and Founder and former, Vice-chancellor, RAJUVAS, Bikaner told about necessity of trainings for rural youth. Prof. Satish Kumar Garg, Vice-chancellor, RAJUVAS stated that it is very ambitious project to benefit the farmer which requires coordination of all line departments at village level. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner gave detailed information about this project.



#### (ii) Inauguration of the building of Krishi Vigyan Kendra, Nohar

The newly constructed building of KVK, Nohar (Hanumangarh-II) was inaugurated by MLA Nohar, Shri Amit Chachan, Vice Chancellor Prof. Satish K. Garg and Dr. S.K. Singh, Director ICAR-ATARI, Jodhpur on 17<sup>th</sup> August 2022. While addressing the farmers, Shri Amit Chachan Hon'ble MLA Nohar said that the farmers and livestock owners will get technical and economic benefits. Prof. (Dr.) Satish Kumar Garg, said that Krishi Vigyan Kendra will now be able to catch its

real pace of development after the construction of a permanent building and the training of different types of agriculture and allied sectors will be done more efficiently. Dr. S.K. Singh, said that the centre will do the work of dissemination of new technologies, to overcome the problems faced by the farmers in the field of agriculture and allied sectors. Prof. R.K. Dhuria welcomed the guests and requested the farmers and livestock owners to take maximum advantage of the information, technical knowledge and trainings issued by KVK, Nohar. On this occasion, two technical folders namely Lumpy Skin Disease (LSD) and Channe Ki Unnat Khetiprepared by the scientists of KVK, Nohar were also released.



### **(iii) Launching of Cow Dung and Urine Processing Training Campaign**

A processing training campaign of organic products of cow dung and urine was organized on 15 October, 2022. Divisional Commissioner Dr. Neeraj K. Pawan said that through the cow dung and urine training program, a trend will increase towards cow rearing among the farmers. These trainings will serve as a model and message for the entire state. Vice-Chancellor of RAJUVAS, Prof. Satish K Garg said that products processed from cow dung and urine are the basis of natural farming. So, with the help of these trainings, farmer brothers can get good income from processed cow dung and urine. It will not only be environment friendly but will also be an additional source of income for farmers. Prof. R.K. Dhuria gave a welcome address and a detailed information about the campaign and informed that a total of 16 Agriculture Officers and 10 Veterinary Officers attended training as master trainers. A total of 1410 farmers will be benefited from these trainings by organizing a total of 47 trainings in nine blocks of Bikaner district.



### **(iv) Inauguration of PVK, Jobner by Hon'ble Chief Minister**

Chief Minister, Rajasthan Sh. Ashok Gahlot inaugurated the newly constructed building of 16<sup>th</sup> Pashu Vigyan Kendra of Veterinary University on 23 December, 2022 organized at village Kanwarika Bas in Tehsil Kalwar. Hon'ble Chief Minister inaugurated Pashu Vigyan Kendra, Jobner along with 22 projects of Jhotwara assembly constituency. The inauguration took place in the presence of Assembly Speaker, Dr. C.P. Joshi, Minister in-charge of Jaipur, Sh. Shanti Dhariwal, Agriculture and Animal Husbandry Minister, Shri Lal Chand Kataria, Vice Chancellor RAJUVAS, Prof. S.K Garg, other ministers and dignitaries. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS was also present during the event. The financial approval was given by the state government for implementation of P.V.K., Jobner under the budget announcement in the year 2021-22.



**(v) Organization of Kisan-Pashupalak Fair at P.V.K., Suratgarh**

P.V.K., Suratgarh (Sriganganagar) organized a Farmer-Livestock Rearers and Agriculture Fair on 16 November, 2022 under the joint auspices of Deputy Director Agriculture and Ex-officio Project Director (ATMA), Sriganganagar. Chief Guest Saurav Swami, District Collector (Sriganganagar), Special Guest ArvindJakkhar Additional District Collector (Sriganganagar), Sandeep Kumar, Sub Divisional Officer (Suratgarh) were the special guests. On completion of 75 years of independence, the District Collector honored 75 progressive cattle rearers and addressed the cattle rearers and farmers from different districts and said that marginal and small farmers should become aware by establishing new dimensions in animal husbandry and farming by being inspired by progressive cattle rearers and also take advantage of various schemes being given by the government. RajaramGodara (social worker) and Anil Dhanuka (LokpalSriganganagar and Nandi Gaushala President) thanked the chief guest and special guest.



**(vi) Trainings of farmers on Processing of Cow Dung and Urine**

A one day training in collaboration with ATMA, Bikaner was organized in RAJUVAS. A total of 278 farmers of Bikaner and Nokha block participated in the programs. The farmers and livestock owners were trained and inspired to establish Vermicompost units at their farms so that they can get additional income from vermicomposting.



**(vii) Training of 20 Veterinarians on Diagnostic Techniques under ASCAD**

A five-day training programme for field veterinarians on "Diagnostic tools for control, treatment and eradication of livestock diseases under ASCAD programme" was organized from 13<sup>th</sup> to 17<sup>th</sup> March, 2023 under the joint aegis of Directorate of Extension Education, RAJUVAS, Bikaner and Animal Husbandry Department, Jaipur. Prof. Satish K. Garg Vice-Chancellor RAJUVAS, Bikaner said that animal health is important for global health, economic development, food security, food quality and poverty reduction, along with mitigating climate change and biodiversity loss and ensuring better economic returns to farmers and livestock owners from this sector. Prof. R.K. Dhuria told that 20 veterinarians from Animal Husbandry Department participated in this training. A training manual was also released by Vice-chancellor.



**(viii) Distribution of demonstration units (Cow Mangers and Cow mats) for cow owners in Gadhwala**

Demonstration unit distribution program was organized on March 25, 2023 in collaboration with ATMA, Bikaner in adopted village Gadhwala under University Social Responsibility. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner was Chief Guest of programme and he said that by adopting scientific animal husbandry techniques and value addition, the animal owners can earn maximum profit from animal husbandry. Prof. Rajesh Kumar Dhuria said that 40 demonstration units (feed manger and cattle mat) and 8 vermi compost units were distributed to cattle owners.



**14. Vice-Chancellor's Visit at PashuVigyanKendras**

**(I) Pashu Vigyan Kendra, Bankalia (Nagour)**

- Vice-Chancellor Prof. Satish K. Garg visited PashuVigyan Kendra, Bankalia (Nagour) on 15 December, 2022 and interacted with progressive farmers of the area to adopt new technologies to increase income from Animal Husbandry. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner appraised the various extension activities conducted by the centre.
- Vice-Chancellor Prof. Satish K. Garg graced the Inaugural session of two-days training on "Traditional Veterinary Treatment used in Animal Husbandry" organized by P.V.K., Bankalia (Nagour) on 15-16 December, 2022 and said that by adopting latest techniques in traditional animal husbandry, the farmer's can earn more income by taking latest scientific techniques of animal husbandry to the end user in the villages.



**14. Activities under University Social Responsibility**

RAJUVAS, Bikaner has conducted different activities in adopted village Gadhwala:

**1. Organization of Pashupalak Sangosthi**

A *Pashupalak sangosthi* was organised on 30<sup>th</sup> May, 2022. In which a large number of livestock owners actively participated in this *sangosthi* and their queries regarding dairy farming and goat farming were sorted out. Prof. Rahul Singh Pal addressed the livestock owners about importance of mineral mixture, balanced feeding, green fodder etc. Dr. Amit Kumar made aware about infertility, anoestrous, symptoms of heat, Artificial Insemination and other reproductive disorders of animals and their management.



**2. Organization of Animal treatment camp**

An Animal treatment camp was organised on 16<sup>th</sup> May, 2022. In which total 350 animals were treated for different ailments. Total 11 farmers were benefited in the gosthi. Officer Incharge, Veterinary Hospital, Ridmalsar (Bikaner) organised this camp.

### 3. Plantation Drive

A Plantation Drive was organised in the adopted village Garhwala on 30<sup>th</sup> July, 2022. Prof. R.K. Dhuria, Nodal Officer, University Social Responsibility & Director Extension Education, RAJUVAS, Bikaner initiated the programme by planting a sapling of sheesham in the premises of Government Higher Secondary School, Gadhwa. During this programme, different varieties of plants were planted. Youth and Eco Club in-charge Manju Paliwal played an active role in the plantation programme.



### 4. Organization of Krishak Gosthi under MATI Pariyojna

Veterinary University organized a krishak gosthi in coordination with Department of Agriculture, Bikaner on 5<sup>th</sup> August, 2022 under the chairmanship of District Collector Bhagwati Prasad Kalia under MATI Pariyojna village Gadhwa. Prof. R.K. Dhuria, told about the Symptoms, Prevention and control of Lumpy Skin Disease outbreak. Joint director Agriculture Extension Dr. Uday Bhan told about various schemes of Agriculture Department.



### 5. Sangosthi on "Zoonotic Diseases and Bio-Medical Waste Disposal"

A Sangosthi on "Zoonotic Diseases and Bio-Medical Waste Disposal" was organized by Animal Bio-Medical Waste Disposal Technology Centre, RAJUVAS at adopted village Garhwala on 06 August, 2022. Dr. Deepika Dhuria, Principal Investigator addressed the school children and told about hygiene, balanced diet and proper ventilated housing of animals for prevention of various animal diseases.



### 6. Computer Literacy Awareness Programme

A Computer Literacy Programme was organized at Gadhwa village on 30 August, 2022. Dr. Narendra Singh offered the basic knowledge of computer to the school children and told the use and importance of computer in various sectors. Dr. Nirmal Singh demonstrated practical use of computer.



### 7. Organization of Animal Health Camp for Lumpy Skin Disease

An animal health camp for Lumpy Skin Disease was organized by Veterinary Clinical Complex RAJUVAS, Bikaner in adopted village Garhwala during 13-17 September, 2022. Prof. About 341 cases of Lumpy Skin Disease, Parasitic infestations, Pica, Anoestrous were treated and given medicines in the health camp. Team of Clinical Departments with Intern, P.G. and Ph.D. students actively participated in the camp.



### 8. Senior Citizen cum Ayurvedic Health camp

A Senior Citizen cum Ayurvedic Health camp was organized in coordination with Department of Ayurveda, Govt. of Rajasthan, Bikaner on 29<sup>th</sup> November, 2022. A total of 130 patients of common cold, fever, migraine, cough and joint pain were treated including 60 senior citizens.



### 9. Health camp

A Health Camp was organized in coordination with Department of Medical Health and Family Welfare, Bikaner, GOR on 15<sup>th</sup> December, 2022. A total of 131 people having problem of common cold, fever, blood pressure, diabetes, cough and joint pain were benefited in the camp. The screening of hypertension, Oral cancer, Breast Cancer and Tuberculosis was also conducted in the camp. A good number of women actively participated in the camp.



### 10. Animal Biodiversity Conservation Awareness Camp

Centre for Conservation of Animal Biodiversity, RAJUVAS, Bikaner organized an Animal Biodiversity Conservation Awareness Camp in adopted village Garhwala on 3<sup>rd</sup> December, 2022. The livestock owners were made aware about the importance of Animal Biodiversity and its conservation. Mineral Mixture packets were also distributed to the livestock owners in the camp.



### 11. Adult Literacy Sangosthi

A Sanosthi on "Role of students in adult literacy" was organised in Gadhwala. Dr. Neeraj Kumar Sharma, Coordinator University Social Responsibility motivated the students to make literate their family members and neighbours. A large number of school students participated in this activity.



### 12. Animal disease immunity awareness and immuno booster distribution camp

Veterinary university organised animal disease immunity awareness and immuno booster distribution camp in adopted village Garhwala in coordination with Indian Red Cross Society, Bikaner. On this occasion Vijay Khatri, Secretary, Indian Red Cross Society, Bikaner addressed that Ayurvedic and homeopathic medicines are very effective for human as well as animal health.



### 13. Live telecasting of budget speech by Hon'ble Chief Minister of Rajasthan

The budget speech presented by Hon'ble Chief Minister Shri Ashok Gehlot in the Rajasthan Legislative Assembly was telecasted on a big screen in the Vice Chancellor's Secretariat of Veterinary University. The farmers and animal handlers of adopted village Gadhwala watched the live telecast of the agriculture budget. On this occasion, Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner, Dr. Kailash Chaudhary, Joint Director Agriculture Department, Bikaner, Bhairam Godara Assistant Director, Agriculture Department were present.



### 14. Training on Gobar Gaumutra Processing and Advanced Animal Management

A training programmes of two days duration on Gobar Gaumutra Processing and Advanced Animal Management was organized on 9-10 February, 2023 in collaboration with ATMA, Bikaner. Total 30 livestock owners and farmers of Gadhwala (Bikaner) village participated. On this occasion, Prof. R. K. Dhuria, Director of Extension Education and Dr. Kailash Chaudhary, Joint Director, Agriculture Department were present and addressed the farmers.







## Human Resource Development

### Introduction

Directorate of HRD was established in June 2020 to carry out work on following Goals:-

### Goals

- ❖ Overall monitoring, implementation, evaluation and management of HR needs and requirements of the University
- ❖ Evaluate and advice HR policies for the University

### Objectives

1. To plan, initiate, guide, co-ordinate and monitor the production oriented research in the field of veterinary and animal sciences.
2. To formulate veterinary and animal science research programmes and proposals, their effective implementation, co-ordination and progress monitoring.
3. To supervise and control the Livestock Research Stations and various State Plan Centres of the university.
4. To maintain liaison with State and Central Government, ICAR, DST and other national and international funding agencies for obtaining the financial support for various veterinary and animal science research programmes for the State.
5. Transfer of technology at grass root level in the form of package of practices for improved animal husbandry and production.
6. To extend consultancy and expertise in the field of veterinary and animal sciences.

### Organization of Training Programme during 2022-23

S.No.	Title	Date	No. of participants	Location/ Department Name
1	Pet Animal Dentistry Certificate Course (On-Line)	09-03-2022 to 27-04-2022	17 (In All Over India)	AINP on DIMSCA (ICAR) In Department of Veterinary Surgery & Radiology, CVAS, Bikaner
2	Five Days Entrepreneurial Skill Strengthening Training on "Nucleic acid and Protein based Techniques for Detection of Pathogens"	21-06-2022 to 25-06-2022	25	Apex Centre CVAS, RAJUVAS, Bikaner
4	"A Hands-on Training on Fracture Management with IM Pinning and Plating in Small Animals"	25-07-2022 to 29-07-2022	20 (In All Over India)	AINP on DIMSCA (ICAR) In Department of Veterinary Surgery & Radiology, CVAS, Bikaner
5	"A Hands-on Training on Fracture Management with IM Pinning and Plating in Small Animals"	10-10-2022 to 14-10-2022	20 (In All Over India)	AINP on DIMSCA (ICAR) In Department of Veterinary Surgery & Radiology, CVAS, Bikaner

### Organization of add on course

S.No.	Title	Date	No. of participants.	Location/ Department Name
1.	Pet Animal Dentistry Certificate Course (Of-Line)	01-07-2022 to 07-07-2022	17 (In All Over India)	AINP on DIMSCA (ICAR) In Department of Veterinary Surgery & Radiology, CVAS, Bikaner

### Memorandum of Understanding

S.No.	Date of MOU	MOU Between RAJUVAS	Year/Month Days of MOU
1.	28.07.2022	Girraj Industries, Sirsagate, Sirsaganj, Distt, Ferozabad, Uttar Pradesh	Ten Year
2.	21.04.2022	Rajasthan branch of Red Cross Society, New Delhi	Three Year



## Awards and Recognition

- Honorable Vice Chancellor of Rajasthan University of Veterinary and Animal Sciences, Bikaner, Prof. (Dr.) Satish Kumar Garg was awarded with IAAVR Society's Most Prestigious Award "Distinguished Veterinarian Award" in the two-day 22<sup>nd</sup> Indian Veterinary Congress and IAAVR's 29<sup>th</sup> Annual Conference and National Symposium on "Advancement in Veterinary Medical Research Contributing to One Health for Betterment of Animals and Public Health and Welfare" at Udaipur. It is noteworthy that this award is sponsored by Intas Animal Health, Ahmedabad, which is given for outstanding contribution in the field of administration, teaching and research.
- Prof. Satish Kumar Garg, Hon'ble Vice-Chancellor was bestowed with Life Time Achievement award during 6<sup>th</sup> International Conference on "Current Issues in Agricultural Biological and Applied Sciences for Sustainable Development" organized by Uttarbanga Agricultural University, West Bengal from 11-13 June, 2022. This award was presented for his excellent services in teaching and research in the field of veterinary sciences.



### Awards and Recognition of faculty/ students of CVAS, Bikaner during 2022-23

S. No.	Name of Faculty/Student	Name of award details	Awarding authority
1	Prof. (Dr.) R.K. Dhuria	Fellow (FNAVNAW) of National Academy of Veterinary Nutrition and Animal Welfare during V <sup>th</sup> Annual Convention and National Conference of National Academy of Veterinary Nutrition and Animal Welfare organised by College of Veterinary Science and Animal Husbandry, Jabalpur from 21 -22 September, 2022.	National Academy of Veterinary Nutrition and Animal Welfare
2	Prof. (Dr.) R.K. Dhuria	Appointed as Member of Editorial Board of Indian Journal of Animal Nutrition of Indian Society of Animal Nutrition.	Animal Nutrition Society of India
3	Prof. (Dr.) R.K. Dhuria	Appointed General Secretary of RAJUVAS Alumni Association	RAJUVAS, Bikaner
4	Dr. Rajesh Nehra	Awarded Associate Fellow Award of Indian Society of Animal Nutrition	Animal Nutrition Society of India
5	Dr. Rajesh Nehra	Elected as Vice President of Animal Nutrition Association of India (West Zone)	Animal Nutrition Association
6	Dr. Amit Kumar Pandey	Best poster award	ISSGPU at CSWRI, 10-12 Nov, 2022.
7	Dr. Devi Singh Rajput	Innovation Extension Award at 4 <sup>th</sup> National Conference of Society for Veterinary and Animal Husbandry Extension (SVAHE -IV) organizing at College of Veterinary and Animal Sciences, Himachal Pradesh Agricultural University, Palampur, Kangra (H.P.) during April 06-08, May 2022.	Himachal Pradesh Agricultural University, Palampur, Kangra (H.P)
8	Dr. Rajni Arora	Dr. C.V. Singh Veterinary science excellence award 2022 in recognition of significant and outstanding contributions in the field of veterinary sciences for the year 2022.	Pashudhan Prahari
9	Dr. Rajni Arora	Dr. V. Kurian award of Excellence 2022 on informative and erudite essay in the national level essay writing competition held on world milk day (1 June, 2022)	Pashudhan Prahari
10	Dr. Sudesh Kumar, Suvdhi, Upender, Taruna Bhati	Best article award for the article entitled 'Rapid and Emerging Technology for Antibiotic Susceptibility Testing' Published Online in the Vol 2 Issue 8	'The Science World A Monthly E-Magazine' Dated:01/09/2022.



S. No.	Name of Faculty/Student	Name of award details	Awarding authority
11	Dr. Sudesh Kumar	Dr. C. M. Singh "SHALIHOTRA" Pratibha Samman 2022 National level essay writing competition held on Nov. 30, 2022	Pashudhan Prahari
12	Dr. Taruna Bhati	Received certificate of excellence in reviewing in October 2022 in recognition of an outstanding contribution to the quality of journal	Archives of Current international
13	Dr. Manisha Mehra	Certificate of Appreciation	International Veterinary Pathology Congress 2021
14	Dr. Amita Ranjan	Received awarded for best oral presentation (1st prize), in 1st National Conference of Association of Mastitis	DUVASU, Mathura (U.P)
15	Dr. J.P. Kachhawa	Appreciation certificate -Recent Advances in Diagnosis and Management of Zoonotic Diseases	ICAR- National Research Centre on Camel Bikaner, Rajasthan.
16	Dr. J.P. Kachhawa	Best Paper Presentation Award -2022	ANDUAT, Kumarganj, Ayodhya, Uttar Pradesh
17	Dr. J.P. Kachhawa	Appreciation Certificate -Protocol for Experimentation on Animals in Laboratory and Field	College of veterinary and animal Science, Bikaner and Directorate of Human Resource Development, Rajasthan University of Veterinary and Animal Sciences, Bikaner
18	Dr. J.P. Kachhawa	Appreciation Certificate - Development of Entrepreneurial Skills Through Veterinary Diagnostics	College of veterinary and animal Science, Bikaner and Directorate of Human Resource Development, Rajasthan University of Veterinary and Animal Sciences, Bikaner
19	Dr. J.P. Kachhawa	Best Paper Presentation Award -2022 - Independence day 15 August 2022 for receiving Best Paper Presentation Award -2022	ANDUAT, Kumarganj, Ayodhya, Uttar Pradesh
20	Dr. J.P. Kachhawa	कामधेनु कल्याण पुरस्कार - saving the lives of the cattle in Lumpy Skin Disease epizootic	श्री गोवाम महारीक्ष पयमेड़ा लोक पुन्यार्थ न्यास, पयमेड़ा, राजस्थान
21	Dr. Sita Ram Gupta	Best Oral Presentation- Innovations in veterinary medicine: present status and futuristic implications	Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.)
22	Dr. Sita Ram Gupta	Acted as panelist in Regional Thematic Workshop on - Diversification of Crops in MP, UP and Rajasthan" during Theme area "Role of Animal husbandry in Diversification of Crops	Department of Agriculture and Farmers Welfare, Govt. of India and Department of Farmer welfare and Agriculture Development, Bhopal-Mp and Jawaharlal Nehru Krishi Vishwa Vidyalaya Jabalpur MP
23	Dr. Sita Ram Gupta	Acted as Co-chairman in Poster Session-III Equine/Wild/ Avian /Other Animal Medicine"	Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.)
24	Dr. Sita Ram Gupta	Certificate is awarded for Best oral Paper Presentation	Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.)
26	Dr. Deepika Goklaney	Best Poster Award	VIPM
27	Dr. Deepika Goklaney	15 <sup>th</sup> August 2022 Felicitation Award	RAJUVAS, Bikaner



S. No.	Name of Faculty/Student	Name of award details	Awarding authority
28	Dr. Praveen Bishnoi	FELLOW, ISVS (FISVS)	Indian Society for Veterinary Surgery
29	Dr. Mahendra Tanwar Dr. T. K. Gahlot Dr. Sakar Palecha, Dr. A. K. Bishnoi Dr. Kapil Kachwaha Dr. Praveen Bishnoi	Gold medal and certificate in Ruminant Surgery Session Award	Indian Society for Veterinary Surgery
30	Dr. Shailja Dr. Anil Kumar Bishnoi Dr. Mahendra Tanwar Dr. Sakar Palecha Dr. Om Prakash Chabarawal	Gold medal and certificate in Small Animal Poster Session Award	Indian Society for Veterinary Surgery
31	Dr. A.K. Bishnoi Dr. Shailja Dr. Ruchi Patwa Dr. Om Prakash Chabarawal Dr. Hemant Fagna	Gold medal and certificate in Large Animal Poster Session Award	Indian Society for Veterinary Surgery
32	Dr. S.K. Jhirwal Dr. Subhit C. Dr. Kanika Yadav Dr. Saloni Mishra	Appreciation certificates in Ophthalmology Session Award	Indian Society for Veterinary Surgery
33	Dr. Om Prakash Chabarawal Dr. Sakar Palecha Dr. Anil Bishnoi Dr. Praveen Bishnoi	1 <sup>st</sup> Prize in Joint Surgery Session	National Seminar on "Current Challenges in Veterinary Orthopaedics and Updates in Corrective Strategies" Department of Veterinary Clinical Complex College of Veterinary Science, Tirupati, Sri Venkateswara Veterinary University Andhra Pradesh, India from 26th-27th, August, 2022.
34	Dr. Ruchi Patwa Dr. A.K. Bishnoi Dr. P. Bishnoi Dr. Bhavana Salvi Dr. Rama Kishan Dr. Saloni Dr. Ankita	3 <sup>rd</sup> Prize in Large Animal Orthopaedic Session	National Seminar on "Current Challenges in Veterinary Orthopaedics and Updates in Corrective Strategies" Department of Veterinary Clinical Complex College of Veterinary Science, Tirupati, Sri Venkateswara Veterinary University Andhra Pradesh, India from 26th-27th, August, 2022.
35	Prof. (Dr.) Basant Bais	Acted as chief guest in Valedictory Function of the 3 day's training programme being conducted for the Veterinary Officers of Animal Husbandry Department of Rajasthan under RKVY project entitled "Conservation of Marwari Indigenous Breed of Horse through Artificial Insemination" on March 1, 2023	ICAR-NATIONAL RESEARCH CENTRE ON EQUINES Equine Production Campus, Bikaner-334001, Rajasthan

**Awards and Recognition of faculty/ students of CVAS, Navania during 2022-23**

S. No.	Name of Faculty/Student	Name of award details	Awarding authority
1	Prof. (Dr) Rajeev Kumar Joshi	Prof. Ram Raksha Kiran Shukla award	IAAVR Conference
2	Dr. Sunil Arora	Ph.D. Gold medal	Vice-Chancellor, RAJUVAS, Bikaner
3	Lokesh Gautam	Dr. C.M. Singh "Shalihotra" Pratibha Samman-2022	Pashudhan Praharee
4	Dr. Monika Joshi	Rapporteur in xviii Annual Convention of India Society for Advancement of canine practice and National Symposium Organized by CVAS, Navania during 22-24 September 2022	Indian Society for Advancement of Canine Practice (ISACP)
5	Dr. Monika Joshi	Co-Chairperson in 19th Biennial International Conference of Animal Nutrition Society of India Organized by CVAS, (GADVASU), Ludhiana, during 16-18 November 2022	Animal Nutrition Society of India (ANSI)
6	Dr. M. S. Meel	Appreciation award on occasion of Independence day 2022 for elected as CEC member of Animal Nutrition Society of India	Hon'ble Vice-chancellor, RAJUVAS, Bikaner
7	Dr. S.K. Sharma	Dr. R.M. Sujatia Memorial Award for Outstanding Work in the Field of Veterinary Medicine	Indian Association for Advancement of Veterinary Research (IAAVR)
8	Dr. S.K. Sharma	Eminent Teacher Award for outstanding service in teaching	Vij Trust, Thirunindravur, Tamil Nadu
9	Dr. S.K. Sharma	Reviewer Excellence Award as Reviewer of IJAR in recognition of significant and outstanding contribution to the Journal	Indian Journal of Animal Research- Agricultural Research Communication Centre
10	Dr. Sanweer Khatoon	Best Ph.D Thesis Award	CAIE, Gwalior, M.P and AEDS, U.P and FAFSEM, Hungary
11	Dr. Sanweer Khatoon	Young Women Scientist Award	CAIE, Gwalior, M.P and AEDS, U.P and FAFSEM, Hungary
12	Dr. Sanweer Khatoon	Appreciation award for getting young scientist award for best Ph.D research work.	RAJUVAS, Bikaner on the occasion of Independence Day, 2022
13	Dr. Hemant Joshi	awarded with the LO Dhande Memorial Gold Medal for Best oral paper in forensic anatomy session	Three-day International Conference of Indian Association of Veterinary Anatomists held at CVAS, Navania, Udaipur from 20-22 December 2022.
14	Dr Sudeep Solanki	Felicitation Award RAJUVAS 15 th August 2022 for organizing Secretary of the IAAVR Conference and R M Sujothia Award at Conference	Honorable Vice Chancellor RAJUVAS, Honorable Chief Guest ADG Animal Science, ICAR, New Delhi
15	Dr Hina Ashraf Waiz	Dr. C.M. Singh "Shalihotra" Pratibha Samman-2022	Pashudhan Praharee

**Awards and Recognition of faculty/ students of PGIVER, Jaipur during 2022-23**

S. No.	Name of Faculty/Student	Name of award details	Awarding authority
1	Dr. D.S. Meena	"VIPM Appreciation Award" in 2nd Annual Convention of Veterinary Internal and Preventive Medicine Society and National Symposium organized from 6th to 7th May, 2022	Veterinary Internal & Preventive Medicine (VIPM) Society
2	Dr. M.M. Mali	"VIPM Appreciation Award" in 2nd Annual Convention of Veterinary Internal and Preventive Medicine Society and National Symposium organized from 6th to 7th May, 2022	Veterinary Internal & Preventive Medicine (VIPM) Society

S. No.	Name of Faculty/Student	Name of award details	Awarding authority
3	Dr. Ashok Baidha	First Best Oral Paper Award in 4 th National Conference of SVAHE <sup>™</sup> held during 6-8 May, 2022	Society for Veterinary and Animal Husbandry Extension (SVAHE)
4	Dr. Subhash Chand	Second Best Oral Paper Award in 4 th National Conference of SVAHE held during 6-8 May, 2022	Society for Veterinary and Animal Husbandry Extension (SVAHE)
5	Dr. Barkha Gupta	Felicited on the occasion of Independence Day, 2022	RAJUVAS, Bikaner
6	Dr. Ashok Baidha	Felicited on the occasion of Independence Day, 2022	RAJUVAS, Bikaner
7	Dr. Subhash Chand	Felicited on the occasion of Independence Day, 2022	RAJUVAS, Bikaner
8	Dr. Samita Saini	Pashudhan Samridhi India Award 2022	Pashudhan Prahree
9	Prof. D.S. Meena	"VIPM Appreciation Award in the 3rd Annual Convention of Veterinary Internal and Preventive Medicine Society (VIPM) and National Symposium held from 7-9 October, 2022	Veterinary Internal & Preventive Medicine (VIPM) Society
10	Prof. Sanjita Sharma	Fulbright Scholar	US Government
11	Dr. Manju	Best Poster Presentation Award in 19 th Biennial International Conference of Animal Nutrition Society of India held from 16 th to 18 th November, 2022	Animal Nutrition Society of India (ANSI)
12	Prof. Rohitash Dadhich	IAVP - Best Veterinary Teacher Award -2022 in International Veterinary Pathology Conference held from 17 -20 November, 2022	Indian Association of Veterinary Pathologists (IAVP)
13	Dr. Abhishek Gupta	Excellence in Peer-Reviewing	MB International Media and Publishing House
14	Dr. Abhishek Gupta	Excellence in Reviewing	South Asian Journal of Parasitology
15	Dr. M.C. Parashar	Certificate of Excellence in Reviewing (for the month of February, 2023)	Asian Journal of Research in Animal and Veterinary Sciences
16	Dr. M.C. Parashar	Certificate of Excellence in Reviewing (for the month of March, 2023)	Asian Journal of Research in Animal and Veterinary Sciences
17	Dr. P.C. Sharma	Appreciation for contribution towards implementation of PS Tharparkar Project in Rajasthan	Rajasthan Livestock Development Board, Jaipur
18	Keshav Gaur	Best Oral Presentation Award in 19 th Biennial International Conference of Animal Nutrition Society of India held from 16 th to 18 th November, 2022	Animal Nutrition Society of India (ANSI)





## Research Publications

### Research Publications, CVAS, Bikaner

- Anjana, Lamba, P., Jhirwal, A.K., Goswami, S.C. and Saharan, V. (2022). Effect of different litter amendments on the litter characteristics. The Pharma Innovation Journal, SP-11(6): 3033-3035.
- Arora, A.S., Rajput, D.S., Sharma, N.K., Dewal, V.S. and Dawra, V. (2022). Assessment of knowledge based training needs regarding scientific cattle management practices among cattle owners in Rajasthan. The Pharma Innovation Journal, SP-11(5): 152-156.
- Arora, R., Goswami, S.C., Choudhary, M.L. and Gujar, G. (2022). Insights into the effect of shelter modification on key production aspects of Sahiwal zebu cows reared in hot arid ambience. The Pharma Innovation, SP-11(7):2427-2430.
- Arora, S., Pareek, S. and Kataria, N. (2022). Extreme environment *vis-à-vis* fluctuations in metabolic reports in Sirohi goats from semi-arid expanses of Rajasthan. Veterinary Practitioner, 23(1).
- Arvinder, Tanwar, M., Palecha, S., Jhirwal, S.K., Kachwaha, K., Singh, N. and Bishnoi, P. (2022). A study on ocular ultrasonography in small ruminants. Indian Journal of Small Ruminants (The), 28(2):348-351.
- Bano, P., Chouhan, H., Mehra, M., Burdak, S., Dadhich, H., Dhawal, K.K., Mohta, R. and Gujar, B. (2022). Pathology of some miscellaneous conditions related to heart of sheep (*Ovis aries*). The Pharma Innovation Journal, SP-11(7): 601-603.
- Bano, P., Dadhich, H., Mathur, M., Mehra, M. and Asopa, S. (2022). Pathological findings of degenerative changes of heart of sheep (*Ovis aries*). The Pharma Innovation Journal, SP-11(7): 845-848.
- Bano, P., Dadhich, H., Mathur, M., Mehra, M. and Asopa, S. (2022). Pathology of calcification of aorta in sheep (*Ovis aries*). The Pharma Innovation Journal, SP-11(7): 841-842.
- Bano, P., Dadhich, H., Mathur, M., Mehra, M. and Asopa, S. (2022). Occurrence and pathology of vegetative endocarditis in sheep (*Ovis aries*). The Pharma Innovation Journal, SP-11(7): 843-844.
- Bano, P., Dadhich, H., Mathur, M., Rami, S., Vyas, I., Mehra M. and Asopa, S. (2022). Occurrence and histo-pathology of polyarteritis nodosa in sheep (*Ovis aries*). Veterinary Practitioner, 23(2): 371-372.
- Bano, P., Dadhich, H., Mohta, R. and Mehra, M. (2022). Occurrence and pathology of sarcocystosis in heart of sheep (*Ovis aries*). The Pharma Innovation Journal, SP-11(7): 810-812.
- Bano, P., Punia, V., Dadhich, H., Mathur, M., Vyas, I., Mehra, M. and Asopa, S. (2022). Pathological findings of inflammatory conditions related to heart of sheep (*Ovis aries*). The Pharma Innovation Journal, SP-11(7): 1921-1923.
- Basant, Shringi, B.N., Kumar, S., Gorachiya, P.R. and Panwar, R. (2022). Antimicrobial resistance profile of *Escherichia coli* isolates from mastitic milk samples. The Pharma Innovation Journal, 11(7S):1328-1331.
- Basant, Shringi, B.N., Pandey, A.K., Gorachiya, P.R. and Kumar, S. (2022). Synthetic peptides SG-15 shows synergistic effect with some antibiotics against *Escherichia coli* isolates from mastitic cow milk. The Pharma Innovation Journal, 11(7S): 1566-1571.
- Bharti, V., Pilania, P.K. Choudhary, P. and Joshi, S.P. (2022). Prevalence rate of haemoprotozoan infection and assessment of associated risk factors in dairy animals from Bikaner region of Rajasthan, India. Journal of Animal Research, 12(1): 69-74.
- Bothra, T., Patel A.K., Kumar Vijay, Narula, H.K., Jain, D. and Prajapat, U. K. (2022). Effect of improved nutrition and improved shelter on serum cholesterol and serum triglyceride of Magra lambs in two lambing seasons under arid zone. Scientist, 2(2):515-520.
- Burdak, S., Bajia, N.P., Vyas, I., Mehra, M., Makawana, P. and Choudhary, S. (2022). Pathology of interstitial nephritis of kidney in pig. The Pharma Innovation Journal, SP-11(7): 1527-1529.
- Burdak, S., Choudhary, D., Vyas, I., Mehra, M., Makawana, P. and Urmila. (2022). Histopathological studies on glomerulonephritis in pig. The Pharma Innovation Journal, SP-11(7): 1123-1125.
- Chandekar, S., Arora, R. and Sharma, N.K. (2022). Study the effect of feed additives on growth performance of Sahiwal growing female calves during summer season in arid region of Rajasthan. The Pharma Innovation Journal, SP-11(8): 2126-2129.
- Choudhary, D., Bothra, T., Jain, D. and Kumari, P. (2022). Effect of Turmeric (*Curcuma longa*) powder and Neem (*Azadirachta indica*) leaf powder on growth performance of broiler chicks. Veterinary Practitioner, 23 (1):126-131.
- Choudhary, G., Mohta, R., Prakash and Mehra, M. (2022). Effect of feeding black pepper, dry tulsi leaves and black cumin seeds on growth performance of broiler chicks. The Pharma Innovation Journal, SP-11(7): 1139-1142.
- Choudhary, G., Mohta, R., Prakash, Dhaka, C.S. and Mehra, M. (2022). Quantitative analysis of milk from various breeds of camel in Bikaner region. The Pharma Innovation Journal, SP-11(7):978-979.
- Choudhary, G., Pannu, U., Narula, H.K., Chopra,





- A., Gowane, G., Nehara, M. and Poonia, N.K. (2022). Comparison of reliability of animal models and bayesian approach for estimation of genetic parameters of growth traits in Chokla sheep. *Journal of Animal Research*, 12(05): 745-756.
24. Choudhary, G., Poonia, N.K., Pannu, U. and Nehara, M. (2022). Genetic evaluation of lifetime traits in Tharparkar cattle in semi-arid region of Rajasthan. *The Pharma Innovation Journal*, SP-11(7): 1679-1682.
  25. Choudhary, G., Poonia, N.K., Pannu, U., Narula, H.K., Chopra, A. and Nehara, M. (2022). Genetic evaluation of growth efficiency traits in Chokla sheep in semi-arid region of Rajasthan. *The Pharma Innovation Journal*, SP-11(7): 1502-1505.
  26. Choudhary, S., Sharma, P., Nehra, R. and Singh, A.P. (2022). Effect of subclinical mastitis on mineral content of milk in indigenous cattle. *Scientist*, 1(3): 5101-5104.
  27. Chouhan, H., Pannu, U., Joshi, R.K. and Nehara, M. (2023). Study of milk production genes and their association with production traits in Rathi cattle. *Indian Journal of Animal Sciences*, 93 (1): 62-66.
  28. Dhadich, R., Dhuria, R.K. and Dhuria, D. (2022). Effect of feeding of hydroponics maize fodder on haemato-biochemical parameters in Rathi calves. *The Pharma Innovation Journal*, SP-11(7):3147-3149.
  29. Dhaka, M.K., Choudhary, S., Tuteja, F.C., Sawal, S.K. and Kachhawa, J.P. (2022). Common salt supplemented with mineral mixture provides rapid symptomatic relief in pica-affected camels. *The Pharma Innovation Journal*, 11(7S): 1491-1494.
  30. Dholpuria, S., Purohit, G.N., Vyas, S. and Mehta, J.S. (2023). Effect of melatonin on Body weight and body girth in male dromedary camels (*Camelus dromedarius*). *The Pharma Innovation*, 12(02): 1906-1910.
  31. Galgat, K., Palecha, S., Bishnoi, P., Tanwar, M., Bishnoi, A.K., Jhirwal, S.K. and Singh, N. (2022). Diagnostic myelography of spinal lesions in nine dogs. *Indian Journal of Veterinary Surgery*, 43(1): 59-61.
  32. Garg, S.L., Sharma, N.K., Rajput, D.S. and Singh, V. (2022). Level of satisfaction of ethno veterinary knowledge users in western zone of Rajasthan. *The Pharma Innovation Journal*, 11(7):3136-3138.
  33. Gorachiya, P.R., Bais, B., Pathak, V., Goswami, M. and Basant (2022). Quality characteristics of low fat chicken sausages fortified with pearl millet. *Journal of Veterinary and Animal Sciences*, 53 (4): 625-632.
  34. Gorachiya, P.R., Bais, B., Pathak, V., Goswami, M. and Basant (2022). Quality evaluation of low fat chicken sausage fortified with dietary fibre. *Journal of Animal Research*, 12 (3):421-428.
  35. Gorachiya, P.R., Bais, B., Pathak, V., Goswami, M., Singh, S. and Basant (2022). Effect of flaxseeds on physico-chemical and sensory characteristics of chicken sausages as functional food. *The Haryana Veterinarian*, 61(SI-2): 32-35.
  36. Gorachiya, P.R., Bais, B., Pathak, V., Goswami, M., Singh, S. and Basant (2022). Efficiency of scarse seeds as fat replacer to develop functional chicken sausage. *Journal of Animal Research*, 11(6):1043-1049.
  37. Gorachiya, P.R., Bais, B., Pathak, V., Goswami, M., Singh, S. and Basant (2022). Study on the effect of mint leaves powder on quality characteristics of functional chicken sausages. *Veterinary Practitioner*, 23(1):116-119.
  38. Goswami, S. and Dangi, A. (2022). Arduino based smart chicken farming using temperature sensor. *International Journal of Agriculture, Environment and Biotechnology*, 15(2):271-276.
  39. Goswami, S. and Dangi, A. (2022). Implementation of automatic lighting and heating system for poultry farm using Arduino. *The Pharma Innovation Journal*, 11(7S):1778-1781.
  40. Gupta, P., Asopa, S., Dadhich, H., Rani, S., Mathur, M., Vyas, I., Mehra, M. and Pankaj, D.K. (2022). Occurrence and pathology of ascariasis in pig (*Sus scrofa domestica*). *Veterinary Practitioner*, 23(2): 369-370.
  41. Gupta, P., Dhuria, R.K., Legha, R.A., Pal, Y., Dhuria, D., Dedar, R.K. and Talluri, T.R. (2022). Effect of dietary supplementation of linseed oil on palatability and nutrient utilization in Marwari horses. *Indian Journal of Animal Nutrition*, 39 (4): 444-452.
  42. Gupta, S.R., Singh, A.P., Singh, R.K., Sain, M.L., Yadav, R., Kachhawa, J.P. and Choudhary, S. (2022). Study of quarter wise prevalence of subclinical mastitis in cattle in and around Bikaner. *Veterinary Practitioner*, 23(2): 305-308.
  43. Harsh, A., Pannu, U., Prakash, V., Tanwar, A., Jyotsana, B. and Purohit, H. (2023). Molecular characterisation of diacylglycerol o-acyltransferase (dgat1) gene in dromedary camels (*Camelus dromedarius*). DOI: 10.5958/2277-8934.2023.00012.7 Vol 30 No 1, p 91-95
  44. Jaidiya, K., Mehra, M., Saharan, D.K. and Jaidiya, C. (2022). Malassezia pachydermatitis in a dog. *The Pharma Innovation Journal*, SP-11(7): 722-724.
  45. Jain, D., Bothra, T., Acharya, D., Prajapat, U.K., Manohar, M.S. and Ram, L. (2022). Restoration of common property resource in arid region of Rajasthan through establishment of Sewan (*Lasiurus scindicus*) grass. *Ruminant Science*, 11(1):
  46. Jain, D., Dhuria, R.K., Sharma, T. and Bothra, T. (2023). Effect of supplementation of *Tinospora cordifolia* (at Graded Levels) and ascorbic acid on nutrient metabolizability and feed passage rate of



- broiler chickens. International Journal of Bio-Resource and Stress Management, 14(2):291-297.
47. Jhajhria, K., Jhirwal, A. K., Goswami, S. C., Kumar, A., Kumar, A., Kaushik, P.K., Pilaniya, P., Lamba, P. and Kumar, L. (2022). Effect of various stocking densities along with the dietary supplementation of Giloy (*Tinospora cordifolia*) and Moringa (*Moringa oleifera*) on the carcass characteristics of broiler chicks. Veterinary Practitioner, 23(1):120-123.
  48. Jhirwal, S.K., Kumar, A., Sharma, G., Kuldeep, Kumawat, N.K., Bishnoi, P. and Gahlot, T.K. (2022). Diagnosis and management of diverse ocular conditions in cattle. Indian Journal of Veterinary Surgery, 43(1): 34-39.
  49. Jhirwal, S.K., Singh, Y.P., Bishnoi, P. and Gahlot, T.K. (2023). Manual small incision cataract surgery (Msics) in dogs: A study of three cases. Haryana Veterinarian, 62(SI): 110-113.
  50. Kachhawa, J.P., Singh, A.P., Chahar, A., Gupta, S.R., Sain, M.L., Yadav, R. and Nayak, T.C. (2022). Effect of therapy of *Wuthania somnifera* on immune status of crossbred cows affected with subclinical mastitis. Haryana Veterinarian, 61(2): 173-175.
  51. Kant, L., Ranjan, A., Sankhala, L.N., Meena, A. and Kumar, L. (2022). Effect of meloxicam co-administration on pharmacokinetics of ceftiofime following intramuscular administration in dromedary camel (*Camelus dromedarius*). The Pharma Innovation Journal, SP-11(4): 750-755.
  52. Kaswan, B. and Dhuria, R.K. (2022). Effect of supplementation of Tulsi leaf powder or vitamin E either alone or in combination on tibial bone characteristics of broiler chicks. The Pharma Innovation Journal, 11(7): 205-207.
  53. Kumar, L., Sankhala, L.N., Kant, L. and Dedar, R.K. (2022). In vitro antibacterial activity of leaves extracts of *Eucalyptus labill* and *Tamarindus indica* L. against *Rhodococcus equi*. Annals of Phyto-medicine: An International Journal, 11(2):455-462.
  54. Kumar, L., Sankhala, L.N., Kant, L., Badsiwal, D.K., Kumar, S. and Dedar, R.K. (2023). Screening for in vitro antibacterial activity of leaves extracts of certain selected plants against *Rhodococcus equi*. International Journal of Bio resource and Stress Management, 14(1):101-105
  55. Kumar, L., Sankhala, L.N., Kumari, M., Legha, R.A. and Dedar, R.K. (2022). Evaluation of in vitro antibacterial activity of leaves extracts of *Thespesia populnea*, *Pongamia pinnata* (L.) Pierre, *Albizia lebeck* (L.) Benth., *Delonix regia* (Hook.) Raf., *Cordia dichotoma* and *Dalbergia sissoo* against *Rhodococcus equi*. The Pharma Innovation Journal, 11(10): 27-32
  56. Kumar, M., Nehara, M., Prakash, V., Pannu, U. and Jyotsana, B. (2023). Udder, teat, and milk vein measurements of Indian dromedary camel and its relationship with milk ability traits. Tropical Animal Health and Production, 55:36.
  57. Kumar, R., Bishnoi, P., Tanwar, M., Jhirwal, S.K. and Kumari, A. (2023). Haemato-biochemical changes after laparoscopic and conventional ovariohysterectomy in dogs. The Indian Journal of Veterinary Science and Biotechnology, 19(2):88-93.
  58. Kumar, R., Kumari, A., Bishnoi, P., Jhirwal, S.K., Palecha, S., Bishnoi, A.K., Tanwar, M., Diwedi, S. and Richa, C. (2022). Clinico-haematological, radiographical and ultrasonographical studies on traumatic pericarditis in bovines. The Pharma Innovation, 11(5):1638-1640.
  59. Kumar, S., Pareek, S., Maan, R., Punam, Godara, N., Saini, A., Jain, M. and Janagal, L. (2022). Studies on antioxidant enzyme status in broilers during humid hot environmental conditions in arid region of Rajasthan. The scientist, 1(3):3020-3026.
  60. Kumar, S., Suvdhi, D., Dhal, K., Dhruw, R., Khandelwal, S. and Bhati, T. (2022). Determination of iron acquisition genes in *E. coli* from diarrheic calves in arid regions of India. Indian Journal of Animal Health, DOI: <https://doi.org/10.36062/ijah.2022.12522>.
  61. Kumar, S., Suvdhi, D., Dhal, K., Dhruw, R. and Bhati, T. (2022). Prevalence of *E. Coli* serogroups associated with neonatal calf diarrhoea. Journal of Animal Research, 12(6):967-971
  62. Kumar, S., Suvdhi, D., Dhal, K., Milind, M. and Bhati, T. (2022). Occurrence of *E. coli* and associated risk factors in neonatal calf diarrhoea from Bikaner. The Pharma Innovation Journal, 11(6S):1030-1033.
  63. Kumar, T., Bhalothia, S.K., Mehara, M., Dholpuria, S., Kumar, P., Kumar, A., Jawa, C., Pannu, S. and Prakash (2022). Factors impacting the seasonality of sheep breeding: A review. The Pharma Innovation, 11(7):418-20.
  64. Kumar, T., Kumar, P., Saini, N., Bhalothia, S.K., Prakash, C., Mahla, A.S. and Kumar, A. (2022). Shielding effect of melatonin improves seminal quality and oxidative stress indices during chilled storage of ram semen. Tropical Animal Health Production, 54(3):1-7.
  65. Kumari, A., Bishnoi, A.K., Bishnoi, P., Palecha, S., Chourasia, R., Diwedi, S., Sharma Lal, M. and Purushottam (2022). Management of distal metaphyseal humerus fracture using SOP (string of pearls) plate in a Chinkara (*Gazella bennetti*). Ruminant Science, 11(1):109-112.
  66. Kumari, A., Purushottam, Bishnoi, A.K., Kumar, R., Kumar, R., Diwedi, S. and Chourasia, R. (2022). Diagnosis and surgical management of injured soft



- palate (Dulla) in dromedary camels (*Camelus dromedarius*). The Pharma Innovation 11(7):1042-1044.
67. Kumawat, A., Vyas, I., Dharampal, Juneja, R., Mehra, M. and Poonia, R. (2022). Occurrence and pathology of parasitic conditions in cattle in Bikaner (*Bos indicus*). The Pharma Innovation Journal, SP-11(7):498-500.
  68. Lal, P., Rathore, N.S. Pandey, A.K. and Moolchandani, A. (2022). Zoonotic diseases and its control: A review. The Pharma Innovation, SP-11(7):3366-3373.
  69. Lamba, P., Goswami, S.C., Jhirwal, A.K., Saharan, V., Choudhary, S., Meena, P. and Jhajhria, K. (2022). Effect of photoperiod on weight and age at sexual maturity of Japanese quail. The Pharma Innovation Journal, SP-11(6):2830-2832.
  70. Lamba, P., Goswami, S.C., Jhirwal, A.K., Saharan, V., Poonia, N.K., Choudhary, S., Meena, P. and Manohar, D.S. (2022). Impact of different floor space on age and body weight at sexual maturity of Japanese quail. The Pharma Innovation Journal, SP-11(6):2900-2902.
  71. Lamba, P., Goswami, S.C., Jhirwal, A.K., Saharan, V., Poonia, N.K. Kumar, A. and Pilaniya, P. (2022). Behavioural pattern of Sahiwal calves under different roof modification during summer months in arid region of Rajasthan. Veterinary Practitioner, 23(1): 137-141.
  72. Mahajan, T., Joshi, S., Thanvi, P.K. and Panwar, A. (2022). Histological studies on the ovary of white leghorn and Kadaknath hens. The Pharma Innovation Journal, 11(7S):2132-2135.
  73. Makawana, P., Mehra, M., Dadhich, H., Burdak, S., Pankaj, D.K. and Rathi, R. (2022). Occurrence and pathology of hepatic abscess in liver of sheep. The Pharma Innovation Journal, SP-11(7):2506-2509.
  74. Makawana, P., Mehra, M., Rani, S., Prakash, Dadhich, H., Vyas, I., Mathur, M. and Asopa, S. (2022). Estimation of serum protein and albumin level in sheep (*Ovis aries*) in various hepatic lesions. Veterinary Practitioner, 23(1): 151-152.
  75. Makawana, P., Mehra, M., Vyas, J., Burdak, S., Bajia, N.P. and Meena, P. (2022). Enzymatic analysis in liver of sheep in various hepatic diseases. The Pharma Innovation Journal, SP-11(7):1400-1402.
  76. Mal, S., Joshi, S., Thanvi, P.K., Singh, D., Panwar, A. and Yogi, V.K. (2022). Histochemical study of adrenal gland of one humped camel (*Camelus dromedarius*). The Pharma Innovation Journal, 11(7S):1767-1771.
  77. Mal, S., Joshi, S., Thanvi, P.K., Singh, D., Saini, M.K. and Yogi, V.K. (2022). Gross and morphological study of adrenal gland of camels (*Camelus dromedarius*). Journal of Camel Practice and Research, 29(2):245-250.
  78. Meena, M.M., Kachhawa, J.P., Singh, A.P., Gupta, S.R. and Nayak, T.C. (2022). Effect of *Prosopis cineraria* (khejri) extracts on acute phase proteins in milk due to *Staphylococcus aureus* associated subclinical mastitis in cattle. Scientist, 1(3):5020-5026.
  79. Meena, S., Meena M., Mehra M. and Dadhich, H. (2022). Pathological and bacteriological studies of perivascular dermatitis in poultry. The Pharma Innovation Journal, SP-11(7):2494-2496.
  80. Meena, S., Meena, M., Meena, R., Dadhich, H. and Mehra, M. (2022). Various type of bronchopneumonia conditions in lungs of pigs at Bikaner region. The Pharma Innovation Journal, SP-11(7):3020-3023.
  81. Meena, S., Mehra, M. and Dadhich, H. (2022). Prevalence and bacteriological studies of dermatitis in domestic fowl (*Gallus domesticus*). The Pharma Innovation Journal 2022, SP-11(7):2500-2502.
  82. Meena, Y.K., Gupta, S.R., Kumar, A., Tiwari, R., Choudhary, S. and Agarwal, G. (2022). Haematological parameters changes in canine obesity. The Pharma Innovation Journal, SP-11(7S):139-142.
  83. Meena, Y.K., Gupta, S.R., Mohammed, N., Meena, B.P., Meena, M.K., Devendra, Meena, Y. and Meena, S.K. (2022). Canine obesity-prevalence, risk factors and management: A review. The Pharma Innovation Journal, SP-11(7S):662-667.
  84. Meena, Y.K., Gupta, S.R., Suresha, M., Mehra, M., Sharma, H., Gurjar, V.S. and Meena, D.S. (2022). Biochemical and hormonal parameters changes in canine obesity. The Pharma Innovation Journal, SP-11(7S):1954-1960.
  85. Milnid, M., Bhati, T., Dedar, S., Choudhary, J., Khandelwal, S. and Shringi, B.N (2022). Phylotyping and serotyping of *E. coli* isolates from poultry faecal samples. Veterinary Practitioner, 23(1):4-8.
  86. Mishra, G., Goswami, S. C., Sharma, S., Jhirwal, A.K. and Ravtaram (2022). Seasonal and lactational variations in fatty acid profile of milk in indigenous cattle. Indian Journal of Animal Sciences, 92 (11): 1355-1359.
  87. Mohta, R., Choudhary, G., Chouhan, H., Joshi, A., Bano, P. and Jhirwal, A.K. (2022). Effect of dietary supplementation of Neem (*Azadirachta indica*) and Tulsi (*Ocimum sanctum*) along with different bedding materials on performance index. Scientist, 1(2):277-284.
  88. Mohta, R., Choudhary, G., Joshi, A., Mehra, M., Dhawal, K.K. and Jhirwal, A.K. (2022). Effect of dietary supplementation of Neem (*Azadirachta indica*) and Tulsi (*Ocimum sanctum*) along with different bedding materials on growth performance. Scientist, 1(2):328-338.



89. Nabi, J., Ranjan, A., Sharma, P., Ranjan, R., Pareek, N. and Harsh, D. (2022). Antibacterial properties of *Ocimum sanctum*, *Moringa oleifera* and *Murraya koenigii* leaf extracts against *Corynebacterium pseudotuberculosis* isolated from camel (*Camelus dromedarius*). Journal of Camel Practice and Research, 29:133-140.
90. Palsania S.K., Bishnoi P., Pooniya R., Bishnoi A.K., Sharma M.P. and Patwa, R. (2022). Clinical management of tibial fractures by using type II linear external fixator in cattle. The Pharma Innovation Journal, 11(7):2060-2064.
91. Pankaj, D.K., Rani, S., Mehra, M., Asopa, S., Gupta, Pand Kumar, R. (2022). Types, pattern and morphology of liver inflammatory conditions prevalent in pig (*Sus scrofa domestica*) of Rajasthan. The Pharma Innovation Journal, SP-11(7):2600-2603.
92. Panwar, A., Joshi, S., Thanvi, P.K., Saini, M.K. and Mal, S. (2022). Anatomical and histological studies of accessory adrenal nodules in large white Yorkshire pig. The Pharma Innovation Journal, 11(7S):1393-1395.
93. Panwar, A., Thanvi, P.K. and Saini, M.K. (2022). Histomorphological peculiarities of the adrenal gland of the large white Yorkshire pig. The Pharma Innovation Journal, 11(7S):2203-2207.
94. Panwar, A., Thanvi, P.K., Yogi, V.K. and Mal, S. (2022). Histochemical studies of the adrenal gland of the large white Yorkshire pig. The Pharma Innovation Journal, 11(7S):1396-1399.
95. Panwar, J. and Bais, B. (2023). ICT: A way to assist differently abled people. The Pharma Innovation Journal, 12(2):3422-3424.
96. Panwar, J. Bais, B. and Bansal, R. (2022). Library and information science profession in Indian perspective. International Journal of Multidisciplinary Trends, 4(1): 21-23.
97. Pargi, G., Lamba, P., Jhirwal, A.K., Goswami, S.C., Saharan, V., Pilaniya, P., Choudhary, S. and Manohar, D.S. (2022). Effect of dietary supplementation and different bedding materials on the performance index of Japanese quail. The Pharma Innovation Journal, SP-11(5): 1791-1795.
98. Parihar, H.R., Gaur, A., Singh, K., Sharma, P. and Panwar, A. (2022). Qualitative phytochemical screening of various extracts of *Cucurbita maxima* seeds. The Pharma Innovation Journal, SP-11(6): 511-513.
99. Patwa, R., Bishnoi, P., Palecha, S., Bishnoi, A.K. and Sharma, P. (2022). Clinical and radiographic assessment of the efficacy of demineralized bone matrix (DBM) graft in healing of long bone fractures stabilized by inter locking nailing in canine. Indian Journal of Veterinary Surgery, 43(1):14-17.
100. Pilania, S., Nehara, M., Pannu, U., Meena, R. and Choudhary, G. (2022). Production and reproduction performance of Tharparkar cattle in arid region of Rajasthan. Indian Journal of Dairy Science, 75(5): 482-485.
101. Pilaniya, P., Bhati, N. B., Jhahria, K., Yadav, S., Chaudhary, A.D. and Kumar, L. (2022). Effect of different bedding material and dietary supplements on hematobiochemical parameter of broiler red chicken. The Pharma Innovation, SP-11(7):571-575.
102. Pilaniya, P., Bhati, N.B., Desai, P.M., Choudhary, A.D. and Lamba, P. (2022). Calf management practices followed by dairy farmers of Sabar dairy milk shed area in North Gujarat. The Pharma Innovation, SP-11(7):1583-1587.
103. Pooja, Kumar, P., Dholpuria, S., Kumar, T. and Shekhawat, P.D. (2022). Management of dystocia due to lateral deviation of fetal head and neck in an indigenous goat- a case report. Raksha Technical Review, XII (1):41-42.
104. Pooja, Kumar, P., Kumar, T., Kumawat, B.L. and Kumar, M. (2022). Incidence of genital organ abnormalities in female genitalia of Marwari goats. Theriogenology Insight, 12(02): 37-40.
105. Poonia, K., Dhuria, R.K., Sahoo, A., Dhuria D. and Sawal, R.K. (2022). Effect of phytochemical rich pelleted complete feed on haemato-biochemical parameters in camel calves. Journal of Camel Practice and Research, 29(3):355-358.
106. Poonia, N.K., Choudhary, G., Kumar, V., Bothra, T. and Jhirwal, A.K. (2022). Effect of dietary supplementation of giloy herb and ascorbic acid along with different bedding materials on fortnight feed consumption and feed conversion ratio of Japanese quail. The Pharma Innovation Journal, SP-11(7):709-713.
107. Poonia, R., Marwaha, S., Mathur, M., Dhadhich, H., Vyas, I., Rani, Sand Mehra, M. (2022). Histopathological findings in liver in reference to calf diarrhoea (*Bubalus Bubalis*). The Pharma Innovation Journal, SP-11(7): 855-857.
108. Poonia, R., Mehra, M., Mathur, M., Dhadhich, H. and Rani, S. (2022). Lipoma of the small intestine: A cause for intussusception in buffalo. The Pharma Innovation Journal, SP-11(7): 3469-3470.
109. Prajapat, A., Bais, B., Kumar, D., Gadekar, Y., Meena, R., Meena, M. and Tak, L. (2022). Study on textural analysis of camel and goat milk paneer incorporated with spices. The Pharma Innovation Journal, SP-11(7): 4407-4411.
110. Prajapat, P., Mathur, M., Prajapat, U.K., Dadhich, H., Godara, N., Rashmi and Sharma, S. (2022). Estimation of some sero-biochemical parameters in renal affected poultry in arid zone of Rajasthan. Veterinary Practitioner. 23(1):



111. Prakash, Yadav, S.B.S., Pannu, U., Nehara, M., Chopra, A., Mehra M. and Khichar, J.P. (2022). Genetic and non-genetic factors of greasy fleece weight in organized flock of Chokla sheep of Rajasthan. The Pharma Innovation Journal, SP-11(7): 1296-1299.
112. Punam, Maan, R., Pareek, S., Jain M., Janagal, L. (2022). Altered serum vitamin E and glutathione levels in broilers during hot humid ambience. The Pharma Innovation Journal, 11(1): 926-928.
113. Puniya, S.R., Prakash and Arora, R. (2022). Effect of vitamin E and selenium supplementation on milk yield of Kankrej cattle. The Pharma Innovation Journal, SP-11(7):2604-2607.
114. Puniya, S.R., Prakash, Arora, R. and Piloniya, P. (2022). Effect of Vitamin E and selenium supplementation on lactose percentage in milk of Kankrej cattle in arid region of Rajasthan. The Pharma Innovation Journal, SP-11(7):3751-3754.
115. Purohit, G.N., Nain, S., Vyas, S., Chaudhary, A.K., Kumar, A., Dholpuria, S. and Saraswat, C. (2022). Special features in the reproductive anatomy, physiology and behavior of male camels (*Camelus dromedarius*). Theriogenology insight, 12(02):1-25.
116. Purohit, G.N., Vyas, S., Yadav, V., Nain, S., Choudhary, A.K., Kumar, A., Dholpuria, S. and Saraswat, C. (2023). Semen characteristics and artificial insemination in *Dromedary camels*. Small Ruminant Research, <https://doi.org/10.1016/j.smallrumres.2023.106911>
117. Purohit, H., Pannu, U., Sharma, R., Kumar, V., Prasad, S., Vyas, J. and Harsh. A. (2023). Dairy performance of recently registered Sanchori cattle of Rajasthan. The Pharma Innovation Journal, 12(1): 3004-3006.
118. Purva, M., Gahlot, K., Pandey, A.K. and Shringi, B.N. (2022). Molecular characterization and in silico analysis of NOD-like receptor P12 (NLRP12) in dromedary camel. Journal of Camel Practice and Research, 29(3):297-304.
119. Puspaa, Rajput, D.S., Sharma, N.K., Singh, R.P., Godara, C.S. and Meena, S. (2022). Constraints perceived and suggestion elicited by rural woman to improve their participation in different animal husbandry activities. Veterinary Practitioner, 23(2):428-430.
120. Ram, P., Thanvi, P.K., Dangi, A., Siyag, R.K., Yogi, V.K., Kumar, S. and Mal, S. (2022). Histological studies on the rectum of pig (*Sus scrofa domestica*). The Pharma Innovation Journal, 11(7S):2330-2336.
121. Rashmi, Meena, M.K. Mehra, M., Poonam, Subhita and Hashmi, M.I. (2022). Estimation of biochemical parameters associated with various pathological conditions of kidney in goats (*Capra hircus*). The Pharma Innovation Journal, SP-11(7):380-382.
122. Renu, Burdak, S., Dadhich, H., Mathur, M., Boyal, P.K., Mehra, M., Poonia, R. and Mohta, R. (2022). Histopathological study of *Clostridium perfringens* type D infection in sheep. The Pharma Innovation Journal, SP-11(7): 1252-1254.
123. Renu, Dadhich, H., Mathur, M., Boyal, P.K., Mehra, M. and Prakash. (2022). Pathological changes in heart of sheep affected with *Clostridium perfringens* type D enterotoxemia. The Pharma Innovation Journal, SP-11(7): 1171-1172.
124. Renu, Dadhich, H., Mathur, M., Boyal, P.K., Mehra, M., Rani, S. and Mohta, R. (2022). Molecular identification of *Clostridium perfringens* from intestine of sheep. The Pharma Innovation Journal, SP-11(7): 1173-1174.
125. Saini, M.K., Thanvi, P.K., Singh, D. and Panwar, A. (2022). Gross morphological study on the epididymis of camel (*Camelus dromedarius*). The Pharma Innovation Journal, 11(7S):2659-2662.
126. Sankhala, L.N., Ranjan, A. and Suvidhi (2022). Evaluation of effect of cow urine distillate on humoral and cell mediated immunity in Imidacloprid intoxicated white leghorn broilers. Veterinary Practitioner, 23(1): 156-158.
127. Sankhala, L.N., Ranjan, A., Suvidhi, Kant, L. and Tripathi, S.M. (2022). Evaluation of ameliorative effect of cow urine distillate on serum biochemical parameters in Imidacloprid intoxicated white leghorn broilers. The Pharma Innovation Journal, SP-11(4): 263-266.
128. Saran, R.K., Vyas, J., Pannu, U., Narula, H.K. and Chopra, A. (2023). Evaluation of growth performance and inbreeding effect in Magra sheep. Indian journal of Small Ruminants, 29(1):22-26.
129. Sharma, A., Joshi, M., Sharma, N. and Kumar, A. (2023). Study the effect of feeding of hydroponics maize fodder on nutrient utilization efficiency in Gir cows. Journal of Animal Research, 13(01): 01-04.
130. Sharma, L., Nehara, M., Saini, A., Pannu, U. and Narula, H.K. (2022). Non-genetic factors affecting wool quality traits of Chokla sheep. Indian Journal of Small Ruminants, 28(2):390-392.
131. Sharma, M.P., Sharma, R.K., Bishnoi, A.K., Palsania, S.K., Vilas, D. and Bishnoi, P. (2022). Transarticular application of circular external skeletal fixation system for management of comminuted metacarpal fracture near carpal joint in cattle calves. Ruminant Science, 11(1):7-14.
132. Sharma, N.C., Bais, B. and Vyas, J. (2022). Determination of storage stability of *Aloe vera* based whey beverage prepared from camel and goat milk. The Pharma Innovation Journal, 11(7S): 1927-1929.
133. Sharma, N.C., Bais, B. and Vyas, J. (2022). Formation and storage stability of coconut water



- based whey beverages prepared from camel and goat milk. *The Pharma Innovation Journal*, 11(7S): 1924-1926.
134. Sharma, N.C., Bais, B., Vyas, J. and Sharma, A. (2022). Development and sensory evaluation of *Aloe vera* and coconut water based whey beverages prepared from camel and goat milk. *Asian Journal of Dairy and Food Research*, DOI: 10.18805/ajdf. DR-1742
  135. Sharma, R.K., Mishra, S. and Bishnoi, A.K. (2022). Surgical management of traumatic iris protrusion indian indigenous Gir cattle. *Veterinary Practitioner*, 23(1):63-64.
  136. Sharma, R.K., Mishra, S., Sharma, M. and Bishnoi, A.K. (2022). Management of long bone fractures using diverse fracture fixation techniques in small animals. *Journal of Scientific Research and Reports*, 28(1):107-120.
  137. Shekhawat, S., Rajput, D.S., Sharma, N.K., Singh, R.P. and Meena, R. (2022). Awareness level of cattle owners about animal welfare practices related to health and breeding practices. *Veterinary Practitioner*, 23(2):424-425.
  138. Sikarwar, S., Mathur, R. and Dangi, A. (2022). Gross and histological studies on the epididymis of large white Yorkshire pig (*Sus scrofa*). *The Pharma Innovation Journal*, SP-11(7):604-608.
  139. Sikarwar, S., Mathur, R. and Dangi, A. (2022). Histological studies of the interstitial tissue in the testes of large white Yorkshire pig (*Sus scrofa*). *The Pharma Innovation Journal*, SP-11(7):1588-1590.
  140. Sikarwar, S., Mathur, R. and Dangi, A. (2022). Histological studies of seminiferous tubules in the testes of large white Yorkshire pig (*Sus scrofa*). *The Pharma Innovation Journal*, SP-11(7):505-508.
  141. Singh, C.P., Sharma, N.K., Rajput, D.S., Singh, R.P. and Singh, N. (2022). Job preferences of veterinary students in Rajasthan. *Veterinary Practitioner*, 23(2):426-427.
  142. Singh, D., Anand, S., Sharma, P., Swarnkar, R., Choudhary, A., and Kuntal, N.S. (2022). Histopathological alterations induced by sub-acute fipronil toxicity in rats and its amelioration by extracts of *Anthocephalus cadamba*, *Brassica juncea* and *Pithecellobium dulce*. *Scientist*, 1(3):5992-6002.
  143. Singh, K., Sharma, P., Gaur, A. and Parihar, H.R. (2022). Anthelmintic activity of aqueous and alcoholic extracts of *Carica papaya* seeds in naturally infested goats. *Asian Journal of Dairy and Food Research*, DOI: 10.18805/ajdf. DR-1964.
  144. Singh, K., Sharma, P., Gaur, A., Mohammed, N., Parihar, H.R. Chouhan, A.K. and Meena, D.S. (2022). Preliminary phytochemical analysis of aqueous and alcoholic extracts of *Moringa oleifera* leaves. *The Pharma Innovation Journal*, SP-11(6): 808-810.
  145. Singh, K., Sharma, P., Gaur, A., Parihar, H.R. (2022). In vivo anthelmintic therapeutic efficacy of aqueous and alcoholic extracts of *Moringa oleifera* leaves in naturally infected goats. *Scientist*, 1(3):4563-4573.
  146. Singh, N., Rajput, D.S. and Sharma, N.K. (2022). Knowledge level of scientific management practices of buffalo farmers in Bharatpur district of Rajasthan. *The Pharma Innovation Journal*, SP-11(6):3036-3040.
  147. Singh, N., Sharma, S., Sharma, V., Gupta, S.R., Dhakad, G.S. and Yadav, S.K. (2022). Association of breed and non genetic factors with freezing point and milk attributes of Zebu cattle. *Indian Journal of Dairy Science*, 72(2): 144-150.
  148. Singh, R., Jhirwal, S.K., Lal, M., Sanel, P. and Bishnoi, P. (2022). Electrodiagnostic evaluation of retina in healthy dogs. *Haryana Veterinarian*, 61(SD):34-36.
  149. Singhal, N., Asopa, S., Dadhich, H., Mathur M. and Kalani, P. (2022). Pathological study of various types of necrosis in poultry. *Veterinary Practitioner*, 23(2): 376-378.
  150. Siyag, R.K., Dangi, A., Thanvi, P.K., Ram, P., Yogi, V.K. and Saini, M.K. (2022). Gross anatomical studies on the rectum of goat (*Capra hircus*). *The Pharma Innovation Journal*, 11(7S): 283-286.
  151. Solanki, P., Choudhary, S., Singh, A.P., Kachhawa, J.P., Soni, R. and Savita. (2022). Prevalence of subclinical mastitis in dairy cows in the area of Bikaner district of Rajasthan. *The Pharma Innovation Journal*, 11(7S): 279-282.
  152. Soni, R.K., Kachhawa, J.P., Gupta, S.R., Jamta Ram, Gautam, S. and Choudhary S. (2022). Crusted scabies in rabbits due to *Sarcoptes scabiei* infestation. *Journal of Veterinary Parasitology*, 36(1):75-77.
  153. Subhita, Nehara, M., Pannu, U., Bairwa, M. and Rashmi (2023). Comparative study of multiple linear regression and artificial neural network for prediction of first lactation 305-days milk yield in Tharparkar cattle. *Indian Journal of Dairy Science*, 76(1): 1-7.
  154. Subith, C., Jhirwal, S.K., Bishnoi, P. and Gahlot T.K. (2022). Echobiometry of eyes of dromedary camels (*Camelus dromedarius*). *Journal of Camel Practice and Research*, 29(2):203-206.
  155. Subith, C., Jhirwal, S.K., Palecha, S., Bishnoi, P. and Gahlot, T.K. (2022). Computed tomographic imaging of eye of the dromedary camel. *Journal of Camel Practice and Research*, 29(1):73-75.
  156. Suvidhi, Sankhala, L.N., Pal, Y., Legha, R.A. and Dedar, R.K. (2022). Effect of diosmin and hesperidin supplementation on haematological and serum electrolytes profile in donkeys (*Equus asinus*). *Veterinary Practitioner*, 23 (1): 159-161



157. Tak, L., Bais, B. and Singodia, M. (2022). Development and quality assessment of cereal flour enriched functional meat soup powder prepared from spent hen meat. *Veterinary Practitioner*, 23(2):400-404.
158. Tanwar, J., Solanki, P., Marwaha, S. and Kachhawa, J.P. (2022). Combination therapy with imidocarb dipropionate and doxycycline to clear infection of *Hepatozoon canis* in dog. *The Pharma Innovation Journal*, 11(7S): 1510-1511.
159. Vyas, J., Pannu, U., Saran, R.K., Narula, H.K., Chopra, A. and Gowane, G.R. (2023). Performance evaluation of Marwari lambs for growth traits and impact of inbreeding. *Zygot*. page 1 of 8. doi: 10.1017/S0967199423000138.
160. Yadav, N., Panu, U., Nehara, M. and Gujar, G. (2022). A review on thermoregulatory responses in Tharparkar cattle against heat stress. *Journal of Animal Research*, 12(05): 675-688.
161. Yadav, V., Kumar, P., Dholpuria, S., Sharma, P.K. and Pooja (2022). Management of dystocia through subcutaneous fetotomy in Holstein Friesian cow: a case report. *The Indian Journal of Animal Reproduction*, 43(1):74-76.
162. Yogi, V.K., Thanvi, P.K., Siyag, R.K., Mal, S. and Sharma, A. (2022). Histochemical studies on the rectum of one humped camel (*Camelus dromedarius*). *Pharma Innovation*, 11(7):387-389.
- Research Publications, CVAS, Navana**
1. Arora, S., Pareek, S. and Kataria, N. (2022). Influence of seasonal variation on fractional excretion of electrolytes in Sirohi goat from Southern Rajasthan. *The Pharma Innovation Journal*, 10(12S): 1816-1819.
2. Chaudhary, A., Devi, D., Singh, G., Singathia, R., Khinchi, R.K., Purohit, K., Doot, M. and Solanki, S. (2023). Molecular analysis of antibiotic resistance against *Salmonella* spp. isolated from calf diarrhea. *Cattle Practice*, 31(3):2023-2054.
3. Chaudhary, A., Solanki, S., Sharma, D., Singathia, R., Rathore, K., Sain A. and Devi, D. (2022). Isolation, identification, molecular characterization and antibiogram studies of *Salmonella* spp. isolated from calf diarrhea in and around Udaipur (Rajasthan). *The Pharma Innovation Journal*, 11(2S): 1413-1417.
4. Chopdar J., Sharma, M.C., Gurjar, M.L., Meel, M.S. and Bansal, G.K. (2022). Growth performance of Sirohi goat kids under different feeding management systems. *The Pharma Innovation Journal*, SP-11(3):598-600.
5. Choudhary, D., Shekhawat, S.S., Gaurav, A., Kalwaniya, M.K., Surendra, and Poonia, K. (2022). Prevalence and antibiogram of *Staphylococcus aureus* isolated from foods of animal origin. *The Pharma Innovation Journal*, SP-11(7):401-403.
6. Choudhary, S., Choudhary, V., Rewar, R., Lamba, P., Meel, P., Mordia, A. and Gurjar, M.L. (2022). Study on Socio-economic profile of cattle rearers in non-tribal area of Udaipur district of Rajasthan. *The Pharma Innovation Journal*, SP-11(7):879-882.
7. Deepak, Jhamb, D., Nirwan, S., Juneja, R., Singh, J., Gaur, M. and Talluri, T. (2022). Comprehensive study on dynamics of early embryonic development in Marwari mares. *Indian Journal of Animal Sciences*, 92(3):297-301.
8. Deepika, Morwal, S. and Sharma, S.K. (2022). Prevalence of *Theileria annulata* infection in cattle in Vallabhnagar region of Udaipur District of Rajasthan. *The Pharma Innovation Journal*, SP-11(11): 1395-1398.
9. Dhaka, N., Kumar, V., Nagda, R.K. and Omprakash. (2023). Factors influencing pre and post weaning klieber ration in Sonadi sheep. *Indian Journal of Small Ruminant*, 29(1):148-151.
10. Dixit, A. and Manzer, H. (2022). In-vitro study on acaricidal efficacy of acetic acid extracts of *Daturastramonium* against cattle tick (*Rhipicephalus (B.) microplus*) in Udaipur. *Scientist*, 1(3):3120-3123.
11. Dixit, A., Manzer, H., Khatoun, S., Rathore, A., Saini, B.S., Kumar, J. and Nagar, S.R. (2022). In-vitro study on acaricidal efficacy of methanolic extracts of *Datura stramonium* against cattle tick (*Rhipicephalus (B.) microplus*) in Udaipur. *The Pharma Innovation Journal*, SP-11(1):1142-1144.
12. Doot, M., Gaurav, A., Solanki, S., Chavhan, D.M. and Bairwa, V.C. (2022). Detection of virulence genes methicillin resistant *Staphylococcus aureus* from bovine subclinical mastitic milk. *Journal of Animal Research*, 12(2):193-198
13. Gaurav, A., Khinchi R.K., and Kumar, S. (2022). Antibiogram analysis of *Escherichia coli* isolates recovered from dog faeces. *Journal of Scientific Research and Reports*, 28(11): 91-95.
14. Gautam, L. and Waiz, H.A. (2023). The precision approach of the lactation curve in Sirohi goats using non-linear models. *Iranian Journal of Applied Animal Science*, 13(1):105-111.
15. Gunjan, Purohit, K., Singh, G., Kumari, M., Rathore, A., Aditi, Mishra, S., Poonam, dixit, A. (2022). Pathomorphological studies of lung lesions in buffalo (*Bubalus bubalis*) in southern region of Rajasthan. *The Pharma Innovation Journal*. SP-11(2): 1274-1279.
16. Jedia, H.K., Joshi, M., Sharma, S.K., Gurjar, M.L., Aalam, H.M. and Purohit, K. (2022) Effect of phytochemical feed additives garlic (*Allium sativum*), Ashwagandha (*Withania somnifera*) and Shatavari (*Asparagus racemosus*) on haematology in broiler chicks. *The Pharma Innovation Journal*, 11(6S): 1908-1911.



17. Jhamb, D., Talluri, T., Juneja, R., Sharma, S., Nirwan, S., Mehta, S., Kumar, R., Kumar, P., Pargi, K. and Gaur, M. (2022). Cryopreservation has detrimental effect on mitochondrial membrane potential, DNA integrity and oxidative parameters of equine spermatozoa. *Cryobiology*, 109:55.
18. Jhamb, D., Talluri, T.R., Sharma, S., Juneja, R., Nirwan, S.S., Pargi, K.K., Tanwar, A., Kumar, P., Kumar, R., Mehta, S.C., Parashar, M. and Gaur, M. (2023). Freezability and fertility rates of stallion semen supplemented with trehalose in lactose extender. *Journal of Equine Veterinary Science*, 104293.
19. Joshi, M. (2022). Dermatological disorders in dogs in Udaipur district and their nutritional management. *Indian Journal of Canine Practice*, 14 (2):161-162.
20. Juneja, R., Jhamb, D., Gaur, M., Sharma, S.K., and Sain, A. (2023). A retrospective study on causes of dystocia in cattle and buffaloes at referral centre in south Rajasthan. *Indian Journal of Veterinary Sciences and Biotechnology*, 19 (2):104-106.
21. Kain, A., Arora, S. and Kataria, N. (2022). Evaluation of hydration status in Tharparkar cows during varying ambiences from arid tract of Rajasthan. *The Pharma Innovation Journal*, 11(7S): 1016-1019.
22. Kain, A., Arora, S. and Kataria, N. (2022). THI versus acidification indicators in Tharparkar cows during varying environmental periods. *The Pharma Innovation Journal*, 11(7S): 1012-1015.
23. Katara, A., Gaur, M., Juneja, R. and Harizan, I.M. (2022). Effect of various concentration of caffeine on pre-freeze and post thaw quality of Surti buffalo (*Bubalus bubalis*) bull semen. *The Pharma Innovation Journal*, 11(7):1519-1522.
24. Khinchi, R.K., Gaurav, A., Manju, Sharma, S.K. and Solanki, S. (2022). Antibiotic susceptibility pattern of bacterial pathogens isolated from canine superficial pyoderma. *Current Journal of Applied Science and Technology*, 41(43):17-22.
25. Khinchi, R.K., Gaurav, A., Rathore, D. and Mahla, R. (2022). Therapeutic management of otitis externa in dogs. *Journal of Scientific Research and Reports*, 28(11):127-129.
26. Khinchi, R.K., Saini, K.K., Solanki, S., Manju, Sharma, S.K. and Gaurav, A. (2022). Molecular prevalence of babesiosis in cattle in Southern Rajasthan. *Journal of Animal Research*, 12(06): 885-888.
27. Krishaniya, R., Saini, B.S., Arora, S., Meel, M.S. and Solanki, S. (2022). Alterations in some important hematological attributes in Gir cattle during varying study points of peripartum period. *The Pharma Innovation Journal*, 11(8):1960-1963.
28. Kumar, K. and Gaur, M. (2022). Glutathione as a Semen Additive to Improve Surti Buffalo (*Bubalus bubalis*) Bull Semen Cryopreservation. *The Indian Journal of Veterinary Sciences and Biotechnology*, 18(1):116-118.
29. Kumar, N., Barua, S., Kumar, R., Khandelwal, N., Kumar, A., Verma, A., Singh, L., Godara, B., Chander, Y., Kumar, G., Riyesh, T., Sharma, D. K., Pathak, A., Kumar, S., Dedar, R. K., Mehta, V., Gaur, M., Bhardwaj, B., Vyas, V., Chaudhary, S. and Tripathi, B. N. (2023). Evaluation of the safety, immunogenicity and efficacy of a new live-attenuated lumpy skin disease vaccine in India. *Virulence*, 14(1):2190647. <https://doi.org/10.1080/21505594.2023.2190647>
30. Kumari, M., Purohit, K., Singh, G., Rathore, A., Limbat, R., Sharma, R. Poonam and Gunjan. (2022). Pathological changes of snake envenomation in a Beagle dog- a case report. *Indian Journal of Veterinary Pathology*, 46(1): 86-89.
31. Kumari, M., Rajendar, Gupta, P., Bagri, P. and Singh, R. (2023). Immunopathological studies on *Escherichia coli* infected broiler chickens fed on Aloe vera leaf extract. *Veterinary Immunology and Immunopathology*. 258. 110562
32. Limbat, R., Kumari, M., Rathore, A., Poonam and Gunjan. (2022). Prevalence and pathological investigation of gastrointestinal parasitic infection among goats affected with diarrhoea. *Acta Scientific Veterinary Sciences*, 4(5): 22-28.
33. Meel, M.S., Sharma, T., Dhuria, R.K., Joshi, M., Shende, K.A., Kumari, M. and Mishra, G. (2022). Influence of dietary inclusion of *Moringa oleifera* leaf meal on blood chemistry of broiler chicks. *Scientist*, 1(3):4300-4305.
34. Meel, M.S., Sharma, T., Dhuria, R.K., Joshi, M., Shende, K.A., Kumari, M. and Mishra, G. (2022). Influence of dietary inclusion of *Moringa oleifera* leaf meal on blood chemistry of broiler chicks. *Scientist*, 1(3): 4300-4305.
35. Meena, N.N., Waiz, H.A., Chavhanand, D.M. and Tosawada, K. (2022). Impact of stocking density on broiler chicken performance, blood biochemistry and carcass attributes in an intensive rearing system. *Iranian Journal of Applied Animal Science*, 12(4):803-812.
36. Meena, V., Sharma, S., Meena, S., Chandolia, L., Jhoshi, M., Gaur, M., Khinchi, R. and Jedia, H. (2022). Prevalence of periparturient disorders during transition period in buffaloes. *The Pharma Innovation Journal*, 11(8):407-412.
37. Nagar, S.R., Khatoon, S., Alam, H.M., Purohit, K., Kumar J., and Dixit, A.K. (2022). Epidemiological studies on gastrointestinal helminths of horses of Udaipur Rajasthan. *The Pharma Innovation Journal*, 11(9): 82-86.





38. Narayan, V., Joshi, A. and Gahlot, K. (2022). One health in the prevention and control of rabies. *Just Agriculture*, 3(3): 1-6.
39. Punia, V., Manzer, H., Kumar, J., Rathore, A. and Bano, P. (2022). In vitro study on acaricidal efficacy of *Azadirachta indica* (Neem) methanol extracts against *Rhipicephalus (B.) microplus* in Udaipur (Rajasthan). *The Pharma Innovation Journal*, 11(7):731-734.
40. Rathor, B.K., Meel, M.S., Gautam, L., Shende, K.A. and Joshi, M. (2022). Effect of dietary inclusion of *Trachyspermum ammi* on growth performance and carcass characteristics of broiler chickens. *Asian Journal of Dairy and Food Research*, DOI: 10.18805/ajdfr.DR-1866.
41. Saini, K.K., Khinchi, R.K., Manju, Sharma, S.K., Gaurav, A., and Solanki, S. (2022). Evaluation of haemato-biochemical alterations, antioxidant status and oxidative stress in *babesia* infected cattle. *Journal of Animal Research*, 12(06):871-877.
42. Saini, R.K., Gurjar, M.L., Mishra, G., Saini, A. and Bunkar, M.K. (2022). Study on the role of human resources in cattle rearing practices and the marketing practices in relationship to herd size of cattle in Alwar district of Rajasthan. *Ruminant Science*, 11(1):83-88.
43. Sharma, A., Joshi, M., Sharma, N. and Kumar, A. (2023). Study the effect of feeding of hydroponics maize fodder on nutrient utilization efficiency in Gir cows. *Journal of Animal Research*, 13(1): 01-04.
44. Sharma, N.K., Joshi, M., Purohit, P., Lal, D. and Purohit, H. (2022). Economics of green *Azolla (Azolla pinnata)* feeding in Sirohi kids. *The Pharma Innovation Journal*, SP-11(7):2684-2686.
45. Sharma, N.K., Joshi, M., Purohit, P., Lal, D. and Purohit, H. (2022). Effect of feeding green *Azolla (Azolla pinnata)* on rumen parameters in Sirohi kids. *The Pharma Innovation Journal*, SP-11(7): 2690-2693.
46. Sharma, S.K. and Rathore, G. (2022). Clinico-therapeutic studies on canine heartworm disease. *Indian Journal of Canine Practice*, 14 (2):59-63.
47. Sharma, S.K., Joshi, M. and Nagar, J.K. (2022). Clinical and haemato-biochemical studies on gastro-intestinal colic in Horse. *Indian Journal of Animal Research*, 56(4): 489-493.
48. Sharma, V.K., Bhardwaj, S.K., Singhal, S.S., Tanwar, K.P., Meena K. and Arora, S. (2022). Dynamics of environment: The modulation of serum metabolites and electrolytes in Sirohi goat. *The Pharma Innovation Journal*, 11(7S): 3447-3450.
49. Shashikant, Nagda, R.K., Choudhary, A. and Joshi, A. (2022). The phenotypic characterization of Sirohi goats in southern Rajasthan. *Scientists*, 1(2):217-222.
50. Sihag, A., Singhal, S.S., Arora, S., Sharma, V.K. and Kataria, N. (2022). Environmental conditions versus cellular metabolic regulators of krebs cycle in Sirohi goat from southern Rajasthan. *The Pharma Innovation Journal*, 11(10):1043-1045.
51. Singhal, S.S., Arora, S., Sharma, V.K., Abhimnu, Kataria, A.K. and Kataria, N. (2022). Heat stress associated alterations in water-deficit markers in sheep from western Rajasthan. *International Journal of Bio-resource and Stress Management*, 13(11):1209-1214.
52. Solanki, S., Purohit K. and Devi, D. (2023). Multidrug-resistant bacterial isolates in bovine subclinical mastitis from southern Rajasthan. *Asian Journal of Dairy and Food Research*, 42(1): 53-59.
53. Surendra, Gaurav, A., Chaudhary, D., Sharma, S., Harsh V. and Nagar, M.K. (2022). A survey on farm demographics, hygiene and biosecurity measures of poultry farmers of Udaipur district. *The Pharma Innovation*, 11 (7):421-424.
54. Verma, A.K., Sharma, S.K. and Joshi, M. (2022). Assessment of levels of biomarkers of oxidative stress during peri-parturient period in Gir cows. *Asian Journal of Dairy and Food Research*, 10.18805/ajdfr.DR-1885.
55. Waiz, H.A., Meena, N.N., Chavhan, D.M. and Tosawada, K. (2022). Impact of stocking density on broiler chicken performance, blood biochemistry, and carcass attributes in an intensive rearing system. *Iranian Journal of Applied Animal Science*, 12(4): 803-812.
56. Waiz, H.A. (2023). Effects of beetroot juice supplementation on performance, blood-biochemistry of Kadaknath chicken raised under farm conditions. *Journal of Animal Research*, 13(1):43-48.
57. Yadav, K.M., Joshi, M. and Sharma, S.K. (2022). Effect of herbal feed additives Fenugreek (*Trigonella foenum*) seed powder and Onion (*Allium cepa*) powder on metabolizability of nutrients and gut health of broilers. *The Pharma Innovation Journal*, 11(7S): 273-275.
58. Yadav, K.M., Joshi, M., Sharma, S.K., Shende, K.A., Gurjar, M. L. and Meel, M. S. (2022). Effect of herbal feed additives fenugreek (*Trigonella foenumgraecum*) seed powder and onion (*Allium cepa*) powder on haemato-biochemical and carcass characteristics of broilers. *Journal of Dairy and Food Research*, DOI: 10.18805/ajdfr.DR-1904.

#### Research Publications PGVER, Jaipur

1. Ankur, Yadav, P., Meena D.S., Mali, M.M. and Dedar, R.K. (2022). Therapeutic efficacy of aqueous extract of *Ocimum sanctum* (Tulsi) on oxidative stress biomarkers in horses. *Scientist*, 1(2):262-267.



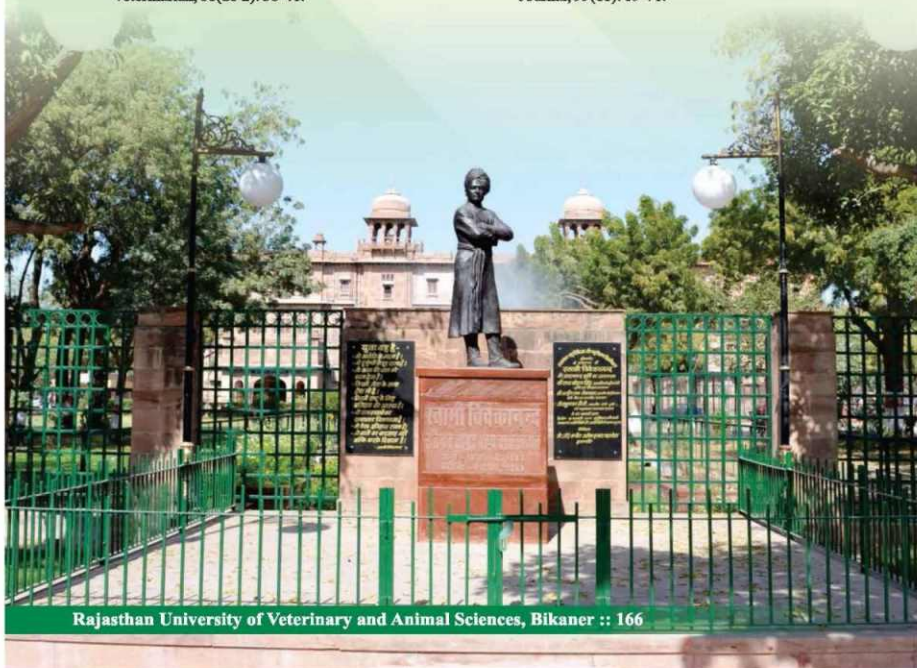
2. Baindha, A., Rewani, S.K., Sharma, P.C., Sharma, S. and Chand, S. (2022). Influence of personality traits on entrepreneurial intention of veterinary students in India. *The Haryana Veterinarian*, 61(2): 229-232.
3. Bhuradia, R.K., Singh, N., Sharma, S., Choudhary, S., Singh, N., Joshi, G. and Kavita, A. (2023). Effect of sprinkler with fan on growth, physiology and behaviour of Murrah buffalo calves. *Indian Journal of Dairy Science*, 76(1): 78-83.
4. Bishnoi, P., Sharma, S., Singh, N., Karnani, M., Mishra, G., Dhakad, G.S. and Sharma, R.A. (2021). Effect of neem leaves (*Azadirachta indica*) as a supplementary litter material on performance of broiler birds. *Indian Journal of Poultry Science*, 56(2): 155-159.
5. Budania, H., Singh, V., Rewani, S.K., Saini, G.R., Rajawat, N.S., Verma, S.K. and Sharma, A.K. (2022). Constraints perceived by dairy farmers in biosecurity practices. *The Pharma Innovation Journal*, SP-11(7): 3120-3122.
6. Chandra, V., Singh, N., Sharma, S., Saini, A., Meena, S.K., Gahan, M.K. and Baindha, A. (2022). Comparative efficacy of evaporative cooling pad and fogger system on growth performance of broiler chicken in summer season. *Biological Forum – An International Journal*, 14(4a): 390-397.
7. Chharang, D. and Choudhary, S. (2022). Probiotic manipulation of the gut ecosystem and its impact on body condition score in the asian elephant. *Indian Journal of Ecology*, 49(5): 1642-1646.
8. Choudhary, S., Joseph, B., Sharma, S.K., Shekhawat, S.S. and Mohammed, N. (2022). Detection of extended-spectrum beta-lactamase and carbapenemase resistant *Klebsiella pneumoniae* in bovine milk. *Ruminant Science*, 11(1): 93-100.
9. Choudhary, S., Kala, C., Meena, D.S., Kumar, A., Meena, K., Singh, K., Chouhan, A.K., Yogi, V.K. and Meena, D.S. (2022). Clinical and hematological changes during therapeutic trial on ruminal acidosis in goats. *The Pharma Innovation Journal*, SP-11(7): 3687-3689.
10. Choudhary, S., Mohammed, N., Meena, A.K., Chouhan, A.K., Meena, K.S., Singh, K. and Singh, D. (2022). Prevalence of theileriosis in Jaipur region. *The Pharma Innovation Journal*, SP-11(7): 3684-3686.
11. Chouhan, A.K., Monika, P. K., Rathore, B., Sodha, D.B. and Choudhary, U. (2022). Identification of nematode infective larvae in black bucks (*Antelope cervicapra*). *The Pharma Innovation Journal*, SP-11(7): 383-385.
12. Dadhich, R., Dadhich, H. and Sharma, G.D. (2022). Pathological and haemato-biochemical studies of mastocytoma in Dogs. *Indian Journal of Canine Practice*, 14(2):146.
13. Dariya, S., Dadhich, R., Bishnoi, S., Meena, S., Jangid, S.K. and Agrawal, M. (2022). Occurrence and histopathology of pulmonary adenomatosis in goat. *The Pharma Innovation*, SP-11(11): 1580-1581.
14. Dhakad, G.S., Saini, S., Mallick, P.K., Jatav, P.K., Gowane, G.R. and Sharma, P.C. (2023). Non-genetic factors affecting lifetime body weight in ram lamb of Malpura sheep. *Indian Journal of Small Ruminants*, 29(1): 11-16.
15. Dhakad, G.S., Saini, S., Mallick, P.K., Misra, S.S., Gowane G.R., Sharma S., Prakash, V., Kumar, A., Mahala, S. and Singh, N. (2022). Elucidating Genotype X environment interaction over the growth trajectory of Malpura sheep in semi-arid region of India through random regression model. *Small Ruminant Research*, 216-106791.
16. Dhakad, G.S., Saini, S., Mallick, P.K., Sharma, P.C., Singh, N., Kumar, R. and Kumar, M. (2022). Estimates of (Co) variance components and genetic parameters for growth traits of Malpura sheep in semi-arid region of Rajasthan. *The Pharma Innovation Journal*, SP-11(6): 2251-2255.
17. Kain, A., Arora, S., Singh, K., Kataria, N. and Kataria, A.K. (2022). Urine metabolites exploration during various ambiances in Tharparkar cows from Bikaner district of Rajasthan. *The Pharma Innovation Journal*, SP-11(7): 1754-1757.
18. Kain, A., Singh, K., Arora, S. and Kataria, N. (2022). Environmental ambiances vis-à-vis antioxidants in Tharparkar cows from Bikaner district of Rajasthan. *The Pharma Innovation Journal*, SP-11(7): 1045-1048.
19. Kala, C., Meena, D.S., Choudhary, S., Meena, O.P., Meena, A.K., Sharma, K.K. and Sharma, H. (2022). Bio chemical changes during therapeutic trial on ruminal acidosis in goats. *The Pharma Innovation Journal*, Sp-11(7): 2436-2439.
20. Khinchi, R.K., Gaurav, A., Manju, Sharma, S.K. and Solanki, S. (2022). Antibiotic susceptibility pattern of bacterial pathogens isolated from canine superficial pyoderma. *Current Journal of Applied Science and Technology*, 41(43): 17-22.
21. Kumar, R., Sharma, P.C., Saini, S. and Kumar, S. (2023). Genetic evaluation of Gir cattle for success rate to conception using GLIMMIX Model. *Asian Journal of Dairy and Food Research*, doi10.18805/ajdfdr.DR-1982.
22. Kumar, S., Shekhawat, S.S., Joseph, B., Meena, D.S. and Meena, S.C. (2022). Molecular characterization of *Escherichia coli* isolated from raw and pasteurized milk. *Journal of Animal Research*, 12(4): 513-519.
23. Kumari, S., Pandey, A., Soni, A. and Mahala, A. (2022). Effect of plasma protein hydrolysates on the quality of mutton sausage. *Fleischwirtschaft International*, 3: 75-79.



24. Kumari, S., Pandey, A., Soni, A., Mahala, A., Sarkar S. and Suradkar, U. (2022). Incorporation of sheep plasma protein hydrolysates to improve physico-chemical and antioxidant characteristics of mutton sausages. *Indian Journal of Small Ruminants*, 28(2): 352-357.
25. Kumari, S., Pandey, A., Soni, A., Mahala, A., Suradkar, U. and Ambedkar, Y.R. (2022). Optimisation of antioxidant, antimicrobial and metal-chelating properties of bioactive peptides from blood wastes by enzymatic hydrolysis. *Animal Production Science*, doi. 10.1071/AN21612.
26. Maruti, D., Mittal, P.K., Gottam, G.S., Gupta, B., Singh, M. and Bilochi, D.R. (2022). Impact of seasonal variation on renal function test in Sirahi goat. *The Pharma Innovation Journal*, SP-11(5): 166-168.
27. Meena, S., Dadhich, R., Sharma, S., Meena, D.S., Sharma, S.K. and Rathore, A. (2023). Gross morphological, cytopathological and histopathological studies on intestinal coccidiosis in goat. *The Haryana Veterinarian*, 60.
28. Meena, S., Dadhich, R., Sharma, S., Meena, D.S., Sharma, S.K., Rathore, A., Marodia, S. and Singh, R. (2022). Cytopathological and histopathological studies on *sarcocystis* in oesophagus of goat. *The Pharma Innovation Journal*, 11(7): 2236-2240.
29. Monika, Gujar, G., Gupta, A., Rathore, B., Chouhan, A.K. and Sodha, D.B. (2022). Comparative evaluation of microscopy and PCR for detection of *Cryptosporidium* spp. oocysts in bovines. *The Pharma Innovation Journal*, SP-11(7): 2608-2612.
30. Ninana, U.K., Singh, S., Singh, Y.P. and Parashar, M.C. (2022). Computed radiographic measurement of different thoracic parameters in healthy German shepherd dogs. *The Haryana Veterinarian*, 61(SI): 56-59.
31. Parihar, H.R., Gaur, A., Singh, K., Sharma, P. and Panwar, A. (2022). Qualitative phytochemical screening of various extracts of *Cucurbita maxima* seeds. *The Pharma Innovation Journal*, SP-11(6): 511-513.
32. Prakash, S., Sharma, V., Karnani, M., Choudhary, S., Manju, Chharang, D. and Yadav, V.S. (2022). Effect of black Cumin seeds (*Nigella sativa*) and synbiotic supplementation on growth performance, nutrient utilization and carcass characteristics of broiler chickens. *Animal Nutrition and Feed Technology*, 22: 199-212.
33. Purohit, G.N., Vyas, S., Yadav, V., Nain, S., Chaudhary, A.K., Kumar, A., Dholpuria, S. and Saraswat C.S. (2023). Semen characteristics and artificial insemination in dromedary camels. *Small Ruminant Research*, 220. <https://doi.org/10.1016/j.smallrumres.2023.106911>.
34. Saini, A., Sharma, S., Singh, N., Saini, R.K. and Chandra, V. (2022). Effect of different stocking density on broiler performance with and without ashwagandha supplementation. *Indian Journal of Animal Nutrition*, 39(1): 104-112.
35. Saini, L.K., Mittal, P.K., Gottam, G.S., Gupta, B. and Bilochi, D.R. (2022). Impact of seasonal variation on physiological and haematological attributes in Murrah buffalo. *The Pharma Innovation Journal*, SP-11(6): 1491-1495.
36. Samma, S., Rathore, B., Fageria, K. and Chouhan, A. (2022). First report on evaluation of in vitro antitick efficacy of commercially available poly-herbal acaricide preparation against cattle tick *Hyalomma anatolicum*. *The Pharma Innovation Journal*, SP-11(7): 3396-3400.
37. Saraswat, C.S., Singh, Y.P., Ram, S., Nupur, Hitesh, Bhakar, G. and Detha, A. (2022). Laparohysterotomy for managing dystocia due to uterine inertia in a sow: a case report. *Theriogenology Insight: An International Journal of Reproduction of Animal*, 12(1): 25-26.
38. Saxena N., Meena S.C. and Shekhawat S.S. (2023). Malaria: A backyard enemy. *The Pharma Innovation Journal*, 12(3): 489-496.
39. Saxena, N. and Joshi, R. (2022). Sero prevalence of Brucellosis in Human in contact with camels in Bikaner and nearby villages in Rajasthan state of India. *International Journal of Agricultural Biology*, Doi:10.17957/IJAB/15.1983.
40. Sharma, J.K., Karnani, M., Choudhary, S. and Manju (2022). Effect of supplementation of Rosemary (*Rosemarinus officinalis*) leaves and multi enzyme on growth performance and nutrient utilization of broiler chicken. *Indian Journal of Animal Nutrition*, 39(1): 73-80.
41. Singh, K., Sharma, P., Gaur, A. and Parihar, H.R. (2022). Anthelmintic activity of aqueous and alcoholic extracts of *Carica papaya* seeds in naturally infested goats. *Asian Journal of Dairy and Food Research*, 1-7.
42. Singh, K., Sharma, P., Gaur, A. and Parihar, H.R. (2022). In vivo anthelmintic therapeutic efficacy of aqueous and alcoholic extracts of *Moringa oleifera* leaves in naturally infected goats. *Scientist*, 1(3): 4563-4573.
43. Singh, K., Sharma, P., Gaur, A., Mohammed, N., Parihar, H.R., Chouhan, A.K. and Meena, D.S. (2022). Preliminary phytochemical analysis of aqueous and alcoholic extracts of *Moringa oleifera* leaves. *The Pharma Innovation Journal*, SP-11(6): 808-810.
44. Singh, N., Sharma, S., Sharma, V., Agarwal, M., Gupta, S.R. and Sharma, P.C. (2022). Antioxidant and free radical scavenging profile of milk in various indigenous cattle breeds. *Indian Journal of Dairy Science*, 75(6): 542-546.



45. Singh, N., Sharma, S., Sharma, V., Gupta, S., Dhakad, G.S. and Yadav, S.K. (2022). Association of breed and non-genetic factors with freezing point and milk attributes of Zebu cattle. *Indian Journal of Dairy Science*, 75(2): 1-7.
46. Singh, N., Sharma, S., Sharma, V., Sharma, A. and Dhakad, G.S. (2022). Impact of biometric characteristics of udder and teats on milk quality of indigenous dairy cattle. *Indian Journal of Dairy Science*, 75(5): 486-488.
47. Singh, V. and Rewani, S.K. (2022). Social empowerment of women through dairy cooperatives in Jaipur, Rajasthan. *The Pharma Innovation Journal*, SP-11(7): 1115-1119.
48. Tiwari, R., Singh, R., Jeph, N.K., Meena D.S., Mohammad, N. and Meena, S. (2022). Prevalence of paratuberculosis in cattle of Jaipur city, Rajasthan. *Ruminant Science*, 10(2): 383-388.
49. Vijayata, Monika and Gupta, A. (2022). Point prevalence of gastrointestinal parasitism in stray dogs of Bikaner, Rajasthan. *The Haryana Veterinarian*, 61(SI-2): 38-41.
50. Yadav P., Meena D.S., Tanwar R., Bargujar, J., Singh, R., Jeph, N.K., Mali, M.M. and Dedar, R.K. (2022). The efficacy and safety of aqueous extract of *Withania somnifera* (Ashwagandha) on biochemical parameters in horses. *The Pharma Innovation Journal*, Sp-1 (7): 3139-3142.
51. Yadav, P., Ankur, Meena, D.S., Bargujar, J. and Dedar, R.K. (2022). Antioxidant activity of aqueous extract of *Withania somnifera* in horses. *Scientist*, 1(2): 255-261.
52. Yadav, P., Meena D.S., Ankur, Bargujar, J., Singh, R., Mali, M.M., Jeph, N.K. and Dedar R.K. (2022). Evaluation of exercise-induced oxidative stress in horses. *The Pharma Innovation Journal*, Sp-1(7): 1499-31501.
53. Yadav, P., Meena, D.S., Tanwar, R., Bargujar, J. and Dedar, R.K. (2022). Hematopoietic activity of aqueous extract of ashwagandha on Horses. *Scientist*, 1(2): 303-309.
54. Yadav, S., Gupta, A., Vijayata and Pateer, D.P. (2022). Point prevalence of *Balantidium Coli* in stray pigs of Kota, Rajasthan. *Indian Veterinary Journal*, 99(11): 69-71.





## Book Chapters and Popular Articles Published

### Book/Booklets/Book chapter/Folder/Leaflet/Bulletin/popular article/training manual/any other publication: CVAS, Bikaner

#### Books published

- A book authored by Basant Bais, The essentials of "Livestock Production Management" Third edition, (2023) ISBN :81-86800-10-7, was published by NBS Publisher & Distributors, Bengali Mandir, Rani Bazar, Bikaner, Rajasthan, India
- A book, A handy guide to research scholars on Library and information Services (2022) authored by Javitri Panwar and Basant Bais ISBN :81-86800-14-X was published by NBS Publisher & Distributors, Bengali Mandir, Rani Bazar, Bikaner, Rajasthan, India.
- A book authored by Ashok Dangi and Pramod Kumar "AVIDEX"- A Unique Veterinary drug index, Second edition (2022) ISBN :81-86800-12-3, NBS Publisher and distributors, Bengali Mandir, Rani Bazar, Bikaner, Rajasthan, India

#### Popular articles published

- डॉ. राजेश नेहरा, बारिश के नीसम में पशुओं को रोगों से बचाएं, राजस्थान पत्रिका, 25/08/2022
- डॉ. राजेश नेहरा, प्लास्टिक : पर्यावरण प्रदूषण के साथ पशुओं के लिए भी जानलेवा, पशुपालन नए आयाम, सितम्बर 2022
- डॉ. राजेश नेहरा, सर्दियों में पशुओं का आहार प्रबंधन, हलधर टाइम्स, वर्ष 17 अंक 46, 3 अक्टूबर-9 अक्टूबर, 2022
- डॉ. राजेश नेहरा, ए अई: नरल सुचार से अधिक दुग्ध उत्पादन हलधर टाइम्स, वर्ष 18, अंक 10, 23 जनवरी-29 जनवरी, 2023
- डॉ. राजेश नेहरा, गर्मित गाय को देखना, हलधर टाइम्स, वर्ष 19 अंक 14, 20 फरवरी- 26 फरवरी, 2023.
- डॉ अनिषा, डॉ पूजा प्रजापत एवम डॉ तारा बोथरा फसल उत्पादन बढ़ाने का अनोखा तरीका, जुलाई-सितम्बर, 2022
- डॉ ललिता देवड़ा , डॉ जेनाराम गहलोत एव डॉ तारा बोथरा, सायनो जैविक विशालता, पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसम्बर 2022
- डॉ धर्मनंद चौधरी एव डॉ तारा बोथरा, श्रालरर चूको के प्रदर्शन पर नीम एव हल्दी की उपयोगिता-पशु आहार एव चारा बुलेटिन, अक्टूबर-दिसम्बर 2022
- प्यारे लाल, संजयसिंह, नरेन्द्रसिंह, राजीव, जैविक खेती का पर्यायि वर्मी कम्पोस्ट पशुपालन नये आयाम जुलाई 2022
- Ek Swaasthya Ka Pashu janya Rogo Ke Niyantarn Me Bumika (Krishi Bharti-16/April/2022)
- Utpadhan Badane Hetu Pashuyo Ko Tanavmukt Kase Rakhe (Krishi Bharti-16/May/2022)
- Dairy Pashuo Me Sankramak bimariyo Ke Prasara Ko Rokne Hetu Samanye Upaye (April 2022-Pashupalan Naye Aayam)
- Impact of Human-Animal Relationship On Productivity And Welfare Of Livestock & Poultry (Online Published-April-June 2022 Pashudhan Prahari)

- Behavioural Pattern In Poultry And Their Welfare In April June 2022 Pashudhan Prahari
- Sudesh Kumar, Suvidhi, Upender, Taruna Bhati. Sahiwal cattle: Pride of the Indigenous Cattle Breed. Dairy Planner, July, 2022, 24(7): 6-8.
- Sudesh Kumar, Suvidhi, Upender & Taruna Bhati. Rapid and Emerging Technology for Antibiotic Susceptibility Testing. The Science World a Monthly e-Magazine, August, 2022; 2(8):1478-1481.
- Choudhary, Suvidhi & Kumar, Sudesh & Yadav, Upender & Khandelwal, Shivali. (2022). A Simple and Rapid HPLC Method for the Multi-Determination of Residue in Veterinary and Dairy Industries. The Science World a Monthly e-Magazine, 2(8), 1502-1505. 10.5281/zenodo.7037633.
- Suvidhi, Sudesh Kumar, Anil Saharan, L.N. Sankhala. Feeding Management of Dairy Animal in India. Dairy planner Oct, 2022 Vol. 24 (10): 17-19.
- Sudesh Kumar, Suvidhi, Ajay, Anil Saharan. Management of Winter Stress in Poultry Farming. Poultry Planner. Oct, 2022 Vol. 24 (10): 16-18.

#### Booklets published

- Dr. Dinesh Jain, Pashu aahar and Chara Bulletin (April- June 2022), Year 07, Issue 04, LFRMTC, RAJUVAS, Bikaner
- Dr. Dinesh Jain, Pashu aahar and Chara Bulletin (July-September 2022), Year 08, Issue 01, LFRMTC, RAJUVAS, Bikaner
- Dr. Dinesh Jain, Pashu aahar and Chara Bulletin (October- December 2022), Year 08, Issue 02, LFRMTC, RAJUVAS, Bikaner
- Dr. Dinesh Jain, Pashu aahar and Chara Bulletin (January- March 2023), Year 08, Issue 03, LFRMTC, RAJUVAS, Bikaner

#### Book chapter published

- Taruna Bhati (2023), book Chapter on "biotechnological tools in the diagnosis and control of diseases" under ASCAD Programme organized by Directorate of Extension Education, RAJUVAS, Bikaner on 13 to 17 March 2023.
- Kritika Dhal, Sudesh Kumar and Reshma Dhruw. The book chapter titled "Surface Plasmon Resonance" accepted for publication in edited book titled "Advanced Research in Veterinary Sciences (Volume -2)". Ref: ARVS-02-03, 29-06-2022.
- Amita Ranjan contributed one book chapter 'Emergence and Management of Drug Resistance in Zoonotic Pathogens' Page No: 122-139 (ISBN: 978-81-955296-2-9).
- Amita Ranjan contributed one book chapter 'Recent advances in diagnosis and management of haemoprotozoan diseases' in Training manual on 'Nucleic acid and protein based techniques for the



detection of pathogens' held at CVAS, Bikaner from June 21-25, 2022.

- A Book Chapter, Kachhawa, J.P., Singh, N.K. and Sharma A. (2022). Morbidity and Mortality Due to Zoonotic Diseases in India. In: Emerging Bacterial Zoonotic Diseases. Diwakar, R. P. (Editor). First Edition, Vital Biotech Publication, 772, Basant Vihar, Kota, Rajasthan-324009 India

#### Chapters in Training Manual

- S. Pareek "Routine disease diagnosis procedures related to biochemical parameters and rumen fluid examinations" in training manual prepared under ASCAD programme organized by Directorate of Extension Education, RAJUVAS, Bikaner.
- Deepika Dhuria "Biosecurity measures for control of Zoonotic Diseases"
- Manohar Lal Sain "Importance of Blood and Urine Examination in Livestock Disease Diagnosis"
- Manohar Lal Sain "Biomedical Waste Management Rules, 2016"

#### Training manual published

- P. Bishnoi, S.K. Jhirwal, Sakar Palecha, A.K. Bishnoi, Mahendra Tanwar, Kapil Kachhawa, Narendra Singh and Ruchi Patwa: Small animal orthopaedic training manual compiled for participants of "A Hands-on Training on Fracture Management with IM Pinning and Plating Techniques in Small Animals" organised from 10<sup>th</sup> - 14<sup>th</sup> October, 2022.
- P. Bishnoi, S.K. Jhirwal, Sakar Palecha, A.K. Bishnoi, Mahendra Tanwar, Kapil Kachhawa and Narendra Singh: Pet Animal Dentistry Training Manual compiled for participants of Add-on Certificate Course on "Pet Animal Dentistry" held from 9<sup>th</sup> March, 2022 to 6<sup>th</sup> August, 2022
- P. Bishnoi, S.K. Jhirwal, Sakar Palecha, A.K. Bishnoi, Mahendra Tanwar and Kapil Kachhawa: Small animal orthopaedic training manual compiled for participants of "A Hands-on Orthopaedic Training on Use of Pinning and Plating Techniques in Small Animal (Pets) Fracture Management" organised from 25<sup>th</sup> - 29<sup>th</sup> July, 2022.

#### Any other

- Amita Ranjan served as editor of Book (ISBN: 978-81-955296-2-9, April 2022. Pp 1-155) 'Recent Advances in Diagnosis and Management of Zoonotic Diseases'.
- J.P. Kachhawa, Associate Editor of reputed journal "Veterinary Practitioner".
- J.P. Kachhawa, Editor of booklet "राजस्थान में गायों और बैलों के प्रमुख संक्रामक रोग: कारण और निवारण" published by Apex centre for Animal Disease investigation, Monitoring and Surveillance, College of veterinary and Animal Science, RAJUVAS, Bikaner in 6<sup>th</sup> Convocation of RAJUVAS on 21 March 2023.

- J.P. Kachhawa, Editor of booklet "A Glimpse of Research on herbal Medicines for treatment of various Animal Diseases" published by Department of veterinary Medicine, College of veterinary and Animal Science, RAJUVAS, Bikaner in 6<sup>th</sup> Convocation of RAJUVAS on 21 March 2023.
  - Sita Ram Gupta, Associate Editor of reputed journal "Veterinary Practitioner".
  - Sita Ram Gupta, Editor of booklet "A Glimpse of Research on herbal Medicines for treatment of various Animal Diseases" published by Department of veterinary Medicine, College of veterinary and Animal Science, RAJUVAS, Bikaner in 6<sup>th</sup> Convocation of RAJUVAS on 21 March 2023.
  - J.P. Kachhawa editor of Training Manual prepared for Five days Entrepreneurial Skill Strengthening training on "Nucleic Acid and Protein Based Techniques for the detection of Pathogens" from 21-25 June, 2022 at Apex Centre for Animal Disease Investigation, Monitoring and Surveillance, CVAS, Bikaner sponsored by ICAR, New Delhi in collaboration with Directorate of Human Resource Development, RAJUVAS, Bikaner.
  - P. Bishnoi, S.K. Jhirwal, Sakar Palecha, A.K. Bishnoi, Mahendra Tanwar, Kapil Kachhawa, Narendra Singh and Ruchi Patwa: Manuals of IV<sup>th</sup> Professional year B.V.Sc. & A.H: Veterinary Surgery & Radiology Part-I and Veterinary Surgery & Radiology Part II.
  - Rohit Kumar Sharma and Anil Kumar Bishnoi: Basics of long bone fracture fixation techniques in dogs. Inspire Mind Publication.
  - Amita Ranjan delivered a Radio talk: 'Title: Untaribat-an- Barsat Kc Mausam Mein Unti Ki Dekhbhal' on Sep 8, 2022.
  - Radio talk delivered by Prof. Bassant Bais on 20 October 2022 entitled वर्तमान परिपेक्ष में पशुपालन व्यवसाय में महिलाओं की भूमिका
  - Praveen Kumar Pilonia delivered a Lecture on "Laboratory diagnostic protocols and procedure for diagnosis of parasitic diseases of livestock" and incorporated in compendium for ASCAD training programme.
  - Two training e- manual was prepared on Hands-on Orthopaedic Training on Use of Pinning and Plating Techniques in Small Animal (Pets) Fracture Management by faculty of Veterinary surgery and Radiology
  - Training e- manual was prepared on Add-On Certificate Course on "Pet Animal Dentistry"
- Book/Booklets/Book chapter/Folder/Leaflet/Bulletin/popular article/training manual/any other publication: CVAS, Navana**
- Balwant Meshram, Hemant Joshi, Dinesh Manohar Rao Chavhan and Gajendra Singh, Comprehensive



- Veterinary Anatomy, 260, International Books and Periodicals Supply Service, Delhi, 978-93-94023-43-7, 2022.
- Kamal Purohit, Chapter- KHEJRI (*Prosopis cineraria*) A Desert Tree of Rajasthan Book - Herbal Plants : Medicinal and Nutritional Aspects. Edition - 1<sup>st</sup> Kripa Drishti, Pune. ISBN NO- 978-93-94570-74-0: 100-105.
  - Sudeep Solanki, Kamal Purohit and Durga Devi Chapter- Medicinal Efficacy of Aloe Vera (*Aloe barbadensis* Mill.). Medicinal and Nutritional Aspects, Edition - 1<sup>st</sup> Kripa Drishti, Pune. ISBN NO- 978-93-94570-74-0: 90-98.
  - Kamal Purohit, Gunjan, Goverdhan Singh, Mamta Kumari, Anita Rathore, Sudeep Solanki, Hakim Manzar Alam and Rajeev Kumar Joshi. Chapter - Molecular Techniques in Diagnosis of Animal Disease. Book- The One Health Approach. Jian Printers Udaipur, ISBN NO- 979-84-468716-4-3: 110-113.
  - Anita Rathore, Kamal Purohit, Goverdhan Singh, Mamta Kumari and Sanjna Meena. Chapter - Adverse effect of Parthenium hysterophorus L. On Livestock and Human Health. Book- The One Health Approach. Jian Printers Udaipur, ISBN NO- 979-84-468716-4-3: 114-121.
  - M. Kumari, S. Chandar, S. Morwal, K. Purohit, G. Singh, R.K. Joshi. Chapter - Ayurveda in Veterinary: An alternative approach for livestock health. Book- The One Health Approach. Jian Printers Udaipur, ISBN NO- 979-84-468716-4-3: 157-165.
  - Hakim Manzar Alam, Sudeep Solanki, Kamal Purohit, M.S. Meel, R.K. Joshi and Lokesh Gautam. Chapter - Relevance of one Health Concept in Parasitism. Book- The One Health Approach. Jian Printers Udaipur, ISBN NO- 979-84-468716-4-3: 208-217
  - Hakim Manzar Alam, Sudeep Solanki, Sandhya Morwal, M.S. Meel, Lokesh Gautam and Kamal Purohit. Chapter-Importance of One Health Approach In Combating Zoonoses: Indian Scenario. Book- The One Health Approach. Page no 218-224. Jian Printers Udaipur, ISBN NO- 979-84-468716-4-3
  - Rajesh Singhania and Deepak Kumar Sharma (2022). Brucellosis. PP. 197-203. In concise text book of laboratory and wild animals (Biology and diseases) ISBN no 978-93-91063-24-5
  - Virendra Singh, Rajesh Singhania and Rewani, S.K. (Oct-Dec. 2022). Management strategies for increasing milk production in Dairy cattle. Intensive Agriculture. PP.30-31
  - B.S. Saini, Sunil Arora and Vikash Kumar Sharma prepared the manuals of 1<sup>st</sup> BVSc & AH and 1<sup>st</sup> AHDP.
  - Sunil Arora prepared training manual for training of LSA on "Hands on training on laboratory diagnostic techniques" under ASCAD, organized by RIDD, Udaipur.
  - Book chapter: Detection of Food-Borne Pathogens and Adulterants by PCR: Abhishek Gaurav, Kritika Gahlot and Vachaspati Narayan. High End Workshop on Recent Advances in Diagnosis and Management of Zoonotic Diseases (ICAR) April 2022
  - Book chapter: Application of Bio-Informatics in Animal Disease Surveillance. Dr. Vachaspati Narayan, Dr. Mahendermiland, Dr. Kritika Gahlot, Dr. Sudeep Solanki. Recent advances in animal disease diagnosis March 2023
  - Lokesh Gautam (2022): An Introductory approach to phylogeny in "The one health approach" published by CVAS, Navania, Vallabhagar, Udaipur.
  - Lokesh Gautam and Hina ashraf Waiz: Management of cold stress in poultry, November 15, 2022, Pashu dhan Prahari.
  - Hina Ashraf Waiz and Lokesh Gautam: Management of Stereotypic behaviour in horses: A welfare concern". 04 December, 2022, Pashu dhan Praharee.
  - Hina Ashraf Waiz and Lokesh Gautam: Livelihood through Backyard poultry farming 06 December, 2022, Pashu dhan Praharee.
  - Lokesh Gautam and Hina Ashraf Waiz: Gender role and employment opportunity through livestock based integrated farming system. 07 December, 2022 Pashu dhan Praharee.
  - Application of PCR based tests for the detection of food adulteration Abhishek Gaurav, Kritika Gahlot and Vachaspati Narayan Recent Advances in Diagnosis and Management of Zoonotic Diseases, ICAR-National Research Centre on Camel, Bikaner, Rajasthan, India, April, 2022.
  - M. Kumari, S. Chandar, S. Morwal, K. Purohit, G. Singh, R.K. Joshi. 2022. Ayurveda in Veterinary: An alternative approach for livestock health. In: The One Health Approach. India.
  - Nutritional Management of Livestock in Disaster Manju, R.K. Khinchi, Sheela Chaudhary, Monika Karnani and Sarjna Meena The One Health approach Dr sudeep solanki CVAS, Navania, Vallabhagar, Udaipur April, 2022.
  - Photobiotic Feed Additives. Monika Joshi, S.K. Sharma. Herbal Plants: Medicinal And Nutritional Aspects . Publisher kripa-Drishti Publication, Puna Maharashtra, India Pp 82-86, 2023.
  - Azolla Feeding in Livestock and Poultry Monika Joshi, S.K. Sharma. Herbal Plants: Medicinal And Nutritional Aspects. Publisher kripa-Drishti Publication, Puna Maharashtra, India Pp 107-110.
  - M.S. Meel, Ajwain: nutritional importance Herbal Plants: Medicinal and Nutritional Aspects Kripa-Drishti Publications A/ 503, Poorva Height, SNO



148/1A/1/1A, Sus Road, Pashan- 411021, Pune, Maharashtra, India. 978-93-94570-74-0 2022.

- M.S. Meel, *Moringaoleiferaleafmeal*: Nutritive value and its medicinal use in birds Herbal Plants: Medicinal and Nutritional Aspects Kripa-Drishti Publications A/ 503, Poorva Height, SNO 148/1A/1/1A, Sus Road, Pashan, Pune. 978-93-94570-74-0 2022.
- K.A. Shende and M. S. Meel, *Tulsi (Ocimum sanctum) Leaf Powder: As a Feed Additive for Broiler Production Herbal Plants: Medicinal and Nutritional Aspects Kripa-Drishti Publications A/ 503, Poorva Height, SNO 148/1A/1/1A, Sus Road, Pashan-Pune, Maharashtra, India. 978-93-94570-74-0 2022.*
- Sanweer Khatoon, Naresh Kumar and Jitendra Kumar, *Ocular Parasitic Infections in Special Reference to Zoonotic Importance-ISBN No. 979-84-468716-4-3 published 01.04.2022.*
- Afroz Jahan, Sanweer Khatoon and G.S. Rao, *Phytobiotics: An alternative to combat antimicrobial resistance- ISBN No. 979-84-468716-4-3 published 01.04.2022.*
- Herbal Plants: Medicinal and Nutritional Aspects ISBN: 978-93-94570-74-0, Published: Nov 2022 (1<sup>st</sup> Edition)
- Anuj Kumar Dixit, Jitendra Kumar and Hakim Manzer, *Therapeutic Properties of Calotropis gigantea.*
- Anuj Kumar Dixit, Jitendra Kumar and Hakim Manzer, *Therapeutic Properties of Durastramonium.*
- *"Parasites of Urogenital Tract of Dogs and Cats"* Title of Book: Organ-specific parasitic diseases of dogs and cats" in Elsevier:
- Jitendra Kumar, Anuj Kumar Dixit, Hakim Manzer and Vikram Punia, *Molluscicide applications for the Chemical Control of Snails.*
- Sudeep Solanki, *The One Health Approach 2022 - Volume / Issue/ ISBN No. 979-84-468716-4-3.*
- Lokesh Gautam and Hina ashraf Waiz: *Management of cold stress in poultry, November 15, 2022, Pashu dhan Prahri.*
- Hina Ashraf Waiz and Lokesh Gautam: *Management of Stereotypic behaviour in horses: A welfare concern". 04 December, 2022, Pashu dhan Prahree.*
- Hina Ashraf Waiz and Lokesh Gautam: *Livelihood through Backyard poultry farming 06 December, 2022, Pashu dhan Prahree.*
- Lokesh Gautam and Hina Ashraf Waiz: *Gender role and employment opportunity through livestock based integrated farming system. 07 December, 2022 Pashu dhan Prahree.*

**Book/Booklets/Book chapter/Folder/Leaflet/Bulletin/popular article/training manual/any other publication: PGIVER, Jaipur Books**

- Miscellaneous Histological Techniques (2022)

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### Book Chapter

- Samita Saini contributed a book chapter on "Speeding-up the rate of genetic gain through integrated genomics and breeding pipelines in Animal husbandry"
- Sandeep Kumar Sharma Published Chapter entitled "Bioinformatics: Advance tool for Animal Disease diagnosis"
- Manju, R.K. Khinchi, Sheela Choudhary, Monika Karnani and Sarjana Meena, Book chapter on "Nutritional management of livestock in disaster" in "The one health approach, 2022".
- R.K. Khinchi, Manju, S.K. Sharma and Abhishek Gaurav, Book chapter on "First aid management of farm and pet animals in medical emergency conditions" in "The one health approach, 2022".
- Sharma, P., Mahajan, C., Gupta, A. and Tomar, M.P.S. (2022). Endotoxin biosynthesis: Genetics and Biochemistry of the process in Endotoxin and their importance. Nova Science Publishers, New York, USA p. 120.

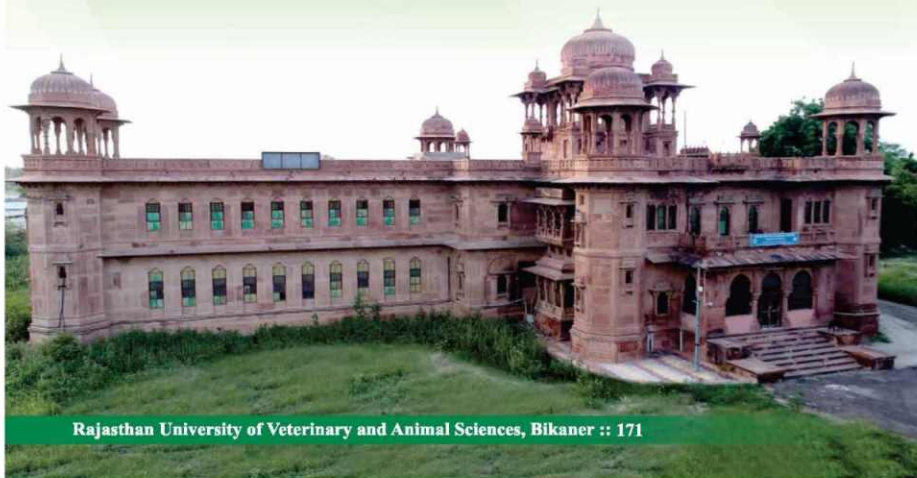
### (III) Popular Article:

- Sarswat, C.S. (2022). "विश्व पशुचिकित्सा दिवस पर विशेष पढ़े यह खार" <https://www.patrika.com/bikaner-news/world-veterinary-day-7499840/> on 30th April, 2022.
- Mali, M.M. (2022). Is Tarah Yatra Me Rakhen Apne Paltu Ka Dhyan. Published in Daily News Paper: Rajasthan Patrika on 25/05/2022.
- Mali, M.M. (2022). Vaarish Me Paltu Ko Allergy Ki Ashanka, Sooka Rakhe Shelter. Published in Daily News Paper: Rajasthan Patrika on 22/06/2022.
- Gaur, K., Choudhary, S., Karnani, M. and Manju (2022). Critical vitamins for ruminants. *The Science World*, April 2022.
- Tanwar, R., Choudhary, S., Karnani, M. and Manju (2022). Quality and Safety of Animal Feeds. *PashudhanPrahree*, 25 June 2022.
- Singh, K., Panwar, A., Meena, D.S. and Chouhan, A.K. (2022). Occupational zoonoses: As public health problem. *The Science World*, 2(7): 889-892.
- Singh, K., Chouhan, A.K., Panwar, A. and Parihar, H.R. (2022). Photosensitization in domestic animals. *The Science World*, 2(7): 893-898.
- Parihar, H.R., Singh, K. and Meena, D.S. (2022). Lumpy Skin Disease (LSD). *The Science World*, 2(7): 1039-1042.
- Sodha, D.B., Pilania, P.K. and Chouhan, A.K. (2022). Important Methods of Ticks control. *Trends in Agriculture Science*, 1(5): 168-175.
- Meena, D.S., Chouhan, A.K., Singh, K., Mohammed, N. and Joshi, M. (2022). Fungal and





- Protozoal Zoonotic Diseases in Poultry. *Trends in Agriculture Science*, 1(5): 184-189.
- Meena, D.S., Singh, K., Chouhan, A.K., Mohammed, N. and Agrawal, G. (2022). ZIKA VIRUS: An Emerging Zoonotic Disease. *The Science World*, 2(7): 956-960.
  - Mohammed, N., Meena, D.S. and Singh, K. (2022). Nipah Virus: Another Threat from the World of Zoonotic Disease. *The Science World*, 2(7): 1009-1013.
  - Meena, D.S., Singh, K., Chouhan, A.K., Mohammed, N. and Joshi, M. (2022). Bacterial and Viral Zoonotic Diseases in Birds. *Trends in Agriculture Science*, 1(5): 176-183.
  - Gaur, K., Karnani, M. and Choudhary, S. (2022). Solid Substrate Fermentation (SSF): An Advancement in Feed Technology. *The Science World*, July 2022.
  - Choudhary, A. and Singh, R. (2022). Parasitic Vaccines. *The Science World*, 2(6): 614-615.
  - Gurjar, V.S., Singh, R. and Meena, Y.K. (2022). Monkey Pox-A Zoonotic Disease. *Pashu dhan Praharee*, August 20.
  - Mali, M.M. (2022). Pet men Periods varsh men Do Baar, Iese Kare Care. Published in Daily News Paper: Rajasthan Patrika on 17/08/2022.
  - Singh, K. and Sharma, P. (2022). Hendra virus: A New Era of Equine Zoonoses. *The Science World*, 2(7): 1034-1038.
  - Gurjar, V.S. and Singh, R. (2022). Lumpy Skin Disease (LSD). *The Science World*, 2(8): 1425-1429.
  - Mali, M.M. (2022). Pathako Ki Awaj Se Darta Hai Paltu, Ye Baaten Rakhe Dhyan. Published in Daily News Paper: Rajasthan Patrika on 19/10/2022.
  - Gurjar, V.S., Singh, R. and Sewag, A. (2022). Canine obesity-Risk factors and diagnosis. *Pashu dhan Praharee*, December 4.
  - Choudhary, A. and Singh, R. (2022). Ehrlichiosis and Anaplasmosis in dogs. *The Science World*, 2(7): 845-846.
  - Kain, A., Panwar, A., Parihar, H.R. and Singh, K. (2022). Benefits of nano-particles supplementation in feed of livestock and poultry. *Trends in Agriculture Science*, 1(5): 123-128.
  - Kain, A., Panwar, A., Parihar, H.R. and Singh, K. (2022). Therapeutic and Supportive uses of Vitamin C Supplementation in Poultry. *Trends in Agriculture Science*, 1(5): 129-134.
  - Kain, A., Parihar, H.R., Panwar, A. and Singh, K. (2022). Insect Growth Regulators and Their Use in Animal Husbandry. *Trends in Agriculture Science*, 1(5): 165-167.
  - Meena S.C., Shekhawat S.S., Soni M. and Saxena N. (2023). Scrub Typhus an emerging threat. *The Science World*, 3(2): 216-219.
  - Meena, S.C., Shekhawat S.S. and Saxena N. (2023). Tomato Flu and its Prevention and Control. *The Science World*, 3(2): 118-121.
  - Singh, R., Yadav, P. and Chaudhary, A. (2023). Campylobacteriosis. *The Science World*, 3(2): 225-228.
  - Verma, R., Karnani, M. and Sharma, A. (2023). Nutritional management of Rat and Mice. *Pashudhan Praharee* on 17.02.2023.





## Seminar/Symposia/Conference/workshop/Trainings Attended

### I. CVAS, Bikaner

S. No.	Name of the Faculty Member	Title of the event	Date
<b>A. International Level</b>			
1.	Dr Shesh Asopa	International conference on "Advances in agricultural, veterinary and allied sciences for improving livelihood and environmental security" organized by ICAR and NADCL, J& K., India.	28-30 September, 2022
2.	Dr. Manisha Mehra	International Symposium on "Global challenges in rapid diagnosis and management of animal and poultry diseases for improved health and productivity" held at Department of Veterinary Pathology, College of Veterinary and Animal Science Rajendra Nagar, PVNRTVU, Hyderabad, Telangana.	17-20 November, 2022
3.	Dr. Manisha Mehra	International webinar on "Advancement in veterinary and animal science" organized by Sri Venkateswara Veterinary University N.T.R. College of Veterinary Science Gannavaram, Andhra Pradesh.	14-15 March, 2023
4.	Dr. Ashok Dangi Dr. Pankaj Kumar Thanvi	International Symposium on "Advancements in anatomical studies: The stepping stone in transforming livestock and wildlife sector while achieving the global sustainable development" at CVAS, Navania, Udaipur.	20-22 December, 2022
<b>B. National Level</b>			
1.	Dr. Rajesh Nehra Dr. Dinesh Jain Dr. Ruchi Mann Dr. Pramod Kumar Dr. Taruna Bhati	22 <sup>nd</sup> Indian Veterinary Congress & XXIX Annual Conference of IAAVR & National Symposium organized by Department of Microbiology, CVAS, Navania, Vallabh Nagar, RAJUVAS, Bikaner	8-9 April, 2022
2.	Dr. R.K. Dhuria Dr. J.P. Kachhawa Dr. Sita Ram Gupta	2 <sup>nd</sup> Annual Convention of Veterinary Internal and Preventive Medicine and National Symposium on "Innovations in veterinary medicine: present status and futuristic implications" organized by College of Veterinary Science and A.H., Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.).	6-7 May, 2022
3.	Dr Devi Singh Rajput	4 <sup>th</sup> National Conference of Society for Veterinary and Animal Husbandry Extension (SVAHE-IV) organizing at College of Veterinary and Animal Sciences, Himachal Pradesh Agricultural University, Palampur, Kangra (H.P).	6-8 May, 2022
4.	Dr. R.K. Dhuria	XII Biennial National KVK Conference 2022 on "Sustainable agricultural production system" organized by Dr. Yaswant Singh Parmar University of Horticulture and Forestry at Nauni, Solan (HP).	1-2 June, 2022
5.	Dr. R.K. Dhuria Dr. Deepika Goklaney	V <sup>th</sup> Annual Convention and National Conference of National Academy of Veterinary Nutrition and Animal Welfare on "Coordinated nutrition, health and extension approach for sustainable livestock production organized" by College of Veterinary Science and Animal Husbandry, Jabalpur.	21-22 September, 2022
6.	Dr. Rajesh Nehra Dr. J.P. Kachhawa	XVIII Annual Convention of Indian Society for Advancement of Canine Practice organized by Department of Medicine, CVAS, Navania, Vallabh Nagar, RAJUVAS, Bikaner.	22-24 September, 2022
7.	Dr. Amita Ranjan	1 <sup>st</sup> National Conference of Association of Mastitis on the theme "Implications of Mastitis" held at DUVASU, Mathura (U.P).	19-20 October, 2022
8.	Dr. Amit Kumar Pandey Dr. Manju Nehra Dr. Pramod Kumar Dr. Ashok Kumar Dr. Amit Kumar	ISSGPU conference on "Prospect and potential of small ruminants" production for enhancing income under changing scenario" to be organized at ICAR-CSWRI, Avikanagar.	10-12 November, 2023
9.	Dr. Rajesh Nehra Dr. Rahul Singh Pal	XIX Biennial International Conference of Animal Nutrition Society of India, (ANSICON-2022) organized by Department of Animal Nutrition, GADVASU, Ludhiana	16-18 November, 2022



S. No.	Name of the Faculty Member	Title of the event	Date
10.	Dr Sandeep Dholpuria Dr Amit Kumar	XXXVII <sup>th</sup> National Symposium of The Indian Society for Study of Animal Reproduction on "Optimizing animal reproduction through recent techniques of biotechnology, nutraceuticals and alternative medicine" held at College of Veterinary Science & A.H., NDVSU, Jabalpur - 482001, M.P., India.	16-18 November, 2022
11.	Dr. Narendra Singh Rathore	6 <sup>th</sup> national symposium and annual convention by SVBBI on "Innovative approach and strategies for animal biochemistry and biotechnology towards holistic development in animal health and productivity" at NDVSU-Jabalpur.	5-6 January, 2023
12.	Dr. Praveen Bishnoi Dr. S.K. Jhirwal Dr. Sakar Palecha Dr. Anil Bishnoi Dr. Mahendra Tamwar Dr. Narendra Singh Dr. Ruchi Patwa	45 <sup>th</sup> Annual Congress of Indian Society for Veterinary Surgery and National Symposium on "Computer applications to improve surgical outcomes in pets and livestock: opportunities and challenges" Nagpur Veterinary College, MAFSU, Nagpur.	11-13 January, 2023
13.	Dr. R.K. Dhuria Dr. Rajesh Nehra Dr. Deepika Goklancy Dr. Rahul Singh Pal	XII Biennial Conference of Animal Nutrition Association (ANACON-2023) on "New horizons of animal nutrition research: combating the challenges of productivity, health and welfare of animals" organized by College of Veterinary Sciences and Animal Husbandry, DUVASU, Mathura (UP)	16-18 February, 2023
<b>C. Trainings/workshop</b>			
1.	Dr. Rajni Arora	A six week online course on "Management and production disorder of cattle" organized by Agmoocs, IIT Kanpur	31 May to 25 July, 2022
2.	Dr. R.K. Dhuria	Annual zonal review workshop of KVKs of Rajasthan, Haryana and Delhi organized by ICAR- Agricultural Technology Application Research Institute, Zone-II, Jodhpur and Maharana Pratap University of Agriculture & Technology, Udaipur at DEE, Udaipur.	25-27 June, 2022
3.	Dr Ruchi Maan	e-Training cum orientation programme on "Technology advancement and integration in improving animal health, production and reproduction vis-à-vis climate change" organized by Department of Veterinary Physiology and Biochemistry, College of Veterinary Science and Animal Husbandry, Mhow (M.P.), India from July.	05-25 July, 2022
4.	Dr. Rajesh Nehra Dr. Dinesh Jain Dr. Tara Bothra	21 days summer school on "Recent trends in sustainable livestock and crop production technologies vis-a-vis climate change" jointly organized by ICAR-IGFRI, RRS, Srinagar, BASU, Patna and NACDL, Baramulla, UT of J&K.	18-8 July, 2022
5.	Dr. Laxmi Narayan Sankhala	30 days Massive Open Online Course (MOOC) on "Digital assessment and evaluation methodologies" organized by ICAR-National Academy of Agricultural Research Management (NAARM).	1-30 September, 2022
6.	Dr. Laxmi Narayan Sankhala	Four week certificate course on "Enhancing livestock production and food safety through one health approach" held virtually organized under ICAR-NAHEP-CAAST Project entitled "Centre of excellence for advanced research on animal food safety" by Mumbai Veterinary College, Parel, Mumbai-400012, Maharashtra Animal & Fishery Sciences University, Nagpur (M.S.), India.	20-18 October, 2022
7.	Dr. Laxmi Narayan Sankhala	Collaborative Online Training Program On "Technological Intervention for Improving Productivity and Profitability in Buffalo Husbandry" organized by ICAR-Central Institute for Research on Buffaloes, Hisar & MANAGE, Hyderabad.	18-20 October, 2022
8.	Dr. Amit Kumar Pandey	Training on "Advancement in animal cloning and gene editing technology for desire and faster multiplication of superior germplasm" at CIRB- Hisar.	5-14 December, 2022
9.	Dr. Amit Kumar Pandey	CAFT training program on "Stem cell therapeutics in livestock and pets" at ICAR-IVRI, Bareilly.	10-30 January, 2023
10.	Dr Devi Singh Rajput	Workshop on "Development of soft skill for entrepreneurship among agriculture graduates" at NAARM, Hyderabad.	23-24 January, 2023

S. No.	Name of the Faculty Member	Title of the event	Date
11.	Dr. Garima Choudhary	2023- National Workshop on “Lumpy skin disease in India: current scenario and future challenges” organized by ICAR- NIVEDI, New Delhi, India.	27 January, 2023
12.	Dr. Narendra Singh Rathore Dr Shesh Asopa	ICAR-CAFT course on “Combating AMR in livestock and poultry: Recent advances in surveillance, diagnostics and therapeutics” at LUVAS-Hisar.	1-21 February, 2023
13.	Dr. Manju Nehra	National workshop on “Immunology and its application” at ICAR-NRCC, Bikaner.	16-17 February, 2023
14.	Dr. Manju Nehra	CAFT training on “Computational biology and its application in agriculture” from organized by ICAR-IASRI, New Delhi.	21-2 March, 2023
15	Dr. Ashok Dangi	Two days state level awareness workshop for the state of Rajasthan at Jaipur on “e-Governance Standards & Guidelines” being conducted by C-DAC (Center for Development of Advanced Computing) and Standardization Testing and Quality Certification (STQC) Directorate under the aegis of Ministry of Electronics & Information Technology (MeitY), Government of India (GoI)	3-4 March, 2023

## 2. CVAS, Navania

S. No.	Name of the faculty member	Title of the event	Date
<b>A. International Level</b>			
1.	Dr. Kamal Purohit	International Veterinary Pathology Congress-2022 and International conference on “Global challenges in rapid diagnosis and management of animal and poultry diseases for improved health and productivity”.	17-19 November, 2022
2.	Dr. Abhishek Gaurav	International Conference on “Blended learning ecosystem for higher education in agriculture – ICBLE 2023” hosted by ICAR and World Bank at NASC Complex, New Delhi.	21-23 March, 2023
<b>B. National Level</b>			
1.	Dr. Rajeev Kumar Joshi Dr. R.K. Nagda, Dr. Dinesh Manoharrao Chavhan, Dr. Arun Kumar, Dr. Ramesh Chand Jat, Dr. Kamal Purohit, Dr. Rajesh Singathia, Dr. Deepak Kumar Sharma, Dr. B.S. Saini, Dr. Sunil Arora, Dr. Vikash Kumar Sharma, Dr. M.L. Gurjar, Dr. Abhishek Gaurav, Dr. Mamta Kumari, Dr. R.K. Khinchi, Dr. Monika Joshi, Dr. M.S. Meel, Dr. S.K. Sharma, Dr. Sanweer Khatoon, Dr. Hakim Manzer Alam, Dr. Jitendra Kumar, Dr. Sudeep Solanki, Dr. Mitesh Gaur	22 <sup>nd</sup> Indian Veterinary Congress and XXIX Annual Conference of IAAVR and National symposium on “Advancements in veterinary medical research contributing to “one health” for betterment of animal and public health and their welfare” organized by Dept. of Veterinary Microbiology, CVAS, Navania, Vallabh Nagar, Udaipur.	8-9 April, 2022



S. No.	Name of the faculty member	Title of the event	Date
2.	Dr. Rajeev Kumar Joshi Dr. Dinesh Manoharrao Chavhan, Dr. Kamal Purohit, Dr. Rajesh Singathia, Dr. Deepak Kumar Sharma, Dr. B.S. Saini, Dr. Sunil Arora, Dr. M.L.Gurjar, Dr. Abhishek Gaurav, Dr. Mamta Kumari, Dr. R.K. Khinchi, Dr. Monika Joshi, Dr. M.S. Meel, Dr. Sanweer Khatoon, Dr. Hakim Manzer Alam	National Congress on Canine Practice & Symposium on "Newer concepts and approaches in small animal practice and welfare" and XVIII <sup>th</sup> Annual Convention of Indian Society for Advancement of Canine Practice organized by Dept. of Veterinary Medicine, CVAS, Navania, Vallabhagar, Udaipur.	22-24 September, 2022
3.	Dr. Mamta Kumari	National Symposium on Native Chicken "Relevance of climate smart traditional farming systems in the era of omics" organized by Directorate of centre for animal production studies, Chennai and Indian poultry science association- Tamil Nadu Chapter at Tanuvus, Chennai.	22-23 September, 2022
4.	Dr. R.K. Nagda	National seminar cum Annual conference of Indian Society of Sheep and Goat Production and Utilization (ISSGPU) on "Prospectus and potential of small ruminant production for enhancing income under changing scenarios" organized by ICAR-CSWRI, Avikanagar.	10-12 November, 2022
5.	Dr. Monika Joshi Dr. M.S. Meel Dr. S.K. Sharma	19 <sup>th</sup> Biennial International Conference of Animal Nutrition Society of India on "Nutritional technologies to augment livestock poultry, canine and fish production for global competitiveness" Organized by Department of Animal Nutrition, CVAS, (GADVASU), Ludhiana.	16-18 November, 2022
6.	Dr. Mamta Kumari	National Symposium on "Global challenges in rapid diagnosis and management of animal and poultry diseases for improved health and productivity" International Veterinary Pathology Congress. P.V. Narsimha Rao Telangana Veterinary University, Hyderabad.	17-19 November, 2022
7.	Dr. Sanweer Khatoon	XXXI National Congress of Veterinary Parasitology and National symposium on "Green management of animal parasites to enhance livestock production, livelihood and one health" at Bhubaneswar, Odisha.	06-08 December, 2022
8.	Dr. Rajeev Kumar Joshi Dr. R.K. Nagda, Dr. Dinesh Manoharrao Chavhan, Dr. Ramesh Chand Jat, Dr. Kamal Purohit, Dr. Rajesh Singathia, Dr. Sunil Arora, Dr. M.L.Gurjar Dr. Abhishek Gaurav, Dr. Monika Joshi, Dr. Sanweer Khatoon, Dr. Hakim Manzer Alam, Dr. Jitendra Kumar, Dr. Mitesh Gaur	36 <sup>th</sup> Annual Convention of IAVA and International Symposium on "Advancements in anatomical studies: the stepping stone in transforming livestock and wildlife sector while achieving the global sustainable development" organized by Dept. of Veterinary Anatomy & Histology, CVAS, Navania, Vallabhagar, Udaipur.	20-22 December, 2022
9.	Dr. Sunil Arora	SVBBI-2022 on National Symposium, Jabalpur, M.P.	5-6 January, 2023
10.	Dr. Rajesh Singathia	23 <sup>rd</sup> Indian Veterinary Congress & 30 <sup>th</sup> Annual Conference of IAAVR & National Symposium on "Advances in tackling antimicrobial resistance and ensuring food safety under one health perspective" organized by department of Veterinary Public Health and Epidemiology, College of Veterinary and Animal Science and Animal Husbandry, Kamdhenu University Anand, Gujarat .	3-4 February, 2023



S. No.	Name of the faculty member	Title of the event	Date
11.	Dr. M.S. Meel	XII Biennial Conference on "New horizons of animal nutrition research: combating the challenges of productivity, health and welfare of animals" organized by Department of Animal Nutrition, DUVASU, Mathura & Animal Nutrition Association, ICAR-Indian Veterinary Research Institute, Izatnagar (UP)	16-18 February, 2023
12.	Dr. Monika Joshi Dr. S.K. Sharma	39 <sup>th</sup> Annual Convention of Indian Society for Veterinary Medicine (ISVM) and National Conference on "Advancements in research and innovations in mitigation of diseases of livestock, companion, wild animals and poultry" Organized by Department of Veterinary Medicine at GB Pant University of Agriculture & Technology, Pant Nagar.	22-24 February, 2023
<b>C. Trainings/workshop</b>			
1.	Dr. Abhishek Gaurav	SERB sponsored workshop on "Recent advances in diagnosis and management of zoonotic diseases" organized by ICAR-NRC Camel, Bikaner.	19-25 April, 2022
2.	Dr. M.S. Meel	6 week ag MOOCs online course on "Management of metabolic and production disorders in cattle" conducted by Centre for Development of Technical Education, IIT Kanpur and Commonwealth of Learning (COL), Canada.	31 May – 11 July, 2022
3.	Dr. Mamta Kumari	International e-Training cum Orientation Programme on "Technology advancement and integration in improving animal health, production and reproduction vis-à-vis climate change" organized by Department of Veterinary Physiology and Biochemistry, College of Veterinary Science and Animal Husbandry, Mhow (M.P.), India.	5-25 July, 2022
4.	Vachaspati Narayan	Online Collaborative Training Program by MANAGE and ICAR-Indian Grassland and Fodder Research Institute (ICAR-IGFRI) "Fodder technology innovations for sustainable livestock production".	1-5 August, 2022
5.	Dr. M.S. Meel	21 days winter school training programme on "Advances in nutrition and gut ecology for improving livestock productivity" organized by Division of Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, U.P.	22-12 December, 2022
6.	Dr. Mamta Kumari	ICAR sponsored winter school training programme on "Recent molecular approaches in diagnosis of livestock and poultry diseases", Sri Venkateswara Veterinary University, Tirupati.	2-22 December, 2022
7.	Dr. Deepak Kumar Sharma	21 days winter school entitled "Advances in proteomics and molecular based animal disease diagnostics" organized by Department of Veterinary Microbiology College of Veterinary and Animal sciences Udgir Maharashtra.	9-29 December, 2022
8.	Dr. Arun Kumar	Workshop on "Scope and potential of startups in livestock sectors" organized by Department of Livestock Products Technology, College of Veterinary Science and Animal Husbandry, DUVASU, Mathura (UP).	20-21 December, 2022
9.	Dr. Sunil Arora	21 days CAFT short course on "Stem cell therapeutics in livestock and pets" at Division of Veterinary Physiology, IVRI, Izatnagar- 243122 (U.P.)	10-30 January, 2023
10.	Dr. Kamal Purohit	21 Days Winter School on "Recent advances in knowledge of structural dynamics and their applications to improve animal health, production and reproduction" going to be organized by Department of Anatomy, College of Veterinary Science and A.H., DUVASU, Mathura.	10-30 January, 2023
11.	Dr. Abhishek Gaurav	21 days Winter School on "Antimicrobial peptides (AMPs) as an alternative to antibiotics: Hands on training for designing, chemical synthesis, characterization and applications of synthetic AMPs at IVRI, Izatnagar, Bareilly (U.P.).	24-13 February, 2023
12.	Dr. Vachaspati Narayan	"Genome editing in farm animals for improved productivity and health" organized by Animal Biotechnology Division ICAR - National Dairy Research Institute, Karnal (online workshop).	3 March, 2023
13.	Dr. Deepak Kumar Sharma, Dr. B.S. Saini Dr. Lokesh Gautam	"Multivariate data analysis training" sponsored by NAHEP and organized by NAARM, Hyderabad.	20-27, March 2023



## 3. PGIVER, Jaipur

S. No.	Name of the Faculty Member	Title of the event	Date
<b>A. International Level</b>			
1.	Dr. Sheela Choudhary	International webinar on "Impact of climate change and heat stress on dairy cattle and mitigation strategies" organized by Animal Physiology Division of ICAR-NDRI, Karnal.	June, 2022
2.	Dr. Rohitash Dadhich	International Veterinary Pathology Conference held at CoVSc., PVNRTU, Rajendra Nagar, Hyderabad.	17-20 November, 2022
3.	Dr. Sarjna Meena	International Symposium on "Advancements in anatomical studies: the stepping stone in transforming livestock and wildlife sector while achieving the global sustainable development" at CVAS, Navania, Udaipur.	20-22 December, 2022
4.	Dr. S.K. Rewani	International Conference on "Blending learning ecosystem for higher education in agriculture" organized by Indian Council of Agricultural Research at NASC Complex, New Delhi.	21-23 March, 2023
<b>B. National Level</b>			
1.	Dr. Barkha Gupta Dr. M.C. Parashar Dr. Rashmi Singh Dr. Monika Karnani Dr. Manju	22 <sup>nd</sup> Indian Veterinary Congress XXIX Annual Conference of IAAVR and National symposium on "Advancements in veterinary medical research contributing to "one health" for betterment of animal and public health and their welfare".	8-9 April, 2022
2.	Prof. Sanjita Sharma Dr. Navav Singh	National Livestock conference and 28 <sup>th</sup> Annual Convention of Indian Society of Animal Production and Management on "UTKARSHA eco-friendly technologies and innovations for sustainable livestock production systems to augment rural prosperity" organized by SVVU, Tirupati and ISAPM.	11-13 April, 2022
3.	Dr. Barkha Gupta Dr. Kartar Singh	Webinar on "Clinical perspective on ruminal acidosis" organized by continuing veterinary education- Alembic Pharmaceuticals Ltd. (An e-learning platform for Veterinarians)	28 April, 2022
4.	Dr. D.S. Meena Dr. Y.P. Singh Dr. M.M. Mali Dr. Nazeer Mohammed	2 <sup>nd</sup> Annual Convention of Veterinary Internal and Preventive Medicine Society and National Symposium on "Innovations in veterinary medicine, present status and futuristic implications" organized by Department of Veterinary Medicine, College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.).	6-7 May, 2022
5.	Dr. S.K. Rewani Dr. Ashok Baidha Dr. Subhash Chand	4 <sup>th</sup> National Conference of SVAHE on "Pluralistic approaches for livestock development- an extension call" held at Department of Veterinary and Animal Husbandry Extension Education, Dr. G.C. Negi College of Veterinary and Animal Sciences, CSK Himachal Pradesh Agricultural University, Palampur	6-8 May, 2022
6.	Dr. M.M. Mali	Webinar held on "Bovine mastitis- treatment and factors needed to restore the milk" organized by Rajasthan State Livestock Management and Training Institute (RSLMTI), Department of Animal Husbandry, Government of Rajasthan, Jaipur.	25 May, 2022
7.	Dr. Vikas Galav	"5 <sup>th</sup> Training Course for GLP Inspectors" organized by Department of Science and Technology, Government of India, New Delhi.	23-27 May, 2022.
8.	Dr. Sandeep Kumar Sharma Dr. Bincy Joseph	XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases and National Conference on "Current trends in immunodiagnostics and vaccinology for health of livestock & poultry" at LUVAS, Hissar.	27-28 May, 2022
9.	Dr. G.S. Gottam Dr. Rohitash Dadhich Dr. Manish Agrawal	XVIII Annual Convention of Indian Society for Advancement of Canine Practice & National Symposium on "Newer concepts and approaches in small animal practice and welfare" organized by College of Veterinary & Animal Science, Navania, Udaipur.	22-24 September, 2022
10.	Dr. Kartar Singh Dr. Hukma Ram Parihar	Webinar on "World Rabies Day- 2022" organized under ICARNAHEP CAAST Project entitled Centre of excellence for advanced research on animal food safety.	28 September, 2022
11.	Dr. D.S. Meena	3 <sup>rd</sup> Annual Convention of Veterinary Internal and Preventive Medicine Society (VIPM) and National Symposium on "Pragmatic approaches for animal health and welfare present perspective of climate change" held at CVAS&AH, Anand, Gujarat.	7-9 October, 2022
12.	Dr. Kartar Singh Dr. Hukma Ram Parihar	National Conference on Native Chicken "Relevance of climate smart traditional farming systems in the era of omics" held at Madras Veterinary College, Chennai.	22-23 September, 2022



S. No.	Name of the Faculty Member	Title of the event	Date
13.	Dr. Samita Saini Dr. Anurag Pandey Dr. Umesh S. Suradkar Dr. Rashmi Singh Dr. Sumit Prakash Yadav Dr. S.K. Rewani Dr. Ashok Baidha Dr. Bhavana Rathore	National Seminar cum Annual Conference of Indian Society for Sheep & Goat Production and Utilization (ISSGPU) on "Prospects and potential of small ruminants production for enhancing income under changing scenarios" at ICAR- Central Sheep and Wool Research Institute, Avikanagar.	10-12 November, 2022
14.	Dr. Prakash Chandra Sharma	National Conference on "Natural farming for sustainable agriculture and national prosperity" organized by SDAU, Sardarkushi Nagar, Dantewada.	11-13 November, 2022
15.	Dr. Sheela Choudhary Dr. Manju Dr. Monika Karnani Dr. Keshav Gaur	19 <sup>th</sup> Biennial International Conference of Animal Nutrition Society of India on "Nutritional technologies to augment livestock, poultry, canine and fish production for global competitiveness" at GADVASU, Ludhiana.	16-18 November, 2022
16.	Dr. Barkha Gupta	VI <sup>th</sup> Annual Convention of Society of Veterinary Biochemists and Biotechnologists of India and National Symposium on "Innovative approach and strategies for animal biochemistry and biotechnology towards holistic development in animal health and productivity" organized by College of Veterinary Science and Animal Husbandry, NDVUS, Jabalpur.	5-6 January, 2023
17.	Dr. Y.P. Singh	45 <sup>th</sup> Annual Congress of ISVS and National Symposium on "Computer application to improve surgical outcomes in pets and livestock: opportunities and challenges" held at Department of Surgery and Radiology, Nagpur Veterinary College, Nagpur.	11-13 January, 2023
18.	Dr. Navav Singh	National Livestock conference and 29 <sup>th</sup> Annual convention of Indian society of Animal Production and Management on "ABHYUDAYA futuristic approach to viable animal production vis-à-vis climate and calamity challenges" organized by OUAT, Bhubaneswar.	18-20 January, 2023
19.	Dr. Sheela Choudhary	XII Biennial ANA Conference on "New horizons of animal nutrition research: combating the challenges of productivity, health and welfare of animals" at DUVASU, Mathura, U.P.	16-18 February, 2023
20.	Dr. Neharika Saxena	23 <sup>rd</sup> Annual Indian Veterinary Congress & 30 <sup>th</sup> annual conference of IAAVR & National Symposium on "Advances in tackling antimicrobial resistance and ensuring food safety under one health perspective" at College of Veterinary Science and Animal Husbandry, Anand, Gujarat.	3-4 February, 2023
21.	Dr. Neharika Saxena	Online Keystone symposia conference on "Vector biology: emerging concepts and novel technologies, organized" at Beaver Run Resort.	13-16 February, 2023
<b>C. Trainings/workshop</b>			
1.	Dr. Barkha Gupta	"New initiatives by finance department" conducted by Public Financial Management and Training Institute, Finance Department, Govt. of Rajasthan	16-18 May, 2022
2.	Dr. Vikas Galav Dr. Manish Agrawal Dr. S.K. Rewani Dr. Ashok Baidha Dr. Subhash Chand Dr. Monika Karnani Dr. Manju	Six weeks online course (agMOOCs) on "Fluid therapy and management of clinical syndrome in cattle and small ruminants" organized by Directorate of Extension Education, Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Chennai in collaboration with Centre for Continuing Education, IIT Kanpur and Commonwealth of Learning, Canada.	
3.	Dr. Rashmi Singh	Training-cum-workshop on "Course management through MOCCs" at NAARM, Hyderabad.	06-10 June, 2022.
4.	Dr. Barkha Gupta Dr. Sumit Prakash Yadav	International e-Training Cum Orientation Program on "Technology advancement and integration in improving animal health, production and reproduction vis-à-vis climate change" organized by Department of Veterinary Physiology & Biochemistry, College of Veterinary Science & A.H., Mhow (M.P.).	5-25 July, 2022
5.	Dr. M.M. Mali	6-weeks on line agMOOCs Course training on "Management of metabolic and production disorders in cattle".	





S. No.	Name of the Faculty Member	Title of the event	Date
6.	Dr. Prakash Chandra Sharma	Workshop on "Sustainable farming in arid regions" jointly organized by ICAR-Central Arid Zone Research Institute, Jodhpur and Bhartiya Agro Economic Research Centre, New Delhi.	29-30 August, 2022
7.	Dr. Barkha Gupta Dr. Kartar Singh	Course on "Enhancing livestock production and food safety through one health approach" organized by ICAR-NAHEP and MAFSU, Nagpur, Maharashtra	20 Sept. - 18 Oct., 2022
8.	Dr. Rohitash Dadhich	Workshop on "Electron Microscopy" at Ruska Lab, Hyderabad.	20 Nov., 2022
9.	Dr. Kartar Singh	International Veterinary Workshop on "Globalization of veterinary ayurveda" conducted by Indian Veterinary Association in collaboration with WAF.	23-30 October 2022
10.	Dr. Samita Saini, Dr. Surendra Singh Shekhawat, Dr. Abhishek Gupta, Dr. Subhash Chand Meena, Dr. Kartar Singh, Dr. Shailja Bansal, Dr. Hukma Ram Parihar	Training on "Laboratory animal management and breeding" organized by Department of Animal Genetics and Breeding, College of Veterinary and Animal Sciences, MAFSU, Parbhani.	10-16 January, 2023
11.	Dr. Abhishek Gupta Dr. Shailja Bansal	Online training on "Statistical techniques for data analysis in research work" conducted by Department of Animal Genetics and Breeding, Nagpur Veterinary College, Nagpur.	16-20 January, 2023
12.	Dr. Satyaveer Singh	Training on "Basics of echocardiography and doppler ultrasound in animals" organized by Division of Surgery, IVRI.	16-25 January, 2023
13.	Dr. Kartar Singh Dr. Hukma Ram Parihar	Online course completion certificate on "Recent advancement in reproductive and infertility management of dairy animals" organized by College of Veterinary Science & Animal Husbandry, DUVASU, Mathura (U.P.) under NAHEP Project.	24-06 February, 2023
14.	Dr. Vikas Galav, Dr. Manish Agrawal Dr. Sarjna Meena Dr. Abhishek Gupta	Workshop on "Academia-industry interaction programme" organized by Livestock Innovation, Knowledge & Entrepreneurship Skill (LIKES) Center, PGIWER, Jaipur.	07 February, 2023
15.	Dr. D.S. Meena	Workshop on "Rabies zero by 2030 sensitization workshop" organized by NCDC, Directorate of Medical & Health, Animal Husbandry, PATH & Department of Microbiology, SMS Medical College, Jaipur.	09 February, 2023
16.	Dr. Barkha Gupta	Online training programme/IP awareness under "National intellectual property awareness mission" organized by "Intellectual Property Office, India.	01 March, 2023
17.	Dr. Prakash Chandra Sharma	CAFT training programme on "Computational biology and its application in agriculture" at ICAR - Indian Agricultural Statistics Research Institute, Pusa, New Delhi.	21-02 March, 2023
18.	Dr. D.S. Meena	Participated in a hands on training on "Laboratory diagnosis of rabies for northern states" organized by KVAFSU, Bangalore.	01-03 March, 2023
19.	Dr. Samita Saini Dr. Prakash Chandra Sharma, Dr. Surendra Singh Shekhawat, Dr. MC Parashar, Dr. Pradeep Kumar, Dr. Bincy Joseph Dr. Manju, Dr. Abhishek Gupta, Dr. Sumit Prakash Yadav	Online training programme on "Multivariate data analysis" under NAHEP-IG Program conducted by NAARM, Hyderabad.	20-27 March, 2023
20.	Dr. Sumit Prakash Yadav	MOOC on "Commercial dairy farming" organized by NDRI-NAARM MOOC team.	1 February 31 March, 2023
21.	Dr. Surendra Singh Shekhawat, Dr. Subhash Chand Meena, Dr. Neharika Saxena	Online training programme on "Microbiological diagnostic techniques for foodborne and zoonotic diseases", Certificate course under IDP-NAHEP, organized by CVS&A.H., UPPDDUPCVVEGAS, Mathura, Uttar Pradesh.	10-23 March, 2023
22.	Dr. Neharika Saxena	21 days winter school of "Emerging problems and recent advances in agriculture and allied sciences: Basics to Molecular approaches (EPRAAS-2023)" by Astha foundation, Meerut, India.	26-18 March, 2023



## New Constructions, Renovation & Repair Works

BY ESTATE OF UNIVERSITY DURING 2022-23

(Rs. In Lacs)

S. N.	Details of Work	Total sanctioned amount (Rs. In Lacs)	Expenditure (Rs. In Lacs)	Work Completed/ In Process
1	Construction of Building at CVAS Netra Jodhpur	1260.00	1259.96	Work in Progress
2	Construction of College Dairy & Food Technology Bassi, Jaipur	900.00	89.56	Work in Progress
3	Construction of College Dairy & Food Technology LRS Beechwal, Bikaner	700.00	322.01	Work in Progress
4	Construction of Civil work at College of Vet. And Animal Science, Nava , Nagour	800.00	0.25	Work in Progress
5	जोबनेर में पशु विज्ञान केन्द्र की स्थापना	40.00	30.35	Work Completed
6	नवीन पशु चिकित्सा एवं पशु विज्ञान महाविद्यालय नांवा (भार दिवारी)	150.00	128.93	Work Completed
7	डेयरी विज्ञान एवं प्रौद्योगिकी महाविद्यालय बरसी, जयपुर	27.00	22.99	Work Completed
8	Construction of Civil works Boys and Girls Hostel at CVAS Netra Jodhpur	500.00	225.43	Work in Progress
9	Various Civil works at Infrastructure work at CVAS Netra Jodhpur	1000.00	348.003	Work in Progress
10	Construction of New College of Vet. & Animal Science, Bharatpur	250.00	13.66	Work in Progress
11	Construction of New College of Vet. & Animal Science, Kotputali	250.00	52.80	Work in Progress
12	Construction of New College of Vet. & Animal Science, Malsisar Mandva Jhunjhunu	150.00	21.70	Work in Progress
13	Construction of Main Building (Adm. Block), TVCC and Various Department CVAS, Malsisar Mandva, Jhunjhunu	1600.00	0	Work in Progress
14	Construction of Main Building (Adm. Block), TVCC and Various Department CVAS, Bharatpur	1600.00	0	Work in Progress
15	Construction of Main Building (Adm. Block), TVCC and Various Department CVAS, Kotputali	1600.00	0	Work in Progress
		10827.00	2515.643	



## Vice-Chancellor's Visits





## Dignitaries Visited

- ◆ Sh. Dinesh Maheshwari Hon'ble Justice of Supreme Court, New Delhi Visited the RAJUVAS, Bikaner on 10<sup>th</sup> April, 2022.
- ◆ Hon'ble Justice of High Court of Jodhpur Justice Vijay Bishnoi visited RAJUVAS, Bikaner on 10.04.2022
- ◆ Chief Guest Justice Shri Gopal Krishan Vyas, Hon'ble Chairperson, Rajasthan State Human Rights Commission, Jaipur,
- ◆ Dr. B.N. Tripathi Deputy Director General (Animal Science), ICAR, New Delhi Visited RAJUVAS, Bikaner on 28<sup>th</sup> May, 2022.
- ◆ Prof. A. S. Vidhyarthi, Hon'ble Vice-Chancellor, Bikaner Technical University were Chief guests on 13th Foundation Day of RAJUVAS
- ◆ Dr. Sudhir Bhandari, Hon'ble Vice Chancellor, Rajasthan University of Health Sciences, Jaipur, Guest of Honour
- ◆ Lt. Col. Sunil Garg, Executive Director, IOCL, Jaipur
- ◆ Prof. P.C. Trivedi, Ex-Vice Chancellor, Jai Narain Vyas University, Jodhpur
- ◆ Dr. Bhawani Singh Rathore, Director, Department of Animal Husbandry (Govt. of Rajasthan)
- ◆ Dr. Neeraj K. Pawan Divisional Commissioner Bikaner Visited RAJUVAS on 30 May, 2022.
- ◆ Founder and Chief administrator of Shree Gau Dham Pathmeda Swami Shree datt sharnanandji maharaj visited RAJUVAS on 24.05.2022. He also visited LRS, Bikaner and admired the efforts being done for the preservation and propagation of Rathi and other indigenous breeds.
- ◆ Dr. T.K. Dutta, Director of CIRB, Hisar, and Dr. Sanjay Kumar Senior Scientist visited Network project on Buffalo improvement on 24<sup>th</sup> February 2023.
- ◆ Col. Lavdeep Yadav, Col. RVS, Jaipur Command conducted a technical inspection of the unit of 1 Raj R&V Squadron NCC at Veterinary University on 28 March, 2023.
- ◆ Dr. S.S. Rathore, Principal Scientist and National Coordinator, National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi visited to PGIVER, Jaipur on 06<sup>th</sup> February, 2023.
- ◆ Mr. Prem Kansal of A.B.E.S. Health & Nutrition India Pvt. Ltd., Karnal,
- ◆ Mr. Anuj Modi, Board Director, Lotus Dairy, Bikaner,
- ◆ Dr. Arvind Gautam, Co-Founder & CEO, Accuvance L.L.P., New Delhi,
- ◆ Dr. Vinod Kadam, Chief Investigator, Agribusiness Incubation Center of ICAR-CSWRI, Avikanagar
- ◆ Padma Shri Vigyan Ratna Prof. ML. Madan Former Vice Chancellor Veterinary University Mathura and School of Agriculture Akola (Maharashtra) and Former Director General (Animal Science) ICAR, New Delhi on 21 March, 2023.
- ◆ Hon'ble Governor of Rajasthan Sh. Kalraj Mishra inaugurated the newly constructed constitutional park at RAJUVAS, Bikaner on 29 July, 2022.
- ◆ Hon'ble Minister of Agriculture and Animal Husbandry Sh. Lalchand Kataria
- ◆ Mayor Bikaner Sushila Kanwar Rajpurohit.
- ◆ Principal Secretary to the Governor Mr. Subir Kumar
- ◆ Dr. Rakesh Chandra Agarwal, DDG, Agricultural Education, ICAR, New Delhi
- ◆ Dr. Anil Kumar Shrivastava, Chairman ASRB, New Delhi.
- ◆ OSD to Governor Sh. Govindram Jaiswal attended the function as guests.
- ◆ Vice-Chancellor of SKRAU, Bikaner Prof. R.P. Singh,
- ◆ Vice-Chancellor of MGSU Prof. V.K. Singh
- ◆ Vice-Chancellor of Bikaner Technical University Prof. Ambarish Vidyarthi
- ◆ Abid Kagji, Chairman, Rajasthan Pradesh Congress Committee, Jaipur on 06.10.2022 at LRS Bojunda.
- ◆ Jitendra Kumar, P.O., ND, ASLK on 08.11.2022 at LRS Bojunda.
- ◆ Ajay Kumar Shakya, DPC, Chittorgarh on 18.11.2022 at LRS Bojunda.
- ◆ Dr. Ramawatar Sharma, Additional Director, Agriculture Department, Bhillwara on 28.03.2023 at LRS Bojunda.



**Annual Report 2021-22**

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**RAJUVAS NEWSLETTER**

संस्थापक कुलपति का शुभकामनाएं

संविधान पारस लोकसभा के समारोह में शुभकामनाएं

**राजुवास कैलेंडर-2023**

नव वर्ष की हार्दिक शुभकामनाएं

राजुवास यूनिवर्सिटी ऑफ वीटनरी एंड एनिमल साइंसेस  
बिकानेर-334001 (राजस्थान)  
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|| पृष्ठभूमि चित्र: सवित्रीदेवीकावठ्ठर ||

**Training Manual**

"Empowering Teachers for Content, Treatment and Evaluation of Livestock Diseases" under ABCAS Programme

DEPARTMENT OF EXTENSION EDUCATION  
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**NOHEP**

Establishment and Strengthening of Education, Research, and Entrepreneurship (NOHEP) Scheme for the Development of RAJUVAS (RAJUVAS) and CVAS, Bikaner (RAJUVAS) under DR-2007 Project

**Progress Report 2020-23**

Rajasthan University of Veterinary and Animal Sciences, Bikaner

**पशु पालन एवं प्रजनन**

संविधान पारस लोकसभा के समारोह में शुभकामनाएं

राजुवास यूनिवर्सिटी ऑफ वीटनरी एंड एनिमल साइंसेस  
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**पशु आहार एवं चारा बुलेटिन**

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**वार्षिक प्रगति प्रतिवेदन 2022-2023**

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**बकरी पालन**

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**Directorate of Prioritization, Monitoring and Evaluation**  
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