



19. A three-day training and seminar' was organized under Scheduled Castes sub-plan by Surti Buffalo Project (funded by Indian Council of Agricultural Research) of Livestock Research Center, Vallabhnagar, College of Veterinary and Animal Science, Navania, Udaipur from 22nd to 24th December in which a total of 100 scheduled caste cattle breeders received training from artificial insemination centers operated by Surti Buffalo Project. During this training, training guide, Delcha, Tagari, Mask, Sanitizer and Saras Gold animal feed were distributed to all the cattle owners.



20. A three-day online training program was organized for airport officials by the Sub-Centre for Wildlife Studies and Health Management, College of Veterinary and Animal Science, Navania, Udaipur on 23rd to 25th December 2021. In which more than 50 officials of Delhi, Mumbai airports including Udaipur, Jodhpur, Jaipur, Assam participated. The main objective of this training was to give information about the management of birds at the airport. So that the accident of planes colliding with birds can be prevented.
21. Five-day training camp on goat rearing in a scientific manner, Under the joint aegis of 'Pashudhan Farm Sankul' and 'Pradhan', Abu Road, was organized for tribal women on the topic 'Scientific goat rearing' from December 27th to 31st. Addressing the cattle rearers in the inaugural session of the training camp, Honorable Vice Chancellor of RAJUVAS, Prof. (Dr.) Satish Kumar Garg said that goat farmers should take special care of five special things good 'breed, housing, breeding, maintenance and health' for goat rearing in a scientific



- way. By adopting scientific methods, goat rearing will definitely increase the income of goat farmers.
22. Two Patents Titled "B L Bone Polish" from Department of Veterinary Anatomy and Histology and "EPN Spray for Vector Control" from Department of Veterinary Parasitology were filed from CVAS, Navania, Udaipur by Dr. Hemant Joshi and Dr. Sanweer Khatoon on 17th November 2021 and 27th November 2021 respectively for approval.
23. 4th Year B.V.Sc. & A.H. students went to Gujarat for 3 days educational tour on 8th December 2021. During tour student visited Amul Dairy and NDDDB in Anand, Gujarat.



24. Hon'ble Vice Chancellor of RAJUVAS Prof. (Dr.) Satish K. Garg inspected the Veterinary and Animal Science College, Navania, Udaipur on 11th October 2021 inspected various educational, research and dissemination programs.



25. ICAR PRT team visited CVAS, Navania on 1st December 2021 for approval and reviewed the various academic, research and extension facilities and activities present in the college. The main member and chairman of the ICAR PRT team were, Dr. K.M. Bujarbaruah ex VC, AAU and Dr. N.K. Agnihotri, Senior Scientist, Department of Education, ICAR. During this, Honorable Vice Chancellor of RAJUVAS, Prof. (Dr.) Satish Kumar Garg, Dr. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner were also present.



26. A three member team of Veterinary Council of India, New Delhi inspected the resources and facilities available in the college on 3rd December 2021. The main member and president of the VCI team was Dr. D.S. Nauriyal, Former Dean, CVAS & AH, Anand, Gujarat, Dr. Nitin Markandey, Dean, CVAS, Parbhani, Maharashtra and Dr. Amit Poonia, Assistant Professor, Veterinary Anatomy, LUVAS Hisar were member. Dean Prof. (Dr.) R. K. Joshi gave a brief presentation of various facilities and resources of the college. The team inspected various units of the college, livestock farm premises, hostels, sports grounds on the second day.



28. Farmers from different villages located in tribal or non-tribal areas of Udaipur, Pratapgarh, Bhilwara, Banswara and Jaipur district visited the Gir cattle, Surti buffalo, Sonadi sheep, Sirohi goat & poultry units of the LFC and VCC of CVAS, Navania (Udaipur).

Extra Curricular Activities of PGIVER, Jaipur

1. PGIVER, Jaipur celebrated 'World Veterinary Day-2021' through online mode by jointly organizing a National Webinar with RAJUVAS, Bikaner on "Veterinarian Response to COVID-19 Crisis for improving Animal and Human Health" on 24.04.2021. Online painting competition for students on theme "United against corona: express your imagination" was also organized.
2. An online interactive session for faculty members of PGIVER, Jaipur was organized on 11th May, 2021 to keep everyone healthy and mentally strong during the COVID-19 situation. Online interactive session for students of 2nd, 3rd and 4th year B.V.Sc. & A.H. was organized on 12th, 13th and 14th May, 2021 respectively to make the students pleasant and comfortable during this COVID-19 lock down period.
3. An online 'Pledge Taking Ceremony' was organized by PGIVER, Jaipur on 31st May, 2021 on the occasion of 'World No Tobacco Day'.
4. Institute celebrated World Environment Day on 5th June, 2021. A Mass Plantation Drive was initiated under the leadership of Dean, PGIVER, Jaipur on this occasion.



5. Online Inauguration Function of newly constructed buildings of Bank, Hostels and Laboratories at PGIVER, Jaipur was organized on 3rd July, 2021.



6. RKVY Project CDSRZ at Department of Veterinary Medicine, PGIVER, Jaipur organized an International Webinar on "COVID 19- Where do we go from here to deal zoonoses" on 6th July, 2021. In this webinar, 622

professionals got registered and more than four thousand participants joined the live event from eleven different countries including England, USA, Sri Lanka, Bangladesh, Nepal etc.

7. A National Webinar on "Compassion, Kindness and Commitment for Animals" on 16th July, 2021.
8. Department of Veterinary Surgery and Radiology, PGIVER, Jaipur conducted a five days "Canine Cataract Surgery Camp" with the help of Department of Veterinary Surgery and Radiology, CVAS, Bikaner from 29.06.2021 to 03.07.2021. A total of 17 dogs were successfully operated for cataract. In continuation to this, a two days "Follow-Up Cataract Surgery Camp" with the help of Department of Veterinary Surgery and Radiology, CVAS, Bikaner was also conducted from 17.07.2021 to 18.07.2021.



9. First calf through Embryo Transfer Technology (ETT) was born in the Livestock Farm Complex of PGIVER, Jaipur on 16.07.2021. Rathi cow gave birth to a Gir calf.



10. "75th Independence Day Celebration" was organized on 15.08.2021 at PGIVER, Jaipur. A Plantation Drive was also organized on this occasion.



11. RKVY Project CDSRZ at Department of Veterinary Medicine, PGIVER, Jaipur organized a National webinar on "Role of RKVY in Improving the productivity in livestock sector with reference to the Rajasthan" on 28th August, 2021.
12. A National Webinar on "Veterinary Genomics and Bioinformatics as career option for Veterinary Graduates" on 03rd September, 2021. Presiding the webinar, Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner told that this webinar will motivate the veterinary graduates in taking Bioinformatics as a career. Lead speaker Dr. Chirayu Goswami, Senior Director, Bioinformatics Services, Infinity Biologix, USA discussed in details about the various avenues of Veterinary Genomics and Bioinformatics.
13. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner visited Veterinary Clinical Complex (VCC) of PGIVER, Jaipur on 14th September, 2021. He also interacted with the faculty of VCC and final year B.V.Sc. & A.H. students during his visit.



14. LIKES Centre, PGIVER, Jaipur organized 4 days training-cum-workshop on "Personality Development & Soft Skills" from 27th-30th September, 2021.
15. VCC, PGIVER, Jaipur organized a free anti rabies vaccination, general health check up and awareness camp on 28/09/2021 to celebrate the World Rabies Day-2021. In this event Prof. D. S. Meena also presented a seminar on awareness of Rabies and one health approach.



16. Students of final year B.V.Sc. & A.H. from College of Veterinary Sciences and Animal Husbandry, R.S. Pura, Jammu visited PGIVER, Jaipur on 23rd October, 2021. They visited different departments, farms and clinical

complex of the institute and get acquainted with the available facilities.



17. Dr. Amit Nain, Member of VCI, New Delhi visited PGIVER, Jaipur on 25th November 2021 and interacted with the faculty members.



18. Member of Peer Review Team (PRT) of Indian Council of Agricultural Research (ICAR) Dr. M. K. Narayanan, Director of Entrepreneurship, Kerala Veterinary and Animal Sciences University, Pookode, Wayanad, Kerala visited PGIVER, Jaipur on 1st & 2nd December, 2021 for accreditation of RAJUVAS by ICAR. He visited different departments and units of the institute and assessed various instruments and facilities available with them.



19. A three member team of Veterinary Council of India (VCI), New Delhi consisting of Prof. Archana Pathak, College of Veterinary Science & Animal Husbandry, DUVASU, Mathura, Uttar Pradesh; Dr. Virender Pathak, DGCN COVAS, CSK HPKV, Palampur, Himachal Pradesh and Dr. Vishal Sharma, College of Veterinary Science, Lala Lajpat Rai University of



Veterinary & Animal Sciences, Hisar, Haryana inspected PGIVER from 2nd-4th December, 2021. The team members visited different departments and units of the institute and assessed various facilities available with them.

20. A College level online quiz competition was conducted by Virbac Animal Health India Pvt. Ltd. The winners of the quiz competition were awarded certificates.
21. A lecture was delivered by Col. (Dr.) Pradeep Kumar, Director, Remount Veterinary Services, South Western Command, Jaipur on "Join RVC as Commissioned Officer" to P.G. and B.V.Sc. & A.H. internship and fourth year students on 10th February, 2022 at PGIVER, Jaipur. He discussed in details about the different preparations for the above post.
22. Dr. A. Sahoo, Director, ICAR- National Research Centre on Camel, Bikaner and Dr. Yash Pal, Director, ICAR- National Research Centre on Equines, Hisar visited PGIVER, Jaipur on 15th February, 2022.



25. First meeting of Regional Animal Husbandry and Extension Technology (RAHET) forum was organized



on 08.03.2022 through hybrid mode. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner told that various institutes and units of the university should coordinate with different stakeholders of animal husbandry to solve the problems of livestock farmers.

27. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner visited PGIVER, Jaipur from 25th-26th March, 2022 to review the activities of different departments of the institute.



28. Department of Veterinary Microbiology and Biotechnology, PGIVER, Jaipur organized five days training of field Veterinarians on "Techniques of Animal Disease Diagnosis and Control" from 7th-11th March, 2022 under Assistance to States for Control of Animal Disease (ASCAD) Programme.



NSS Activities

1. Plantation drive at Campus

A plantation drive was organised in university campus on 15th September, 2021. Prof. R.K. Singh, Dean, College of Veterinary and Animal Science, Bikaner started the drive by planting a sapling and motivated the NSS volunteers for planting the saplings more and more.



2. Celebration of Mahatma Gandhi Jayanti

A cleanliness drive was organised on the occasion of birth anniversary of Mahatma Gandhi on 2nd October, 2021. The drive was inaugurated by Prof. R.K. Singh, Dean, College of Veterinary and Animal Science, Bikaner. Faculty members and NSS volunteers actively participated in this drive.



3. Organizing Adult Literacy Awareness Rally

An awareness rally for adult literacy was organised on 29th January, 2022 at adopted village Garhwala under University



Social Responsibility by National Service Scheme Unit, College of Veterinary and Animal Science, Bikaner. The rally was inaugurated by the Shravan Choudhary, Principal, Govt. Senior Secondary School, Garhwala. Dr. Neeraj Kumar Sharma, Co-ordinator, University Social Responsibility told that for becoming the developed country society must be educated.

4. Celebration of National Youth Day

On the occasion of 159th birth anniversary of Swami Vivekananda National Youth Day was celebrated on 12th January, 2022. Prof. Satish K. Garg Hon'ble Vice-Chancellor, RAJUVAS addressed the NSS volunteers and told that youth should be utilize their positive energy for nation service and nation creation and they have to follow the philosophy of life of Swami Vivekananda. All Dean Directors of RAJUVAS garlanded the Statue of Swami Ji. The Programme was organised NSS unit, CVAS, Bikaner.



5. Organizing Nasha Mukti Rally

A Nasha Mukti Rally was organised on 25th March, 2022 in adopted village Garhwala by NSS unit, College of Veterinary and Animal Science, Bikaner. The Rally was inaugurated by Ram Ratan Choudhary, Gram Vikas Adhikari, Garhwala. Dr. Neeraj Kumar Sharma, Co-ordinator, University Social Responsibility motivated the volunteers for never to use any type of addiction. A cleanliness drive was also organised in Gram Panchayat campus.



6. Organizing NSS Special Camp

i. NSS Special Camp at CVAS, Bikaner

NSS unit of CVAS Bikaner organised seven days special camp during 24th-30th March, 2022. The inaugural session was presided by Dean and Faculty Chairman. Prof. R.K. Singh who motivated the NSS volunteers to serve the society. Prof. S.C. Goswami Dean Students Welfare told that NSS volunteers should be disciplined, hard working and have moral values. A motivational lecture was delivered by Dr. Gaurav Bissa. Dr. Neeraj Kumar Sharma, Programme officer, NSS told that Nasha Mukti Rally, Swachhta Abhiyaan, motivational lectures were organized during the camp. Heart fullness Institute organized meditation camp. Poster competition was organized on theme "World Peace" and extempore competition was also organized.



ii. NSS Special Camp at CVAS, Navania, Udaipur

A special camp was organized by the NSS Unit at CVAS, Navania, Vallabh Nagar, Udaipur, from March 25th-31st March, 2022. Dean Prof. Rajeev Kumar Joshi appealed to the volunteers to make a "plastic free campus" and motivated them to plant more and more trees in the campus. Under this NSS camp a poster competition was organized on the title



"Role of NSS Volunteers in COVID-19 Pandemic". A door to door vaccination awareness campaign was also organized in Navania village and necessary information was given by NSS volunteers to the villagers about Covid-19 vaccination and importance of vaccination in animals.

iii. NSS Special Camp at PGIVER, Jaipur

Seven Days special NSS Camp of 50 students of PGIVER, Jaipur was organized at adopted village Kanarwas and in the institute from 21st-27th March, 2022. The students carried out various awareness programmes in the village on water conservation, Tuberculosis, cleanliness, vaccination in animals, advanced animal husbandry practices etc. The students also carried out Cleanliness Drive in the institute campus. Prof. Satish K. Garg, Hon'ble Vice Chancellor, RAJUVAS, Bikaner also addressed the NSS volunteers.



7. Closing ceremony of the five-day NCC training camp

Closing ceremony of the five-day annual NCC training camp of 2 Raj R&V NCC Regiment at College of Veterinary and Animal Science, Navania, Udaipur took place on 15.10.2021. The chief guest of the function was the Dean, and was presided over by Col E N Manoj, Commanding Officer 2 Raj R&V NCC Regiment Navania.



Students Activities

Orientation program

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 5th April, 2022. Students were made aware about the placement cell, and necessary information to prevent incidents like ragging, shared the information about the registration process in the National Service Scheme.

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 1st June, 2022.



Personality Development and Communication Skill

Four days Workshop on Personality Development and Communication Skill was organized for under graduate and internship students under National Agriculture High Education Project (NAHEP) at College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur from 23rd-26th February in association with Mack Millan Education. India. Pvt. Ltd. In this Workshop around 52 Students participated. The topics covered in this workshop were personality skill, innovation intelligence, professional communication, leadership development, academic writing and social media communication.

An online virtual interaction meeting was organized for the students of first year B.V.Sc. & AH in the College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur on 15th May 2021 to motivate them and also the



people around them to protect from corona and to get vaccinated against corona.

A literary competition was conducted at university level on the occasion of foundation day of University on 18th May 2021. In this competition Satynarayan student of 4th BVSc. Stood first in poem competition and Rachna Soan Student of 2nd BVSc stood at 3rd Position in essay competition.

Internship Allowance of Students Increased by GoR

Hon'ble Chief Minister of Rajasthan Sh. Ashok Gehlot during the budget session has increased the internship allowance of B.V.Sc. & A.H students from Rs.3500 to Rs.14000/-. The long-running demand of increasing the internship allowance of the students of the RAJUVAS has got the approval of the state government.

A Quiz Competition

A quiz competition by Society for Conservation of Domestic Animal Biodiversity was held on 28th March 2022 as Level-I stage at CVAS, Bikaner for under graduate students. Ms. Anjali Bishnoi of third professional B.V.Sc. & A.H. stood first and Mr. Ramswaroop Saini of Second Professional B.V.Sc. & A.H. stood second in quiz. These students will represent college in second stage at Zonal level.

Campus interview by Placement Cell

College of Veterinary and Animal Science, Navania, Udaipur in collaboration with Advanced Pet Care Private Limited, Kolkata conducted an interview of the graduate and intern students of the college. Placement Cell Coordinator Prof. Balwant Meshram told that in this interview, six students of the college were selected. Dean, Prof. Rajeev Kumar Joshi, congratulated to all the selected students and wished them for their bright future. Team members of Advance Pet Care Pvt Ltd. Subhiyan Ganguly and Roshni Sen were present during the interview.

Lecture on "Join RVC as Commissioned Officer" at PGIVER, Jaipur

A lecture was delivered by Col. (Dr.) Pradeep Kumar, Director, Remount Veterinary Services, South Western Command, Jaipur on "Join RVC as Commissioned Officer" to P.G. and B.V.Sc. & A.H. internship and fourth year students on 10th February, 2022 at PGIVER, Jaipur. He



discussed in details about the different preparations for the above post. The programme was presided over by Prof. Sanjita Sharma, Dean, PGIVER, Jaipur.

Entrepreneurship Development Workshop

Livestock Innovation Knowledge and Entrepreneurship Skill (LIKES) Centre, PGIVER, Jaipur organized 3 days workshop for UG and PG students on "Entrepreneurship Development" from 6th-8th December, 2021. Trainers from Macmillan Education India, New Delhi Shri Subodh Palgrew and Sh. Akshay Agrawal organized various sessions on entrepreneurship development during the workshop.



Student Exposure Visit

Four days exposure visit of students of fourth year and third year B.V.Sc. and A.H. to different institutes was organized from 1st-4th March, 2022 and 2nd-5th March, 2022, respectively under NAHEP-IG, PGIVER, Jaipur.



Saras Dairy & Slaughter Hall Visit

Undergraduate students of 3rd year B.V.Sc. & A.H. of College of Veterinary & Animal Science, Navania, Vallabhnagar, Udaipur visited Saras Dairy Plant & animal slaughter hall located at Udaipur on 28th March, 2022. Total 35 students and teachers Dr. Dinesh M. Chavhan, Assistant Professor & In-



Charge (LPT), Dr. Abhishek Gaurav, Assistant Professor & In-Charge (VPH) and Dr. Ramesh Chand Jat, Teaching Associate (LPT) and Dr. Durga Devi Teaching Associate (LPT) were visited the dairy & slaughter hall.

Technical Session and Quiz competition

Technical session and quiz were held on 9th February 2022 for the Internee and PG students of CVAS, Bikaner. General Manager Marketing and Technical of Sushima Pharmaceutical Pvt. Ltd. Dr Manish Kawatra interacted with the students on this occasion and delivered lecture on "Career prospects for Budding Veterinarians". Winner students were awarded prizes also. Dr Ashok Dangi, Assistant Dean Students' Welfare coordinated this event.

Freshers Welcome Party

Freshers Welcome Party "Abhinandanam" was organized by the senior batch students on 14th March 2022 for the junior batch students at CVAS, Bikaner. Hon'ble Vice-Chancellor Prof. Satish K. Garg was chief guest of the function. Cultural programmes were presented by the students on this occasion. Dr. Ashok Dangi, ADSW coordinated this event.



Fresher's party at CVAS, Navania

A fresher's party was organized to welcome the new students at the College of Veterinary and Animal Science, Navania, Udaipur. Col. E.J. Manoj Commanding Officer 2 Raj R&V NCC Regiment, Navania was the chief guest. During this the program Dean of the College, During this, students gave various cultural and colorful performances, on this basis Satya Prakash was chosen as Mr Fresher and Sanju Kajla as Miss Fresher at the end of the program. A total of 80 newly admitted students took part in this programme. Students shared their dreams of the future with everyone.



Farewell Programme at CVAS, Bikaner

Farewell programme was organized for the passing out 2016 batch by the students of Batch 2017 on 16th March 2022. All the students shared their memories of degree period and pledged to serve the animals and the nation as veterinarian. Dr. Ashok Dangi, ADSW coordinated this event.

Oath Taking and Farewell Ceremony of Students at CVAS, Navania

The oath taking and farewell ceremony of the students was organized at the College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur on 16th March 2022.

Farewell-cum-Oath Taking Ceremony at PGIVER, Jaipur

Farewell-cum-Oath taking ceremony of second undergraduate batch of PGIVER, Jaipur was organized on 16th March, 2022. All the students took the "Veterinarian's Oath" and pledged to serve the animals and the nation.



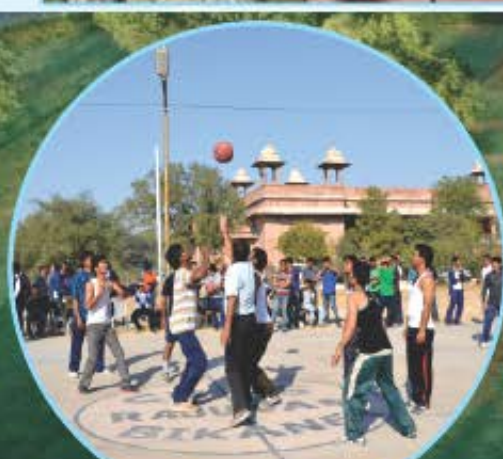
Students Accomplishments

- Dr. Rohish Koda student of CVAS, Bikaner got a full funded Ph.D scholarship from the prestigious Life

Sciences University of Estonia (Europe). Dr. Rohit did his B.V.Sc & A.H from Veterinary College, Bikaner and Master degree in Animal Genetics and Breeding from GADVASU, Ludhiana.

- Three students of RAJUVAS, Bikaner got academic excellence awards during general body meeting of Indian Dairy Association, Rajasthan State Chapter and Dr N.R Bhasin Memorial Award Function held on 23rd October, 2021 at Jaipur. Mr. Vishal Yadav got Gold Medal and Mr. Keshav Gaur and Ms. Garima Rathore got Silver medal for their respective first and second merits in university merit list of final year examinations 2019-20.
- Akhil Tiwari, Final year and Dipesh Dabi, third year student of CVAS, Bikaner represented university in Zonal Student Elocution competition for XV Agricultural Science Congress, conducted by SKNAU, Jobner via online mode on 27th October, 2021. Theme of the elocution was Energy and Agriculture: Challenges in 21st Century.





Students Amenities

Hostel Facilities at CVAS, Bikaner

S. No.	Name of Hostel	Type of Hostel (Boys/Girls)	Wi-Fi	Accommodation Facilities in Number			Alternative Arrangements
				Rooms	Beds	Total No. of allotted Beds	Beds
1.	UG-I	Boys	Available	79	175	126	100 Beds are available
2.	UG-II	Boys	Available	10	30	30	
3.	PG-I	Boys	Available	35	35	35	
4.	PG-II	Boys	Available	37	53	53	
5.	Intern	Boys	Available	11	33	-	
6.	Girl's (Old Wing)	Girls	Available	50	78	78	
7.	Girl's (New Wing)	Girls	Available	13	39	39	
8.	New Boys Hostel	(Family Hostel)	Available	13	-	13 Families	

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)	Wi-Fi	Accommodation Facilities in Number			Alternative Arrangements
				Rooms	Beds	Total No. of allotted Beds	Beds
1.	Boys Hostel	Boys	Yes	99	237	237	No
2.	Girls Hostel	Girls	Yes	94	198	198	

Hostel Facilities at PGIVER, Jaipur

S. No.	Name of Hostel	Type of Hostel (Boys/Girls)	Wi-Fi	Accommodation Facilities in Number			Alternative Arrangements
				Rooms	Beds	Total No. of allotted Beds	Beds
1	Boys Hostel	Boys	No	68	204	Nil	--
2	Girls Hostel	Girls	No	51	153	Nil	--

Residential Colony (For Staff & Student)

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



Following students felicitated on appearing in university merit list:

FIRST YEAR B.V.Sc. & A.H (New) – 2021

Order of Merit	Roll No	Name of Students	GPA	Name of College
I	21190837	JONATHAN MOSES GEORGE	8.986	Arawali Veterinary College, Sikar
II	21190822	GYATRI (MISS)	8.804	Arawali Veterinary College, Sikar
III	21190222	KHUSHI HADA (MISS)	8.717	College of Veterinary and Animal Science, Navania, Vallabh Nagar
IV	21191020	CICILIYA ARIN AJAY	8.702	M.B. Veterinary College, Dungarpur
V	21190807	ANKIT YADAV	8.670	Arawali Veterinary College, Sikar

SECOND YEAR B.V.Sc. & A.H – 2021

Order of Merit	Roll No	Name of Students	GPA	Name of College
I	21290655	PATIDAR HEER HITESH (Miss)	9.271	Mahatma Jyotiba Fule College of Veterinary and Animal Science, Chomu
II	21290666	ROUNAK SINHAMAHAPATRA	9.228	Mahatma Jyotiba Fule College of Veterinary and Animal Science, Chomu
III	21290658	PREETI SINGH (Miss)	9.151	Mahatma Jyotiba Fule College of Veterinary and Animal Science, Chomu
IV	21290687	VILAKSHAN SHARMA	9.070	Mahatma Jyotiba Fule College of Veterinary and Animal Science, Chomu
V	21290683	VEMULA NITA IDA (Miss)	9.060	Mahatma Jyotiba Fule College of Veterinary and Animal Science, Chomu

THIRD YEAR B.V.Sc. & A.H – 2021

Order of Merit	Roll No	Name of Students	GPA	Name of College
I	21390814	ANKITA CHOUDHARY (Miss)	9.299	Arawali Veterinary College, Sikar
II	21390463	PUNEET GOYAL	9.147	Apollo College of Veterinary Medicine, Jaipur
III	21391121	ISHAN ASOPA	9.047	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur
IV	21391154	RUHI KHAN (Miss)	9.041	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur
V	21390410	ANMOL SINGH	9.031	Apollo College of Veterinary Medicine, Jaipur

FOURTH YEAR B.V.Sc. & A.H (New) – 2021

Order of Merit	Roll No	Name of Students	OGPA	Name of College
I	21490426	HARDIK ARYA	9.123	Apollo College of Veterinary Medicine, Jaipur
II	21490628	POONAM SAINI	9.015	Mahatma Jyotiba Fule College of Veterinary and Animal Science, Chomu
III	21491134	MONIKA CHOUDHARY	8.889	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur
IV	21491164	TEJPAL	8.861	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur
V	21490431	KAMALESH V.	8.854	Apollo College of Veterinary Medicine, Jaipur

FIRST YEAR AHDP-2021

Order of Merit	Roll No	Name of Students	Percentage	Name of College
I	2115332	NISHA KUMAWAT	95.60	Shree Ji Animal Husbandry Training Institute, Nathuwas, Nathdwara
II	2114726	POOJA SONI	94.20	Govt. Animal Husbandry Training Institute, Chaitak Circle, Udaipur
II	2110449	VASUNDHRA SAIN	94.20	Sati Jabde Veterinary Compounder Training Institute, Tatarpur, Alwar
II	2118040	KANCHAN	94.20	Salasar Balaji Veterinary Institute, Behind Circuit House, Jaipur Road, Sikar
II	2115022	MANISHA	94.20	AHDP Institute, Livestock Research Station, Nohar, Hanumangarh
II	2115320	KHUSHBU KUMAWAT	94.20	Shree Ji Animal Husbandry Training Institute, Nathuwas, Nathdwara
III	2113510	BHANUPRIYA JANGID	93.80	Shri Lal Bhadur Shastri Research & Training Institute, Jodhpur
III	2114724	NIKITA RAWAT	93.80	Govt. Animal Husbandry Training Institute, Chaitak Circle, Udaipur
III	2115649	YOGESH MEGHWAL	93.80	Cambridge Nursing Institute of Veterinary Science, Barmer
III	2111530	POOJA	93.80	Sardar Ballabhbbhai Patel Animal Husbandry College, Bhadra, Hanumangarh
IV	2118087	SUBITA	93.60	Salasar Balaji Veterinary Institute, Behind Circuit House, Jaipur Road, Sikar
IV	2115347	TARA MALI	93.60	Shree Ji Animal Husbandry Training Institute, Nathuwas, Nathdwara
V	2117807	ANITA POONIA	93.40	Prof. S. Karan Institute of Veterinary, Mukundgarh, Mandi Jhunjhunu

SECOND YEAR AHDP-2021

Order of Merit	Roll No	Name of Students	Percentage	Name of College
I	2127619	MANISHA KUMARI (Miss)	94.40	Kamdhenu College of Veterinary Sciences, Gunti, Bahroad, Alwar
II	2124915	NIRAJ KUMARI GURJAR (Miss)	94.30	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur
III	2124906	DHARMPAL GURJAR	94.20	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur
III	2125314	GARIMA SEN (Miss)	94.20	Shree Ji Animal Husbandry Training Institute, Nathuwas, Nathdwara
IV	2127630	PREM SINGH	94.00	Kamdhenu College of Veterinary Sciences, Gunti, Bahroad, Alwar
V	2124912	MADHUBALA MEENA (Miss)	93.90	Post Graduate Institute of Veterinary Education and Research, Jamdoli, Jaipur



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 34 projects were operational. Out of these 24 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 08 by RKVY. Ten intramural university funded, Revolving Fund projects were also functional.

Total research schemes operational during year 2021-22

(in Lacs)

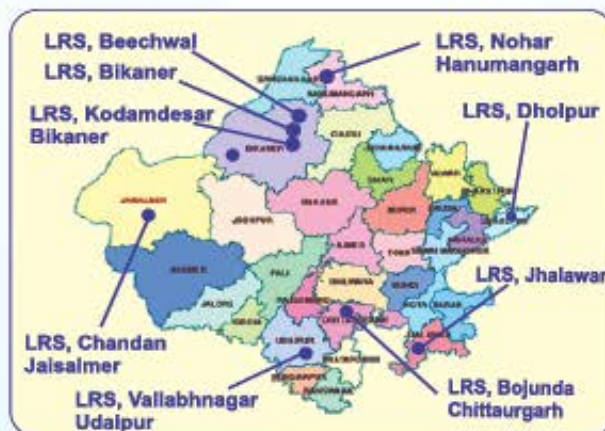
Funding Agency	No of Schemes	Total cost of Projects	Amount Sanctioned
ICAR	05	202.27	145.76
State plan	11	7900.00	329.84
RKVY	08	393.41	75.00
Revolving Fund	10	98.62	-
Total	34	8594.30	552.60

Research Schemes operational during the year 2021-2022

S.No.	Name of Research Schemes
ICAR schemes	
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, Vallabh Nagar, Udaipur
3.	AICRP on Genetic Improvement of Sirohi Goats in Farmers' Flocks at LRS, Vallabh Nagar, Udaipur
4.	Mega Sheep Seed Project (Sonadi) at Livestock Research Station, Vallabh Nagar, Udaipur.
5.	All India Network Programme on Diagnostic Imaging and Management of Surgical Affections in Animals at CVAS, Bikaner
State Plan Schemes	
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
RKVY Schemes:	
1.	Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases
2.	Optimizing the reproductive potential of Cows and Buffaloes of southern Rajasthan through on campus training of Government/Private Para-vets
3.	Capacity Building of Secretaries of the Milk societies and laboratory personnel of Rajasthan Cooperative Dairy Federation (RCDF) for Clean Milk production, Milk Quality and Safety
4.	Establishment of Poultry Germplasm Multiplication Unit for Indigenous Poultry
5.	Establishment of cattle feed processing units at various Livestock farms of the University
6.	Strengthening of Residential Accommodation at Post Graduate Institute of Veterinary Education & Farm Practices of Veterinary & Animal Science Students
7.	Farmers training and Hostel Facility
8.	Establishment of biosafety level-3 (BSL-3) facility for diagnosis of emerging Zoonotic disease
Revolving Fund Schemes:	
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.

Livestock Research Station

S.No.	Name of Research Stations
On Campus Research Stations	
1.	Livestock Research Station Bikaner
2.	Livestock Research Station Vallabhnagar (Udaipur)
Off Campus Research Stations	
1.	Livestock Research Station Beechwal (Bikaner).
2.	Livestock Research Station Kodamdesar (Bikaner).
3.	Livestock Research Station Chandan (Jaisalmer).
4.	Livestock Research Station Nohar (Hanumangarh).
5.	Livestock Research Station Dholpur.
6.	Livestock Research Station Bojunda (Chittorgarh).
7.	Livestock Research Station Dag (Jhalawar)



Livestock Research Stations:

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 2021-22 was Rs.119.75 lacs whereas the Income generated during year 2021-22 from various sources viz. sale of milk, sale of animals, sale of manure etc. was Rs. 43,56,501/-. The total herd strength was 272 among which 214 were females and 58 were males of different age group.

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 2021-22 total 32 Rathi bull calves were distributed.

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

- Conservation, Evaluation, Improvement 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 6.20 and wet average was 8.95lit. The average peak yield of 13.25 kg and average Lactation yield (kg) of 2655.58 was recorded during the reporting period. The herd strength at the beginning of the year was 139 animals and at the end it was 164 animals including 1 camel. Four students have done there a part of their research work at LRS.



Research work done during 2021-2022 at L.R.S, Beechwal

S.No.	Name of student	Research work topic	Department
1	Dr. Sita Ram Gupta (Ph.D)	Studies on Therapeutic Potential of <i>Nigella Sativa</i> (Kalonji) and <i>Phyllanthusemblica</i> (Amla) in Bovine Subclinical Mastitis	Veterinary Clinical medicine, E & J, CVAS, Bikaner
2	Dr. Manohar Lal Sain (Ph.D)	Studies on Therapeutic and Antioxidative Potential of <i>Tinosporacardifolia</i> (Giloy) and <i>Azadirachtaindica</i> (Neem) in Subclinical Mastitis in Cattle	Veterinary Clinical Medicine, E & J, CVAS, Bikaner
3	Dr. Sandeep Kumar (M.V.Sc)	Studies on Immuno-Therapeutic and Antioxidative Potential of <i>Phyllanthusemblica</i> (Amla) In Subclinical Mastitis in Cattle	Veterinary Clinical Medicine, E & J, CVAS, Bikaner
4	Dr. Subhita (M.V.Sc)	Comparative study of multiple linear regression and artificial neural network for prediction of first lactation 305 days milk yield in Tharparkar cattle	Animal Genetics and Breeding

3. Livestock Research Station Kodamdesar

The main objective of LRS Kodamdesar, 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 2021-22 was 222 among which 156 were females and 66 were males of different age group. Total Milk production was 89014.1 (kg). Annual Wet average was 7.40kg, Annual Herd Average 4.10kg, Maximum Peak Yield 18.6kg and Average Peak Yield was 10.1kg. A total of 30 animals (25 bull calves, 2 cow and 3 female calves/heifers) were distributed and sold to different gaushalas /farmers /developmental agencies during this financial year. The revenue generated in LRS Kodamdesar during 2021-22 was Rs. 1,09,64125/- by different sources like sale of milk, sale of animals, sale of manure etc.

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. A total of 26 animals (4 cow, 3 female calves and 19 male calves) were sold and distributed during the reporting year.

The income generated in the Sahiwal Cattle Breeding project during 2021-22 by different sources viz. sale of milk, sale of animals, sale of manure etc. was Rs. 53,39,784.00/-.

➤ 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 the reporting year a total of 148 animals (61 male and 87 female) were sold to different farmers/institute/NGOs.



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 369 out of which 225 were females and 144 were males of different age group. The total milk production during the year was 198416 Kg. which is significantly higher than previous year. The average cows in milk were 78.6 in the year, which is also higher to previous year. The highest milk production of 22070.5 kg was recorded in the month of March 2022. The overall wet Average was 6.93 Kg. and herd average was 4.56 Kg. The highest wet average 8.15 kg was recorded in the month of March 2022.

Total 124 cows were calved during 2021-2022. The average peak yield is 8.33 kg. Out of these, 25 cows attained peak yield as 15.00 kg or more than 15.00 kg. Milk per day presenting in the table no 5. The maximum peak yield 22.0 kg was recorded of Cow No. 854. The most of the cows attained peak yield between 15 days to 46 days after calving. The revenue generated from farm was Rs 98.66 lacs in the year 2021-2022. About 400 Officer/Scientist/Animal Breeder/Farmers visited at dairy unit of L.R.S. and 100 On Campus/Off Campus trainings were organized. A total of 30 germ plasm were supplied to various Government Departments, NGO's and Private Sectors in the reporting year.

Different Projects are running under this centre are

- Genetic Improvement of Tharparkar Cattle to be implemented in Jaisalmer (RKVY).
- 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 276 out of which 216 were females and 60 were males of different age group. The highest wet average 8.34 kg was recorded in the month of April-2021 and lowest 7.03 kg in the month of July 2021. The overall wet average was 7.71 kg and herd average was 4.12 kg. The Total milk production with Colostrum during the year was 1,23,226.5 Kg. Average Peak Yield was 13.97 kg. The income generated in the project during the year under report was 98.78 lacs. Milk production per lactation of Average Cows was 2290.3 (kg). The improved Germplasm total 29 were distributed to the Gaushala, Grampanchayats, NGOs and other development agencies. The progressive breeders take the female Rathi cows of higher genetic value.



6. Livestock Research Station Dag, Jhalawar (Malvi Breed)

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 571 out of which 401 were females and 170 were males of different age group. Av. Cows in milk were 80 and total milk production was 72,216.01kg.



The overall wet average was 2.43kg 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 85.50 lacs. Total 22 Male germplasm were distributed during 2021-2022.

7. Livestock Research Station Bojunda (Sirohi Goat)

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. Total Revenue Generated was Rs. 57.13628 lacs including sale of goats, goat milk. Fee from 50 AHDP students and farm section.



8. Livestock Research Station Vallabhnagar (Gir Breed)

Livestock Research Station Vallabhnagar 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 (RKVY).
- AICRP Sirohi field Unit (ICAR).
- Network project on buffalo improvement (ICAR)

The herd strength for the year under report was 171 out of which 119 were females and 52 were males of different age group. The overall wet average was 6.0 kg and herd average was 3.5 kg was recorded during the reporting year. The Total milk production during the year was 73650.0 Kg. Average Peak Yield was 10 kg. The income generated in the project during the year under report was 98.78 lacs. Milk production per lactation of Average Cows was 2290.3 (kg).



9. Livestock Research Station Dholpur (Sirohi Goat)

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.

Project running under this centre:

- Establishment of Goat Breeding Farm for Demonstration and Dissemination of Remunerative Goat Farming System as Multipurpose Goat Development Centre
- RKVY Project, Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases at PGI-VER, Jaipur.
- RKVY Project, Establishment of biosafety level-3 (BSL-3) facility for diagnosis of emerging Zoonotic disease.



State Plan Projects :

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

The work carried out by Apex Centre during 2020-21 has been distributed under the various subheads. Six disease outbreaks reported to Apex Centre in birds, poultry and cattle of which one was diagnosed as Avian botulism in migratory birds, other Hemorrhagic Septicemia in cattle, acidosis in cattle, one due to Botulism in cattle, one due to Marek's disease in poultry and one in poultry due to Newcastle disease.

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.



Disease Outbreaks Attended

S. No.	Date	Species affected	No. of deaths	Place	Diagnosis
1.	06.07.2021	Poultry	200	Pugal, Bikaner	Marek's disease
2.	03.11.2021	Cattle	2	Kota	Lumpy Skin disease
3.	13.11.2021	Cattle and Buffalo	7	Shobhasar, Bikaner	Mixed Infection of FMD and Pasturellosis
4.	17.11.2021	Kurjan Birds	18	Bilara, Jodhpur	Avian Influenza
5.	11.12.2021	Cattle	No death	LRS, Beechwal, Bikaner	Lumpy Skin disease
6.	11.12.2021	Goat	No death	LRS, Beechwal, Bikaner	Contagious Ecthyma
7.	20.01.2022	Sheep and Goat	10	Gadhwal, Bikaner	Peste-de-petis Ruminants (PPR).

A five days training programme on "Diagnosis of infectious diseases of livestock and poultry during outbreaks" was organised by the centre in collaboration with DHRD, RAJUVAS Bikaner sponsored by ICAR New Delhi to train the participants on how to attend an outbreak of disease and diagnose the diseases in animals.

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. Three Training were organized by the centre for Veterinary Officers and LSAs of Department of Animal Husbandry, Govt. of Rajasthan. Awareness campaign in different hospitals, PHCs, Clinics, veterinary hospitals, Labs and Institutions was done by distributing posters and pamphlets.



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

Organic certification process for land and animal at different centers of university was carried out by One cert International and Rajasthan State Organic Certification Agency during 2021-2022 and now the centres have certified as a organic Individual Producer for next year. List of the Centers for Information about Organic Certification are as follows:-

S. No.	Name of Centre	Livestock		Land (Ha.)	Certification Agency
		Type	Number		
1.	LRS, Beechwaal	Goat	120	103	One cert International
2.	LRS, Kodamdesar	-	-	65	Raj. State Organic Certification Agency
3.	LRS, Chandan	Goat	50	100	Raj. State Organic Certification Agency
4.	LRS, Vallabhnagar	Goat	39	25	Raj. State Organic Certification Agency
		Cow	25		
5.	LRS, Bojunda	Goat	347	15	Raj. State Organic Certification Agency
6.	MGDC, Sarmathura, Dholpur	Goat	151	25	Raj. State Organic Certification Agency
7.	PGIVER Farm, Kho-Nagorian, Jaipur	Goat	32	5.69	Raj. State Organic Certification Agency

4. Centre for Etheno 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 in year 2021-2022.

The centre is also working on Doctoral research programme for acaricidal solution for ticks and mites control and intramammary preparation for subclinical mastitis affected cows.



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. The NCFR Azolla, which could be a quality protein feed, was provided to 8 livestock owners and one Goshala for its multiplication and use at their animal farm for protein balancing in ration.

In respect with objective of formulation of least cost formulation (LCF), centre prepared total of 2050 kg mineral mixture and 7100 kg cattle feed at mineral mixture plant and cattle feed plant established at LRS Bikaner till 31.03.2022. This centre has prepared approx 5630 Sewan seedlings in nursery at LFRMTC field under the grassland development programme of the centre. The centre has provided more than 9,130 hybrid Napier cuttings to livestock owners, goshalas and progressive dairy farmers. As an extension output of the centre, quarterly Hindi bulletin "Pashu Aahar Evam Chara Bulletin" is released.

Cattle Feed Processing plants were established at five sites of RAJUVAS i.e. LRS, Kodamdesar; LRS, Bikaner; Malvi Cattle breeding farm, Dug, Jhalawar; PGVIER, Jaipur and LRS, Nohar and one Mineral Mixture plant, at LRS, Bikaner.



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

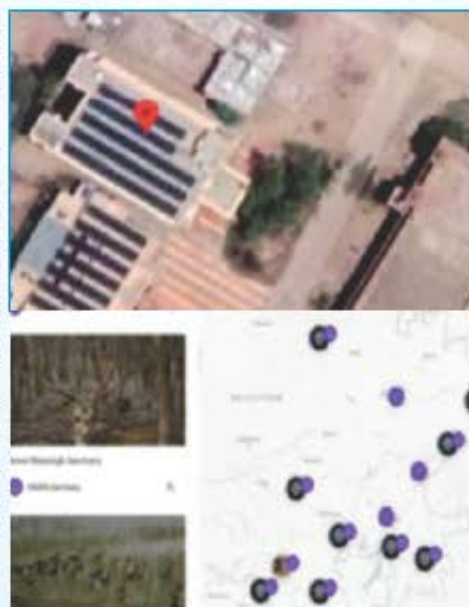
The main aim of establishing engineering and technology centre is to utilize the importance of engineering and technology in the field of veterinary and animal sciences.



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. The live and interactive courses are available through internet without any cost to the users. Centre has conducted 13 online courses and 5 workshops in this financial year 2021-22.

RAJUVAS Geo Portal is prepared under the 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 and Wildlife Sanctuaries of Rajasthan has been done. 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 and Wildlife Sanctuaries of Rajasthan has been done. During the reporting year Centre has coordinated 15 online course, 5 Online Certificate workshops and 6 Online Certificate workshops.



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.

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.



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 personal engaged in production of Veterinary Biological. During 2021-2022 two requests for examination of complete specifications were filed, 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. A total of 56 pre- & post-vaccination serum samples were collected from Bikaner city for the evaluating efficacy of FMD vaccine. Total 67 Internees were trained at 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 "दुग्ध उत्पादन एवं पशु प्रबंधन तकनीक".

A five days intra state training of Farmers & Livestock owners (Cafeteria Activity B-2B) under ATMA project Nagaur, Rajasthan was organized by this centre on 3rd to 7th January, 2022. Total 30 farmers and livestock owners from Nagaur district are participated in this training. Two day's training of Farmers under ATMA project was organized on 22nd to 23rd December, 2021. Mr. Shailendra Singh Shekhawat, Teaching Associate, Attended The Earthquake Disaster Management Mock Drill at Govt. Dungar College Bikaner on 11th November, 2021 which was jointly conducted by National Disaster Response Force Ajmer & District Administration Bikaner. In-Campus Training camps on 31st December, 2021 for National Service Scheme (NSS), Govt. Maharani Senior Secondary Girls School Bikaner was organized. The training was attended by 38 NSS Volunteer Students. Two online training programme were organized in the month of July, 2021.

Technologies Developed by centre

- ❖ Air Conditioned Wards for Heat Stroke and Burn Cases were developed
- at A Fire-Proof Cattle Shed was developed to prevent fire Incidents in the dairy animals



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, Jaisalmer etc. Seminar and Awareness Program were organized for: Veterinarians and Para-vets and Para-Medicos, Animal NGO-workers, Livestock owners/farmers etc.

An international webinar on "Covid-19: Where do we go from here to deal Zoonoses" Organized on Role of RKVY World Zoonoses day, 2021, a National Webinar on "in improving the productivity in livestock sector with reference to the Rajasthan", One day hands on training was organized in the reported year. Free Anti Rabies Camp was organized on 28.09.2021. Training of Twenty Veterinary officers under ASCAD program on animal diseases diagnosis and control and also one day hands on training for twenty five Veterinary Officer on zoonotic disease diagnosis at field level were successfully conducted.



2. Capacity Building of Secretaries of the Milk societies and laboratory Personnel of Rajasthan Cooperative Dairy Federation (RCDF) for Clean Milk production, Milk Quality and Safety

Total 9 trainings were imparted to the secretaries of the milk societies and laboratory Personnel of Rajasthan Cooperative Dairy Federation (RCDF) for Clean Milk Production, Milk Quality and Safety. Total numbers of registered trainees benefited till date are 287.

3. Establishment of Poultry Germplasm Multiplication Unit for Indigenous Poultry

Civil works for establishment of germplasm multiplication unit completed and handed over by Director works by March 2022

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

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. Layout designing of BSL-3 lab is under process.

5. RKVY project for "Farmers Training and Hostel Facility"

The Project was sanctioned during financial year 2021-22 and the first instalment of Rs. 35.00 Lac (20.00+15.00) was issued under this project.

6. Optimizing the reproductive potential of Cows and Buffaloes of southern Rajasthan through on campus training of Government/ Private Para-vets.

7. Strengthening of Residential Accommodation at Post Graduate Institute of Veterinary Education & Farm Practices of Veterinary & Animal Science Students.

8. Establishment of cattle feed processing units at various Livestock farms of the University

Five Cattle Feed Processing plants were established at five sites i.e. Livestock research station, Kodamdesar; Livestock research station, Bikaner; Malvi Cattle breeding farm, Dug, Jhalawar; PGVIER, Jaipur and Livestock research station, Nohar.

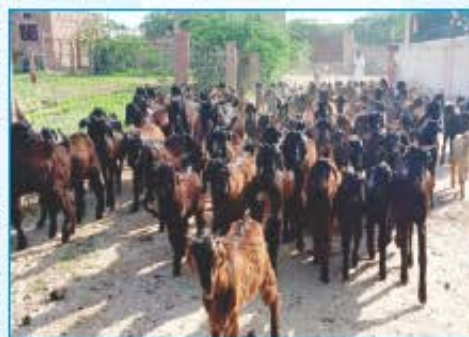


ICAR Projects :

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. This year three training were organized. The registered goat breeders were provided preventive and curative health coverage

The population growth was 88.50 % for all the clusters of this unit during this financial year. The overall body weights at different stages of growth were 2.59+1.073 at birth, 8.30+2.244 at 3 month, 14.11+1.727 at 6 month, 18.38+1.408 at 9 month and 23.59+0.215 at 12 month of age. The body weight at birth was improved by 16.08 % over the baseline performance (2.257 kg). A field unit of Marwari goat and Buck Rearing Center is functioning as a part of AICRP goat improvement project.



2. AICRP on Genetic Improvement of Sirohi Goats in Farmers' Flocks at LRS, Vallabhnagar, 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, 1421 kids were born out of which 727 were males. Total 404 males and 653 females were sold out of which maximum 114 males were sold from adult age group. The closing balance of the registered flock was 3247 animals including 1876 adult females. During report period 6864 animals were dewormed, and 8495 treated to control ecto-parasite. Further, 3157 and 1720 animals were vaccinated for ET & PPR, respectively. The overall mortality was 3.68%.



3. Network Project on Buffalo (Surti) Improvement at Livestock Research Station, Vallabhnagar, 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.): 24,49,285

4. Mega Sheep Seed Project (Sonadi) at Livestock Research Station, Vallabhnagar, 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 66 (63 Free & 03 Sold) breeding rams were disseminated in field for breed improvement. 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 2021, a sum of total 44456/- Rs. revenue was generated.



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

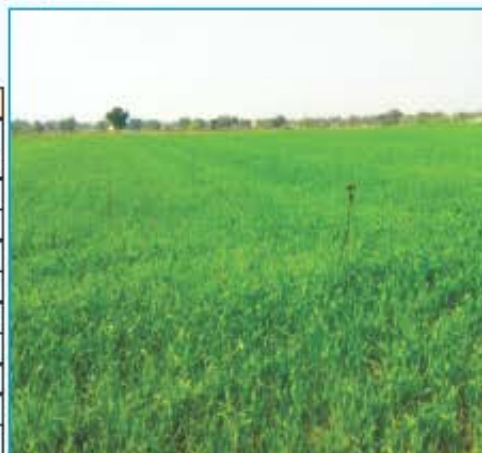
Revolving Fund Project

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

The production performance of this unit is presented in Table.

Seed and Grain production during financial year 2021-22

S. No.	Particulars	Production (Qtl.)
1	Green fodder	7183.30 (2730.10 Qtl . sold tom LRS Bikaner)
2	Dry Fodder	Groundnut Fodder
		395.40
		Wheat straw
		250.00
		Gram/Moong/Guar Fodder
		20.00+77.50+79.26=176.76
	Total	822.16
3	Groundnut	94.65
4	Wheat Grain	141.15
5	Gram	11.58
6	Moong	7.78
7	Guar	33.524



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.



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.

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.



Patent on Bio-waste decomposer- final application has been filed

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 Paneer, Lassi, ghee, skimmed milk were prepared and sold. Revenue generation from the sale of various milk products like paneer, lassi, ghee and skimmed milk during the year 2021-22 was Rs.13,91,329/-.



Name of Product	Amount sold	Income (Rs.)
Paneer	2927 pkt.	2,04,890
Lassi	22172 lit.	2,21,720
Ghee	1021.5 lit.	7,29,450
Skimmed milk	24927.3 lit.	2,35,269

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.



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

Fodder Produced At Farms: Rezika and Oat were for animals in month of April 2021, Rezika Bajara was produced from May 2021 to October 2021, and then Mustard and Rizka were produced in December 2021. From January 2022 to March 2022, Rizka was produced for animals as green fodder. Animals were allowed to graze daily from August 2021 to January 2022.



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



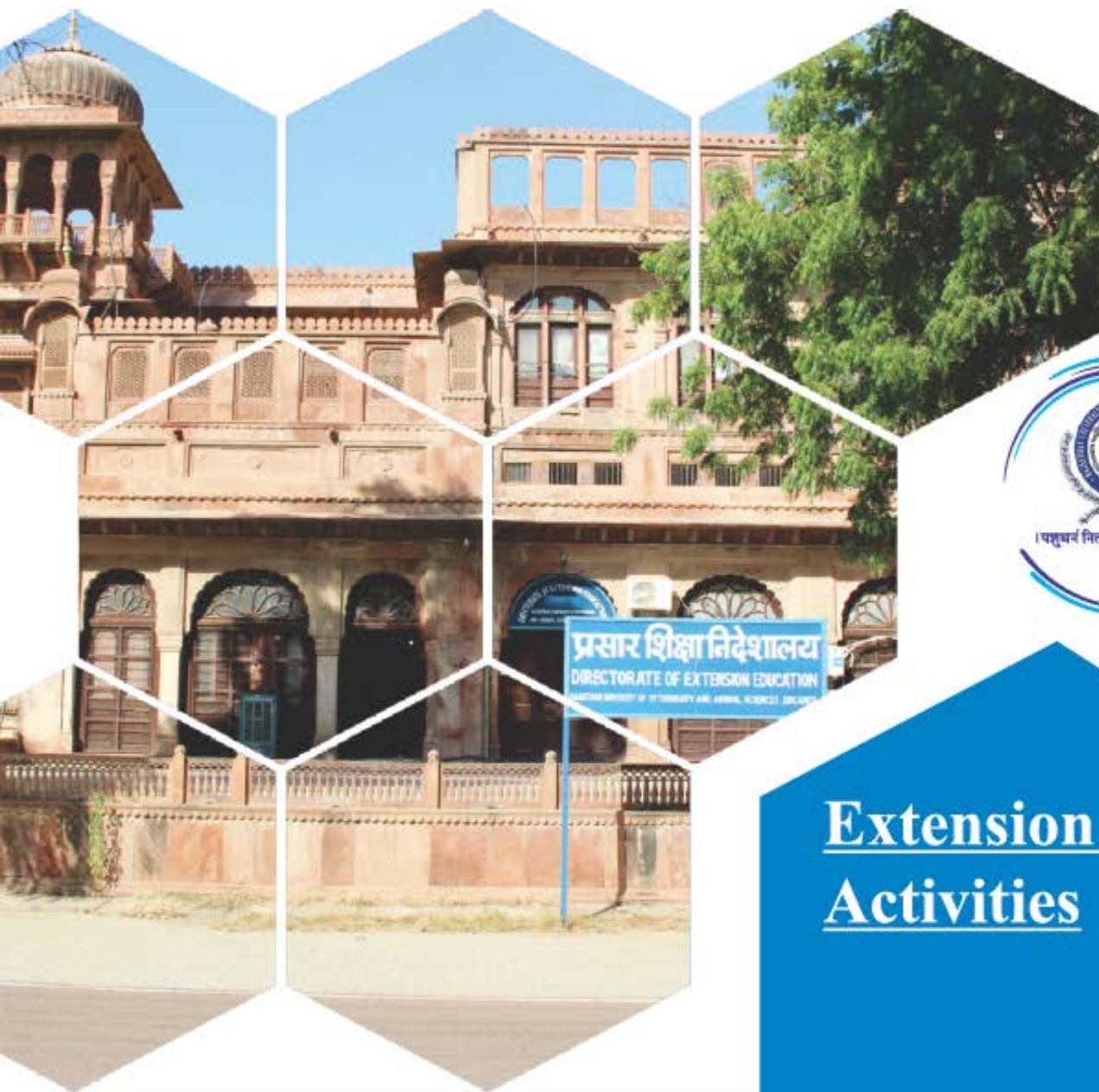
10. Income generation through Farming activities at Livestock Research Station, Bojunda, Chittorgarh

- Fodder and seed production (Revolving Fund Project).
- Development and conservation of Sirohi goat (Revolving Fund Project).



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

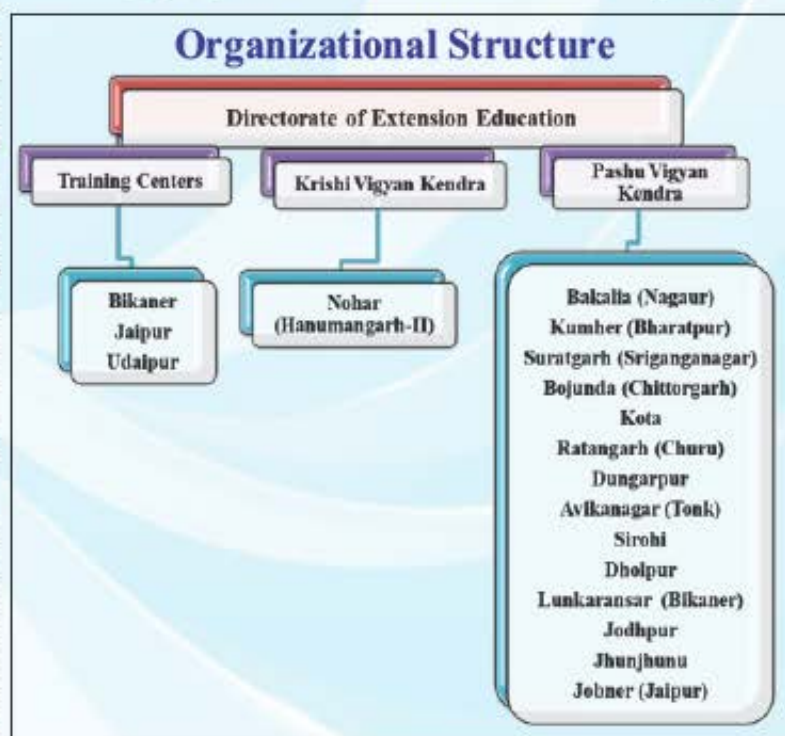
- To formulate and impart in-service training to different categories of officers and functionaries from line departments of Government of Rajasthan and Non-Government Organizations.
- To conduct short and long duration vocational trainings for farmers, farm women, youth and school dropouts of the State.
- 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

- Pashu Vigyan 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 and Jobner (Jaipur). The buildings of Jalore and Jhalawar are under construction.
- A Krishi Vigyan Kendra (KVK) at Nohar (Hanumangarh-II) has been established and functional.
- Radio Programme "*Dhine Re Batyaa*" for livestock farmers from 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.
- DEE regularly organizes e-Pashupalak choupal for benefit of farming community.
- Animal treatment camps on infertility are organizing regularly.
- DEE is regularly bringing out monthly publication "Pashu Palan Naye Aayam".
- 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.

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 age is of the Director Extension Education, one Krishi Vigyan Kendra, Nohar and 15 Pashu Vigyan Kendras are working in different districts of Rajasthan. 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, kisan mela, kisan gosthi, 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. PVKs imparting skill based trainings for strengthening the entrepreneurial activities in the rural areas. 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

Pashu Vigyan Kendra at Bakalia (Nagaur), Suratgarh (Sriganganagar), Kumher (Bharatpur), Bojunda (Chittorgarh), Ratangarh (Churu), Avikanagar (Tonk), Dungarpur, Sirohi, Kota, Dholpur, Lunkaransar (Bikaner), Jodhpur, Jhunjhunu and Jobner has become operational. The construction of building of Jalore is almost completed and building of Jhalawar is under construction.



1. Organization of training programmes

(I) Training Programmes by Directorate of Extension Education

Directorate of Extension Education organized 11 trainings under Agricultural Technology Management Agency (ATMA). Total 330 farmers were participated and benefitted.

S. No.	Name of Activities	No. of Activity	Participants								Total
			Male				Female				
			SC	ST	Others	Total	SC	ST	Others	Total	
1	ATMA Trainings	11	90	0	240	330	0	0	0	0	330



(I) Training Programmes by KVK, Nohar

Total 49 training programmes were organized by KVK Nohar to the farmers on all aspects of agriculture, horticulture, home science and animal husbandry and 1519 farmers participated among which 1297 were males and 222 were females.

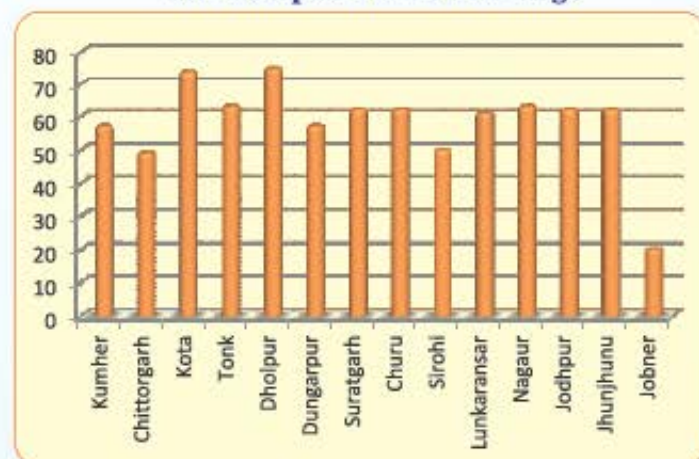
(ii) Training Programmes by Pashu Vigyan Kendras

Total 817 off-campus and 153 on-campus trainings were organized by Pashu Vigyan Kendras and 26,500 farmers were participated and benefitted. University is organizing training programmes via digital mode also.

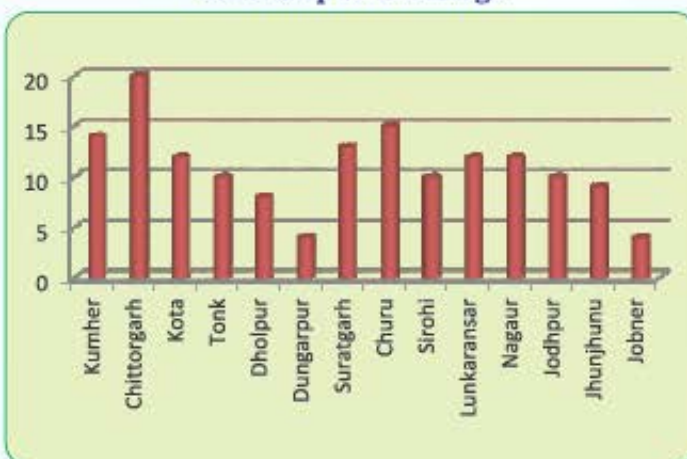
Technical Achievements

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	817	2980	955	16463	20398	356	155	1044	1555	21953
2	On Campus Trainings	153	1891	34	1187	3112	982	18	435	1435	4547
3	Transfer of Technology/ Demonstration	170	611	52	1137	1800	345	25	95	465	2265
4	Laboratory Diagnosis										
	Blood Sample	154	29	2	104	135	1	0	6	7	142
	Faecal Sample	756	147	23	437	607	3	2	10	15	622
	Urine Sample	154	27	0	101	128	5	0	8	13	141
	Milk Sample	1225	214	31	748	993	24	6	46	76	1069
	Skin Scrapping	47	9	0	35	44	1	0	2	3	47
5	Vichar Gosthi	180	515	67	1403	1985	349	116	179	6444	2629
6	Farmer-Scientist Interaction	100	193	45	823	1061	187	38	105	330	1391
7	Awareness camps in school/college/ panchayat etc. regarding Veterinary Profession	178	677	69	3657	4403	449	73	1216	1738	6141
	COVID-19 Awareness Programme	157	479	150	2709	3338	27	223	569	819	4157
8	Development of region wise specific mineral mixture	0	0	0	0	0	0	0	0	0	0
9	Field visit to provide Veterinary consultancy services	133	74	19	335	428	36	11	50	97	525
10	Pashu Mela/Kisan Mela	0	0	0	0	0	0	0	0	0	0
11	Review (Feedback) of Livestock Farmers	127	84	6	156	246	29	1	11	41	287

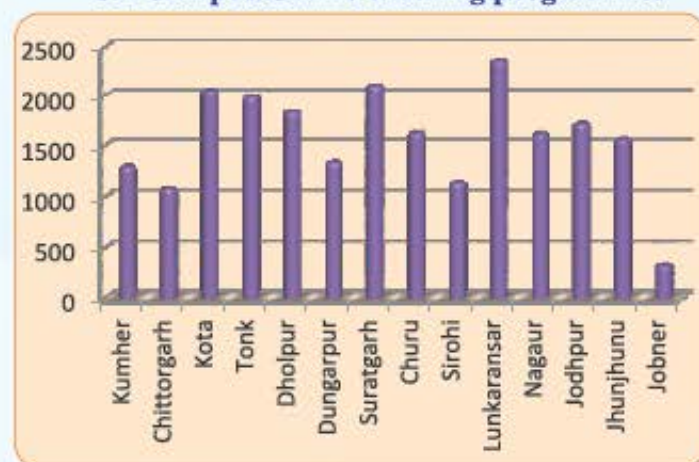
Off Campus/Online Trainings



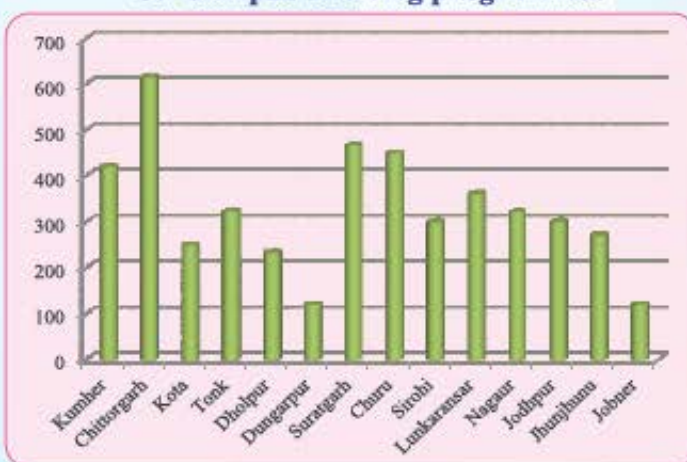
On Campus Trainings



Participants Benefitted by Off Campus/Online Training programmes



Participants Benefitted by On Campus Training programmes

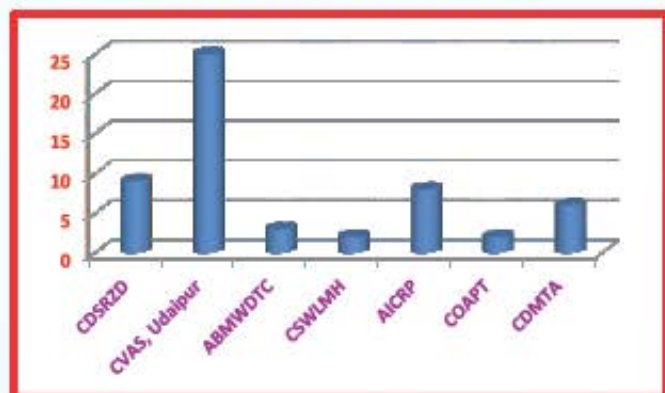


(iv) Training programmes organized by other Centers of RAJUVAS

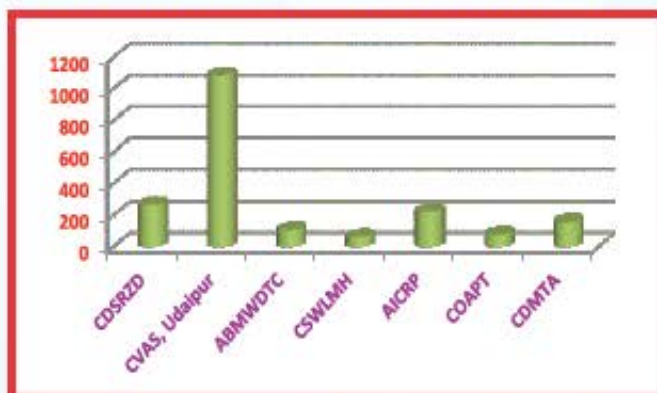
A total of 55 trainings were organized by various CVAS, Navania, state plan centres and Livestock Research Station, Bikaner in year. Total 1972 participants benefitted.

Centre/Scheme/Project	No. of Trainings	Participants		Total
		Male	Female	
Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases, PGIVER, Jaipur	9	201	63	264
College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur	25	657	428	1085
Animal Biomedical Waste Disposal Technology Centre, RAJUVAS, Bikaner	3	98	8	106
Centre for Studies on Wild Life Management & Health, RAJUVAS, Bikaner	2	52	11	63
AICRP on Goat Improvement, Livestock Research Station, Vallabh Nagar, Navania, Udaipur	8	139	84	223
Centre For Organic Animal Production Technology, Bikaner RAJUVAS, Bikaner	2	75	-	75
Center for Disaster Management Technology for Animals, RAJUVAS, Bikaner	6	156	-	156
Total	55	1378	594	1972

Training programmes organized by other Centers of RAJUVAS



Participants Benefitted by Training programmes organized by other Centers of RAJUVAS

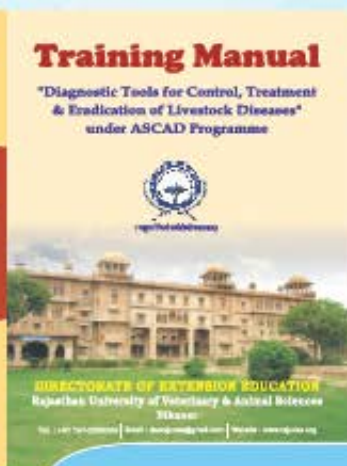
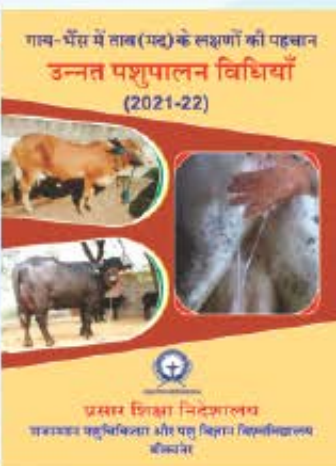
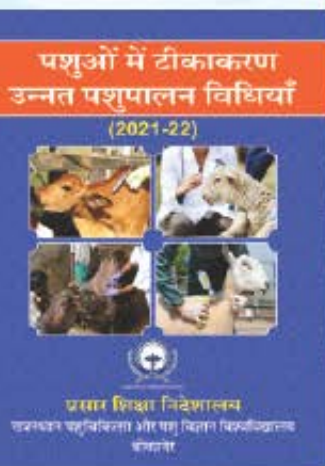
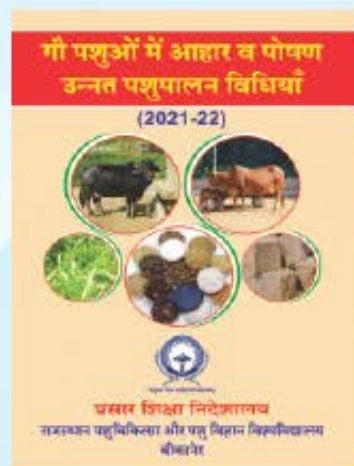
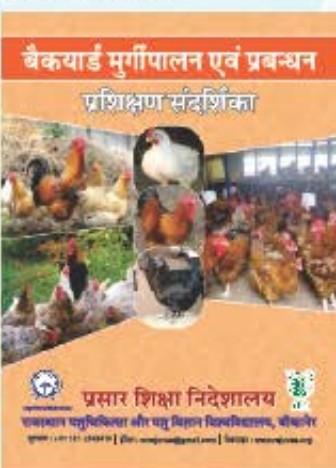
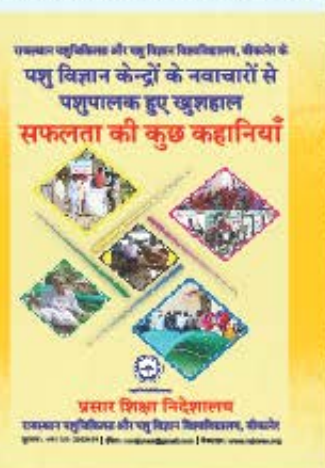
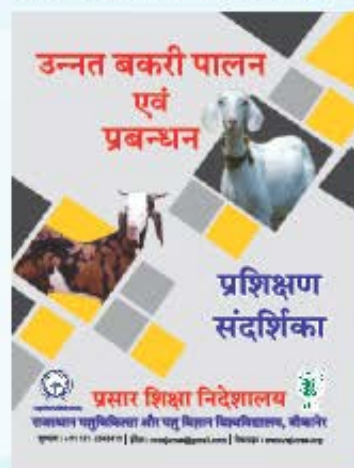


2. Disease Diagnosis Facilities

To provide services for animal disease diagnosis and treatment, testing of feed & fodder as well as animal products Lab facilities was established at all Pashu Vigyan Kendras. Total 2336 samples of blood, faecal, urine, milk and skin scrapings were analysed and 2131 farmers were benefitted during the year.

3. Publications of Directorate of Extension Education

Directorate of Extension Education is regularly publishing Pashu Palan Naye Aayaam, "a monthly bulletin and training manuals and other bulletins. In addition to this, important news of animal husbandry and agriculture sector, disease fore-casting and schedule of broadcast of "Dhine Re Batya" on AIR is also given. Two ASCAD training manual, Unnat Pashu Palan-Javaik Pashu Palan, and scientific animal husbandry and management were published.



4. Exhibitions

One exhibition was organized by Pashu Vigyan Kendra, Kota at Veterinary Polyclinic, Kota during 22nd February, 2022 and Progressive Farmers' Training Programme (in collaboration with Animal Husbandry Department, Kota), respectively.



S. No.	Name of Activities	No. of Activity	Participants								Total
			Male				Female				
			SC	ST	Others	Total	SC	ST	Others	Total	
1	Pashu Vigyan Kendra Exhibition at Veterinary Polyclinic, Kota	01	11	9	32	52	08	08	19	35	87

5. Organization of 8th Scientific Advisory Committee Meeting

8th Scientific Advisory Committee Meeting of KVK, Nohar, was organized under the Chairmanship of Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner on 25th October, 2021. Prof. R.K. Dhuria, Director Extension Education, Prof. R.P.S. Chouhan, Regional Director Research, Sriganganagar, Sh. Balveer Khati, Deputy Director ATMA, Hanumangarh, Dr. H.S. Meena, PS, ATARI, Jodhpur with many officials and progressive farmers were present during the meeting.



6. Activities under Mera Gaon Mera Gaurav

In year 2021-2022 Under "Mera Gaon Mera Gaurav 33 teams of multidisciplinary scientists, have adopted 143 villages. Teams have conducted 26 visits to villages, 17 interface meetings, 10 demonstrations related to animal husbandry and 104 training programmes covering animal nutrition, breeding, health care and reproduction, 1831 mobile based advisories, 693 literature supports provided and 180 general awareness created aspects in adopted villages. Total 2861 Activities were Conducted in which total 16610 farmers and livestock owners were benefitted.



S. No.	Activity Name	No. of Activities Conducted	No. of Farmers Participated/Benefitted
1	Visit to village by teams	26	1021
2	Interface meeting/ <i>Gosthies</i>	17	445
3	Trainings conducted	104	415
4	Demonstrations conducted	10	14
5	Mobile based advisories (No.)	1831	7840
6	Literature support provided	693	5530
7	General Awareness created	180	1345
	Total	2861	16610

7. "Dhine Re Batya" Radio Programme

In 2021-22, total 10 programmes of "Dhine Re Batya" were broadcasted through 17 Aakashwani Kendra of Rajasthan for half an hour 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 2021-22 total 10 programmes of "Dhine Re Batya" were broadcasted through 17 Aakashwani Kendra of Rajasthan.

S. No.	Radio Talk	Topics	Date
1	Dr. Pratistha Sharma	Key points to keep in mind during treatment of animal	15-04-2021
2	Dr. Narendra Singh Rathore	Major diseases of sheep and goat and their vaccinations	20-05-2021
3	Dr. Manisha Mehra	Diseases of Animals during rainy season and their prevention	15-06-2021
4	Prof. R.K. Dhuria	Role of Pashu Vigyan Kendra in Animal Husbandry Extension activities in state	15-07-2021
5	Dr. Rajni Joshi	How to manage newborn calves	19-08-2021
6	Prof. Rahul Pal Singh	Scientific management of animals in changing seasonal environment	16-09-2021
7	Prof. Hemant Dhadhich	Indigenous cattle as base for economic development of livestock owners	21-10-2021
8	Dr. Devi Singh Rajpoot	Importance of information collected from livestock owners and farmers	18-11-2021
9	Dr. Vijay Kumar Bishnoi	Dairy Farming-An Industry	16-12-2021
10	Dr. Neeraj Sharma	Foot and mouth disease causes, prevention and treatment	20-01-2022
11	Dr. Ashok Kumar	Problems during pregnancy in animals and their diagnosis	17-02-2022
12	Dr. Manohar Sain	Zoonotic diseases and their preventive measures	17-03-2022

8. New Initiatives

(i) Announcement of New Pashu Vigyan Kendra at Jobner (Jaipur)

The State Government has given administrative and financial approval for the posts and establishment of new Pashu Vigyan Kendra of RAJUVAS at Jobner (Jaipur) by an administrative order on 17th May 2021.

(ii) Initiation of Online Farmer Skill Development Abhiyan

A new programme for skill development of livestock owners under the Online Pashu Paalak Kaushal Vikaas Prashikshan Abhiyaan from 17th May 2021. This online skill development training campaign would be run in a series manner by all the Pashu Vigyan Kendras located in different districts of the state so that animal owners could develop their skills and increase their income by adopting them as self-employment.



पशु प्रजनन प्रबंधन
गौपालन एवं प्रबंधन
अश्व पालन एवं प्रबंधन
चकरी पालन एवं प्रबंधन
मछली पालन एवं प्रबंधन
चकरी पालन एवं प्रबंधन
खुककुट पालन एवं प्रबंधन
गाय/धैस का आहार प्रबंधन
गाय/धैस का स्वास्थ्य प्रबंधन
गाय/धैस प्रजनन एवं नस्ल सुधार
स्वस्थ दुग्ध उत्पादन और प्रसंस्करण

(iii) Inauguration of buildings of Five Pashu Vigyan Kendras

Shri Kalraj Mishra, Hon'ble Governor and Chancellor, Rajbhawan, Jaipur and Shri Ashok Gahlot, Chief Minister, Government of Rajasthan laid the foundation stone of CVAS, Jodhpur and inaugurated the building of 5 Pashu Vigyan Kendras located at different districts of Rajasthan through online mode on 10th June, 2021.



(iv) RAJUVAS e-Pashupalak Choupal

Sixteen online RAJUVAS e-Pashupalak Choupals were organized for the livestock owners of the state to provide online guidance and suggestion to the farmers. Dr. Artabandhu Sahoo, Director ICAR-NRCC, Prof. Tribhuwan Sharma, Director, DHRD, RAJUVAS, Bikaner, Dr. S.C. Mehta, Principal Scientist, NRCC, Prof. Girish Narayan Mathur, Former Chief Scientist and President, Krishi Vigyan Kendra, Tabiji, Ajmer, Dr. Pradeep Kumar Kapoor, Principal, Khalsa College of Veterinary and Animal Sciences (KCVAS), Prof. Tarun Kumar Gahlot, Former Director Clinics, RAJUVAS, Bikaner, Prof. Atul Saxena, DUVASU, Prof. Rajesh Katoch, SKUAST, Jammu, Dr. Pramod Kumar Singh, Former Principal Scientist, National Bureau of Animal Genetics, Karnal, Haryana, Dr. Rakesh Kumar Sawal, Principal Scientist, NRCC, Bikaner, Dr. B. Rai, Director, CIRG-ICAR, Makhum, UP, Dr. Ashok Kumar, Principal Scientist-ICAR, UP, Prof. S.K. Gupta, Director Extension Education, Sher-e-Kashmir University of Agriculture Sciences & Technology, Jammu, Dr. Narayan Dutta Principal Scientist, IVRI-ICAR, Izatnagar, UP gave expert advice to farmers on various topics related to animals. Vice-Chancellor Prof. Satish Garg also interacted during the Choupal. The e-Pashupalak Choupals were broadcasted live on official facebook page of RAJUVAS and DEE, Bikaner.



(v) Farmers Advisory through Whatsapp Groups

Pashu Vigyan Kendras located in various districts of Rajasthan initiated a unique programme by creation of Whatsapp Groups for providing livestock advisory to the farmers in Corona pandemic. A total of 132 Whatsapp groups were created and 15646 farmers were added and benefitted.

(vi) Intensive Plantation Drive on Independence Day

An intensive plantation drive was organized at all PVKs situated in different districts and KVK, Nohar (Hanumangarh-II). Around 506 saplings of different species were planted in various PVK and KVK, Nohar (Hanumangarh-II).



(vii) Kisan and Pashupalak Mela

Directorate of Extension Education, RAJUVAS, Bikaner organized one day Kisan and Pashupalak Mela at University campus on 24th December, 2021. Sh. Govind Ram Meghwal Hon'ble Cabinet Minister of Disaster Management and Relief Department, Govt of Rajasthan was Chief Guest, Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner presided over the function, Prof. A.K. Gahlot, Founder and former Vice-Chancellor, RAJUVAS, Bikaner was the Special Guest. ICAR Institutes like NRCC, CSWRI, NRCE, CAZRI, CIAH, SKRAU, Modi Dairy, IFFCO, Vishwas Seeds, URMUL Dairy, URMUL Setu, NABARD and other line departments displayed their schemes and products in the fair. Farmers from nine blocks visited the mela in collaboration of Project Director, ATMA, Bikaner. This fair was broadcasted live on the website of the university, which was seen and heard by thousands of people sitting at home. On this occasion, a Vichar Goshti was also organized for the livestock owners and farmers.



(viii) District Green Champion Award of MGNCRE to RAJUVAS, Bikaner

Rajasthan University of Veterinary and Animal Sciences, Bikaner has been awarded with 'District Green Champion Award' by Mahatma Gandhi National Council of Rural Education under the Department of Higher Education, Government of India in online workshop organized at District Collectorate Office on 21st August, 2021. District Collector Sh. Namit Mehta presented award to Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner.

(ix) Participation in the State Level Convention of Shri Rajasthan Goseva Samiti

State Level Convention of Rajasthan Goseva Samiti held at Shri Manorama Golok Teerth Nandgaon in the presence of Go Rishi Swami Sh. Dattasharanand Ji Maharaj under the Chairmanship of Pujya Sh. Dinesh Giri Ji Maharaj on 21st-22nd September, 2021.



(x) Foundation Stone Laying Ceremony of Pashu Vigyan Kendra, Jobner by Hon'ble Minister of Agriculture and Animal Husbandry

Hon'ble Agriculture and Animal Husbandry Minister Sh. Lalchand Kataria laid the foundation stone of the 16th Pashu Vigyan Kendra, Jobner (Jaipur) of the Veterinary University on 19th January, 2022.



(xi) Training of Scientists on Processing of Cow Dung and Urine

Rajasthan University of Veterinary and Animal Sciences, Bikaner organized one day training on 26th February, 2022 in collaboration with Rajasthan Gau Seva Parishad, Bikaner. Officer Incharges and Teaching Associates, Pashu Vigyan Kendra participated in the program. former Vice-Chancellor, RAJUVAS, Bikaner, Prof. A.K. Gehlot said that processing of cow dung and urine is a simple technique and cattle farmers will be able to earn profit by setting up such units in their homes or farms.



(xii) Training on Backyard Poultry Farming

A two days on-campus training programme for skill development of farmers on backyard poultry farming was organized by Directorate of Extension Education, RAJUVAS, Bikaner in coordination with Agricultural Technology Management Agency, Department of Agriculture, Bikaner from 8th-9th March, 2022.

(xiii) Training of 100 Veterinarians on Diagnostic Techniques under ASCAD

Three five-days training programmes were organized for field veterinarians from 1st-5th, 6th-10th and 11th-15th March, 2022 under the joint aegis of Directorate of Extension Education, RAJUVAS, Bikaner and Department of Animal Husbandry, Government of Rajasthan under ASCAD Scheme. About 60 Veterinarians from the various districts of Rajasthan participated in the ASCAD trainings.



9. Vice-Chancellor's Visit at Pashu Vigyan Kendras

Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner visited various Pashu Vigyan Kendra to see the activities and functioning of PVKs. He visited PVK, Jobner on 20th August, 2021, PVK, Jodhpur on 27th August and 21st September, 2021, PVK Sirohi on 21st September, 2021, PVK Bojunda, Chittorgarh on 10th October, 2021, PVK Avikanagar, Tonk on 20th November, 2021, PVK Lunkaransar, Bikaner on 22nd February, 2022.



10 Activities under University Social Responsibility

RAJUVAS, Bikaner has two adopted villages Garhwala and Jaimalsar and conducted different activities in adopted villages of university.

(i) Corona Vaccination Awareness Campaign

Corona Vaccination Awareness Campaign was organized in collaboration with the Gram Panchayat at villages Garhwala on 29th April, 2021 and at villages Jaimalsar on 30th April, 2021. Necessary information related to Corona vaccination was made available to the villagers through the three types of pamphlet entitled "Simple Steps to Reduce the Risk of Corona Virus Infection", "Save You, Save Your Family" and "Corona Vaccination Awareness Campaign".

(ii) Ayurvedic Health Camp

An Ayurvedic Health Camp was organized by Veterinary University in co-ordinations with Department of Ayurveda, GoR, Bikaner at Garhwala on 28th May, 2021 and at Jaimalsar on 31st May, 2021. In this camp, Ayurvedic Kaadha and Mask were distributed door-to-door to more than 500 villagers to boost up the immunity against COVID-19 and seasonal infections.

(iii) Water Conservation Gosthi

The Water Conservation Gosthi was organized in collaboration with Public Health and Engineering Department, Bikaner on 22nd June, 2021 at village Garhwala and on 23rd June, 2021 at village Jaimalsar. Sunil Kumar, Assistant engineer, PHED to made aware the villagers about Jal Jeevan Mission and various schemes of PHED Department.



(iv) Plantation Drive

The plantation drive was organized by Directorate of Extension Education, RAJUVAS Bikaner at adopted village Garhwala on 29th July, 2021 and Jaimalsar on 30th July, 2021. Total 501 saplings of *Shisham*, *Gulmohar* and *Bacain* were distributed.

(v) Computer Literacy Programme

The On-line computer literacy programme was organized by Directorate of Extension Education, RAJUVAS Bikaner for school students of adopted village Jaimalsar on 24th August, 2021 and Garhwala from 26th-28th August, 2021. Dr Neeraj Kumar Sharma, Coordinator, University Social Responsibility organized this programme. Thirty-five students of Class X to XII participated in this online programme. The Basic knowledge of Computer, Internet, Google, G-mail, M.S. Word etc., was given to the students.

(vi) Skill Development Gosthi

A Skill Development Gosthi was organized by Directorate of Extension Education, RAJUVAS Bikaner at adopted village Jaimalsar on 29th September, 2021.



(vii) Cleanliness Drive

A Cleanliness drive was organized by National Service Scheme unit, CVAS, Bikaner at Garhwala village under University Social Responsibility on 27th October, 2021 and at Jaimalsar on 22nd October, 2021. Thirty-Five Volunteers of NSS actively participated in this drive. On this occasion villagers were motivated and made aware about hygienic measures.

(viii) Medical Health Camp

A health cum COVID-19 vaccination camp was organized on 31st December, 2021 at adopted village Garhwala under University Social Responsibility by Directorate of Extension Education, RAJUVAS, Bikaner in coordination with Deptt. of Medical, Health and Family Welfare, Bikaner.



(ix) Skill Development Training on "Vaigyanik Pashupalan Evum Prabandhan"

A two days institutional training programme for skill development of farmers on "Vaigyanik Pashupalan Evum Prabandhan" was organized on 18th-19th January, 2022. Total 30 livestock owners of adopted village Garhwala were participated in the training programme.

(x) Skill Development Training on "Laghu Kukkut Palan"

A two days off-campus training programme for skill development of farmers on "Laghu Kukkut Palan" was organized by in collaboration with ATMA, Deptt. of Agriculture, Bikaner from 17th-18th February, 2022. Various scientists delivered lectures on economic importance of poultry farming, feeding management, vaccination, deworming, housing and general management, etc.

(xi) Swachhta Gosthi

A *Swachhta Gosthi* was organised on 28th February, 2022 in Govt. Praveshika Sanskrit vidyalaya at adopted village Garhwala under University Social Responsibility.



(xii) Skill Development Training on "Unnat Bakri Palan Evum Prabandhan"

Three (3) Training programmes for skill development of farmers on "Unnat Bakri Palan Evum Prabandhan" were organized in collaboration with Deputy Director Agriculture cum Project Director (ATMA), Deptt. of Agriculture, Bikaner from 20th-21st October, 2021, 15th-16th December, 2021 & 24th-25th February, 2022 at adopted village Garhwala. Total 90 livestock owners of adopted village participated in the training programme. The training on "Unnat Bakri Palan Evum Prabandhan" was organized from 22nd-23rd October, 2021 at adopted village Jaimalsar. Total 30 livestock owners of adopted village participated in the training programme.

(xiii) Distribution of Demonstration Unit to Goat Keepers

Fifty Demonstration Units (Feed Manger) were distributed to goat keepers of USR adopted village Garhwala in collaboration with Deputy Director Agriculture cum Project Director (ATMA), Deptt. of Agriculture, Bikaner on 28th March, 2022. Each demonstration unit was costing of Rs. 4000/- and thus Rs. 2.0 Lakhs were spent on distribution of these demonstration units.

(xiv) Skill Development of Women on Sewing under Pradhan Mantri Kaushal Vikas Yojna

Five-month duration training programme on sewing was organized at university adopted village Garhwala in collaboration with a NGO Jan Shikshan Sansthaan, Bikaner under Pradhan Mantri Kaushal Vikas Yojna from 01.11.2021 to 31.03.2022 at this centre. This enabled rural women to become self-reliant as well as entitled to self-respect. Total 20 women and girls were participated in this training programme.

(xv) Senior Citizen Gosthi

A Senior Citizen Gosthi was organized on 29th November, 2021 at adopted village Jaimalsar under University Social Responsibility. Senior citizens and villagers were made aware about the various schemes of Central and State Government for welfare of senior citizens.



11. Activities under Social Development and Participation Cell

(i) Webinar on Corona and Vaccination Awareness

A webinar on the topic "Don't hesitate: Vaccinate under Corona Vaccination Awareness programmes" was organized by Social Development and Participation Cell of the University on 8th May, 2021. Keynote Senior Professor S.P. Medical College, Bikaner speaker Dr. Sanjay Kochhar discussed on various aspects of corona outbreak, symptoms of infection, preventive measures, benefits of corona vaccination, etc.

(ii) Interaction on New Education Policy "Veterinary Education: Prospects and Possibilities"

To commemorate the completion of eleven years of the establishment of the Veterinary University, an online discussion was organized by Social Development and Participation Cell, RAJUVAS, Bikaner on 18th May, 2021, on the topic "New Education Policy, Veterinary Education: Scenario and Possibilities".

(iii) A Webinar on Combat Stress with Positivity under Social Development and Participation Cell, RAJUVAS, Bikaner

A webinar was organized on Combat Stress with Positivity by Social Development and Participation Cell, RAJUVAS, Bikaner on 2nd June, 2021

Financial Progress (2021-22)

(Rs. in Lac)

S. No	Title	Subhead	Salary	TA	Medical	Liveries	Recurring	Non Recurring	Gross Total
1.	DEE SP 18 (G)	Allocation	36.08	0.05	-	-	15.00	-	51.13
		Expenditure	35.97	NIL	-	-	15.00	-	50.97
	DEE SP 18 (S)	Allocation	-	-	-	-	-	-	-
		Expenditure	-	-	-	-	-	-	-
2.	KVK/ ICAR	Allocation	38.56	-	-	-	15.71	-	54.27
		Expenditure	15.38	-	-	-	12.47	-	27.85
3.	PVK SP 25 (G)	Allocation	-	-	-	-	25.00	-	25.00
		Expenditure	-	-	-	-	22.00	-	22.00
	PVK SP 25 (S)	Allocation	240.00	2.00	-	-	86.80	-	328.80
		Expenditure	238.81	1.10	-	-	86.80	-	326.71





Human Resource Development

Introduction

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

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

S.No.	Title	Date	No. of Participate	Location/Department Name
01	Diagnosis of animal disease using conventional and molecular diagnostic methods	21.03.2022 to 25.03.2022	20 students of schedule cast community	Department of Veterinary Microbiology CVAS, Navania, Udaipur, Rajasthan
02	Diagnosis of Infection Diseases of Livestock and Poultry during Outbreaks	22.03.2022 to 26.03.2022	30 students of schedule cast community	APEX Centre for Animal Disease Investigation Monitoring and Surveillance, CVAS, Bikaner

Organization of Add-on Courses

S.No.	Title	Date	No. of Participate	Location/Department Name
01	Wildlife Care and Management	27.07.2021. to 20.11.2021	24 students of schedule cast community	Centre for Studies on Wildlife Management and Health", RAJUVAS, Bikaner
02	Pet Animal Dentistry	Form 09.03.2022	17 students of schedule cast community	All India Network Programme on Diagnostic Imaging and Management of Surgical Conditions in Animals (AINP on DIMSCA), RAJUVAS, Bikaner

Memorandum of Understanding

New MoU

S.No.	Date of MoU	MoU Between RAJUVAS
1	05.07.2021	Rajasthan GauSewaParishad, Bikaner
2	13.07.2021	ICAR-Central Institute of Research on Goat (CIRG), Makdoom, Mathura, U.P.
3	27.10.2021	ICICI Foundation for Inclusive Growth
4	25.03.2022	Indian Red Cross Society Headquarters, 1,Red Cross Road, New Delhi – 110001

New Constructions, Renovation & Repair Works

By Estate of University During 2021-22

(Rs. In Lacs)

S. No.	Details of Work	Total sanctioned amount	Expenditure	Work Completed/ In Process
1	Construction of Building for CVAS, Jodhpur	1260.00	1121.29	Work in Progress
2	Construction of पशुविज्ञान केन्द्र का नवीन भवन जोबनेर	40.00	7.84	Work in Progress
3	Repair and Renovation work at New College of Dairy & Food Technology Bassi, Jaipur	27.00	22.90	Work in Progress
4	नवीन पशुचिकित्सा व पशु विज्ञान महाविद्यालय, नांवा (चार दिवारी का कार्य)	150.00	113.61	Work in Progress
5	Construction of Boundary wall at LRS Bojunda Chittorgarh	8.06	6.65	Work in Progress
6	Pipe Line for water supply/waste solvent springkler & Drip works	0.70	0.70	Work Completed
7	Replacement of Submersible Pump & mono block pump starter puse & Change Main Line of Tube well pump House, Bikaner	0.45	0.44	Work Completed
8	Repair & Renovation work Registrar at RAJUVAS, Bikaner	1.60	1.60	Work Completed
9	Repair & Renovation work NCC at RAJUVAS, Bikaner	2.14	2.14	Work Completed
10	Cattle Shed Chinlink at Modern Cattle Shed Raj Bhawan Jaipur	0.675	0.66	Work Completed
11	Mtc. work of Vice Chacellor Bunglow at RAJUVAS, Bikaner	2.58	2.09	Work Completed
12	Repair & Renovation work Dome Sadul Sadan at RAJUVAS, Bikaner	10.82	10.71	Work Completed
13	Land Survey Cleaning work etc. at CVAS Nava	3.00	0.63	Work in Progress
14	Repair & Renovation work of Guest House at PGIVER, Jaipur (M/s Pragati India)	2.19	2.19	Work Completed
15	Construction of Girls Hostel at PGIVER, Jaipur	6.92	6.92	Work Completed
16	Establishment of Cattle Feed Project Unit at Various LRS	23.84	23.76	Work Completed
17	RKVY Project के अन्तर्गत सर्वो स्टेवलाईजर की स्थापना Fooder Processing Unit LRS Bikaner	2.00	1.99	Work Completed
18	Repair & Renovation works of Boys Hostel Building CVAS Navania Vallabhagar, Udaipur	5.93	5.93	Work Completed
19	Renovation work in Sheds for Cattle Feed plant at LRS Dag Jhalwar	4.67	3.30	Work in Progress
20	Estt. of Cattle Feed, Processing Units at Various Live Stock Farm	11.51	4.50	Work in Progress

Awards and Recognition

Rajasthan University of Veterinary and Animal Sciences, Bikaner has been awarded with 'District Green Champion Award' by Mahatma Gandhi National Council of Rural Education under the Department of Higher Education, Government of India. During the online workshop organized at District Collectorate Office on 21 August, 2021. District Collector Sh. Namit Mehta presented award to **Prof. Satish K. Garg, Hon'ble Vice-Chancellor, RAJUVAS, Bikaner**



A. Awards and Recognition of Faculty/Students of CVAS, Bikaner during 2021-22

S. No.	Name of faculty/Student	Name of award –details	Awarding authority
1	Prof. (Dr.) R.K. Dhuria	Vice-Chancellor Award for Excellent Performance as Director Extension Education on Independence Day 15 th August, 2021.	Rajasthan University of Veterinary and Animal Sciences, Bikaner
2	Prof.(Dr.) R.K. Dhuria	University Award for selecting Fellow of Animal Nutrition Association (FANA) on Independence Day 15 th August, 2021.	Rajasthan University of Veterinary and Animal Sciences, Bikaner
3	Prof.(Dr.) Basant Bais	Certificate of Appreciation in recognition of an outstanding contribution to quality of the journal	International Journal of Livestock Research
4	Dr. Rajni Arora	DR.C.V. Singh Veterinary Science Excellence Award 2022	Pashudhan Praharee Magazine
5	Dr. Rajni Arora	DR. V. Kurian Award Of Excellence 2022	Pashudhan Praharee Magazine
6	Prof. (Dr.) Praveen Bishnoi	for their outstanding research work in the field of CT scan and ophthalmology	Indian Society for Veterinary Surgery during 44 th annual convention held at GBPUAT, Pantnagar from 26.02.2022
7	Dr. Sakar Palecha	outstanding research work in the field of CT scan and ophthalmology	Indian Society for Veterinary Surgery
8	Dr. Suresh Jhirwal,	Best Clinician award	Indian Society for Veterinary Surgery
9	Dr. Styaveer Singh	outstanding research work in the field of CT scan and ophthalmology	Indian Society for Veterinary Surgery
10	Dr Sunita Pareek	Appreciation letter to discharge duties as a facilitator for participation in the online Annual National Level Physiology Quiz for rotating Madan Trophy for Educational Excellence	Department of Veterinary Physiology, Nagpur Veterinary College, MAFSU during 17-19 February, 2022
11	Dr. Taruna Bhati	Women Scientist award For outstanding contribution in the field of Veterinary Microbiology	Society for Scientific Development in Agriculture and Technology (SSDAT)
12	Dr. Taruna Bhati	Certificate of excellence in reviewing in recognition of an outstanding contribution to the quality of journal.	Microbiology Research Journal International
13	Dr. Taruna Bhati	Certificate of outstanding contribution	Rajasthan University of Animal Sciences for receiving best poster award in international conference

S. No.	Name of faculty/Student	Name of award –details	Awarding authority
14	Dr. Taruna Bhati	Excellence in Teaching award	Society for Scientific Development in Agriculture and Technology (SSDAT)
15	Dr. Shivali Khandelwal	Best poster award (second prize)	22nd Indian Veterinary Congress and XXIX Annual Conference of IAAVR
16	Dr Ram Kumar	Best poster award (First Prize)	22nd Indian Veterinary Congress and XXIX Annual Conference of IAAVR
17	Dr. J.P. Kachhawa	Adarsh Vidya Saraswati Rashtriya Puraskar	The Global Management Council for contribution substantially in the field of education
18	Dr Anil Bishnoi	Zonal Secretary ISVS West Zone	ISVS
19	Dr. Sita Ram Gupta	Acted as panelist in Regional Thematic Workshop	Workshop organized by Department of Agriculture and Farmers Welfare, Govt. of India and Department of Farmer welfare and Agriculture Development, Bhopal-Mp and Jawaharlal Nehru Krishi VishwaVidyalaya Jabalpur MP on 25 th January 2022.
20	Dr. Sita Ram Gupta	Acted as Rapporteur in First Veterinary Clinical case Conference-2021	Conference held at RAJUVAS -Bikaner on 13 December 2021.
21	Dr. Hemant Dadhich	Acted as Organising Secretary	Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry
22	Dr. Manisha Mathur	Acted as Co-Chairperson	International Symposium on "Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry" 17 th -19 th December, 2021.
23	Dr. Manisha Mehra	Acted as Co-organising secretary	International Symposium on "Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry" 17 th -19 th December, 2021.
24	Dr. Shesh Asopa	Acted as Treasurer	International Symposium on "Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry" 17 th -19 th December, 2021.
25	Ruchi Patwa	Best Oral Presentation Award for Surgical Management of Distal Humerus Fracture with Hybrid ESF and Pinning in Dog.	First Clinical Case Conference 2021 "Clinical Approaches on Health Management of Farm, Pet and Wild Animals held on 13 th Dec 2021.
26	Ruchi Patwa	1st Prize for oral presentation	First Clinical Case Conference 2021 "Clinical Approaches on Health Management of Farm, Pet and Wild Animals held on 13 th Dec 2021.
27	Vishal Yadav	Gold Medal	Indian Dairy Association Rajasthan state chapter and Dr NR Bhasin Memorial Award Function held on 23.10.2021 at Jaipur.
28	Garima Rathore	Silver medal	Indian Dairy Association Rajasthan state chapter and Dr NR Bhasin Memorial Award Function held on 23.10.2021 at Jaipur.

B. Awards and Recognition of Faculty/Students of CVAS, Navania during 2021-22

S. No.	Name of faculty/Student	Name of award –details	Awarding authority
1.	Dr. Tikam Chand Goyal	Best Poster Presentation Award	XXIX Annual Conference of IAAVR & National Symposium from April 08-09, 2022 at CVAS, Navania, Udaipur (Rajasthan)
2.	Dr. Tikam Chand Goyal	Young Extension Scientist Award	4 th National Conference of SVAHE from May 06-08, 2022 at DGCN College of Veterinary & Animal Sciences, CSK HPKV, Palampur (HP)
3.	Dr. Sanweer Khatoon	Dr. J.P Dubey Young Scientist award	IAAVP & XXX National Congress of Veterinary Parasitology and National Symposium Parbhani MAFSU from 14-16th December 2021
4.	Dr. Kamal Purohit	Felicitation (15th Aug, 2021)- For Becoming the Associate Editor of Journal of Applied Animal Research, NASS - 7.25	RAJUVAS ,Bikaner
5.	Dr. Goverdhan Singh	DR.CM Singh Veterinary Science excellence award 2022	Pashudhan Praharee,Magazine
6.	Prof. (Dr.) Rajeev Kumar Joshi	Adarsh Vidya Saraswati Rashtriya Puraskar	Global Management Council, Ahmedabad
7.	Prof. (Dr.) Rajeev Kumar Joshi	Prof. Ram Raksha Kiran Shukla award	22 nd Indian Veterinary Congress and 29 th Annual Conference and National Symposium of IAAVR
8.	Dr. Monika Joshi	Adarsh Vidya Saraswati Rashtriya Puraskar for valuable & nobal work January ,2022	Global Management Council Ahmedabad
9.	Dr. Dinesh Jhamb	Appreciation award for Vets service in Pushkar animal fair November 2021	Indigenous Horse Society of India. Jaipur.
10.	Dr. Sudeep Solanki	Facilitation Award on 15 th August 2021 for Editorial Board Member	by Honourable Vice Chancellor RAJUVAS Bikaner

C. Awards and Recognition of Faculty/Students of PGIVER, Jaipur during 2021-22

S. No.	Name of faculty/Student	Name of award-details	Awarding authority
1	PGIVER, Jaipur	Best Unit for its excellent performance in Teaching on the occasion of Independence Day, 2021	RAJUVAS, Bikaner
2	Centre for Excellence on Milk Quality and Safety, PGIVER, Jaipur	Best Unit for excellent performance on Advanced Research Centre on the occasion of Independence Day, 2021	RAJUVAS, Bikaner
3	Dr. Bincy Joseph	Felicitated on the occasion of Independence Day, 2021	RAJUVAS, Bikaner
4	Sh. Suresh Yadav	Felicitated on the occasion of Independence Day, 2021	RAJUVAS, Bikaner
5	Prof. D.S. Meena	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
6	Dr. Navav Singh	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
7	Dr. C.S. Sarswat	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
8	Dr. Nirmal Kumar Jeph	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
9	Dr. Navav Singh	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
10	Dr. Vikas Galav	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
11	Dr. Barkha Gupta	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
12	Dr. Manish Agrawal	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
13	Dr. Sandeep Kumar Sharma	Felicitated on the occasion of Independence Day, 2021	PGIVER, Jaipur
14	Dr. Sarjna Meena	Appreciation Certificate for tireless efforts, outstanding dedication and service to animal care as Veterinary Corona Warrior	Alembic Pharmaceuticals Ltd. , Mumbai
15	Geeta Choudhary	Secured 3 rd rank in College level online quiz	Virbac Animal Health Pvt. Ltd.
16	Keshav Gaur	Best All India Monthly Writing Competition Winner Award	E-Pashupalan
17	Keshav Gaur	Dr. N.R. Bhasin Memorial Award For Excellence in Studies	Indian Dairy Association (IDA)
18	Keshav Gaur	Dr. B.L. Bishnoi Memorial Gold Medal For securing 1 st position in B.V.Sc. & A.H. programme -2020	Veterinary College Bikaner Alumni Association (VCBAA)
19	Keshav Gaur	Best Monthly Article Award	Science World e-Magazine

Research Publications

Research Publications, CAVS, Bikaner

1. Anjana, Lamba, P., Jhirwal, A.K., Goswami, S.C. and Saharan, V. (2022). Effect of different litter amendments on the litter. The Pharma Innovation Journal, SP-11(6): 3033-3035.
2. Anjum, F. and Maherchandani, S. (2022). Cluster Analysis and resistotyping of MDR E. coli isolated from poultry from different age intervals. International Journal of Current Microbiology and Applied Sciences, 11(03): 128-139.
3. Anjum, F., Gahlot, K., Purva, M., Maherchandani, S., Rathore, V., Zaidi, S. and Shringi, B.N. (2021). Antimicrobial resistance profiling and maldi-tofms strategy for identification of enteric escherichia coli isolated from poultry at different age intervals. Veterinary Practitioner, 22(1): 15-20
4. Arora, A.S., Rajput, D.S. and Sharma, N.K. (2022). Knowledge Level of Cattle Owners regarding Overall Management Practices in Rajasthan, Ruminant Science.
5. Arora, R., Goswami, S.C. and Maan, R. (2021). Study on the effect of improved shelter management practices on the physiological parameters of Sahiwal cattle in arid region of Rajasthan. Ruminant Science, 10(1): 89-92.
6. Arora, R., Goswami, S.C., Choudhary, M.L. and Gujar, G. (2022). 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.
7. Arora, S., Pareek, S. and Kataria, N. (2021). Influence of seasonal variation on fractional excretion of electrolytes in Sirohi goat from Southern Rajasthan. The Pharma Innovation Journal, 10(12): 1816-1819.
8. 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, 28(2): 348-351.
9. Asopa, S., Vyas, I., Dadhich H., Rani, S. Mathur, M., Joshi, A., Mehra, M. and Sharma, N. (2021). Haemato-Biochemical Studies of Acidosis in Camels (*Camelus Dromedarius*). Veterinary Practitioner, 22(1): 79-81.
10. Bhalothia, S.K., Mehta, J.S., Kumar, T., Prakash, C., Talluri, T.R., Pal, R.S. and Kumar, A. (2022). Melatonin and Canthaxanthin enhances sperm viability and protect ram spermatozoa from oxidative stress during liquid storage at 4°C. Andrologia, 54(1): e14304.
11. Bhati, T., Chhabra, R., Yadav, R., Charaya, G. and Kataria, A.K. (2021). Antimicrobial Resistance Profiling of *Staphylococcus aureus* Isolated From Mastitic Milk of Bovine and Dairy Environment from Arid and Semiarid Regions of India. Ruminant Science, 10(1): 57-66.
12. Bothra, T., Patel, A.K., Kumar, V., Narula, H.K. and Jain, D. (2021). Effect of improved nutrition and shelter on milk yield of Magra ewes in two different lambing seasons. Ruminant Science, 10(1): 95-100.
13. Chandekar, S., Arora, R. and Maan, R. (2021). Study on the effect of feed additives on physiological performance of Sahiwal growing female calves during summer season in arid region of Rajasthan. Journal of Animal Research, 11(6): 1025-1030.
14. Choudhary, J. and Kashyap, S.K. (2021). Detection of mastitis pathogens by multiplex polymerase chain reaction. Journal of Entomology and Zoology Studies, 9(2): 622-626
15. Choudhary, J., & Kashyap, S. K. (2021). Detection of mastitis pathogens by multiplex polymerase chain reaction. The Pharma Innovation Journal, 10, 79-83.
16. Choudhary, J., Purva, M., Milind, M., Gahlot, K., Bhati, T., Maherchandani, S. and Pandey, A. (2021). Phylogenetic and Protein Domain Architecture Analysis of Toll-like Receptor 4-10 Genes in Camel (*Camelus dromedarius*). International Journal of Current Microbiology and Applied Sciences, 10(01): 2887-2895
17. Chouhan, A.K., Monika, P. K., Rathore, B., Sodha, D.B. and Choudhary, U. (2021). Identification of nematode infective larvae in black bucks (*Antilope cervicapra*). Journal of Entomology and Zoology Studies, 9(1): 206-208.
18. Chouhan, A.K., P. K., P. K., Monika, Rathore, B., Gupta, A., Sodha, D.B. and Pateer, D.P. (2021). Prevalence of Gastrointestinal Helminthic Infections in Black Bucks (*Antilope cervicapra*) of Tal Chhapar Sanctuary of Rajasthan. Indian Journal of Animal Research. DOI: 10.18805/IJAR.B-4388.
19. Chouhan, A.K., P. K., P. K., Monika, Sodha, D. B., Rathore, B., Pateer, D.P. and Kumar, A. (2021). *Eimeria* sp. Infection in Black Bucks (*Antilope cervicapra*) of Tal Chhapar Sanctuary of Rajasthan. International Journal of Current Microbiology and Applied Sciences, ISSN: 2319-7706 Volume 10 Number 01 (2021)
20. Chouhan, A. K., P. K., P. K., Rathore, B., Gupta, A., Sodha, D. B., & Pateer, D. P. (2021). Prevalence of Gastrointestinal Helminthic Infections in Black Bucks (*Antilope cervicapra*) of Tal Chhapar Sanctuary of Rajasthan. Indian Journal of Animal Research, 56(8), 1029-1033. DOI: 10.18805/IJAR.B-4388.

21. Devi, D., Bais, B., Singh, R., Solanki, S., Meena, S. and Singh, S. (2021). Studies of physio-chemical properties and accessibility of flaxseed incorporated in camel and buffalo milk nuggets .The Pharma Innovation Journal, SP-10(8): 1100-1105.
22. Devi, D., Bais, B., Singh, R., Solanki, S., Tak, L., Gorachiya, P., Singh, J., Kanwar, P. and Kumari, J. (2021). Microbial Quality Evaluation of Flaxseed incorporated Camel and Buffalo Milk Nuggets. International Journal of Current Microbiology and Applied Sciences, 10(03): 1674-1682. doi: <https://doi.org/10.20546/ijcmas.2021.1003.208>.
23. Dholpuria, S., Kumar, P. and Kumar, T. (2021). Management of unusual case of complete uterine prolapse in a Bitch. International Journal of Science and Research, 10(10):837-839.
24. 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 Science, 43(1): 59-61
25. Gaur, A., Ranjan, A., Sharma, P. and Singh, A.P. (2021). Evaluation of haematological and biochemical values after repeated co-administration of moxifloxacin and flunixin in goats. Veterinary Practitioner, 22(1): 137-139.
26. Goklaney, D., Ahuja, A. and Dhuria, R.K. (2021). Effect of Supplementation of Mineral Mixture on Haemato Biochemical Profile of Goats. International Journal of Livestock Research, 11(1), 125-132.<http://dx.doi.org/10.5455/ijlr.20201019060804>
27. Gorachiya, P.R., Bais, B., Pathak, V., Goswami, M., Singh, S. and Basant. (2021). Efficiency of Sesame Seeds as Fat Replacer to Develop Functional Chicken Sausage. Journal of Animal Research, 11 (6), 1043-1049.
28. Goswami, S. and Dangi, A. (2021) Arduino-Based Milk Quality Monitoring System. International Journal of Agriculture, Environment and Biotechnology, 14(2): 245-249.
29. 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.
30. 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. DOI: 10.22271/tpi.2022.v11i7Sw.13986.
31. Jain, D. (2021). Effect of Supplementation of *Tinosporacordifolia* and Ascorbic Acid Combinations on Growth Performance of Broiler Chickens. Journal of Animal Research, 11(5): 925-932
32. Jain, D., Dhuria, R.K., Sharma, T., Bothra, T., and Prajapat, U.K. (2021). Effect of Supplementation of *Tinosporacordifolia* and Ascorbic Acid either alone or in Combinations on Leucogram of Broiler Chickens. Indian Journal of Animal Nutrition, 38(2), 218-222.
33. Jain, D., Joshi, R., Dhuria, D. and Sain, M. (2021). Evaluation of efficacy of autoclave and microwave for sterilization of biomedical waste. The Pharma Innovation Journal, SP-10(7): 18-20
34. Jawa, C., Joshi, R., Dhuria, D., Sain, M. and Sharma, R. (2021). Evaluation of microbial quality of raw fish meat sold at fish, meat outlets of Bikaner. The PharmaInnovation. 10(7) 67-70.
35. Jediya, H.K., Shende, K.A., Dhuria, R.K., Vaishnava, C.S., and Barolia, Y.K. (2021). Effect of Hydroponic Maize Fodder Supplementation on Growth Performance, Nutritive Ratio and Intake of Digestible Nutrient in Gir Calves. International Journal of Bio-Resource & Stress Management, 12(5): 450-454.
36. Jediya, H.K., Vaishnava, C.S., Dhuria, R.K., Shende, K.A. and Barolia Y.K. (2021). Effect of hydroponic maize fodder as partial substitute with concentrate mixture on nutrient intake of gir calves. Journal of Entomology and Zoology Studies, 9(2): 170-172
37. Jhirwal, S.K., Kumar, A., Bishnoi, P. and Gahlot, T.K. (2021). Evaluation of Shhirmmer tear test and intraocular pressure in apparently healthy cattle. Indian Journal of Veterinary Science, 42(2):125-127.
38. 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 Science, 43(1): 34-39.
39. Jhirwal, S.K., Rathore, S.S. and Gahlot, T.K. (2021). Correlating Nutritional Deficiency with Cataract Diagnosis in Hand Reared Asiatic Lion cub (*Pantheraleopersica*). Intas Polivet, 21 (II): 528-530.
40. Jorasia, K., Paul, R.K., Rathore, N.S., Pyare Lal, Singh, R. and Sareen, M. (2021): Production of bioactive recombinant ovine cysteine-rich secretory protein 1 in *Escherichia coli*. Systems Biology in Reproductive Medicine, 1-11.
41. Jorasia, K., Paul, R. K., Rathore, N. S., Lal, P., Singh, R., & Sareen, M. (2021). Production of bioactive recombinant ovine cysteine-rich secretory protein 1 in *Escherichia coli*. Systems Biology in Reproductive Medicine, 67(6), 471-481.
42. Joseph, B., Pandey, A.K., Kumar, A., Sharma, D.K., Yadav, A.K., Kumar, B., Abhishek, Chander, V., Sharma, G.K., Singh, A.P. and Prakash, C. (2021): Evaluation of ELISA and PCR in parallel to single intradermal cervical tubulin test (SICT) for diagnosis of tuberculosis in buffaloes. Tropical Animal Health and Production, 53:322.

43. Kant, L., Ranjan, A., Sankhala, L.N., Meena, A. and Kumar, L. (2022). Effect of meloxicam co-administration on pharmacokinetics of cefquinome following intramuscular administration in dromedary camel (*Camelus dromedarius*). *The Pharma Innovation Journal*; SP-11(4): 750-755.
44. Kanwar, P., Bais, B., Kumari, J., Tak, L., Singh, J., Kumari, R. and Gehlot, J.R. (2021). Studies on preparation and sensory evaluation of paneer spread developed from cow milk using papaya and kiwi fruit. *The Pharma Innovation Journal*, SP-10(12): 791-794.
45. Karnani, M., Dhuria, R.K. and Manju, T.S. (2021). Effect of Supplementation of Herbal Products as Feed Additive on Rumen Metabolites in Marwari Goats. *Indian Journal of Animal Research*, 55(2).
46. Kumar, A., Kumar, A., Chavhan, D.M., Jat, R.C. and Sharma, A. (2021). Effect of incorporation of pomegranate peel powder and essential oils on proximate composition and sensory qualities of goat meat balls. *The Pharma Innovation Journal*, 10(12): 2839-2842.
47. Kumar, M., Arya, R.S., Dhuria, R.K. and Dhuria, D. (2021). Effect of Black Cumin and Ginger Supplementation on Production Performance, Nutrient Utilization, Haemato-biochemical and immune Parameters in White Leghorn Layers. *Indian Journal of Animal Nutrition*, 38(4): 414-426.
48. Kumar, M., Nehara, M., Vedprakash, Pannu, U. and Jyotsana, B. (2022). Udder, teat and milk vein morphology of Indian dromedary camel and its relationship with milkability traits. *Research Square*. <https://doi.org/10.21203/rs.3.rs-1315604/v1>
49. Kumar, P., Dholpuria, S., Satish, Bhalothia, S.K., Kumar, T., Dangi B., Sasi, G., Mehra, R. and Sultan, T. (2021). Management of unilateral Bartholin's gland cyst in Holstein-Friesian cow- study of two cases. *Life Sciences Leaflets*, 142:1-6.
50. Kumar, P., Dholpuria, S., Satish, Kumar, T., Pooja and Kumawat, B.L. (2022). Management of Dystocia due to an Ischiopagus Monster in Cross Bred Cow and Its Correction with Subcutaneous Fetotomy- A Case Report. *Indian Journal of Veterinary and Animal Science Research*, 51(1): 95-98.
51. Kumar, R., Kumari, A., Chaurasia, R., Diwedi, S., Bishnoi, P., Jhirwal, S.K., Palecha, S., Bishnoi, A.K. and Tanwar, M. (2022). Clinico-haematological, radiographical and Ultrasonographical studies on traumatic Pericarditis in bovine. *The Pharma Innovation*, 11(5):1638-1640.
52. Kumari, J., Bais, B., Kanwar, P., Tak, L., Singh, J., Kumari, R. and Gehlot, J.R. (2021). Studies on preparation and sensory evaluation of paneer spread developed from cow milk using ginger and garlic. *The Pharma Innovation Journal*, SP-10(12). 795-798.
53. Kumari, S., Kumar, V., Jhirwal A.K. and Singh, N. (2022) Effect of floor space allowance on serum cortisol level of Magra lambs in arid zone of Rajasthan. *The Pharma Innovation Journal*, SP-11(4): 1719-1721.
54. Kumawat N.K. and Jhirwal, S.K. (2021). B-mode ultrasonographic appearance of the globe and intraocular structures of eye in dogs. *The Pharma Innovation Journal*, 10(2S): 68-71.
55. 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.
56. 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.
57. Lamba, P., Jhirwal, A.K., Saharan, V., Choudhary, S. and Kumar, A. (2022). Importance of roof modifications in animal housing and its impact on body measurements of Sahiwal calves during summer months in arid region of Rajasthan. *The Pharma Innovation Journal*, 2816-2825.
58. Madhusudan, Singh, O.P. Sarika, Mehra, M and Mradul (2022): Spectrum of Urolithelial Malignancies in North West Rajasthan, *Indian Journal of Research*, 11(3): 1-3.
59. Mahajan, T., Joshi, S., Thanvi, P.K. and Choudhary, O.P. (2021) Scanning Electron Microscopy of Female Reproductive Tract of Kadaknath Hens. *Indian Journal of Veterinary Anatomy*, 33(1): 61-63.
60. Mahajan, T., Joshi, S., Thanvi, P.K. and Choudhary, O.P. (2021). A Scanning Electron Microscopy. Study of the Female Reproductive Tract in White Leghorn Hen. *Indian Journal of Animal Research*, DOI: 10.18805/IJAR.B-4385.
61. Mahajan, T., Joshi, S., Thanvi, P.K. and Saini, M. (2021). Gross and Morphometrical Studies on the Female Reproductive Tract of White Leghorn and Kadaknath Hens. *Journal of Animal Research*, 11(6): 1071-1076.
62. 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.
63. 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.
64. Meena, Y.K., Gupta, S.R., Pannu, S.P. and Tiwari, R. (2021). Therapeutic response of dietary interventions

- to obesity in dogs. The Pharma Innovation Journal, SP-10(11S): 2864-2872.
65. 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.
 66. Nagar, M.K., Shende, K., Dhuria, R.K. and Manzer, H. (2021). Effect of Turmeric (*Curcuma longa*) Powder and Synbiotic as Alternative to Antibiotic Growth Promoter on the Growth Performance and Mortality of Broiler Chicks. Journal of Animal Research, 11(1), 167-172.
 67. Nayak, T.C., Singh, A.P., Chahar, A., Savita, Yadav, R., Kachhawa, J.P., Gupta, S.R. (2021). A Study on Alteration in Serum Biochemical Parameters in Colibacillosis Affected Diarrhoeic Cattle Calves, Indian Journal of Animal Research. DOI: 10.18805/IJAR.B-4502.
 68. Nayak, T.C., Singh, A.P., Chahar, A., Savita, Yadav, R., Kachhawa, J.P. and Gupta, S.R. (2021). A study on alteration in serum biochemical parameters in colibacillosis affected diarrhoeic cattle calves. Indian Journal of Animal Research, 55(11): 1347-1351.
 69. Nayak, T.C., Singh, A.P., Savita, Yadav, R., Chahar, A., Gupta, S.R. and Kachhawa, J.P. (2021). In vitro antibacterial efficacy of aqueous and methanolic extracts of *Dalbergiasissoo* (Shisham) leaves against *E. coli* isolates from diarrhoeic calves. Haryana Veterinarian, 60(SI): 41-43.
 70. Panwar, J., Bais, B. and Bansal, R. (2022). Impact of information technology on library services in present scenario. International Journal of Multidisciplinary Educational Research. Vol.-11, Issue-1(7), 117-118. DOI: <http://ijmer.in.doi./2022/11.01.142>.
 71. Panwar, J., Bais, B. and Bansal, R. (2022). Library and information science profession in Indian perspective. International Journal of Multidisciplinary Trends 2022; 4(1): 21-23.
 72. Panwar, K., Bhati, T., Ritod, S. and Shringi, B.N. (2022). Detection of antibiotic resistance in *Escherichia coli* isolates from Egyptian vultures from arid regions of India. Environment Conservation Journal. <https://doi.org/10.36953/ECJ.021800-2115>.
 73. Panwar, K., Bhati, T., Ritod, S., & Shringi, B. N. (2022). Detection of antibiotic resistance in *Escherichia coli* isolates from Egyptian vultures from arid regions of India. Environment Conservation Journal, 23(1&2), 65-71.
 74. Pareek, S., Jain, M., Maan, R., and Kataria, N. (2021) Appraisal of erythrocytic enzymatic responses in *Magra* sheep exposed to superimposed stressors. World Journal Pharma Research, 10(12):1972-1980.
 75. Pareek, V., Pannu, U., Kumar, V., Vyas, J. and Rajpurohit, P. (2021). Effect of Non- Genetic Factors on Reproduction Traits in Kankrej Cattle
 76. 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.
 77. 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) in healing of long bone fracture stabilized by interlocking nail in dogs. Indian Journal of Veterinary Science, 43(1): 14-17.
 78. 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.
 79. Punam, Maan, R., Pareek, S., Jain M. and Janagal, L. (2022). Altered serum vitamin E and glutathione levels in broilers during hot humid ambience. The Pharma Innovation Journal, 11(1): 926-928.
 80. 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.
 81. Puniya, S.R., Prakash, Arora, R. and Pilaniya, 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.
 82. 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, SP-11(7): 2330-2336.
 83. Rathor, A.S., Bhati, T. and Singh, A.P. (2021). In vitro antibacterial activity of extracts of *Dalbergiasissoo* and *Aegle marmelos* against Enterotoxigenic *Escherichia coli* from calves. The Journal of Phytopharmacology, 10(5):289-293.
 84. Rathor, A.S., Bhati, T., Kachhawa, J.P. and Singh, A.P. (2022). Therapeutic efficacy of *Dalbergiasissoo* Roxb. and *Aegle marmelos* (L.) Correa. in combination in diarrhoeic calves with altered haematological parameters. Annals of Phytomedicine 11(8): 1-8.
 85. Rathore, N.S., Kashyap, S.K., Deora, A., Kumar, P., Singh, J. and Tallurie, T.R. (2021). Expression of reprogramming factors in mesenchymal stem cells isolated from equine umbilical cord Wharton's jelly and amniotic fluid. Indian Journal of Animal Sciences, 91(2) 114-120.

86. Rathore, V., Bhati, T., Gahlot, K., Zaidi, S., Anjum, F., Milind, M. and Kataria, A.K. (2021). Antibiotic resistance pattern in isolates of *staphylococcus aureus*. *Veterinary Practitioner*, 22(1): 21-22.
87. Rewar, R., Choudhary, S., Kalita, G., Siyak, S., Dhaka, M.K., Jhirwal, A.K., Surendra and Choudhary, V. (2022). Effect of feeding Fermented Liquid Feed (FLF) on Average Body Weight (ABW) and Average Daily Gain (ADG) in pre-weaned and post-weaned Young Pigs of Large White Yorkshire (LWY) breed. *The Pharma Innovation Journal*, SP-11(7): 1293-1295.
88. 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.
89. Sankhala, L.N., Ranjan, A. and Suvidhi (2021). Clinical and haematological studies of repeated dose oral Imidacloprid toxicosis in White leghorn broilers and its amelioration by cow urine distillate. *Veterinary Practitioner*, 22(1): 133-136.
90. Saxena, N. and Joshi, R. (2021). Brucellosis in Camels and its public health significance for humans. *International Journal of Current Microbiology and Applied Sciences*, 10(4): 445-462.
91. Shandilya, M., Bishnoi, P., Palecha S. and Jhirwal, S.K. (2021). Behavioural and clinico-physiological studies on xylazine-ketamine and midazolam-ketamine anaesthesia in dogs. *Indian Journal of Veterinary Surgery*, 42(1): 61-62.
92. Sharma R.K., Mishra, S., Kumar, P., Das, J. And Bishnoi, A.K. (2021). Parotid Gland Rupture in a Holstein-Friesian Cow. *Indian Journal of Veterinary Science and Biotechnology*, 10.21887/ijvsbt.17.4.24.
93. 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.
94. Sharma R.K., Nilam, Sharma M.P. and Bishnoi, A.K. (2021). Surgical management of lacerated upper lip and exposed hard palate in a dromedary camel. *The Pharma Innovation Journal*, SP-10(2): 237-238.
95. Sharma R.K., Saran, D.S. and Bishnoi, A.K. (2021). External skeletal fixation of tibial fracture in a domesticated rabbit. *The Pharma Innovation Journal*, SP-10(4): 21-23.
96. Sharma R.K., Sharma M.P. and Bishnoi, A.K. (2022). Clinical Evaluation, Diagnosis and Surgical Management of Traumatic Pharyngitis in a Non-descript Cattle. *Journal of Scientific Research & Reports*, 27(2): 104-107.
97. Sharma R.K., Sharma M.P., Dharampal and Jhirwal, S.K. (2021). Reposition of traumatic ocular proptosis through lateral canthotomy in a kitten. *Journal of Entomology and Zoology Studies*, 9(2): 182-184.
98. Sharma R.K., Sharma, M., Bishnoi, A.K. and Mishra, S. (2021). A clinical study on diverse horn-affectations in thirty-six bovines. *The Pharma Innovation Journal*, SP-10(12): 763-767.
99. Sharma, A., Dhuria, R.K. and Dhuria, D. (2021). In Vitro Antibacterial Potentials of Various Extracts of Rosemary Leaf Powder and Black Cumin Seed Powder. *Journal of Animal Research*, 11(6), 1065-1069.
100. Sharma, A., Dhuria, R.K. and Kumar, A.. (2021). Effect of feeding hydroponics maize fodder on haemato-biochemical parameters in Gir cows. *Journal of Entomology and Zoology Studies*, 9(1): 2116-2118.
101. Sharma, A., Dhuria, R.K. and Kumari, P. (2021). A nutritional evaluation of rosemary leaf powder and black cumin seed powder as phyto-genic feed additives. *The Pharma Innovation Journal 2021*; SP-10(10): 983-985.
102. Sharma, A., Kumar, V., Jhirwal, A.K., Goswami, S.C., Bothara, T. and Sing, V. (2022). Effect of Dietary Supplementation of Tulsi (*Ocimum sanctum*) and Moringa (*Moringa oleifera*) Leaf Powder along with Different Bedding Materials on Carcass Characteristics of Japanese Quail in Arid Region of Rajasthan. *Journal of Animal Research*, 12(1): 47-53.
103. 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/ajdr.DR-1742.
104. Sharma, P., Ranjan, A., Gaur, A., Choudhary, S., Kumar, V. and Singh, A.P. (2021). In vitro plasma protein binding of marbofloxacin in sheep. *Veterinary Practitioner*, 22(1): 140-142.
105. Sharma, R., Joshi, R., Dhuria, D., Sain, M., Kumar, D. and Jawa, C. (2021). Isolation, identification and molecular characterization of *S. aureus* from raw milk sold in Bikaner. *The Pharma Innovation Journal 2021*; SP-10(8): 789-792.
106. Sharma, G., Jhirwal, S.K., Kuldeep, Kumar, A., Sanel, P., Meena, K.S. and Bishnoi, P. (2021). Surgical management of ocular dermoids in Indian cattle breeds. *Ruminant Science*, 10(1), 211-214.
107. Sharma, R.K., Jhirwal, S.K., Sharma, M.P., Vilas D. and Bishnoi, P. (2021). Management of traumatic unilateral proptosis with globe replacement surgery in a pug: A case report. *Journal of Entomology and Zoology Studies*, 9(1): 1485-1486.
108. Shende, K., Dhuria, R.K., Meel, M., Nagar, M.K., and Jedia, H.K. (2021). Effect of Turmeric (*Curcuma longa*) Powder and Synbiotic as Alternative to Antibiotic Growth Promoter on Haemato-biochemical

- Parameters, Comparative Economics and Mortality of Broiler Chicks. *International Journal of Bio-Resource & Stress Management*, 12(2):125-130.
109. Shende, K.A., Dhuria, R.K., Goklaney, D. and Barolia, Y.K. (2021). Effect of Supplementation of Tulsi (*Ocimum sanctum*) Leaf and Ginger (*Zingiberofficinale*) Powder as Feed Additive on Daily Weight Gain, Comparative Economics and Mortality Percent of Broiler Chicks. *International Journal of Bio-resource and Stress Management*, 12(1), 001-006.
 110. Shende, K.A., Dhuria, R.K., Goklaney, D., and Barolia, Y.K. (2021). Effect of Dietary Supplementation of Tulsi (*Ocimum sanctum*) Leaf and Ginger (*Zingiberofficinale*) Powder as Feed Additives on Broiler Performance. *The Indian Journal of Veterinary Sciences and Biotechnology*, 17(3): 97-99.
 111. 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.
 112. 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.
 113. 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.
 114. Singh, D., Joshi, S., Thanvi, P.K., Panwar, A. and Choudhary, O.P. (2021). A histochemical and immunohistochemical study on the thyroid gland of dromedary camel (*Camelusdromedarius*). *Journal of Camel Practice and Research*, 28 (3): 303-31. DOI : 10.5958/2277-8934.2021.00047.3
 115. Singh, D., Joshi, S., Thanvi, P.K., Saini, M.K. and Choudhary, O.P. (2021). Scanning electron microscopy of the thyroid gland of camel (*Camelusdromedarius*). *Journal of Camel Practice and Research*, 28 (1): 107-109. DOI:10.5958/2277-8934.2021.00017.5
 116. Singh, D., Joshi, S., Thanvi, P.K., and Choudhary, O.P. (2021). Ultrastructural studies on the thyroid gland of camel (*Camelusdromedarius*). *Indian Journal of Animal Research*. DOI: 10.18805/IJAR.B-4363
 117. Singh, J., Bais, B., Kumar, D., Tak, L., Kumari, J., Kanwar, P., Gahlot, J.R. and Ranjana. (2021). Study on development and quality of khoa prepared from mixing of camel and buffalo milk. *The Pharma Innovation Journal*, SP-10(11): 855-860.
 118. Singh, L., Suradkar, U.S., Chavhan, D.M., Rathore, N.S., Rathore, K., Kumar, P. and Jat, R.C. (2021): Study of the shelf life of goat milk paneer at refrigeration temperature. *International Journal of Veterinary Sciences and Animal Husbandry*, 6(1): 28-30.
 119. Singh, N., Rajput, D.S. and Sharma, N.K. (2021). Economic Contribution of Buffalo Farming in Livelihood of Buffalo Owners in Bharatpur District of Rajasthan. *International Journal of Livestock Research*, 11(12): 2277-1964.
 120. 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.
 121. Singh, O.P. Sarika, M., Mehra, M. and Aman (2021). Spectrum of Lesions in Fine Needle Aspiration Cytology of Space Occupying Lesions of Liver. *International Journal of Science Research*, 10(11): 3-4.
 122. Singh, S., Palecha, S., Bishnoi P. and Gahlot, T.K. (2021). Evaluation of degenerative changes of elbow and coxo-femoral joints in dogs using computed tomography. *Indian Journal of Veterinary Science*, 42(2):84-90.
 123. Singh, R., Jhirwal, S.K., Lal, M., Sanel, P. And Bishnoi, P. (2022). Electrodiagnostic evaluation of retina in healthy dogs. *Haryana Veterinarian*, 61(SI):34-36.
 124. Singodia, M., Rewani, S., Rajput, D.S. and Tak, L. (2021). Health Services Availed by Livestock Farmers in Jaipur District of Rajasthan. *Ruminant Science*, 10(1): 133-138
 125. 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*, SP-11(7): 283-286
 126. Sodha, D.B., Monika, Chouhan, A.K. and Pilania, P.K. (2021). Prevalence and risk assessment of coccidiosis in dairy animals of transitional plain in luni basin of Rajasthan. *Journal of Entomology and Zoology Studies*, 9(1): 706-710.
 127. Sodha, D.B., Pilania, P.K., Monika, Chouhan, A.K. and Joshi, S.P. (2021). Epidemiological Studies on Gastrointestinal Helminthic Infections in Dairy Animals of Transitional Plain in Luni Basin of Rajasthan. *Journal of Animal Research*, 11(3):539-46.
 128. Subith C., Jhirwal, S.K., Bishnoi, P. and Gahlot, T.K. (2022). Echobiometry of Eyes of Dromedary Camels (*Camelusdromedarius*). *Journal of Camel Practice and Research*, 29 (2): 203-206.
 129. Subith C., Jhirwal, S.K., Palecha, S., Bishnoi, P. and Gahlot, T.K. (2022). Computed tomographic imaging of eye of dromedary camel. *Journal of Camel Practice and Research*, 29(1):73-75.DOI : 10.5958/2277-8934.2022.00010.
 130. Thanvi, P.K., Singh, D. and Saini, M.K. (2021). Gross Morphological Peculiarities of Spleen of Sheep (Ovisaries). *Indian Journal of Veterinary Anatomy*, 33 (2): 148-150

131. Vyas, J., Chopra, A., Pannu, U., Saran, R.K. and Narula, H.K. (2022). Population structure of Marwari sheep through pedigree analysis. Small Ruminant Research, 206, p.106590. <https://doi.org/10.1016/j.smallrumres.2021.106590>
132. Yadav, R., Singh, A.P., Nayak, T.C., Gupta, S.R., Sain, M.L., Kachhawa, J.P., Savita and Chahar A. (2021). A study on haemato-biochemical and electrolyte alterations In neonatal calf diarrhoea. Veterinary Practitioner, 22(1): 111-114.

Research Publications, CAVS, Navania

1. Arora S. and Kataria N. (2021). Heat load index vis-à-vis changes in metabolic functions of Sirohi goat from semi-arid tracts of Rajasthan. Journal of Entomology and Zoology Studies.
2. Arora S., Pareek S. and Kataria N. (2021). Influence of seasonal variation on fractional excretion of electrolytes in Sirohi goat from Southern Rajasthan. The Pharma Innovation Journal, SP-10(12): 1816-1819.
3. Arora S., Pareek S. and Kataria N. (2022). Extreme environment vis-a-vis fluctuations in metabolic retorts in Sirohi goat from semi-arid expanses of Rajasthan. Veterinary Practitioner.
4. Bhumra, H., Goyal T.C., Rajoria, S., Kumar R. and Kumari, M. (2021). Constraints perceived by women dairy farmer in scientific management of dairy animals in Rajasthan. Indian Journal of Extension Education, 57(2): 122-128.
5. 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(2): 1413-1417.
6. 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.
7. 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.
8. Dixit, A., Manzer, H., Khatoon, 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 (Rajasthan). The Pharma Innovation Journal, SP-11(1): 1142-1144.
9. Dixit, A., Manzer, H., Khatoon, S., Rathore, A., Singh, B., Kumar J. and Ram, S. (2022). In-vitro study on acaricidal efficacy of methanolic extracts of *Datura stramonium* against tick (*Rhipicephalus (B.) microplus*) in Udaipur (Rajasthan). The Pharma Innovation Journal, 11(1): 1142-1144.
10. Doot, M., Gaurav, A., Solanki, S., Chavhan, D.M. and Bairwa, V.C. (2022). Detection of Virulence Genes in Methicillin Resistant *Staphylococcus aureus* from Bovine Subclinical Mastitic Milk. Journal of Animal Research, 12(2): 193-198.
11. Gena, R., Meshram, B., Purushottam, Khyalia, V., Parmar, N. and Nitika (2022). Comparative morphological studies on the digestive system of white leghorn (*Gallus gallus domesticus*) and guinea fowl (*Numida meleagris*) birds with special reference to their cloaca. The Pharma Innovation Journal, SP-11(7): 3247-3251.
12. Gill, D., Dadich, R., Singh, G. and Shringi, N. (2022). Histopathological studies of Pulmonary Neoplasm & Pulmonary Hydatidosis in lungs of goats in Southern region of Rajasthan. The Pharma Innovation Journal, SP-11(7): 3040-3043.
13. Godwal, P.K., Sareen, M., Chotiya, A.K., Rathore, N.S., Moolchandani, A., Legha, R.A., Pal, Y. and Kumar, V. (2022). Impact of heat stress on diurnal physiological responses of sun exposed *Martina Franca* jacks in semitropical desert climate. The Pharma Innovation Journal, (11): 3763-3767.
14. 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.
15. Gunjan, Purohit, K., Singh, G., Kumari, M., Rathore, A., Aditi, Mishra, S., Poonam and 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. Gunjan, Purohit, K., Singh, G., Kumari, M., Rathore, A., Aditi, Mishra, S., Poonam and Dixit, A. (2022). Pathomorphological studies of lung lesions in buffalo (*Bubalus bubalis*) in southern region of Rajasthan. The Pharma Innovation Journal, 11 (2S):1274-1279.
17. Gurjar, B., Rajput, D.S., Mehra, M., Goyal T.C. and Bano, P. (2022). Study on knowledge level of livestock owners related to management aspect of organic animal husbandry practices in arid region of Rajasthan. The Pharma Innovation Journal, SP-11(7): 1027-1030.
18. Gurjar, T., Dadhich, R., Singh, G., Shringi N. and S, Arora, (2021). Histopathological findings in glomeruli of sheep in southern region of Rajasthan The Pharma Innovation Journal, 10 (10S): 1426-1428.
19. Gurjar, T., Dadhich, R., Singh, G., Shringi, N. and Arora, S. (2021). Histopathological findings in

- glomeruli of sheep in southern region of Rajasthan. The Pharma Innovation Journal, SP-10(10): 1426-1428.
20. Harizan, I.M., Khinchi, R.K., Manju, Sharma S.K. and Meena, V.K. (2021). Alterations in haemato-biochemical and oxidative stress indices in dogs affected with parvoviral enteritis. The Pharma Innovation, 10(8): 428-431.
21. Jat, R.C., Chavhan, D.M., Suradkar, U.S., Singh H. and Kumar, A. (2021). Effect of incorporation of different levels of Indian gooseberry on physico-chemical qualities of chicken gizzard pickle Indian Journal of Veterinary Research, 29(2): 31-35.
22. Juneja, R., Jhamb, D., Nirwan, S.S., Gaur, M. and Singh, G. (2021). Study on the factors affecting occurrence of pyometra in reported canine clinical cases of Udaipur region. Haryana Veterinarian, 60(2): 279-281.
23. Khatoon, S., Alam, H.M., Sharma, D., Purohit, K., and Jahan, A. (2021). Studies on prevalence of theileriosis and assessment of its risk factors among cattle in and around Udaipur, Rajasthan. Journal of Entomology and Zoology Studies, 9(2): 307-310.
24. Khatoon, S., Alam, H.M., Sharma, D., Purohit, K. and Jahan, A. (2021). Studies on prevalence of theileriosis and assessment of its risk factors among cattle in and around Udaipur, Rajasthan. Journal of Entomology and Zoology Studies, 9(2): 307-310.
25. Kumar V. and Goyal T.C. (2021). Entrepreneurial behaviour of dairy farmers in Udaipur district of Rajasthan. The Pharma Innovation Journal, SP-10(10): 28-32.
26. Kumar, A., Kumar, A., Chavhan, D.M., Jat, R.C. and Sharma, A. (2021). Effect of incorporation of pomegranate peel powder and essential oils on proximate and sensory qualities of goat meat balls The Pharma Innovation, 10(12): 2839-2842.
27. Kumar, J., Alam, H.M. Punia, V. and Godwal, P.K. (2022). Prevalence of cattle tick infestation in three villages of vallabh nagar tehsil of udaipur district Rajasthan. The Pharma Innovation Journal.
28. Kumari, M., Purohit, K., Singh, G., Rathore, A., Limbat, R. and Sharma, R. (2021). Pathological changes of snake envenomation in a Beagle dog-A case report. Indian Association of Veterinary Pathologists, 46 (1): 86-89.
29. 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 Practices, 46(1): 86-89.
30. Kumari, S., Kumar, R.R., Mendiratta, S.K., Kumar, D., Kumar, A., Jawa, J. and Kumar, D. (2021). Development of loop-mediated isothermal method and comparison with conventional PCR assay for rapid on spot identification of tissue of cattle origin. Journal of Food Science and Technology, 58(12), 4608-4615.
31. Limbat, R., Kumari, M., Rathore, A., Poonam and Gunjan. (2022). Prevalence and Pathological Investigation of Gastrointestinal Parasitic Infection among Goats Affected with Diarrhoea. 4(5): 22-28.
32. Limbat, R., Kumari, M., Rathore, A., Purohit, K., Singh, G. and Sharma, R. (2021). Hemato-biochemical alterations in goats affected with diarrhoea. The Pharma Innovation Journal, SP-10(10): 206-209.
33. Meel, M.S., Sharma, T., Joshi, Monika, Gurjar, M.L., Sharma, S.K. and Kumari, M. (2021). Effect of feeding *Moringa oleifera* leaf meal with multienzyme on performance, carcass characteristics and economics of production of broiler chicks. Asian Journal of Dairy and Food Research, 40(1): 118-122.
34. Mundotiya, H., Dadhich, R., Singh, G., Gurjar, T. And Arora, S. (2021). Parasitic infestation in liver of sheep in southern region of Rajasthan. The Pharma Innovation Journal, SP-10(9): 25-28.
35. Mundotiya, H., Dadhich, R., Singh, G., Yadav, V., Gurjar, T. and Meena, A. (2022). Miscellaneous condition in liver of sheep in southern region of Rajasthan. The Pharma Innovation Journal, SP-11(6): 3056-3058.
36. Nagar, S.R., Khatoon, S., Alam, H.M., Purohit, K., Kumar, J. And Dixit, A.K. (2022). Epidemiological studies on gastrointestinal helminthes of horses of Udaipur Rajasthan. The Pharma Innovation, 11(9): 82-86.
37. Patidar, C., Sharma, D. K., Singathia, R., Suthar, P., Saraswat, A., Singh, G., Purva, M. and Sain, A. (2022). Molecular Detection and Phylogenetic Analysis of Chicken Astrovirus associated with Poultry Enteritis. Indian Journal of Animal Research, 56 (1): 84-89.
38. Patidar, C., Sharma, D.K., Singathia, R., Suthar, P., Saraswat, A., Joshi, M. and Purohit, K. (2021). Molecular detection of avian coronavirus (Infectious bronchitis virus) associated with poultry enteritis. Indian Journal of Poultry Science, 56(2): 173-179.
39. Punia, V., Manzer, H., Kumar, J. and Rathore, A. (2022). In-Vitro Study on Acaricidal Efficacy of *Azadirachta indica* (Neem) Acetonic Extracts Against *Rhipicephalus (B.) microplus* in Udaipur (Rajasthan). Biological Forum – An International Journal, 14(2a): 000-000.
40. Purohit, P.K., Purohit, K., Singh, G., Rathore, A. and Bhal, D.D. (2021). Pathological studies on spontaneously occurring liver conditions of goats (*Capra hircus*) in southern region of Rajasthan. The Pharma Innovation Journal, SP-10(8): 85-91.

41. Purohit, P.K., Purohit, K., Singh, G., Rathore, A., and Bhal, D.D. (2021). Pathological studies on spontaneously occurring liver conditions of goats (*Capra hircus*) in southern region of Rajasthan. The Pharma Innovation Journal, 10(8S): 85-91.
42. Purushottam, Meshram, B., Kumari, A. and Kamble, M. (2021). Histomorphological Studies on the Gallbladder in Guinea Fowl (*Numida meleagris*). Indian Journal of Veterinary Anatomy, 33 (2):130-131.
43. Purushottam, Meshram, B., Kumari, A., Kumari, M. and Nitika (2022). Histomorphological and histochemical studies on the cystic duct in guinea fowl (*Numida meleagris*). The Pharma Innovation Journal, SP-11(7): 1758-1760.
44. Purushottam, Meshram, B., Kumari, A., Kumari, M. and Nitika. (2022). Histomorphological and histochemical studies on the common hepatic duct in guinea fowl (*Numida meleagris*). The Pharma Innovation Journal, SP-11(7): 1761-1763.
45. Purushottam, Meshram, B., Kumari, M., Kumari A. and Gena, R. (2022). Histomorphological and histochemical studies on the pancreatic duct in guinea fowl (*Numida meleagris*). The Pharma Innovation Journal, SP-11(7): 1930-1933.
46. Rahman, Z., Hazarika, M., Das, A., Baruah, A.G., Sarkar, B.K., Upadhyay S., Gogoi, P., Choudhury, S., Jebin, N., Chavhan, D.M. and Deuri, D. (2021). Effect of age on meat quality characteristics of swamp buffaloes. Haryana Veterinarian, 60(2): 244-246.
47. Ram, R., Goyal T.C., Bansal, G.K., Kumar R. and Meena, S. (2022). Constraints in utilization of e-resources by postgraduate students of RAJUVAS Bikaner. The Pharma Innovation Journal, SP-11(2): 566-569.
48. Ram, R., Goyal T.C., Bansal, G.K., Kumar R. and Meena, S. (2022). Extent and utilization pattern of e-resources among postgraduate students of RAJUVAS Bikaner. The Pharma Innovation Journal, SP-11(2): 920-924.
49. Ram, R., Goyal T.C., Bansal, G.K., Kumar R., Singh, C.P. and Budania, H. (2022). Awareness about e-resources among postgraduate students of RAJUVAS Bikaner. The Pharma Innovation Journal, SP-11(2): 925-928.
50. 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/ajdrf.DR-1866.
51. Saini, S., Bhat, R.A. and Waiz, H.A. (2021). A study on steroidogenic elaborations of stroma and their regulation in response to ovarian hormones in goats. Animal Reproduction Science. <https://doi.org/10.1016/j.anireprosci.2021.106748>
52. Sharma, A., Meshram, B., Singh, G. and Kaushik, P. (2022). Gross anatomical in-vitro disquisition on brain and the pituitary gland of Kadaknath (*G. gallus domesticus*) birds, The Pharma Innovation Journal, SP-11(7): 3902-3906.
53. Sharma, D.K., Singathia, R., Rathore, K. and Sain, A. (2021). Bovine Brucellosis Outbreaks and their Successful Management by Adulthood Vaccination at Udaipur Region of Southern Rajasthan. International Journal of Livestock Research, 11(5):11-16.
54. Sharma, R.K., Singh, G., Purohit, K., Sharma, D.K., Kumari, M., Arora, S. and Limbat, R. (2021). Microbiological studies on diarrhoeic sheep in southern Rajasthan. The Pharma Innovation Journal 2021, SP-10(8): 969-972.
55. Sharma, R.K., Singh, G., Purohit, K., Sharma, D.K., Kumari, M., Arora, S. and Limbat, R. (2021). Microbiological studies on diarrhoeic sheep in Southern Rajasthan. The Pharma Innovation Journal, 10(8S): 969-972.
56. Sharma, R.K., Singh, G., Purohit, K., Sharma, D.K., Kumari, M., Arora, S. and Limbat, R. (2021). Microbiological studies on diarrhoeic sheep in Southern Rajasthan. The Pharma Innovation Journal, SP-10(8): 969-972.
57. 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, SP-11(7):3447-3450.
58. Shende, K., Dhuria, R.K., Meel, M., Nagar, M.K. and Jedia, H.K. (2021). Effect of Turmeric (*Curcuma longa*) Powder and Synbiotic as Alternative to Antibiotic Growth Promoter on Haemato-biochemical Parameters, Comparative Economics and Mortality of Broiler Chicks. International Journal of Bio-resource & Stress Management, 12(2): 125-130.
59. Singh, G., Meshram, B. and Joshi, H. (2021). Macroscopic, Histomorphological and Histochemical Studies on the Kidneys of Guinea Fowl (*Numida meleagris*), Indian Journal of Animal Research, 55 (12): 1446-1453.
60. Singh, G., Meshram, B., Joshi, H. and Parmar, N. (2022). Gross and Morphometrical Studies on Different Cervical Vertebrae in Dromedary Camels. Journal of Camel Practice and Research, 29(1): 1-7.
61. Solanki, S. Sharma, D.K., Singathia, R., and Devi, D. (2021). Prevalence of bovine subclinical mastitis in Sirohi district of Rajasthan. The Pharma Innovation Journal, 10(7): 174-177.

62. Solanki, S., Sharma, S.K., Purohit, K., Joshi, M., Gaurav, A. and Devi, D. (2021). Isolation and identification of some most important bacterial pathogens from sub clinical mastitis of bovine in Sirohi, Rajasthan. The Pharma Innovation Journal, SP-10(11): 2983-2992.
63. Surendra, Gaurav, A., Choudhary, D., Sharma, S., Vachaspati H. and Nagar, M.K. (2022). A survey of poultry farmers of Udaipur district regarding the farm production, hygiene and biosecurity measures. The Pharma Innovation Journal, SP-11(7): 421-424.
64. Tosawada, K., Waiz, H.A., Shende, K.A. and Joshi, M. (2021). Impact of space allowance on growth performance and physiological responses of Sirohi kids reared under intensive management system. The Pharma Innovation Journal, 10(9):333-337.
8. Choudhary, S., Karnani, M., Manju and Chharang, D. (2021). Nutritional Management for Healthy Dogs and Cats. Intas Polivet, 21 (II): 448-455.
9. Choudhary, S., Mohammed, N., Singh, R., Nagar, J.K., Kala, C., Meena, A.K., Soni, R.K., Meena, P. and Choudhary, K. (2021). Incidence and Clinical Manifestations on Diabetes Mellitus in Canines. International Journal of Current Microbiology and Applied Science, 10 (7): 1-7.
10. Choudhary, V., Ghorui, S.K., Gupta, A., Yadav, S. and Choudhary, M. (2021). Molecular detection of *Trypanosoma evansi* in camel (*Camelus dromedarius*) using internal transcribed spacer 1 of Ribosomal DNA from Bikaner, India. Journal of Camel Practice and Research, 28 (1): 69-73.
11. Chouhan, A.K., Pilania, P.K., Monika, Rathore, B., Gupta, A., Sodha, D.B. and Pateer, D.P. (2021). Prevalence of Gastrointestinal Helminthic Infections in Black Bucks (*Antelope cervicapra*) of Tal Chhapar Sanctuary of Rajasthan. Indian Journal of Animal Research. DOI: 10.18805/IJAR.B-4388
12. Das, J., Singh, R., Bamniya, Y. and Kumar, P. (2021): Surgical management of cutaneous horn (cornucutaneum) in a buffalo: a case report. Ruminant Science, 10 (1) 209-210.
13. Gurjar, T., Dadhich, R., Singh, G., Shringi, N. and Arora, A.S. (2021) Histopathological findings in glomeruli of sheep in southern region of Rajasthan. The Pharma Innovation Journal, SP-10 (10): 1426-1428.
14. Harizan, I.M., Khinchi, R.K., Manju, Sharma, S.K. and Meena, V.K. (2021). Alterations in haemato-biochemical and oxidative stress indices in dogs affected with parvoviral enteritis. The Pharma Innovation Journal, SP-10(8): 428-431.
15. Kant, L., Ranjan, A., Sankhala, L.N., Meena, A. and Kumar, L. (2022). Effect of meloxicam co-administration on pharmacokinetics of cefquinome following intramuscular administration in dromedary camel (*Camelus dromedarius*). The Pharma Innovation Journal, SP-11 (4): 750-755
16. Kaur, S., Kumari, A., Negi, A.K., Galav, V., Thakur, S., Agrawal, M. and Sharma, V. (2021). Nanotechnology Based Approaches in Phage Therapy: Overcoming the Pharmacological Barriers. Frontiers in Pharmacology, 12: 1-18.
17. Kaushal, M., Joseph, B., Prakash, C. and Shekhawat, S.S. (2020). Virulotyping of *Salmonella enterica* Typhimurium isolated from chicken meat samples. Indian Journal of Veterinary Research, 29 (1): 13-17.
18. Monika, Gupta, A., Gujar, G. and Shringi, B.N. (2021). Gastrointestinal parasitoses in bovine calves with special reference to cryptosporidiosis in semi arid

Research Publications, PGIVER, Jaipur

1. Ambedkar, Y.R., Pandey, A., Sharma, S., Soni, A., Mathur, M., Suradkar, U., Chowdari, S. and Saini, A. (2021) A study on effect of pH on ageing pork quality under different storage conditions. The Pharma Innovation Journal, 10 (4): 395-398.
2. Ambedkar, Y.R., Pandey, A., Sharma, S., Soni, A., Suradkar, U., Saini, A., Kumari, S. and Mathur, M. (2021): A study on the effect of ageing pork at varying time, temperature and packaging combinations on its colour. The Pharma Innovation Journal, SP-10 (5): 108-111.
3. Aslam, M., Madhu, S.V., Sharma, K.K., Sharma, A.K. and Galav, V. (2021). Hyperleptinaemia and its Association with Postprandial Hypertriglyceridemia and Glucose Intolerance. Indian Journal of Endocrinology and Metabolism, 25: 443-449.
4. Bargujar, J., Meena, D.S., Singh, A.P., Sharma, S., Choudhary, S., Saini, S., Singh, Y.P. and Jeph, N.K. (2021). Clinical observations of renal failure in dogs. The Pharma Innovation Journal, SP-10(6): 28-34.
5. 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.
6. Chand, S., Meena, B.S., Yadav, S.P., Yadav, M.L., Baindha, A. and Sharma, N.K. (2021). Ethno-veterinary Practices Followed by Farmers for Treatment of Reproductive Disorders in Dairy Animals. International Journal of Livestock Research, 11 (6): 65-70.
7. Chharang, D., Choudhary, S., Karnani, M. and Manju (2021). Digestive Physiology, Microbial Ecology and Nutritional Requirement of Asian Elephants. Intas Polivet, 21 (II): 533-539.

- Rajasthan- A pilot study. *Ruminant Science*, 10 (1): 183-190.
19. Mundotiya, H., Dadhich, R., Singh, G., Gurjar, T. and Arora, A.S. (2021). Parasitic infestation in liver of sheep in southern region of Rajasthan. *The Pharma Innovation Journal*, SP-10 (9): 25-28.
20. Ninama, U.K., Singh, S., Singh, Y.P. and Parashar, M.C. (2022). Computed radiographic measurement of different thoracic parameters in healthy German Shepherd dogs. *Haryana Veterinarian*, 61 (SI): 56-59.
21. Sankhala, L.N., Ranjan, A. and Suvidhi (2021). Clinical and haematological studies of repeated dose oral imidacloprid toxicosis in white leghorn broilers and its amelioration by cow urine distillate. *Veterinary Practitioner*, 22 (1): 133-136
22. 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
23. Singh, J., Dhuria, R.K. and Karnani, M. (2022). In vitro digestibility and gas production on complete feed supplemented with *Withania somnifera* and *Leptadenia reticulata* herbs in goats. *Indian Journal of Small Ruminants*, 28 (1): 70-74.
24. 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) 144-150.
25. Singh, N., Singh, S., Palecha, S. and Bishnoi, P. (2021) Surgical management of evisceration- A Report of Two Antelops. *Intas Polivet*, 21 (1): 261-262.
26. Singh, S., Kumar, S., Diwedi, S., Singh, N., Palecha, S. and Bishnoi, P. (2021) Clinical evaluation and surgical management of dermoids cysts in camels. *Journal of Entomology and Zoology Studies*, 9 (2): 252-254.
27. Singh, S., Palecha, S., Bishnoi, P. and Gahlot, T.K. (2021): Oesophageal Obstruction in Dromedary Camels: Report of 4 Cases. *Journal of Camel Practice and Research*, 28 (2): 197-200.
28. Singh, Y.P., Kumar, V., Parashar, M.C. and Singh, S. (2020). Management of a large ventro-lateral abdominal hernia in Tharparkar cattle using Polypropylene mesh- a case report. *Ruminant Science*, 9 (2): 399-400.
29. Singodia, M., Rewani, S.K., Rajput, D.S. and Tak, L. (2021). Health Services Availed by Livestock Farmers in Jaipur District of Rajasthan. *Ruminant Science*, 10 (1): 133-138.
30. Sodha, D.B., Pilania, P.K., Monika, Chouhan, A.K. and Joshi, S.P. (2021). Epidemiological studies on gastrointestinal helminthic infections in dairy animals of transitional plain in Luni basin of Rajasthan. *Journal of Animal Research*, 11 (3): 539-546.
31. Suvidhi, Sankhala, L.N., Pal, Y., Legha, R.A., Karela, P. and Dedar, R.K. (2021) Lipid lowering and antioxidant activity of flavonoid diosmin and hesperidin supplementation in donkeys. *The Pharma Innovation Journal*, SP-10 (11): 224-228.
32. Tanwar, R., Sharma, V., Karnani, M., Choudhary, S. and Manju (2021). Effects of Supplementation of Aloe vera (*Aloe barbadensis*) and Tulsi (*Ocimum sanctum*) as Feed Additives on Performance of Broiler Chickens. *Indian Journal of Animal Nutrition*, 38 (3): 304-309.



Book Chapters and Popular Articles Published

Books/ Booklets/ Book Chapter/ Review article/ Booklets/ Popular article/ Training Manuals/ Any other Publication:

- ❖ Dr. A.P. Singh Working as Executive Editor of NAAS Rated Journal "Veterinary Practitioner".
- ❖ Dr. Anil Ahuja working as Editor the "Journal of Canine Development & Research" an annual publication.
- ❖ Veterinary Jurisprudence, Eight Edition (2022), Editor S.N. Sharma, A.K. Gahlot, R.K. Tanwar and A.P. Singh NBS Publisher Bikaner.
- ❖ Dr. R.K. Dhuria has published following Training manuals, Technical booklets and popular articles
 - Training manual on "बैकयार्ड मुर्गी पालन एवं प्रबंधन" under SC-SP sponsored by ICAR (2021).
 - Training manual on "उन्नत बकरी पालन एवं प्रबंधन" under SC-SP sponsored by ICAR (2021).
 - Training manual on Diagnostic tool for control, treatment and eradication of Livestock Diseases under Assistance to States for Control of Animal Diseases (ASCAD)

Technical Booklets

- ❖ Kapas (Narma) ki Unnat Kheti released by KVK, Nohar, Hanumangarh
- ❖ Mungfaliki Unnat Kheti released by KVK, Nohar, Hanumangarh

Popular article

- ❖ Metabolic diseases in farm animals and their management, 2022, ASCAD training manual.
- ❖ Dr Sunita Pareek wrote a chapter in training manual on "Diagnosis of infectious diseases of livestock and poultry during outbreaks" with topic "Hematological and biochemical examination for disease diagnosis" organized by apex center for animal disease investigations, monitoring and surveillance, HRD, RAJUVAS, Bikaner.
- ❖ Dr Sunita Pareek wrote a chapter in Training manual on "Diagnostic tools for control, treatment & eradication of livestock disease" with topic "Routine disease diagnosis procedures related to biochemical parameters and rumen fluid examinations" under ASCAD programme organized by Directorate of Extension Education, RAJUVAS, Bikaner
- ❖ Dr. Dinesh Jain has published following Bulletins and popular articles
 - Pashuaahar and chara bulletin (April- June 2021), Year 06, Issue 04, LFRMTC, RAJUVAS, Bikaner
 - Pashuaahar and chara bulletin (July-September 2021), Year 07, Issue 01, LFRMTC, RAJUVAS, Bikaner
 - Pashuaahar and chara bulletin (October- December 2021), Year 07, Issue 02, LFRMTC, RAJUVAS, Bikaner

- Pashuaahar and chara bulletin (January- March 2022), Year 07, Issue 03, LFRMTC, RAJUVAS, Bikaner
- दिनेश आचार्य, महेंद्र सिंह मनोहर, डॉ. लूणाराम एवं डॉ. दिनेश जैन-बंजर भूमि को चारा उत्पादक बनाएँ, पशु आहार एवं चारा बुलेटिन, अप्रैल-जून, 2021
- डॉ. अभिषेक शर्मा, डॉ. तारा बोथरा एवं डॉ. दिनेश जैन-ऑर्गेनिक ब्रोयलर मीट उत्पादन पशु आहार एवं चारा बुलेटिन, अप्रैल-जून, 2021
- डॉ. सुनील अरोड़ा, डॉ. विकास कुमार शर्मा, डॉ. तारा बोथरा एवं डॉ. दिनेश जैन- शुष्क क्षेत्रों में ऊंटों की देखभाल एवं पोषण, पशु आहार एवं चारा बुलेटिन, अप्रैल-जून, 2021
- डॉ. दिनेश जैन, डॉ. तारा बोथरा एवं डॉ. भूपेंद्र कस्वा-कोरोना महामारी में पशुपालकों को रखने वाली सावधानियाँ, पशु आहार एवं चारा बुलेटिन, जुलाई-सितम्बर, 2021
- डॉ. दिनेश जैन, दिनेश जैन, महेंद्र सिंह मनोहर एवं डॉ. लूणाराम-जलवायु परिवर्तन का कृषि एवं पशुपालन पर प्रभाव, पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसम्बर, 2021
- दिनेश आचार्य, महेंद्र सिंह मनोहर, डॉ. उमेश कुमार प्रजापत एवं डॉ. दिनेश जैन-प्रोम खाद द्वारा मृदा की उर्वरा शक्ति को बढ़ाएँ, पशु आहार एवं चारा बुलेटिन, जनवरी-मार्च, 2022
- ❖ Dr. Rajesh Nehra published following popular articles
 - पशुओं में बांझपन प्रबंधन, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-29 मार्च, 4 अप्रैल-2021 पृष्ठ-8
 - पशुधन फार्म में रिकार्ड रखने का महत्व, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-14 जून, 20 जून 2021 पृष्ठ- 7
 - चारे को कुट्टी बनाने की विधि और फायदा, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-5 जुलाई, 11 जुलाई 2021 पृष्ठ- 5
 - वर्षा ऋतु में पशुओं की देखभाल, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-8 अगस्त 2021
 - यूरियामोलासेस उपचारीत चारे के ब्लॉक तैयार करना, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-27 सितम्बर, 3 अक्टूबर 2021 पृष्ठ 7
 - ए-2 नही आर्गेनिकमिल्क, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-18 अक्टूबर, 24 अक्टूबर 2021
 - पशुओं में बांझपन के कारण और निवारण, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-25 अक्टूबर, 31 अक्टूबर 2021 पृष्ठ- 7
 - पशुआहार के विभिन्न घटक, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक-1 नवम्बर, 7 नवम्बर 2021 पृष्ठ- 7
 - पशुआहार खुराकसे बढ़ेगा दूध, राजस्थान पत्रिका दिनांक:-23 दिसम्बर 2021
 - पशुआहार में खनिज लवणों की उपयोगिता, राजस्थान पत्रिका दिनांक:-13 जनवरी 2022
 - पशुआहार में सोडियम व लौह तत्व को दे प्राथमिकता, राजस्थान पत्रिका दिनांक:-20 जनवरी 2022.06.29
 - पशुओं के रोग-दुग्ध ज्वर गाय में से में कैल्शियम की कमी बन रही कारण, राजस्थान पत्रिका दिनांक:-24 फरवरी 2022.06.29
 - गर्भित गाय की देखभाल, हलधर टाईम्स-(साप्ताहिक समाचार) दिनांक:-14 मार्च, 20 मार्च 2022
- ❖ Prof. Basant Bais wrote two popular hindi articles in Haldhar Times
 - गौ संरक्षण एवं संवर्द्धन का महत्व in Haldhar times. 9-15 August 2021

- डेयरी क्षेत्र में स्वच्छ भारत की प्रासंगिकता : प्रदूषण स्वास्थ्य in Haldhar Times 7. February
- ❖ Dr. Parma Ram Gorachiya and Basant wrote article *Donkey Milk: An Alternative Source of Human Milk and Its Functional Uses* published in The science world Magazine.
- ❖ Dr. Parma Ram Gorachiya and Basant wrote article *Designer egg: A new approach towards healthy life style* published in Nature Science Magazine.
- ❖ Dr. Pankaj Kumar Thanvi wrote an article *Clean Milk Production: A Wide Role in Livestock Production & Management* published in The Science World a Monthly e- Magazine, April, 2022; 2(4), 407-411
- ❖ Dr Pramod Kumar and Dr Dhramveer Singh were editors for the book 'Fundamental Animal Reproduction' - Basics of Animal Reproduction for field vet and budding Veterinarian and Paravet in Hindi language Published by NBS Publisher and Distributor with ISBN No: - 81-86800-02-6
- ❖ Dr. Deepika Dhuria, wrote 2 book chapters *Brucellosis in Livestock and its public Health Significance* "The One Health Approach" Royal Imaging, Vallabh nagar, Udiapur. 2022 ISBN: 979-84-468716-4-3 and *Biosecurity measures for control of Zoonotic Diseases*.
- ❖ Dr. Rajani Joshi wrote a book chapters "Setup of Biosafety Laboratories for Zoonotic Diagnosis"
- ❖ Dr. Manohar Lal Sain , wrote a book chapters "Importance of Blood and Urine Examination in Livestock Disease Diagnosis"
- ❖ Sudesh Kumar*, Kritika Dhial, Taruna Bhati (July 2021). Wildlife: Understanding the Tracks and Signs. The Science World 1(3): 65-70.
- ❖ Sudesh Kumar*, Kritika Dhial, Taruna Bhati (Oct 2021). DNA Microarray: Gene Expression and Analysis Technology. The Science World 1(6): 24-29.
- ❖ B.N. Shringi and Kritika Gahlot (2022). Chapter on Advances in Laboratory Diagnosis. "Diagnosis Tools for Control, Treatment and Eradication of Livestock Diseases" under ASCAD Programme organised by Directorate of Extension Education, RAJUVAS, Bikaner on 1 to 15 March 2022.
- ❖ B.N. Shringi, Monika Shekhawat and S.S. Soni (2022). Chapter on "Collection, Preservation, Packing and Transport of Laboratory Samples" under ASCAD Programme organised by Directorate of Extension Education, RAJUVAS, Bikaner on 1 to 15 March 2022.
- ❖ Taruna Bhati (2022). Chapter on "Diagnostic tools for Control, Treatment & Eradication of livestock diseases" under ASCAD Programme organised by Directorate of Extension Education, RAJUVAS, Bikaner on 1 to 15 March 2022.
- ❖ Taruna Bhati (2022). Chapter on "Bacteriological culture and ABST" Training manual, held at CVAS, Bikaner, RAJUVAS held at Apex Centre for Animal Disease Investigation Monitoring and Surveillance on March 2022.
- ❖ A. K. Pandey, M. K. Agarwal, P. Mohata, C. Sharma, K. Gahlot, M. Purva, K dhial and B. N. Shringi. Chapter on Loop mediated isothermal amplification (LAMP) of DNA: Future point-of-care diagnosis approach under DST-SERB sponsored workshop on Genome Analysis Methods for Molecular Genetic Studies and Disease Diagnosis organised by ICAR-NRCC, Bikaner on 09-10 March 2022.
- ❖ Amit Kumar Pandey, Muku lPurva, Kritika Gahlot, Kritika Dhial, Shanti Swaroop Soni, B.N. Shringi. Chapter on Enzyme linked Immunosorbent assay and its application under Diagnosis of Infectious Diseases of livestock and poultry during outbreaks-Training manual, held at CVAS, Bikaner, RAJUVAS held at Apex Centre for Animal Disease Investigation Monitoring and Surveillance on March 2022.
- ❖ Kritika Gahlot, Mukul Purva, Kritika Dhial, Amit Kumar Pandey, B.N. Shringi. Chapter on PCR and Electrophoresis: Gold Standard Tool to Disease Diagnosis under Diagnosis of Infectious Diseases of livestock and poultry during outbreaks-Training manual, held at CVAS, Bikaner, RAJUVAS held at Apex Centre for Animal Disease Investigation Monitoring and Surveillance on March 2022.
- ❖ Amit Kumar Pandey, Mukul Purva, Kritika Gahlot, Kritika Dhial, Shikha Bishnoi, Chaitry Sharma, Brij Nandan Shringi. Chapter on Latest Analytical Ligands and Diagnostic Approaches, a way towards point of care Diagnosis-Training Manual, held at CVAS, Navania, Udaipur, Rajasthan held at Department of Veterinary Microbiology, CVAS, Navania, Udaipur.
- ❖ S.S. Soni, Monika Shekhawat and Shivali Khandelwal. Chapter on Avian Influenza in Birds-Training manual, held at CVAS, Bikaner, RAJUVAS held at Apex Centre for Animal Disease Investigation Monitoring and Surveillance on March 2022.
- ❖ Taruna Bhati, Kritika Gahlot and Monika Shekhawat (2022). Chapter on MALDI-TOFF MS Analysis for Bacterial Identification in training manual on Recent Advances in Diagnosis and Management of Zoonotic Diseases pp-93-99 organized by NRCC-ICAR, Bikaner.
- ❖ Amit kumar Pandey, Mohit Jain, Shikha Bishnoi, Ankita Sharma, Jai Prakash Kachhawa, Sunita Pareek, Taruna Bhati. (2022) chapter on Application of Elisa for Rapid Disease diagnosis. Training manual on Nucleic acid and protein based techniques for the detection of pathogens.pp-21-27 organised by Apex Centre for Animal Disease Investigation Monitoring and Surveillance
- ❖ Naveen Kumar, Mahesh Kumar, Manish Kumar Verma, Sivaraman Ramanarayanan, Amita Ranjan and Rakesh Ranjan (2021) Bioactive effects and safety profiles of

fenugreek (*Trigonella foenum-graecum* L.) for pharmaceutical and medicinal applications. The Pharma Innovation Journal, SP-10(12): 912-919.

- ❖ डॉ. नीशाली गुर्जर, डॉ. पूजा प्रजापत, एवं डॉ. तारा बोध भीषण गर्मी में कैसे करें पशु पोषण पशु आहार एवं चारा बुलेटिन, जुलाई- सितम्बर, 2021
- ❖ डॉ. सुनील अरोडा, डॉ. दिनेश जैन एवं डॉ. तारा बोधरा- पशुओं में कृमिनाशक एवं नमक की उपयोगिता जुलाई- सितम्बर, 2021
- ❖ डॉ. जेनू परमार एवं डॉ. तारा बोधरा- आइये देखे ग्वायपाता की उपयोगिता पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसम्बर, 2021
- ❖ डॉ. पलक गुप्ता, डॉ. दिनेश जैन एवं डॉ. तारा बोधरा- ग्रेनसेन्स एनालाइजर अनाज की गुणवत्ता को कभी भी बकरी भी मापने की सहज विधि, पशु आहार एवं चारा बुलेटिन, जुलाई- सितम्बर, 2021
- ❖ डॉ. जेनू परमार एवं डॉ. तारा बोधरा- विलायती बबूल की महत्ता जनवरी-मार्च, 2022
- ❖ डॉ. विकास कुमार शर्मा डॉ. सुनील अरोडा एवं डॉ. तारा बोधरा-शुष्क एवं अति शुष्क क्षेत्रों में तुम्बा की पशुपालन में उपयोगिता जनवरी- मार्च, 2022

Expert lecture delivered by faculty

1. Expert lecture was delivered by Prof. Basant Bais as guest speaker on the topic "Contribution of animal biodiversity in ecological balance" on May 21, in the National Webinar entitled *New Horizons in livestock health and production* Organized by Department of Agriculture (faculty of science), Jagannath University, Jaipur.
2. Expert lecture delivered online via digital media on Organic milk production- A Sustainable and holistic tool for rural livelihood in India in 3 days(31-07-21 to 02-08-21) skill development training programme organized by *Sustainability & Better management of energy, Banswara A2 Milk and Desi ghee farmers producers Company Ltd* at RAJUVAS campus
3. Expert lecture delivered by Prof. Basant Bais on Value Added Milk Products on 04/12/2021 in Seven days training programme Processing and Value Addition of Milk under NAHEP Development of Entrepreneurial Skill among Rural Youth organized by SKRAU, Bikaner
4. Expert lecture delivered on Value Added Poultry Meat and Egg Products for human consumption in hindi by Prof. Basant Bais, on 18/12/2021 during Seven days training programme under NAHEP Entrepreneurship Development in Rural Youth through Poultry Farming. Period: 16 to 22 December 202 organized by SKRAU, Bikaner.
5. Expert lecture delivered on Role of animal biodiversity in maintaining ecosystem by Prof. Basant Bais, on 22 Feb.2021 in the webinar (*Gyan Ganga Programme- A faculty development programme*) a State Level Online Training Programme Jointly Organized by Commissionerate College Education, Rajasthan & Department of Botany & Zoology, Govt. M. S. College for women, Bikaner.
6. Lecture delivered by Dr. Praveen Kumar Pilania on "Laboratory diagnostic protocols and procedure for

diagnosis of parasitic diseases of livestock" and incorporated in compendium for ASCAD training programme.

7. Dr. Tara Bothra and Dr. Dinesh Jain (2021) "Wildlife ecosystems, wildlife sanctuaries in state and country" in e-compendium (Add on certificate course) on wildlife care and management organised by Centre for studies on wildlife management and health.

Books/Book Chapter/Training Manuals/Any other Publication: CVAS, Navania

- ❖ Rajesh Singathia 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
- ❖ Dr Rajesh Singathia prepared course compendium for the five days' workshop on "Skill development in laboratory diagnosis of livestock diseases through advance tools and techniques" from 13-17 December, 2021.
- ❖ Dr Rajesh Singathia prepared compendium for the five days' workshop on "Diagnosis of Animal Diseases using conventional and molecular diagnostic methods for student of SC category" from 21-25 March, 2022.
- ❖ Virendra Singh and Rajesh Singathia (Jan 2022). Pashu me gal ghotu rog. *Krishi Bharti*. PP.24
- ❖ Karishma Rathore, Rajesh Singathia and Sudeep Solanki (March, 2022). Laboratory diagnosis of bacterial pathogens and antibiotic sensitivity testing PP- 80-90. In Compendium of five days' workshop on "Diagnosis of animal diseases using conventional and molecular diagnostic methods for student of SC category" from 21-25 March, 2022.
- ❖ Teena Gurjar, Rajesh Singathia, Deepak Kumar Sharma, Arpita Sain and Karishma Rathore (March, 2022). Agar gel electrophoresis of PCR products PP- 10-11. In Compendium of five days' workshop on "Diagnosis of animal diseases using conventional and molecular diagnostic methods for student of SC category" from 21-25 March, 2022.
- ❖ Deepak Kumar Sharma, Rajesh Singathia, Arpita Sain, Teena Gurjar and Sudeep Solanki (March, 2022). Detection of viruses from clinical PP-7-9. In Compendium of five days' workshop on "Diagnosis of animal diseases using conventional and molecular diagnostic methods for student of SC category" from 21-25 March, 2022.
- ❖ Rajesh Singathia, Deepak Kumar Sharma, Arpita Sain and Teena Gurjar (March, 2022). Polymerase chain reaction and its use in diagnosis of bacterial livestock diseases PP-5-6. In Compendium of five days' workshop on "Diagnosis of animal diseases using conventional and molecular diagnostic methods for student of SC category" from 21-25 March, 2022.

- ❖ Rajesh Singathia, Deepak Kumar Sharma, Arpita Sain and Teena Gurjar (March, 2022). Nucleic acid extraction and quantification. PP-1-4. In Compendium of five days' workshop on "Diagnosis of animal diseases using conventional and molecular diagnostic methods for student of SC category" from 21-25 March, 2022.
- ❖ Deepak Kumar Sharma, Rajesh Singathia, Arpita Sain and Teena Gurjar (March 2022). "Advance molecular techniques for diagnosis of livestock diseases. PP 2-12. In compendium of five days training programme on "Diagnostic tools or control, treatment and eradication of livestock diseases" for veterinary officers under ASCAD schemes organized by CVAS, Navania, Vallabhnagar, Uaipur from 7 to 11 March 2022.
- ❖ Sudeep Solanki, Rajesh Singathia, Karishma Rathore and A. Sain (March, 2022). "Identification of Bacterial pathogens" PP 18-28. In compendium of five days training programme on "Diagnostic tools or control, treatment and eradication of livestock diseases" for veterinary officers under ASCAD schemes organized by CVAS, Navania, Vallabhnagar, Uaipur from 7 to 11 March 2022.
- ❖ Rajesh Singathia, Arpita Sain and Teena Gurjar (Dec., 2021). Molecular techniques for diagnosis of different pathogens. pp 78-71. In course Compendium for five days workshop on "Skill development in laboratory diagnosis of livestock diseases through advance tools and techniques" organized by LIKES, CVAS Navania, Udaipur from December 13-17, 2021
- ❖ Rajesh Singathia and Deepak kumar Sharma (June, 2021). Dudharu pashao me thanella rog in training manual on Unnat pashupalan ev pashu upparbandhan vishyak. PP9-11.
- ❖ Chapter 'Role of ICT in Health Communication' in the book entitled 'The One Health Approach'. Published by Royal Imaging, Vallabhnagar, Udaipur & Jain Printer, Udaipur, (Raj) India (ISBN No. 979-84-468716-4-3; Year- 2022).
- ❖ Training under ASCAD –Talks and manuals delivered-Laboratory Diagnostic Protocols and Procedures for Diagnosis of Parasitic Diseases of Livestock
- ❖ Compendium chapter of Five Days Workshop on "Diagnosis of Animal Diseases using Conventional and Molecular Diagnostic Methods for Students of SC Category" from 21 to 25 March 2022
- ❖ Two Book chapters in IAAVR conference-OCCULAR PARASITIC INFECTIONS IN SPECIAL REFERENCE TO ZOONOTIC IMPORTANCE
- ❖ Phyto biotics: An alternative to combat antimicrobial resistance
- ❖ Lead paper- Parasitology in One health Umbrella
- ❖ Resource scientist in one health training at Uttarkashi from 21-25th April 2022- Manuals
- ❖ Folder on ectoparasites of animals
- ❖ As resource person: Training to Veterinary Officers in 5 days training program from 7/03/2022 to 11/03/2022 under ASCAD scheme
- ❖ M. Kumari, S. Chandar, S. Morwal, K. Purohit, G. Singh, R.K. Joshi. 2022. Ayurveda in Vtereinary: An alternative approach for livestock health. In Book: The One Health Approach. Pg 157-165. CVAS, Navania, Udaipur. India.
- ❖ Kamal Purohit, Gunjan, G. Singh, M. Kumari, A. Rathore, S. Solanki, H.M. Alam, R.K. Joshi. 2022. Molecular techniques in Diagnosis of Animal Diseases. In Book: The One Health Approach. Pg. 100-113
- ❖ Anita Rathore K. Purohit, G. Singh, M. Kumari, Sarjna Meena. 2022. Adverse effect of Parthenium hysterophorus L. on Ivestock and Human Health. In Book: The One Health Approach. Pg. 114- 121.
- ❖ S. Morwal, D. Dhuria, M. Kumari, H. M. Alam, S. Kumar, Kuldeep, N. S. Kuntal. 2022. Brucellosis in livestock and its public health significance. In Book: The One Health Approach. Pg. 122- 129.
- ❖ G. Singh, Kamal Purohit, M. Kumari, A. Rathore, D. K. Sharma. 2022. Postmortem examination and disease diagnosis. In compendium of five days train ing programme on "Diagnostic Tools or control, treatment and eradication of livestock diseases" CVAS, Navania, Udaipur (RAJUVAS) India.
- ❖ Kamal Purohit, G. Singh, M. Kumari, A. Rathore, S. Solanki, D. Sharma, H.M. Alam, and R.K. Joshi. 2022. Collection, preparation, preservation and dispatch, of biological samples for Diagnosis of animal diseases. In compendium of five days training programme on "Diagnostic Tools or control, treatment and eradication of livestock diseases" CVAS, Navania, Udaipur (RAJUVAS) India.
- ❖ M. Kumari, Kamal Purohit, D.K. Sharma, G. Singh, A. Rathore. 2022. Importance of blood and Urine examination in Livestock disease diagnosis. In compendium of five days train ing programme on "Diagnostic Tools or control, treatment and eradication of livestock diseases" CVAS, Navania, Udaipur (RAJUVAS) India.
- ❖ Molecular Techniques in Diagnosis of Animal Diseases. Kamal Purohit, Gunjan, Goverdhan Singh, Mamta Kumari, Anita Rathore, Sudeep Solanki, Hakim Manzer Alam and Rajeev Kumar Joshi, The One Health Approach.
- ❖ Chapter In ASCAD Scheme Compendium of Veterinary Officers Training held at CVAS, Navania, Udaipur from 7 to 11 March 2022. (Training Manual)
- ❖ Chapters In Book "The One Health Approach" (ISBN979-84-468716-4-3)
- ❖ Technology Intervention for Diagnosis of Zoonotic Disease.

- ❖ Concept of One Health and Farm Biosecurity.
- ❖ Veterinary Biochemistry Practical manual for 2nd Year B.V.Sc. & Ah.-Intermediary Metabolism
- ❖ Sandhya Morwal, Deepika Dhuria, Mamta Kumari, H.M. Alam, Santanu Kumar Kuldeep, & N.S. Kuntal (2022). Brucellosis in livestock and its public health significance. Page No., 122-129. The one health approach, ISBN NO. 979-84-468716-4-3, Print April 2022, by Dr. Sudeep Solanki, CVAS, Navania, Vallabhnagar, Udaipur (Rajasthan.).
- ❖ M. Kumar, S. Chandar, S. Morwal, K.Purohit, G. Singh, R.K. Joshi (2022). Ayurveda in Veterinary: - An alternative approach for livestock health. Pp 157-165. The one health approach, ISBN NO. 979-84-468716-4-3, Print April 2022.by Dr. Sudeep Solanki, CVAS, Navania, Vallabhnagar, Udaipur (Rajasthan).
- ❖ Hakim Manzer, Sudeep Solanki, Sandhya Morwal, M.S. Meel, Lokesh Gautam and Kamal Purohit (2022). Importance of one health approach in combating zoonosis: Indian Scenario. pp 218-224. The one health approach, ISBN NO. 979-84-468716-4-3, Print April 2022. by Dr. Sudeep Solanki, CVAS, Navania, Vallabhnagar, Udaipur (Rajasthan).
- ❖ Title: One Health Approach: The Methodical Tool for Ecology Savior Veterinarian Print ISBN: 979-84-468716-4-3, Balwant Meshram, Beri Hu Gebrekidan and Mrunali Kamble.
- ❖ Relevance of One Health concept in Parasitism. Hakim Manzer, Sudeep solanki, kamal Purohit, M S Meel, R K Joshi and Lokesh Gautam, *The One Health Approach*. 208-217. ISBN :979-84-468716-4-3
- ❖ Importance of One Health Approach in Combating Zoonosis: Indian Scenario. Hakim Manzer, Sudeep Solanki, Sandhya Morwal, M S Meel, Lokesh Gautam and Kamal Purohit. *The One Health Approach*. 218-224. . ISBN :979-84-468716-4-3
- ❖ An introductory Approach to phylogeny. L.Gautam, H. M. Alam M. S. Meel, S. Solanki and R. K. Joshi, *The One Health Approach*. 187-194. ISBN :979-84-468716-4-3
- ❖ Molecular Techniques in Diagnosis of Animal Diseases Kamal Purohit, Goverdhan Singh, Mamta Kumari, Anita Rathore, Sudeep Solanki, Hakim Manzer Alam and Rajeev Kumar Joshi, *The One Health Approach*. 100-113.. ISBN:979-84-468716-4-3
- ❖ Brucellosis in Livestock and its public health significance. Sandhya Morwal, Deepika Dhuria, Mamta Kumari, H. M Alam, Shantanu Kumar Kuldeep and N S Kuntal. *The One Health Approach*. 122-129. ISBN :979-84-468716-4-3

- ❖ Hakim Manzer and Jitendra Kumar. Molecular Techniques for Diagnosis of Parasitic Infection. Five Days Workshop on "Diagnosis of Animal Diseases using Conventional and Molecular Diagnostic Methods for Students of SC Category" 21 to 25 March 2022: 39

Books/Book Chapter/Training Manuals/Any other Publication: PGIVER, Jaipur

(I) Books

- पशु चिकित्सा विज्ञान (Veterinary Medicine) (ISBN : 978-81-940608-3-3). Dr. L.N. Sankhala, Dr. Yogesh Somvanshi, Dr. Manish Vashistha, Dr. Ashok Dangi, Dr. Murli Lal Mathur
- पशु पोषण (Animal Nutrition) (ISBN : 978-81-940608-5-7). Dr. L.N. Sankhala, Dr. Manish Vashistha, Dr. Ashok Dangi, Dr. Murli Lal Mathur
- पशु औषध विज्ञान (Veterinary Pharmacology) (ISBN : 978-81-940608-1-9). Dr. L.N. Sankhala, Dr. Manish Agrawal, Dr. Manish Vashistha, Dr. Ashok Dangi, Dr. Yashpal Jangir
- आनुवांशिकी एवं प्रजनन (Genetics and Breeding) (ISBN : 978-81-940608-4-0). Dr. Ashok Dangi, Dr. Mukesh Kumawat, Dr. Virendra Sharma, Dr. L.N. Sankhala, Dr. Nitin Jain
- पशु शरीर क्रिया विज्ञान (Veterinary Physiology) (ISBN : 978-81-940608-2-6). Dr. Ashok Dangi, Dr. Manish Vashistha, Dr. L.N. Sankhala, Dr. Dheeraj Pratap Singh
- पशु शरीर रचना विज्ञान (Veterinary Anatomy) (ISBN : 978-81-940608-0-2). Dr. Ashok Dangi, Dr. Manish Vashistha, Dr. L.N. Sankhala, Dr. Pradeep jangir
- पशुपालन प्रसार शिक्षा (Animal Husbandry Extension Education) (ISBN : 978-81-940608-7-1). Dr. Seema Sharma, Dr. Manish Vashistha, Dr. L.N. Sankhala, Dr. Sumit Choudhary
- पशु शल्य चिकित्सा (Veterinary Surgery) (ISBN : 978-81-940608-6-4). Dr. Manish Vashistha, Dr. L.N. Sankhala, Dr. Anil Gattani, Dr. Sumit Choudhary

(II) Manual

- Sharma, S.K., Joseph, B. and Agrawal, M. (2022). Compendium "Training on Techniques of Animal Disease Diagnosis and Control" (7th-11th March, 2022). Published Under ASCAD Program. ISBN Number: 978-93-83662-83-8.

(III) Book Chapter

- Patel, K.B., Galav, V. and Ramachandra, S.G. (2021). Planning and Designing of Laboratory Animal Facilities: In P. Nagarajan, Ramachandra Gudde and Ramesh Srinivasan (Eds.) (1st Edn.) *Essentials of Laboratory Animal Science: Principles and Practices* (ISBN No. 978-981-16-0987-9 eBook). Springer Nature, Singapore: pp 53-84.
- Meena, S., Dadhich, R., Vikas Galav, Agarwal and Sharma, S.K. (2022). Diagnostic Cytopathology in

- Veterinary Medicine. In Sharma, S.K., Joseph, B. and Agarwal, M. (Eds.) *Training Compendium on "Techniques of Animal Disease Diagnosis and Control"* (ISBN No. 978-93-83662-83-8). PGIVER, Jaipur (under ASCAD), Jaipur, Rajasthan, (INDIA): pp 23-31.
- Agarwal, M., Vikas Galav, Meena, S. and Dadhich, R. (2022). A Recap of Post-Mortem Examination. In Sharma, S.K., Joseph, B. and Agarwal, M. (Eds.) *Training Compendium on "Techniques of Animal Disease Diagnosis and Control"* (ISBN No. 978-93-83662-83-8). PGIVER, Jaipur (under ASCAD), Jaipur, Rajasthan, (INDIA): pp 32-38.
 - Vikas Galav, Agarwal, M., Meena, S. and Dadhich, R. (2022). Tissue Changes of No Clinical Significance. In Sharma, S.K., Joseph, B. and Agarwal, M. (Eds.) *Training Compendium on "Techniques of Animal Disease Diagnosis and Control"* (ISBN No. 978-93-83662-83-8). PGIVER, Jaipur (under ASCAD), Jaipur, Rajasthan, (INDIA): pp 32-38.
 - Galav, A., Vikas Galav, Sharma, S.K., and Agarwal, M. (2022). Fundamental Approach to Diagnosis of PPR. In Sharma, S.K., Joseph, B. and Agarwal, M. (Eds.) *Training Compendium on "Techniques of Animal Disease Diagnosis and Control"* (ISBN No. 978-93-83662-83-8). PGIVER, Jaipur (under ASCAD), Jaipur, Rajasthan, (INDIA): pp 32-38.
 - Manju, Khinchi, R.K., Choudhary, S., Karnani, M. and Meena, S. "Nutritional management of livestock in disaster" in "The one health approach.
 - Khinchi, R.K., Manju, Sharma, S.K. and Gaurav, A. "First aid management of farm and pet animals in medical emergency conditions" in "The one health approach.
- (IV) Popular Article**
- Gaur, K., Choudhary, S., Karnani, M. and Manju (2021). A to Z – The mineral story of poultry. *E – Pashupalan*, on 13.04.2021.
 - Sharma, J.K., Choudhary, S., Karnani, M. and Manju (2021). Protected nutrient technology and its impact on nutrients. *PashudhanPraharee* on 09.06.2021.
 - Choudhary, G., Choudhary, S., Karnani, M. and Manju (2021). Summer management of poultry. *PashudhanPraharee* on 16.06.2021.
 - Choudhary, G., Choudhary, S., Karnani, M. and Manju (2021). Heat stress in poultry: causes, effects, signs & solutions. *PashudhanPraharee* on 14.06.2021.
 - Gaur, K., Choudhary, S., Karnani, M. and Manju (2021). Benefits of Probiotics in Animal Health. *E- Pashupalan* on 11.06.2021.
 - Gaur, K., Choudhary, S., Karnani, M. and Manju (2021). Role of vitamins & minerals in immunity development in animals. *Pashu Sandesh* on 14.06.2021.
 - Choudhary, G., Karnani, M., Choudhary, S. and Manju. (2021). Role of fungi, its tolerance limits & measures to check them in stored products. *PashudhanPraharee*, 12th August, 2021.
 - Gaur, K., Karnani, M., Choudhary, S., Manju and Choudhary, G. (2021). Pesticide residues in feed and their impact on animal health and its product. *The Science World*.
 - Gaur, K., Karnani, M., Choudhary, S., Manju and Choudhary, G. (2021). Quality Assessment of Processed and Preserved Feed at Microbiological Level. *The Science World*.
 - Singh, R., Choudhary, A., Tiwari, R. and Meena, S. (2021). 'Paratuberculosis (Johne's Disease) in Cattle. *Pashudhan Praharee*.
 - Mittal, P.K., Gottam, G.S., Gupta, B. and Bilochi, D.R. (2022). Bacchra ya bachhri, pashuprajanan me vigyan ka chamatkar. *Kheti*, January, 2022.
 - Gaur, K., Karnani, M., Choudhary, S., Manju and Choudhary, G. (2022). An overview of Rumen Microbial System. *The Science World*, January 2022.
 - Choudhary, G., Karnani, M., Choudhary, S., Manju and Gaur, K. (2022). Effect of processing on nutritional value of feed. *The Science World*, February 2022.
 - Gaur, K., Choudhary, S., Karnani, M. and Manju (2022). Nutraceuticals: Let Food Be the Medicine. *The Science World*, March 2022.
 - मधुमक्खी पालन : एक लाभकारी व्यवसाय – डॉ. एल. एन. सांखला, डॉ. लोकेश टॉक, डॉ. मनीषा सिंगोदिया – पशुपालन नए आयाम, राजूवास पत्रिका जुलाई 2021
 - पशुओं में विषैले पौधों (सायनोजेनिक) की विषाक्तता, लक्षण व उपचार – डॉ. लक्ष्मी नारायण सांखला, डॉ. लक्ष्मी कान्त, डॉ. अभिनव मीणा, डॉ. ललित कुमार – दैनिक कामयाब कलम 08 दिसम्बर 2021 में प्रकाशित
 - पशुधन को पलायन से रोकना एक चुनौती : कल, आज और कल – डॉ. लक्ष्मी नारायण सांखला, डॉ. लक्ष्मी कान्त, डॉ. गाड़ा राम सैनी – दैनिक कामयाब कलम 30 दिसम्बर 2021 में प्रकाशित
 - पशुधन में यूरिया की विषाक्तता : लक्षण, उपचार एवं बचाव – डॉ. लक्ष्मी नारायण सांखला, डॉ. लक्ष्मी कान्त, डॉ. अभिनव मीणा – दैनिक कामयाब कलम 04 जनवरी 2022 में प्रकाशित
 - कीटनाशकों एवं फफूंदनाशकों का जनमानस पर दुष्प्रभाव : प्रयोग में सावधानियाँ – डॉ. लक्ष्मी नारायण सांखला, डॉ. लक्ष्मी कान्त, डॉ. अभिनव मीणा, डॉ. ललित कुमार – दैनिक कामयाब कलम 14 जनवरी 2022 में प्रकाशित
 - ठण्ड में होने वाली परेशानियों से रखें दूर सर्दियों में करें श्वान की उचित देखभाल – डॉ. लक्ष्मी नारायण सांखला – राजस्थान पत्रिका 10 फरवरी 2022 में प्रकाशित
 - 45 डिग्री तापमान में पशु बाड़े पर दे खास ध्यान – डॉ. लक्ष्मी नारायण सांखला – राजस्थान पत्रिका 24 मार्च 2022 में प्रकाशित
 - पशुओं के लिए सदाबहार अदम्य हरा चारा : अजोला – डॉ. लक्ष्मी नारायण सांखला, डॉ. सुविधि – दैनिक कामयाब कलम 21 मार्च 2022 में प्रकाशित

Seminar/ Symposia/Conference/Workshop/Trainings Attended

1. CVAS, Bikaner:

S. No.	Name of the Faculty member	Title of the event	Date
A. International Level			
1.	Dr. Rajani Joshi, Dr. Deepika Goklaney Dr. Manohar Lal Sain Dr. Tara Bothra Kritika Gahlot	International Webinar on "COVID -19 Where do we go from here to deal Zoonoses" organized by Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases (CDSRZ), Department of Veterinary Medicine, PGIVER, Jaipur, RAJUVAS	06 th July, 2021
2.	Dr. Taruna Bhati	International conference on Innovative and Current Advances in Agriculture and Allied Sciences (ICAAAS-2021) at Society Headquarter, Meerut (U.P.) India.	19 th -21 st July, 2021
3.	Dr. Pankaj Kumar Thanvi	Global webinar on Clinical Explication and Management of Cardio Pulmonary Emergencies in Dogs and Cats organized by Director Clinics, TANUVAS, Chennai, Tamilnadu.	18 th August, 2021
4.	Prof. Hemant Dadhich, Prof. Manisha Mathur, Prof. Basant Bais Dr. Indu Vyas, Dr. Manisha Mehra Dr. Shesh Asopa Dr. Sunita Pareek, Dr. Ruchi Maan Dr. Praveen K. Pilania Dr. Mohit Jain Dr. Rajani Joshi, Dr. Deepika Goklaney Dr. Manohar Lal Sain Dr. Pramod Kumar Dr. Amit Kumar	International Symposium on "Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry" and XXXVIII Annual Conference of Indian Association of Veterinary Pathologists and XII Annual Meeting of Indian College of Veterinary Pathologists, jointly organized by Rajasthan University of Veterinary and Animal Sciences, Bikaner, Indian Association of Veterinary Pathologist and Indian College of Veterinary Pathologists.	17 th -19 th December, 2021
5.	Dr. Pramod Kumar	International symposium on "Novel knowledge, innovative practices and research in theriogenology" organized by ISSAR and College of Veterinary and Animal Sciences, Mannuthy, kerala veterinary and animal sciences university, Kerala.	27 th -29 th December, 2021
6.	Dr. Praveen Bishnoi Dr. Sakar Palecha	International Conference on Radiation Biology, "Radiobiology in the Coming Decade: Translational Research in Combinatorial Therapeutics, Diagnostics, Nuclear Emergencies and Environmental Protection".	19 th -21 th January, 2022
7.	Dr. Ashok Dangi Dr. Pankaj Kumar Thanvi	International Symposium and 35th Annual Convention of Indian Association of Veterinary Anatomists on "Modern Concepts in Anatomy: New Era Tools in Health and Disease" organized by Department of Veterinary Anatomy, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana.	10 th -12 th March, 2022
8.	Shivali Khandelwal	EMBL International e-Conference on "From 3D light to 3D electron microscopy".	13 th -16 th March, 2022
9.	Dr. Shesh Asopa	International Webinar on "Opportunities in value addition to meat" organized by continuing Learning and Intensive Farming Skills and knowledge partner Alembic	13 th June, 2021.
B. National Level			
1.	Dr. A.K. Jhirwal	Participated in national webinar on poultry entrepreneurship development organized by college of veterinary science, Assam Agriculture University, Khanapara, Guwahati.	12 th -14 th July, 2021
2.	Dr. Pankaj Kumar Thanvi	National Webinar on "New Era window Vision for emerging Surgico-Diagnostic Techniques of Animals" on Organized by alembic Pharmaceuticals.	23 rd July, 2021
3.	Dr. Pankaj Kumar Thanvi	National webinar on "The Role of Circadian Clock in Maintaining Cardiac Function: A Molecular Overview" organized by College of Veterinary Science & A.H. Mhow, NDVSU Jabalpur (M.P.).	10 th August, 2021
4.	Prof. R.K. Dhuria	National Webinar on "Role of RKVY in improving the productivity in Livestock sector with reference to the Rajasthan organized by Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases, PGIVER, Jaipur.	28 th August, 2021

S. No.	Name of the Faculty member	Title of the event	Date
5.	Prof. R.K. Dhuria Prof. Basant Bais	National Webinar on "Veterinary Genomics and Bioinformatics as career option for Veterinary Graduates" under National Agricultural Higher Education Project organized by Livestock Innovation, Knowledge and Entrepreneurship Skill Centre, PGIVER, Jaipur.	03 rd September, 2021
6.	Prof. Basant Bais	National Webinar on "Fodder Management for Sustainable Livestock Production in Arid Zone" organized by SKRAU Bikaner	24 th July 2021
7.	Prof. Basant Bais Dr. Shesh Asopa	National webinar on "Compassion, Kindness and Commitment for Animals" organized by LIKES, Centre of PGIVER, Jaipur	16 th July 2021
8.	Dr. Sunita Pareek, Dr. Mohit Jain Dr. Lokesh Janagal	III Annual Conference and National Symposium on "Physiological Interventions for the Augmentation of Sustainable Animal Production" held at Department of Veterinary Physiology, CoVSc & AH, DUVASU, Mathura.	24 th -25 th September, 2021
9.	Dr. Taruna Bhati	Live webinar on Understanding Principles of Fluid Therapy in animals organised by Alembic Pharmaceuticals Ltd.	21 st January, 2022.
10.	Dr. Sunita Pareek, Dr. Mohit Jain Dr. Lokesh Janagal	30 th Annual conference and National symposium on 'Shifting basic physiological paradigm towards clinico-therapeutic innovative interventions for improvement in livestock health and production' organized by SAPI.	17 th -19 th February, 2022
11.	Dr. Amit Kumar Dr. Praveen Bishnoi Dr. S.K. Jhirwal Dr. Anil Bishnoi	National Symposium on "Recent trends in Surgical and Imaging Techniques for Enhancement of Productivity and Health Status of Farm and Pet Animals" organized by Indian Society for Veterinary Surgery and Department of Surgery and Radiology, College of Veterinary and Animal Sciences, GBPUAT, Pant Nagar, Uttarakhand.	24 th -26 th February, 2022
12.	Prof. Basant Bais	National Symposium of Indian Society for Buffalo Development (ISBD) on "Scientific interventions to address challenges for Sustainable Buffalo Production for sharing their experiences and expertise for deliberations on various issues related with Buffalo production, rearing and health organized by GADVASU, Ludhiana, Punjab, India in collaboration with ISBD, Hisar. Hybrid Mode. Online	10 th -11 th December 2021
13.	Dr. Sita Ram Gupta	XXXVII Annual conference of Indian Association of Veterinary Pathologist and XII annual Meeting of Indian College of Veterinary Pathologist and International Symposium on "Advances in Veterinary Pathology for diagnosis and Control of Emerging and Re-emerging Disease of Livestock, Wild Animals and Poultry	17 th -19 th December 2021
14.	Prof. Basant Bais	A New Era Window Vision for Emerging Surgico-Diagnostic Techniques of Animals organized by Alembic Pharmaceuticals LTD.	23 rd July 2021
15.	Dr. Shesh Asopa	National webinar on "Zoonotic potential of parasitic diseases of dog and cat origin" organized by Bihar Veterinary College, Patna	05 th June 2021
16.	Dr. Shesh Asopa	National webinar on "Snake bite in farm animals" organized by Veterinary Internal and Preventive Medicine Society, Post Graduate Institute of Veterinary and Animal Sciences, Akola, MAFSU, Nagpur	24 th April, 2021
C. Trainings/workshop			
1.	Dr. R.K. Dhuria	Virtual Annual Zonal Review Workshop of KVKs of Rajasthan organized by ICAR-Agricultural Technology Application Research Institute, Zone-II, Jodhpur (Rajasthan).	1 st -3 rd July, 2021
2.	Dr. Pankaj Kumar Thanvi	Online training cum Workshop on Application of Veterinary Anatomy in Context of Innovative Techniques" organized by College of Veterinary Science & A.H. Mhow, NDVSU Jabalpur (M.P.)	12 th -26 th July, 2021
3.	Dr. Taruna Bhati Dr. Ruchi Maan Dr. Rajni Arora	Training on "Concepts and applications of Pharmacology for meeting challenges of One Health in 21 st Century" held at Department of Veterinary Pharmacology & Toxicology, College of Veterinary Science & Animal Husbandry, Jabalpur, Nanaji Deshmukh Veterinary Science University, Jabalpur (M.P.).	12 th -01 st August, 2021
4.	Dr. Rajni Arora	Online Training Program On "Designing new age foods of animal origin organised by department of LPT, college of veterinary science and animal husbandry, MHOW.	2-10 August, 2021
5.	Dr. R.K. Dhuria	Workshop on Swacchta Action Plan 2021 -22 organized by Mahatma Gnadhi Council of Rural Education (MGNCRE), Department of Higher Education Ministry of Education, Government of India.	24 August, 2021
6.	Dr. Taruna Bhati Shivali Khandelwal	Training entitled "Recent Advances in Disease Diagnosis and Vaccines" held at Department of Veterinary Microbiology, College of Veterinary Science & A.H., N.D.V.S.U., Jabalpur (M.P.).	27-06 August, 2021

S. No.	Name of the Faculty member	Title of the event	Date
7.	Dr. Pramod Kumar	6 weeks online course on "Management of Infertility in cattle" organized by collaboration of DEE, TANUVAS, Chennai, Tamil Nadu & IIT, Kanpur and Commonwealth of Learning, Canada.	September-october, 2021
8.	Dr. Rajni Arora	Collaborative Online Training Program on "ICT Tools for Knowledge Management and Control of Emerging Zoonosis and Animal Health Threats" organised by KVASU (COHEART), Wayanad, Kerala & MANAGE, Hyderabad held on	20-23 September, 2021
9.	Dr. Rajni Arora	Collaborative online training programme on Health and feed management of dairy animals organised by SAU-GADVASU, Ludhiana And Manage, Hyderabad.	27-30 September, 2021
10.	Dr. Pankaj Kumar Thanvi	Online Training Application of Anatomy Clinical Practice and Forensics organized by College of Veterinary Science & A.H. Anjar, Durg (C.G.)	5-12 October, 2021
11.	Dr. Taruna Bhati	Training cum orientation programme on " Immunology- A tool for disease management" held at Department of Veterinary Microbiology, College of Veterinary Science & A.H., Mhow, N.D.V.S.U., Jabalpur(M.P.).	11-31 October, 2021
12.	Dr. Praveen Kumar Pilania	11 days online training program entitled "Novel approaches for controlling parasitic diseases with special reference to integrated parasite management" organized by the Department of Veterinary Parasitology, College of Veterinary Science & Animal Husbandry, NDVSU, Mhow, (M.P.).	20-01 October, 2021
13.	Dr. Praveen Kumar Pilania	21 days e- training on "Strategies for One Health Approach to Parasitic Diseases" organized by the Department of Veterinary Parasitology, College of Veterinary Science & Animal Husbandry, Jabalpur (M.P.), India.	09-29 November, 2021
14.	Dr. R.K. Dhuriya	Workshop of KVKs of Rajasthan, Hariyana and Delhi on "Current Status, Challenges and Prospects of Small Ruminant Livestock owners" held at Central Sheep and Wool Research Institute-ICAR.	20 November, 2021
15.	Dr. Ruchi Maan Dr. Taruna Bhati Dr. Mohit jain	30 days Massive Open Online Course (MOOC) on 'Digital Teaching Techniques' organized by ICAR- National Academy of Agricultural Research Management.	01-31 December, 2021
16.	Dr. Urmila Pannu Dr. Manju Nehara Dr. Aarti Nirwan Dr. Jayesh Vyas	Hand on training on application of molecular marker for improvement of livestock production conducted at equine production campus ICAR-NRCE.	06-07 December, 2021
17.	Dr. Rajni Arora	Participated in 03-days Online collaborative Training Program On "Application of Artificial Intelligence & Sensor based Technologies in Agriculture" organized by MANAGE, Hyderabad.	06-08 December, 2021
18.	Dr. R.K. Dhuria	State Level Workplan (2022) Workshop for KVKs of Rajasthan organized by ICAR - Agricultural Technology Application Research Institute, Zone-II, Jodhpur (Rajasthan).	07-08 January, 2022
19.	Dr. Manju Nehara	Winter school training program on integrating phenomic and genomic for improving livestock production, health and well being.	18-07 February, 2022
20.	Dr. Narendra Singh Rathore Dr. Amit Kumar Pandey	21 days winter school training on "Integrating Phenomics and Genomics for Improving Livestock Production Health and Well -Being" organised by Division of Animal Genetics, ICAR -IVRI, Izatnagar, U.P. (sponsored by Agricultural Education Division, ICAR New Delhi).	28-17 February, 2022
21.	Dr. Mohit Jain	5 day online elementary Faculty Development Program on 'Applications of CRISPR - Cas gene editing tool' organised by Maulana Abul Kalam Azad University of Technology, West Bengal and AICTE under ATAL portal.	07-11 February, 2022
22.	Dr. Pramod Kumar	3 weeks e-short course on "Municipal (Urban) Public Health Veterinarian" during organized by Department of Veterinary Public Health & Epidemiology, College of Veterinary Science & A. H., Mhow(M.P.).	07-27 February, 2022
23.	Dr. Praveen Kumar Pilania	10 days ICAR Sponsored Short Course (online mode) on "Detection and Mitigation of Antiparasitic Drug Resistance" organized by the Department of Veterinary Parasitology, College of Veterinary Science & Animal Husbandry, Nanaji Deshmukh Veterinary Science University, Jabalpur (M.P.).	08-17 February, 2022

S. No.	Name of the Faculty member	Title of the event	Date
24.	Dr. Rajani Joshi, Dr. Deepika Goklaney Dr. Manohar Lal Sain	Online Short Course on "Pathogenomics and Molecular Advances in Zoonoses Detection" organized by Centre for Zoonoses, Department of Veterinary Public Health & Epidemiology, Nagpur Veterinary College, Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, sanctioned by Indian Council Agricultural Research (ICAR), New Delhi.	16-25 February, 2022.
25.	Dr. Mohit Jain	5 day online elementary Faculty Development Program on 'Art and Science of Effective Teaching: Strategies and Methods' organised by Dev Samaj College for women, Chandigarh and AICTE under ATAL portal.	21-25 February, 2022
26.	Dr. Urmila Pannu Dr. Manju Nehara Dr. Aarti Nirwan Dr. Jayesh Vyas Dr. Taruna Bhati Kritika Gahlot Monika Shekhawat	DST-SERB sponsored workshop on Genomic analysis method for molecular genetic studies and diseases diagnosis organised by ICAR-NRCC, Bikaner.	09-10 March, 2022
27.	Shivali Khandelwal Kritika Dhial	DST-SERB sponsored Hands on Training on "Recent Laboratory Techniques for Molecular Genetic Analysis" organised by ICAR -National Research Centre on Camel, Bikaner-334 001 (Rajasthan) India.	11 March, 2022
28.	Shivali Khandelwal	International e-Workshop on 'Antimicrobial Resistance in Foodborne Pathogens: Safety Concern' organized under the aegis of DBT funded Indo-UK collaborative project entitled "Does antimicrobial resistance (AMR) in livestock contribute to AMR in people in North-East India? An interdisciplinary study investigating antibiotic use, drivers of AMR, and transmission dynamics" by the Division of Veterinary Public Health, ICAR-Indian Veterinary Research Institute, Izatnagar.	14-16 March, 2022
29.	Dr. Manju Nehara	10 days virtual training on "Genome wide association studies and its application in agriculture" organized by IASRI, New Delhi.	15-24 March, 2022
30.	Dr. Manju Nehara	7 Days National Online Training Program on "Use of Artificial Intelligence & Machine Learning for Revamping the Existing Animal Breeding Systems" organized by the Division of Animal Genetics and Breeding, FVSc and AH, SKUAST-Kashmir.	22-28 March 2022
31.	Dr. Tara Bothra	21 days ICAR National training on "Fisheries aquaculture and post harvest technology" organized by ICAR-CIFT. through online mode	10-30 May, 2022
32.	Dr. A.K. Jhirwal	15 days online training on "Use of IPR for protection of research and innovation in field of Veterinary, Agriculture and Horticulture".	23-06 June, 2022
33.	Dr. J.P. Kachhawa	Workshop on "Genome Analysis Methods for Molecular Genetic Studies and Disease Diagnosis" organized by ICAR-National Research Centre on Camel Bikaner	09-10, March 2022
34.	Dr. Sita Ram Gupta	ICAR sponsored 10 days short course on "Pathogenomic and Molecular Advances in Zoonoses Detection" organized by Department of Veterinary Public Health, Nagpur Veterinary College, MAFSU-Nagpur.	February 16-25 th , 2022
35.	Prof. Basant Bais	Value Addition to Sheep Products with Special Reference to Wool & Mutton organized by ICAR-CSWRI, Avikanagar, Rajasthan & MANAGE, Hyderabad	12-16 April, 2021
36.	Dr. Manisha Mehra	21 days training on "Concepts and Applications of Pharmacology for meeting challenges of One Health in 21st Century	12 July to 01 August 2021
37.	Dr. Manisha Mehra Dr. Shesh Asopa	Workshop on "Genome Analysis methods for molecular genetics studies and disease diagnosis" organised by NRCC, Bikaner	9-10 th March, 2022
38.	Dr. Manisha Mehra Dr. Shesh Asopa	21 days training on "Recent Advances in Veterinary Pathology for Intensive Livestock Development" organized by WBUAFS (West Bengal) and NADCL (J & K)	10 th to 30 th November, 2021.

2. CVAS, Navania:

S. No.	Name of the Faculty member	Title of the event	Date
A. International Level			
1	Dr. Vachaspati Narayan	International Webinar on 'Basics of Research Methodology and Use of Statistics in Biology' held on organized by the Research Cell, Departments of Mathematics and Statistics, Zoology and Botany.	01 April, 2021
2	Dr. Ramesh Chand Jat Dr. Sandhya Morwal	International webinar on "One health approaches during pandemics" organized by the center for tropical one health, Rajiv Gandhi Institute of veterinary education and research, Puducherry on	24 April, 2021
3	Dr. Vachaspati Narayan	International Webinar "Ecosystem Restoration Through Sustainable Biodiversity" In Collaboration with: ESW Society, Khajuraho, India organized by Zoology and Biotechnology Department.	5 June, 2021
4	Dr. Ramesh Chand Jat Dr. Vikash Kumar Sharma	International webinar on "COVID-19: where do we go from here to deal zoonosis" organized by CDSRZ, PGIVER, Jaipur.	06 July, 2021
5	Dr. Rajesh Singathia	Participated in the International symposium on "Harnessing the potentials of genome editing tools to augment the productivity and health of farm animals" organized by Animal biotechnology centre of ICAR- NDRI, karnal.	19-20 July, 2021
6	Dr. Dinesh M. Chavhan	International webinar on "Safe food now for a healthy tomorrow" organized by Meat Technology Unit, Mannuthy, School of Zoonoses, Public Health and Pathobiology, Kerala Veterinary and Animal Sciences University, Association of Food Scientists & Technologists (India), Thrissur Chapter and ICAR-Central Institute of Fisheries Technology (CIFT).	08 June, 2021
7	Dr. Sandhya Morwal	Participated International webinar on advances of veterinary sciences during platinum jubilee year of India's Independence, DUVASU, Mathura, UP on	30 November, 2021
8	Dr. Mamta Kumari	International online conference on Holistic Approach to Immunity to Microbial Diseases and their Treatment (HMDT 2021) Kottayam , Kerala , India Organized by Mahatma Gandhi University.	17-18 December, 2021
9	Dr. Goverdhan singh	International Symposium on "Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry" and XXXVIII Annual Conference of Indian Association of Veterinary Pathologists and XII Annual Meeting of Indian College of Veterinary Pathologists, jointly organized by Rajasthan University of Veterinary and Animal Sciences, Bikaner, Indian Association of Veterinary Pathologist and Indian College of Veterinary Pathologists, held during	17-19 December, 2021
10	Dr. Sandhya Morwal	International Workshop (Online Mode) on "Antimicrobial Resistance in Foodborne Pathogens: Safety Concern" organized under the aegis of DBT funded Indo-UK collaborative project entitled "Does antimicrobial resistance (AMR) in livestock contribute to AMR in people in North-East India? An interdisciplinary study investigating antibiotic use, drivers of AMR, and transmission dynamics" by the division of Veterinary Public Health, ICAR-Indian Veterinary Research Institute, Izatnagar .	14-16 March, 2022
11	Dr. Gajendra Singh Dr. B Meshram	35th Annual Convention of Indian Association of Veterinary Anatomist and International Symposium on Modern Concepts in Anatomy: New Era Tools in Health and Disease. Department of Veterinary Anatomy, LUVAS, Hisar, Haryana.	10-12 March, 2022
B. National Level			
1	Dr. Dinesh M. Chavhan	National webinar on "Innovative Extension Strategies for sustainable livestock development" organized by Department of Veterinary & AH Extension, MVC, Chennai.	29 April, 2021

S. No.	Name of the Faculty member	Title of the event	Date
2	Dr. Dinesh M. Chavhan	National webinar entitled "Camel Milk: A Boon to Mankind" organized by Directorate of Extension Education, Sri. Karan Narendra Agriculture University, Jobner.	01 June, 2021
3	Dr. Vachaspati Narayan	National Level Webinar on "Unlocking Industrial Potential of Digital Twin" organized by SNJB's Late Sau. Kantabai Bhavarlalji Jain, College of Engineering.	04 June, 2021
4	Dr. Vachaspati Narayan	Webinar Programme on "Safe Food Today for a Healthy Tomorrow" organized under ICAR-NAHEP-CAAST Project entitled "Centre of Excellence for Advanced Research on Animal Food Safety".	07 June, 2021
5	Dr. Ramesh Chand Jat	Online webinar on "microbial safety in food current risk and testing solution" organized by Thermo Fisher SCIENTIFIC.	07 June, 2021
6	Dr. Ramesh Chand Jat	National webinar on "One health approach for controlling zoonosis" organized by ICAR-NRCC Bikaner on.	06 July, 2021
7	Dr. Hina Ashraf Waiz Dr. Sandhya Morwal	National Webinar on 'Poultry Entrepreneurship development' College of Veterinary Science, Assam Agriculture University, department of Poultry science.	12-14 July, 2021
8	Dr. Dinesh M. Chavhan Dr. Mamta Kumari	National webinar on "Compassion, kindness and commitment for animals" organized by Likes Centre of PGIVER, Jaipur (RAJUVAS, Bikaner).	16 July, 2021
9	Dr. Vachaspati Narayan	National Webinar "International Tiger Day 2021: Their survival is in our hands" Organised by Zoology and Biotechnology Department Under MPHEQIP World Bank Scheme on.	29 July, 2021
10	Dr. Vachaspati Narayan	National Webinar On "Future Perspectives and Career Opportunities in Veterinary Sciences" organized under ICAR-NAHEP-CAAST Project entitled "Centre of Excellence for Advanced Research on Animal Food Safety".	29 July, 2021
11	Dr. Ramesh Chand Jat	National webinar on Capacity building workshop for writing high impact research articles and winning research proposals" organized by Mumbai Veterinary College.	30 July, 2021
12	Dr. Mamta Kumari	National Webinar on 'Disease Forecasting: An Advanced Holistic Approach for Disease Control and Prevention' organized by Department of Veterinary Public Health & Epidemiology, College of Veterinary Science & Animal Husbandry, Rewa (N.D.V.S.U., Jabalpur, M.P.).	11 August, 2021
13	Dr. Vikash Kumar Sharma	Webinar on "Towards sustainable management of helminthosis with limited chemotherapy Organised by Department of Veterinary Parasitology, Kerala Veterinary and Animal Sciences University, Kerala.	25 August, 2021
14	Dr. Rajesh Singathia Dr. Arun Kumar Dr. Hina Ashraf Waiz	National webinar on "Veterinary Genomics and Bioinformatics as career option for veterinary graduates" organized by LIKES, RAJUVAS, Bikaner.	03 September, 2021
15	Dr. Sandhya Morwal	National webinar on "Prospects and Functional of commodity markets in India" organized by Center for Agricultural Market Intelligence, Anand Agricultural University, Anand.	17-18 September, 2021
16	Dr. Ramesh Chand Jat	National webinar on "Scientific Goat Farming: From the Livelihood to financial security for the farmers" organized by ICAR Research complex for the eastern region, Patna.	18 September, 2021
17	Dr. Mamta Kumari Dr. Sandhya Morwal	III Annual Conference of APA and National Symposium on "Physiological Interventions for the Augmentation of Sustainable Animal Production" held at Department of Veterinary Physiology covsc&AH, DUVASU, Mathura.	24-25 September, 2021
18	Dr. Mamta Kumari	4th Central zone conference of IAVP-2021 on "Livestock Diseases and their Impact on Sustainable Production" organized by Department of Veterinary Pathology, College of Veterinary Science & A.H., NDVSU, Rewa, M.P.	05-06 October, 2021

S. No.	Name of the Faculty member	Title of the event	Date
19	Dr. Mamta Kumari Dr. Sandhya Morwal	National Webinar Important animal diseases and their control program in India organized by ICAR research complex for eastern region, Patna.	23 October, 2021
20	Dr. Hakim manzer	22nd Indian Veterinary Congress and XXIX Annual Conference of IAAVR & National Symposium on "Advancements in Veterinary Medical Research contributing to "One Health" for betterment of Animal and Public Health and their Welfare" organized by College of Veterinary & Animal Science, Navania, Vallabh Nagar, Udaipur.	08-09 November, 2021
21	Dr. Dinesh M. Chavhan Dr. Arun Kumar Dr. Ramesh Chand Jat	10 th Conference of Indian Meat Science Association, (IMSACON-X) and international symposium on "Holistic approach to the meat food quality & safety in continuum from farm to fork" organized by Dept. of LPT, CVAS, SVPUAT, Meerut.	25-27 November, 2021
22	Dr. Sanweer Khatoon	30th National Congress of Veterinary Parasitology and National Symposium on "Fundamentals of Integrated Parasite Management and its Relevance in One Health" Dept. of Veterinary Parasitology, College of Veterinary and Animal Science from at Parbhani, MAFSU.	14-16 December, 2021
C. Trainings/Workshops			
1	Dr. Dinesh M. Chavhan, Dr. Arun Kumar Dr. Ramesh Chand Jat	5 days online training program on "Climate Smart Technologies for Food Animal Production and Products" organised by ICAR-NRC on Meat and MANAGE, Hyderabad.	19-23 April, 2021
2	Dr. Ramesh Chand Jat	Online training on "Meat frauds and authenticity: Recent analytical approaches" organized by Thermo Fisher SCIENTIFIC.	26 April, 2021
3	Dr. Ramesh Chand Jat	Online training on "Assurance of claims for vegan, vegetarian and halal foods" organized by Thermo Fisher SCIENTIFIC.	27 April, 2021
4	Dr. Vachaspati Narayan	National E-Training on "Chemical Residue Analysis" organized under ICAR-NAHEP-CAAST Project entitled "Centre of Excellence for Advanced Research on Animal Food Safety".	04-06 May, 2021
5	Dr. Goverdhan Singh	Three Days Online Training on "Investigative Approaches for Animal Disease Diagnosis" under National Agricultural Higher Education Project- Innovation Grant, organized by Bihar Animal Sciences University, Patna from	25-27 May, 2021
6	Dr. Vachaspati Narayan	One Week International e-training on "Gene Cloning: Advances and Applications in Veterinary Sciences" organized under ICAR-NAHEP-CAAST Project entitled "Centre of Excellence for Advanced Research on Animal Food Safety", during 31st May to 4th June, 2021.	31-04 June, 2021
7	Dr. Vachaspati Narayan	Seven Day E-Workshop "Entrepreneurial Skill Development and Career Opportunities in Biological Sciences".	24-30 June, 2021
8	Dr. Dinesh M. Chavhan Dr. Ramesh Chand Jat	21 days online training on "Recent advances in disease diagnosis & vaccines" organized by department of Veterinary Microbiology, College of Veterinary Science & Animal Husbandry, Jabalpur (MP) from	27- 16 August, 2021
9	Dr. Dinesh M. Chavhan Dr. Arun Kumar Dr. Ramesh Chand Jat	10 days online training on "Designing new age foods of animal origin" organized by department of Live-stock Products Technology, College of veterinary Science & Animal Husbandry, Mhow (MP) from	02-16 August, 2021
10	Dr. Mamta Kumari Dr. Vikash Kumar Sharma	One week National Training Programme on "Statistical tools in Research and Data Analysis" from Organized by CVAS, Parbhani, MAFSU.	9-14 August, 2021
11	Dr. Sandhya Morwal	E workshop & Training Programme on "Improving conception rate in bovine – A pre- requisite and its possible practical solution" College of veterinary & animal science, Maharashtra Animal & fishery science university & Intas Animal Health.	01-05 September, 2021

S. No.	Name of the Faculty member	Title of the event	Date
12	Dr. Mamta Kumari Dr. Vikash Kumar Sharma	International e-Training cum Orientation Programme on "Physiological and Biotechnological Intervention for the Improvement of Production, Reproduction and Health Status in Animals" organized by Department of Veterinary Physiology and Biochemistry, College of Veterinary Science and Animal Husbandry, Mhow (M.P.), India during November	16-06 December, 2021
13	Dr. Mamta Kumari	Massive open online course on "Digital Teaching Techniques" (organized by ICAR-NAARM).	01-31 December, 2021
14	Dr. Vikash Kumar Sharma	Ten days National E-Training on "Advances in quality assurance and hygienic production of Animal origin foods" Organised by ICAR-NAHEP-CAAST Project entitled central of excellence for advanced research on animal food safety.	17-28 January, 2022
15	Dr. Dinesh M. Chavhan Dr. Arun Kumar	ICAR sponsored 21 days winter school Training programme on "Processing and quality evaluation of functional foods of animal origin" at Dept. of LPT, CVSc & AH, DUVASU, Mathura (UP)	18-07 February, 2022
16	Dr. Goverdhan Singh	ICAR sponsored 10 days e-course on "recent advances in diagnosis and therapeutic approach to metabolic and deficiency diseases in dairy cattle organized by Department of veterinary Medicine, college of Veterinary Science and A.H., Mhow(M.P.)	01-10 February, 2022
17	Dr. Mamta Kumari Dr. Abhishek Gaurav Dr. Hakim manzer	Online "National Training Programme for Faculty Development" Conducted for the faculty of RAJUVAS, Bikaner Organized by ICAR-NAARM, Hyderabad.	04-11 February, 2022
18	Dr. Vikash Kumar Sharma	Five days Training programme on "Diagnostic tools or Control, Treatment and Eradication of Livestock diseases" for Veterinary Officers under ASCAD scheme Organised by College of Veterinary and Animal Science, Navania, Udaipur.	07-11 March, 2022

3. PGIVER, Jaipur:

S. No.	Name of the Faculty member	Title of the event	Date
A. International Level			
1	Dr. Surendra Singh Shekhawat, Dr. Anurag Pandey Dr. Umesh S. Suradkar	International e-symposium on "One Health Concept: Opportunities and Perspective In Present Scenario" and XVII Annual Conference of Association of Veterinary Public Health Specialists (IAVPHS) organized by Centre for One Health, GADVASU, Ludhiana (Punjab).	28-29 May, 2021
2	Dr. L.N. Sankhala	International Web symposium on "Camel and Disease control (IWCDC-2021)" organised by Bikaner Interdisciplinary Research Consortium (BIRC) and Govt. Dungar College, Bikaner, Rajasthan.	22 June, 2021
3	Dr. Samita Saini	International Symposium entitled Harnessing the potentials of genome editing tools to augment the productivity and health of farm animals by ICAR-National Dairy Research Institute (NDRI), Karnal for celebrating Azadi ka Amrut Mahotsav and the 25 th Anniversary of Somatic Cell Nuclear Transfer Technology (Birth Anniversary of Famed Cloned Sheep, Dolly).	19-20 July, 2021
4	Dr. Rohitash Dadhich Dr. Vikas Galav Dr. Manish Agrawal Dr. Srajna Meena Dr. Nazeer Mohammed	4 th Central Zone Conference of IAVP-2021 held through virtual mode, organized by Dept. Of Veterinary Pathology, College of Veterinary Science & A.H., NDVSU, Rewa, M.P.	05-06 October, 2021

S. No.	Name of the Faculty member	Title of the event	Date
5	Dr. Rohitash Dadhich Dr. Vikas Galav Dr. L.N. Sankhala Dr. Manish Agrawal Dr. Sarjna Meena	International Veterinary Congress-2021 (Online), International Symposium on "Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry" and XXXVIII Annual Conference of Indian Association of Veterinary Pathologists and XII Annual Meeting of Indian College of Veterinary Pathologists jointly organized by RAJUVAS, IAVP and ICVP.	17-19 December, 2021
6	Dr. Sumit Prakash Yadav	ISSAR International symposium 2021 held at KVASU, Mannuathy, Kerala.	26- 28 December, 2021
7	Dr. Sumit Prakash Yadav	Online International Symposium on "Novel Knowledge, Innovative Practices and Research in Theriogenology" organized by Department of Animal Reproduction, Gynaecology and Obstetrics, CVAS, Mannuthy.	27-29 December, 2021
8	Dr. Vijay Kumar Yogi	Online Annual Convention of Indian Association of Veterinary Anatomist and International Symposium on "Modern Concept in Anatomy- New Era Tools in Health and Disease" organized by Department of Veterinary Anatomy, College of Veterinary Sciences, LUVAS, Hisar, Haryana.	10-12 March, 2022.
B. National Level			
1.	Prof. Sheela Choudhary Dr. Manju	National level e- Symposium on "Agro forestry systems for augmenting livestock productivity and empowering resource poor rural farmers" organized by Institute of Animal Nutrition, TANUVAS.	10-11 March, 2021
2.	Prof. D.S. Meena	FAO's Natural Livestock Farming online seminar "Global assessment of the contribution of livestock to food security, sustainable food systems, nutrition and healthy diet".	22 June, 2021
3.	Dr. Surendra Singh Shekhawat	Webinar in 11 th National conference on One Health Initiative on Prevention and Control of Emerging & Re-emerging Zoonotic Diseases of India organized by Millennium India Education Foundation New Delhi, Vardhman Mahavir Medical College & Sadarjung Hospital, New Delhi & KEM Mumbai and Heart Care Foundation of India.	06 July, 2021
4.	Dr. L.N. Sankhala Dr. Sumit Prakash Yadav	E-symposium on the topic "Sustainable Buffalo Production Through Integration of Reproduction, Nutrition, Health AND Knowledge Dissemination" organized by jointly organised by ISBD and ICAR-CIRB.	07 July, 2021
5.	Dr. Samita Saini	'Rural Poultry Farming: A sustainable approach towards Atma-Nirbhar Bharat' conducted by Department of Poultry Science, College of Veterinary Science & Animal Husbandry, N.D.V.S.U., Jabalpur (M.P.).	20 July, 2021
6.	Dr. Anurag Pandey Dr. Umesh S. Suradkar Dr. Ashsish Saini	10 th conference of Indian Meat Science Association on Holistic Approach to the meat food quality and safety in continuum from farm to fork at SVPUAT, Meerut.	25-27 November, 2021.
7.	Dr. Sarjna Meena	Online National Conference of Science Communicators and Science Teachers on "Indian Independence Movement and Role of Science" organized by CSIR-National Institute of Science Communication and Policy Research, CSIR-NIScPR, New Delhi, India.	29-30 November, 2021
8.	Dr. Abhishek Gupta	"National Symposium of Indian Society for Buffalo Development on Scientific Interventions to Address Challenges for Sustainable Buffalo Production" at GADVASU, Ludhiana.	10-11 December, 2021
9.	Dr. Prakash Chandra Sharma	National Conference on 'Animal Breeding Strategies in the era of Genomics and Phenomics/ XV Annual convention of Indian Society of Animal Genetics and Breeding" at ICAR-NBAGR, Karnal.	17-18 December, 2021.

S. No.	Name of the Faculty member	Title of the event	Date
10.	Dr. Sumit Prakash Yadav	first Veterinary Clinical Cases Conference-2021 on "Clinical approaches on health management of farm, Pet and wild animals" held through virtual mode and acted as rapporteur for scientific session-IV, Organized by Directorate of Clinics, RAJUVAS, Bikaner.	13 December, 2021
11.	Prof. G.S. Gottam Dr. Barkha Gupta Dr. Pavan Kumar Mittal	participated in three days annual conference and National Symposium on "Shifting basic physiological paradigm towards clinico-therapeutic innovative interventions for improvement in livestock health and production" conducted by SAPI	17-19 February, 2022
12.	Dr. Satyaveer Singh Dr. Manu Prabh Sharma	44 th Annual Congress of Indian Society for Veterinary Surgery and National Symposium on "Recent Trends in Surgical and Imaging Techniques for Enhancement of Productivity and Health Status of Farm and Pet Animals" held in College of Veterinary & Animal Sciences, Pantnagar, GBPUA&T, Uttarakhand from.	24-26 February, 2022
C. Trainings/Workshops			
1.	Dr. Sumit Prakash Yadav	5 days online FDC training on the topic "Enhancing teaching and student engagement through effective personal development and use of OER, AI and ML" organized by the Faculty Development Centre, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand.	02-06 March, 2021
2.	Dr. Vikas Galav	Training on "Basic Molecular Biology Module 4: PCR and Real-Time PCR" organized by Division of laboratory Systems, Centres for Disease Control and Prevention (CDC), Atlanta (USA).	09 April, 2021
3.	Prof. G.S. Gottam, Dr. Samita Saini, Dr. Barkha Gupta, Dr. Sumit Prakash Yadav Dr. Chandra Shekhar Sarswat	One week International e-training on "Gene cloning: Advances and Applications in Veterinary Sciences organized under ICAR-NAHEP-CAAST Project entitled" Centre of Excellence for Advanced Research on Animal Food Safety".	31-04 June, 2021
4.	Dr. Samita Saini	Basic Training in Academic Management System by Team NAHEP, IASRI, Delhi.	10 June, 2021
5.	Dr. Samita Saini Dr. Barkha Gupta	National Online Quiz on the occasion of "World Food Safety Day-2021" organized under ICAR-NAHEP-CAAST Project entitled "Centre of Excellence for Advanced Research on Animal Food Safety".	07 June, 2021
6.	Dr. Monika Karnani	Online Training Program on "Promotion of FPO in livestock sector: Opportunities and Challenges" organized by National Institute of Agricultural Extension Management (MANAGE), Hyderabad.	15-17 June, 2021
7.	Dr. Barkha Gupta	2 day Virtual Training on "Laboratory System & Internal Audit as per ISO/IEC 17025: 2017" organized by Training and Capacity Building (TCB) Cell Quality Council of India".	22-23 June, 2021
8.	Prof. Sheela Choudhary	Online National Level Five days Training Programme on "Control and Containment of Avian Influenza/Bird Flu with Special Emphasis on Revised GOI Bird Flu Action Plan-2021" held at SRDDL, IAH & VB, Hebbal, Bangalore.	22-26 February, 2021
10.	Dr. Sumit Prakash Yadav	5 days national online training programme on the topic "New Horizons of Canine Disease Diagnostics and therapeutics" organized by Department of Veterinary Clinical Medicine, PGIVAS, Akola, Maharashtra.	22 -26 June, 2021.
11.	Dr. L.N. Sankhala	30 days Massive Open Online Course (MOOC) on "Theoretical Foundations of Educational Technology" organized by ICAR-National Academy of Agricultural Research Management (NAARM).	01-30 June, 2021
12.	Dr. Barkha Gupta	1day Virtual Training on "Uncertainty of Measurement and Decision Rule as per ISO/IEC 17025: 2017 organized by Training and Capacity Building (TCB) Cell, Quality Control of India.	13 July, 2021

S. No.	Name of the Faculty member	Title of the event	Date
13.	Dr. Surendra Singh Shekhawat, Dr. L.N. Sankhala, Dr. M.C. Parashar, Dr. Sarjna Meena, Dr. Monika Karnani Dr. Manju	21 days online training on "Concepts and Applications of Pharmacology for Meeting Challenges of One Health in 21 st Century" organized by Department of Veterinary Pharmacology & Toxicology, CVSA&H, Jabalpur, M.P.	12-01 August, 2021
14.	Dr. L.N. Sankhala	National Workshop & Stakeholders Meet on "Medicinal Plants in Eastern India: Constraints and Prospects" organized by ICAR-Research Complex for Eastern Region, Patna, Bihar.	06 August, 2021
15.	Dr. Surendra Singh Shekhawat	Six Days online training on "Statistical Tools in Research and Data Analysis" organized by Dept. of AGB, CVAS, Parbhani, Maharashtra.	09-14 August, 2021
16.	Dr. Y.P. Singh Dr. Surendra Singh Shekhawat Dr. Vikas Galav Dr. L.N. Sankhala Dr. Manish Agrawal Dr. Sandeep Kumar Sharma Dr. Bincy Joseph	21 days online training on "Recent Advances in Disease Diagnostics & Vaccines" organized by Department of Veterinary Microbiology, CVSA&H, Jabalpur, M.P.	27-16 August, 2021
17.	Dr. L.N. Sankhala	Online summer programme conducted by College of Pharmacy, Taipei Medical University, Taiwan.	16-20 August, 2021
18.	Dr. Anurag Pandey, Dr. Umesh S. Suradkar Dr. Navav Singh	15 days online training programme on "Designing new age foods of animal origin" organized by Nanaji Deshmukh Veterinary Science University, Jabalpur, M.P.	02 -16 August, 2021
19.	Dr. Samita Saini Dr. L.N. Sankhala	Training Programme on "Skills for Entrepreneurship Development in Buffalo Husbandry" conducted by MANAGE, Hyderabad and ICAR-Central Institute for Research on Buffaloes, Hisar.	24-27 August, 2021
20.	Dr. Y. P. Singh	Two days Online Training Program for Technical Committee Members of MHD-13 BIS.	08-09 September, 2021
21.	Prof. Rohitash Dadhich	Two week Virtual Training on " <i>Recent Approaches In Forensic Pathology</i> " organized by Department of Veterinary Pathology, College of Veterinary Science & A.H., Nanaji Deshmukh Veterinary Science University (NDVSU), Jabalpur (M.P.).	01-14 September, 2021
22.	Dr. Monika Karnani	Training on "Biosecurity and Bio-safety: Policies, Diagnostics, Phytosanitary treatments and Issues" organized by ICAR-NBPGR, New Delhi.	15-24 September, 2021.
23.	Dr. Barkha Gupta	Training on "Personality Development & Soft Skills" conducted by LIKES, PGIVER, Jaipur.	27-30 September, 2021
24.	Dr. P.C. Sharma Dr. Samita Saini Dr. L.N. Sankhala	11 days online training on the topic "Application of Intellectual Property Rights (IPR) for different aspects of animal genetic resources in India" during organised by Department of Animal Genetics & Breeding, College of Veterinary Science & A.H., Mhow (M.P.).	10-20 September, 2021
25.	Dr. Sumit Prakash Yadav	3 days e-National training programme on the topic "Opportunities and Health Management of Small Ruminants" organized by College of Veterinary and Animal Sciences, Parbhani, Maharashtra Animal and Fishery Sciences University, Nagpur.	01-03 August, 2021
26.	Dr. Surendra Singh Shekhawat Dr. L.N. Sankhala	Seven days online training on "Lab Animals in Bio-Medical Research" organized by Department of Animal Genetics and Breeding, College of Veterinary and Animal Sciences, MAFSU, Parbhani.	21-27 September, 2021

S. No.	Name of the Faculty member	Title of the event	Date
27.	Dr. Sarjna Meena, Dr. Sumit Prakash Yadav Dr. C. S. Sarswat	21 days Online International training cum orientation programme entitled "Immunology-A Tool for disease management" organized by Department of Veterinary Microbiology, College of Veterinary Science & Animal Husbandry, Mhow (M.P.).	11-31 October, 2021
28.	Dr. Samita Saini	Three days international training on the "Bayesian method of Estimating Genomic Breeding Values" conducted by BAIF Development Research Foundation, CRS, Uruli-Kanchan, Pune and University of Queensland.	21-23 November, 2021
29.	Dr. Y.P. Singh	Two days Online Training Program for Technical Committee Members of MHD-13 BIS.	29-30 November, 2021
30.	Dr. Surendra Singh Shekhawat Dr. Avinash kumar Chouhan	11 days online training on "Novel approaches for controlling parasitic diseases with special reference to integrated parasite management" organized by Department of Veterinary parasitology, College of Veterinary and Animal Husbandry, NDVSU, MHOW (M.P.).	20-01 October, 2021
31.	Dr. L.N. Sankhala	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Gene and Genome Technology for Biologists" at Bihar Animal Sciences University.	22-26 November, 2021
32.	Prof. G. S. Gottam Dr. Barkha Gupta Dr. Pavan Kumar Mittal	21 days International e-training cum Orientation Programme on "Physiological & Biotechnological interventions for the improvement of production, reproduction and health status in animal" conducted by Department of Veterinary Physiology & Biochemistry, College of Veterinary Sciences & A. H., Mhow (M.P.).	16-06 December, 2021
33.	Dr. Samita Saini	2 days online training on "Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013" from	21- 22 December, 2021
34.	Dr. L.N. Sankhala	Five Days National Online Training Programme on 'BASICS & ETHICS OF LABORATORY ANIMAL EXPERIMENTATION IN BIOMEDICAL RESEARCH' organized by Krantisinh Nana Patil College of Veterinary Science, Shirwal, Maharashtra Animal and Fishery Sciences University, Nagpur.	20- 24 December, 2021
35.	Dr. L.N. Sankhala	One month Massive Open Online Course (MOOC) on "Digital Teaching Techniques" organized by ICAR-National Academy of Agricultural Research Management (NAARM).	01-31 December, 2021
36.	Dr. Monika Karnani Dr. Manju	Arpit Refresher course for CAS promotion on "Teachers and Teaching in Higher Education".	01 Dec. to 31 March, 2021
37.	Dr. Vikas Galav Dr. Manish Agrawal Dr. Sarjna Meena Dr. Bhavana Rathore Dr. L.N. Sankhala Dr. Abhishek Gupta Dr. Nazeer Mohammed Dr. Surendra Singh Shekhawat Dr. Sumit Prakash Yadav Dr. C.S. Sarswat Dr. Anurag Pandey Dr. Umesh S. Suradkar Dr. Prakash Chandra Sharma Dr. Samita Saini Dr. Rashmi Singh	"Online National Training Program for Faculty Members of RAJUVAS" organized in collaboration of LIKES, RAJUVAS and NAARM, Hyderabad.	04-11 February, 2022.

S. No.	Name of the Faculty member	Title of the event	Date
	Dr. M.C. Parashar Dr. Satyaveer Singh Dr. Pradeep Kumar Dr. Sanjay Kumar Rewani Dr. Ashok Baidha Dr. Subhash Chand	"Online National Training Program for Faculty Members of RAJUVAS" organized in collaboration of LIKES, RAJUVAS and NAARM, Hyderabad.	04-11 February, 2022.
38.	Dr. Surendra Singh Shekhawat Dr. L.N. Sankhala	03 weeks e-short course (online training) on "Municipal (Urban) Public Health Veterinarian" organized by Department of VPH&E, CVS&AH, Mhow (M.P.), NDVSU, Jabalpur (M.P.).	07-27 Februar, 2022
39.	Dr. Surendra Singh Shekhawat and Dr. Kartar Singh	12 days online training on "Advances in Quality Assurance and Hygienic Production of Animal origin foods" organized by Centre for excellence for advanced research on animal food safety, Mumbai veterinary college, Parel, Mumbai during.	17-28 January, 2022
40.	Dr. L.N. Sankhala	21 days online international training cum orientation programme On "Advances in Pharmacology and Toxicology to Combat New Challenges in Modern Healthcare of Human and Animals" Organized by Department of Veterinary Pharmacology & Toxicology, College of Veterinary Science & A.H., Nanaji Deshmukh Veterinary Science University, Jabalpur (M.P.)	24-16 March, 2022
41.	Dr. Ashok Baidha	ICAR Sponsored "Entrepreneurship Development in Veterinary Science and Livestock Products Industry" (Through Online Platform) organized by ICAR-NRC on Meat, Hyderabad.	08-17 March, 2022
42.	Dr. Barkha Gupta Dr. L.N. Sankhala Dr. Manish Agrawal Dr. Sanjay Kumar Rewani Dr. Ashok Baidha Dr. Subhash Chand Dr. Monika Karnani Dr. Manju Dr. Sumit Prakash Yadav Dr. C. S. Sarswat Dr. A.K. Chouhan	Six weeks MOOCs online course on the topic "Management of infertility in cattle" organized by Director of Extension Education, TANUVAS, Chennai, Centre for Continuing Education, Indian Institute of Technology, Kanpur and Commonwealth of Learning, Canada.	
43.	Dr. Samita Saini	ARPIT course for Career Advancement Scheme (CAS) promotion "Leadership and Governance in Higher Education (Level 2)" on ARPIT portal by Savitribai Phule Pune University, Pune.	
44.	Dr. Samita Saini	ARPIT course for Career Advancement Scheme (CAS) promotion "Skills for New Educational Architecture" on Swayam portal by Sant Gadge Baba Amravati University	



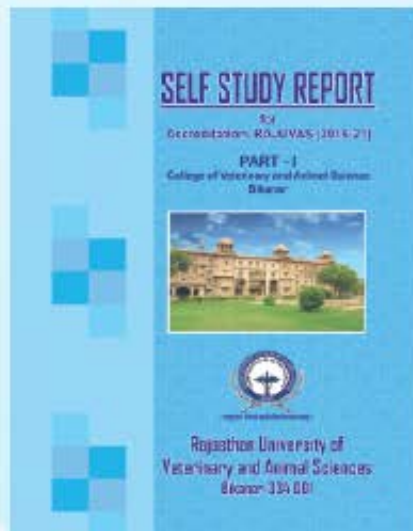
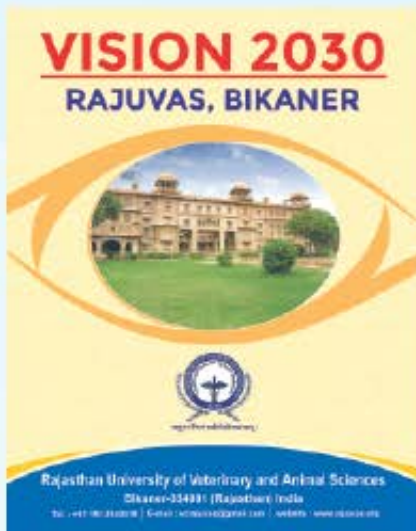
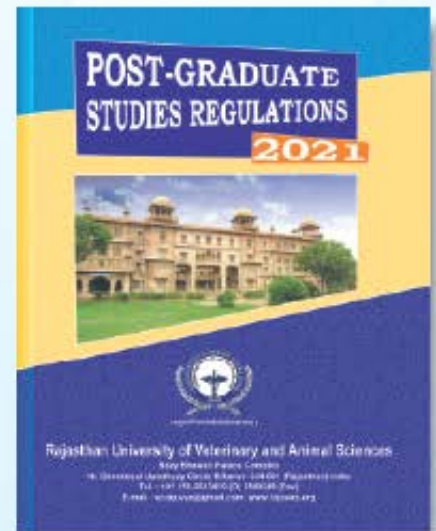
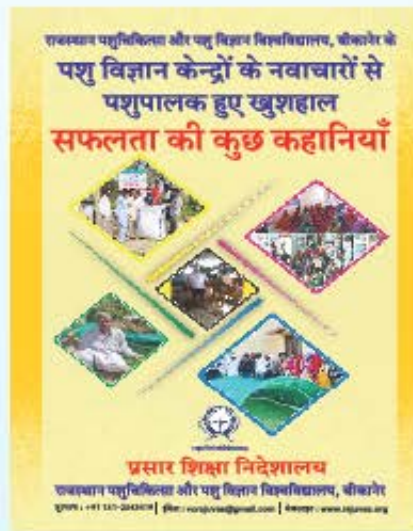
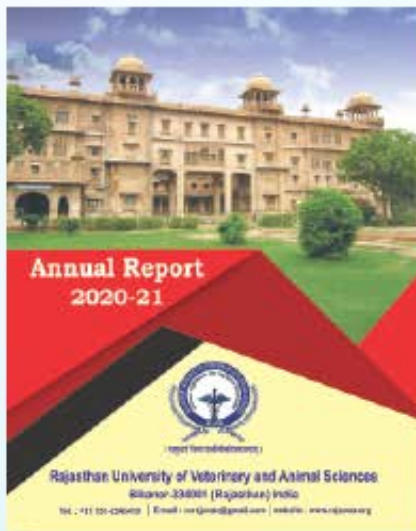
Dignitaries Visited

- ❖ Dr. A. Sahoo, Director, ICAR- National Research Centre on Camel, Bikaner .
- ❖ Dr. Yash Pal, Director, ICAR- National Research Centre on Equines, Hisar visited PGIVER, Jaipur on 15th February, 2022..
- ❖ ICAR PRT team visited CVAS on 1st December 2021 for approval and review of various academic, research and extension facilities and activities present in the college. The main member and chairman of the ICAR PRT team were,
- ❖ Dr. K.M. Bujarbaruah ex VC, AAU
- ❖ Dr. N.K. Agnihotri, Senior Scientist, Department of Education, ICAR.
- ❖ A three member team of Veterinary Council of India, New Delhi inspected the resources and facilities available in the college on 03 December 2021. The main member and president of the VCI team was Dr. D.S. Nauriyal, Former Dean, CVS & AH, Anand, Gujarat,
- ❖ Dr. Nitin Markandey, Dean, CVAS, Parbhani, Maharashtra and
- ❖ Dr. N.H. Kelawala, Vice Chancellor, Kamdhenu University Gandhinagar, Gujarat,
- ❖ Smt. Preeti Shaktawat, Vallabh Nagar M.L.A.
- ❖ Dr. Ashok Kumar, ADG (Animal Health) ICAR, New Delhi,
- ❖ Prof. (Dr.) A.K. Gehlot, Founder and former Vice Chancellor, RAJUVAS, Bikaner
- ❖ Dr. S. N. Singh, President IAAVR
- ❖ Dr. Risender Verma, Secretary IAAVR
- ❖ Dr. Umesh Kumar Sharma, President, Veterinary Council of India, New Delhi
- ❖ Dr. R. K. Bagharwal, Vice President IAAVR
- ❖ Prof. (Dr.) N. S. Rathore, Vice Chancellor, MPUAT, Udaipur
- ❖ Mr. Shravan Singh Rathore, SDM Vallabh Nagar.
- ❖ Chief General Manager, General Manager and District level officers of NABARD was visited at LRS Bikaner
- ❖ Shri Govind Ram Meghwal Hon'ble Cabinet Minister of Disaster Management and Relief Department, Govt. of Rajasthan.
- ❖ Hon'ble Agriculture and Animal Husbandry Minister Sh. Lal Chand Kataria was visited Pashu Vigyan Kendra, Jobner (Jaipur) on 19th January, 2022.
- ❖ Dr. Neeraj K. Pawan, Divisional Commissioner, Bikaner was visited at RAJUVAS on 26th February, 2022.





University Publications





**Directorate of Prioritization, Monitoring and Evaluation
Rajasthan University of Veterinary and Animal Sciences**

Bijay Bhawan Palace, Near Pt. Deen Dayal Upadhyay Circle, Bikaner-334001 (Rajasthan)

Tel. : +91 151-2543419 (O) 2544297 (Tele-fax)

E-mail : vcrajuvas@gmail.com; dpmerajuvas@gmail.com

Printed at : Diamond Printers and Stationary Bkn # 9784105819