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### Prof. Satish K. Garg New Vice-Chancellor of RAJUVAS

Prof. Satish K. Garg joined as new Vice-Chancellor of RAJUVAS, Bikaner on 9th August, 2021 by an order issued from Hon'ble Governor of Rajasthan and Chancellor Sh. Kalraj Mishra. Prof. Garg is an eminent scientist of Veterinary Pharmacology with 35 years of academic and administrative experience. Prof. Garg has worked in Uttar Pradesh Pandit Deen Dayal Upadhyaya Vishwavidyalaya Evam Go Anusandhan Sansthan, Mathura for more than ten years as Dean of Veterinary College. Prior to joining as Vice-Chancellor, he was working as Registrar in Bihar Animal Science University, Patna. Speaking on the occasion, Prof. Garg. said that RAJUVAS is the second university in the country after Tamilnadu Veterinary University, whose area of operation is the entire state. RAJUVAS has made all-round progress in a short span of its establishment and has become a leading university. He said that it would be his endeavour to achieve efficiency and quality in teaching and research work. Vice Chancellor Prof. Garg said that he would endeavor to expeditiously implement RAJUVAS academic, research and extension work with his 35 years of academic and administrative experience. The research projects will be designed keeping in view the local climate and livestock conditions so that the livestock owners can get direct benefits. The Dean-Director of the University, officers, all the teachers, nonteaching staff and students have welcomed and congratulated Prof. Garg as Vice-Chancellor.







### From Vice-Chancellor's Desk

Dear Readers,

It is a matter of immense pleasure for me to be a part of Rajasthan University of Veterinary and Animal Sciences, Bikaner as its Vice Chancellor. In terms of credentials, the University has a long list of achievements and feathers in its cap. The most recent being the opening of Dairy Science and Technology College in Bikaner and Dairy and Food Technology College in Bassi, Jaipur as two more new constituent colleges of RAJUVAS in which we started the academic programmes from the academic session 2021-22 with the support of state Government. With the addition of these colleges, now RAJUVAS has attended the status of multi-faculties Universities. RAJUVAS has made all-round progress in a short span of its establishment and has become a leading state university. It would be my



endeavour to ensure efficiency and quality in teaching and research work. Rajasthan has mainlylivestock-basedlivelihood resources; thus emphasis will be given on providing skills based trainings to vets, paravets, rural youth and farmers to improve veterinary and animal husbandry services. I would endeavour to expeditiously implement academic, research and extension programmes in RAJUVAS taking advantage of my 35 years of academic and administrative experiences.

I am happy to share that RAJUVAS immediately after my joining received 'District Green Champion Award' of Mahatma Gandhi National Council of Rural Education under the Department of Higher Education, Government of India for outstanding contributions in sanitation, hygiene, waste management, water management, energy management and greenery management. Keeping in mind the interests of livestock owners, farmers and students, the University will have to carry out all its activities in a planned and timely manner by making a future action plan through holistic approach while implementing and monitoring different research projects, promotion entrepreneurship amongst students for self-employment, bring all MOUsin active mode, promote sports and literary activities for student welfare, focus on quality of education, strengthen laboratories for quality research and to provide human resource in line with the new education policy. I appreciate all the faculty members and other officers of University for continuing their academic, research and extension activities even during COVID-19 global pandemic.

I wish and assure you for quality transformation in all activities of University so that it becomes a dynamic and vibrant institution of excellence in the field of veterinary education and research.

(Satish K. Garg) Vice-Chancellor

# **University Activities**

### International Webinar on COVID 19-Where Do We Go from Here to Deal Zoonosis

Department of Veterinary Medicine, PGIVER, Jaipur organized an International Webinar on COVID 19- where do we go from here to deal zoonosis 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. Prof. Vishnu Sharma, Vice-Chancellor, RAJUVAS, Bikaner told that we should boost our immunity to fight against zoonotic diseases and emphasized about the role of Veterinarian's in breaking the chain of zoonotic diseases. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur; Dr. Kinzang Dukpa, Regional Representative for Asia Pacific, OIE; Dr. H. Rahman, Regional Representative for South Asia, ILRI; Dr. Umesh Chandra Sharma, President, VCI; Prof. A.K. Gahlot, Founder Vice-Chancellor and Member Governor Advisory Board, Rajasthan; Dr. Bernadette Abela Ridder, Team Leader,



Neglected Zoonotic Diseases, WHO; Dr. J. Hiremath, ICAR-NIVEDI; Dr. S.V.S. Malik, IVRI and Dr. D.V.R. Prakash Rao, President, NAVS expressed their expert views in the webinar. Prof. Hemant Dadhich, Director Research, RAJUVAS presented vote of thanks. Prof. D.S. Meena, was the organizing secretary of this event.

### National Webinar on Compassion, Kindness and Commitment for Animals

PGIVER, Jaipur organized a National Webinar on Compassion, Kindness and Commitment for Animals on 16<sup>th</sup> July, 2021. Prof. Vishnu Sharma, Vice Chancellor, RAJUVAS, Bikaner told that we should have passion for the care of animals and also quoted the sayings of Mahatma Gandhi about animals that "greatness of a nation and its moral progress can be judged by the way its animals are treated" in his address. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur enlightened about the importance of topic in her welcome address. Lead speakers Smt. Timmi Kumari and Miss Mariam discussed about the various aspects of animal care, animal welfare board and act etc. Dr. Rashmi Singh and Dr. Ashok Baindha, Co-PI, LIKES Centre, PGIVER, Jaipur were the coordinators.



### Welcome of New Vice-Chancellor Prof. Garg at RAJUVAS

Welcome Ceremony of Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner and farewell of Prof. Vishnu Sharma, Former Hon'ble Vice Chancellor, RAJUVAS, Bikaner was organized on 9th August, 2021 at Bikaner campus by Faculty Club. All teaching faculty welcomed new Vice-Chancellor Prof. Garg and first lady of RAJUVAS Smt. Manju Garg with garlands. Vice-Chancellor Prof. Garg appreciated the efforts of faculty in the progress of the university. Former Vice-Chancellor Prof. Vishnu Sharma thanked everyone for their contribution in his tenure as Vice-Chancellor.



### Inauguration of New Facilities at PGIVER, Jaipur

Hon'ble Minister of Agriculture and Animal Husbandry Sh. Lalchand Kataria inaugurated milk testing kit along with milk testing and disease diagnosis laboratory, students' hostels and new bank building on 3<sup>rd</sup> July, 2021 on online mode. Sh. Lalchand Kataria emphasized that the investigation of adulterated milk and zoonotic diseases would help in maintaining the health of the people. Milk testing kit developed by the RAJUVAS is a big achievement and expressed the need to make it available to the public after a technical test. Vice-Chancellor Prof. Vishnu Sharma presented the details of achievements of RAJUVAS in the field of teaching, research and education. Sh. Bhajanlal Jatav, Hon'ble State Minister of Animal Husbandry, Dr. Subhash Garg, Hon'ble State Minister of Technical Education and Rafiq Khan MLA, Adarsh Nagar,



Jaipur also present during the online function. Dean, PGIVER, Jaipur Prof. Sanjita Sharma thanked everyone at the end of the webinar.

### National Webinar on Role of RKVY in Improving the Productivity in Livestock Sector

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. Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS presided over the programme. Sh. Bhaskar A. Sawant, Principal Secretary, Department of Agriculture, GoR; Dr. Praveen Malik, Commissioner, Animal Husbandry, GoI; Sh. Anad Krishan, Director, RKVY, GoI; Dr. Om Prakash, Commissioner, Agriculture, GoR; Sh. Laxmikant Balot, Joint Secretary, Department of Animal Husbandry, GoR; Prof. A.K. Gahlot, Founder Vice-Chancellor and Member Governor Advisory Board, Rajasthan and Dr. Lal Singh, Director, Gopalan, GoR expressed their expert views in the webinar. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur gave vote of thanks. Prof. D.S. Meena, was the organizing secretary.



# National Webinar on Veterinary Genomics and Bioinformatics as Career Option

PGIVER, Jaipur organized a National Webinar on veterinary genomics and bioinformatics as career option for veterinary graduates on 3<sup>rd</sup> September, 2021. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur enlightened about the importance of topic in her welcome address. Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner emphasized 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 about the various avenues of veterinary genomics and bioinformatics. Prof. A.K. Gahlot, Founder Vice-Chancellor and Member Governor Advisory Board, Rajasthan also expressed his views in the webinar. Dr. Rashmi Singh and Dr. Ashok Baindha, Co-PI, LIKES Centre, PGIVER, Jaipur were the coordinators for this webinar.



### RAJUVAS e-Pashupalak Choupal

Five online RAJUVAS e-Pashupalak Choupal for the livestock owners of the state were organized by Directorate of Extension Education on 14<sup>th</sup> July, 11<sup>th</sup> August, 25<sup>th</sup> August, 8<sup>th</sup> September and 22<sup>nd</sup> September, 2021 to provide online guidance and suggestion to the farmers. Dr. Pradeep Kumar Kapoor Principal, Khalsa CVAS, Amritsar; Prof. T.K. Gahlot Former Director Clinics, RAJUVAS, Bikaner; Prof. R.K. Tanwar, Former Director Clinics, RAJUVAS, Bikaner; Dr. Atul Saxena, Prof. & Head, Department of Veterinary Gynaecology and Obstetrics, College of Veterinary Science, DUVASU, Mathura and Dr. Rajesh Katoch, Prof & Head, Division of Veterinary Parasitology, SKUAST, Jammu provided expert advice to farmers on different aspects of animal husbandry. The e-Pashupalak Choupals were broadcasted live on official facebook page of RAJUVAS and DEE, Bikaner. Prof. R.K. Dhuria, Director Extension Education coordinated these choupal.

### Canine Cataract Surgery Camp at PGIVER, Jaipur

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<sup>th</sup> June, 2021 to 3<sup>th</sup> July, 2021. A total of 17 dogs were successfully operated for cataract. In continuation to this, a two days Follow-Up Cataract Surgery Camp was also conducted from 17-18 July, 2021.



### First Calfthrough ETT at PGIVER, Jaipur

First calf through Embryo Transfer Technology was born in the Livestock Farm Complex of PGIVER, Jaipur on 16<sup>th</sup> July, 2021. Rathi cow gave birth to a Gir calf. The team for this achievement constituted of Dr. S.P. Singh, Dr. Sanjay Bhalodia and Dr. Devendra Swami of NDDB Dairy Services, Dr. Lal Singh and Dr. Sunil Jain of Directorate of Gopalan and Prof. Sanjita Sharma, Dean, PGIVER, Dr. Chandra Shekhar Sarswat, Dr. Nirmal Kumar Jeph, Dr. Navav Singh and Dr. Anand Kumar.



# Intensive Plantation Drive on Independence Day Constituent Colleges

After Independence Day celebration programme, a plantation drive was held in University campus and its constitutent colleges. Intensive tree plantation was done by the faculty members and staff in the university campus as per the directives of Hon'ble Chancellor and Governor of Rajasthan Sh. Kalraj Mishra Ji. Vice-Chancellor Prof. Satish K. Garg along with first lady of RAJUVAS Smt. Manju Garg initiated the drive by planting a Neem tree. All the teaching and non-teaching staffs of CVAS, Bikaner, CVAS, Navania (Udaipur) and PGIVER, Jaipur participated in this event with great enthusiasm by following COVID-19 guidelines.

### CVAS, Bikaner

Aplantation drive was organized in university campus on 15<sup>th</sup> 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 plantation. Shramdaan activity was also conducted by NSS volunteers. Dr. Neeraj Kumar Sharma, Programme Officer, NSS organized the event.



An intensive plantation drive was organized by Directorate of Extension Education at its Pashu Vigyan Kendras situated in different districts and Krishi Vigyan Kendra, Nohar, Hanumangarh as per the directives of Hon'ble Chancellor and Governor of Rajasthan. All the teaching and non-teaching staffs actively participated and planted different types of plants. Around 506 saplings of different species were planted in various PVK and KVK, Nohar.

### Poshan Vatika Maha Abhiyan at KVK, Nohar

KVK, Nohar organized Poshan Vatika Maha Abhiyan and tree plantation programme on 17th September 2021 in the context of International Year of Millets-2023 in adopted village Ramgarh. The Chief Guest of the programme Sh. Ram Kumar Saini, Deputy Pradhan of Panchayat Samiti, Nohar highlighted the importance of complete diet and cereals. Sh. Bhup Singh Saharan, Deputy General Manager, IFFCO Jaipur advised the farmers to reduce the use of chemical fertilizers and explained in detail about IFFCO's new product Nano Urea. Ramgarh's Deputy Sarpanch Sh. Ranjit Jast and Captain Hari Singh Khichar explained in detail the importance of nutritious food grains on human health and also encouraged for more and more tree plantation. About 134 farmers, women and girls were participated in the programme. IFFCO also distributed fruit, vegetable plants and seed packets to girls and farmers.









### **Moments of Pride**

### **District Green Champion Award to RAJUVAS**

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 Collector Office on 21<sup>st</sup> August, 2021 District Collector Sh. Namit Mehta presented award to Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner. The RAJUVAS has received this award for its outstanding work in sanitation, hygiene, waste management, water management, energy management and greenery management. Sh. Ajit Singh Rajawat Registrar and Prof. R.K. Dhuria Director Extension Education were present on this occasion.



# **Administrative Meetings**

### First Meeting of Planning Board of University

The first meeting of the Planning Board of RAJUVAS was held on 7<sup>th</sup> September, 2021 under the chairmanship of Vice-Chancellor Prof. Satish K. Garg. In the meeting, the key member of the Planning Board, Former Vice-Chancellor RAJUVAS Prof. A.K. Gahlot; Former Vice-Chancellor DUVASU, Mathura Prof. A.C Varshney; former Director of IVRI, Izatnagar, Bareilly Dr. R.K Singh and former Joint Director, Animal Husbandry Department, GoR Dr. Umesh Agarwal were participated. At the beginning Vice-Chancellor Prof. Garg presented a brief description of the activities of the University and said that with the formation of planning board in RAJUVAS, the university would get new dimensions for the smooth operation and improvement of teaching, research and extension works. The meeting was held in hybrid mode. Planning Board



took important decisions for the betterment of the University in holistic manner keeping in view the recommendations of NEP 2020. Registrar Sh. Ajit Singh Rajawat, Comptroller Dr. Pratap Singh Poonia along with Dean-Directors of the RAJUVAS, PI of LRS and other officers also participated in the opening session of the meeting.

### 19th Meeting of Academic Council

19th Academic Council meeting of RAJUVAS was organized on 30th September, 2021 under the chairmanship of Vice-Chancellor Prof. Satish K. Garg. Various academic issues were discussed and resolved in the meeting after thorough deliberations. Comptroller Dr. Pratap Singh Poonia presented the proceeding and compliance report of the last meeting, which was approved by the council. In the meeting, External members of Academic Council Prof. B.P. Mishra, Director, NBAGR, Karnal and Dr. Ram Niwas, Director, Department of Fisheries, GoR joined online. Dr. Sanjay Sharma (Pantnagar), Dr. Udaybir Singh (Ludhiana), Dr. Hukmaram, Additional Director, Animal Husbandry Department, Dr. Bharat Singh Choudhary, RCDF, Dr. Virendra Netra, Additional Director, Animal Husbandry Department, Deans-Directors of RAJUVAS and nominated Head of Departments attended the meeting.



### Meeting of Vice-Chancellor with Officials of Animal Husbandry, Finance and Gopalan

Prof. Satish K. Garg after joining as Vice-Chancellor of RAJUVAS met with Secretary Animal Husbandry Aarushi Malik; Commissioner Agriculture and Horticulture Dr. Om Prakash; Joint Secretary Finance Hempushpa Sharma; Joint Secretary Animal Husbandry Department Laxmikant Balot; Managing Director RCDF Sh. Kanahaiya Lal Swami; Nodal Officer RKVY Sh. K.C. Meena; Director Gopalan Dr. Lal Singh and other officers during his visit to Jaipur on 1st September, 2021. Vice-Chancellor discussed about the different activities being carried out by RAJUVAS, finance matter and informed about future action plans. During the meeting, Prof. Dharam Singh Meena and University Liaison Officer Dr. Govind Sahay Gautam were present.







# Meeting of Vice-Chancellor with Divisional Commissioner, Jodhpur

Vice-Chancellor Prof. Satish K. Garg met with Divisional Commissioner, Jodhpur Dr Rajesh Sharma during his visit to Jodhpur on 21st September, 2021 and discussed about the ongoing construction works of CVAS, Jodhpur, and release of fund and future action plans in this regard. During the meeting, Prof. R.K. Dhuria Director Extension Education was also present. Vice-Chancellor also visited the site of CVAS, Jodhpur at Netra and reviewed the constructional work of building of college, VCC and ILFC.



# **Memorandum of Understanding**

### MoU with Rajasthan Go Seva Parishad

A MoU has been signed between Rajasthan Go Seva Parishad and RAJUVAS on 6<sup>th</sup> July, 2021. Vice-Chancellor Prof. Vishnu Sharma said that RAJUVAS would provide trainings to livestock owners through PVK, LRS and KVK regarding use of cow urine and dung. Sh. Gajendra Singh Sankhla gave information about the objectives and functions of the Rajasthan Go Seva Parishad. On this occasion, Prof. R.K. Dhuria Director Extension Education, Prof. Tribhuwan Sharma Director HRD; Sh. Hem Sharma President, Go Seva Parishad; Sh. Ajay Purohit Secretary and Riddhkaran Sethia Vice-President were present.



# **University Social Responsibility**

### Plantation drive at Adopted Villages

The plantation drive was organized by DEE at adopted villages Garhwala and Jaimalsar on 29th and 30th July, 2021, respectively. The programme was started by planting the sapling of Gulmohar by Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner in campus of Sr. Secondary School, Garhwala. More than 500 saplings of Shisham, Gulmohar and Bakain were distributed among the villagers. Dr. Neeraj Kumar Sharma, Coordinator, USR organized the drive.



Two Skill Development Gosthi were organized by Directorate of Extension Education, RAJUVAS Bikaner at its adopted villages Jaimalsar and Garhwala on 29<sup>th</sup> and 30<sup>th</sup> September, 2021. Sh. Vinod Kumar Counselor and Sh. Ramkumar District Coordinator of Rajasthan Skill and Livelihood Development Corporation, Bikaner appraised rural youth about various courses, essential qualifications, Pradhan Mantri Kaushal Vikas Yojana, Deendayal Upadhyaya Gramin Kaushal Yojana etc. Dr. Neeraj Kumar Sharma, Coordinator, USR organized the gosthi.



The On-line computer literacy programme was organized by Directorate of Extension Education, RAJUVAS Bikaner under University Social Responsibility for school students of adopted village Garhwala from 26-28 August, 2021. Thirty five students of Class 10-12 participated in this online programme. The Basic knowledge of Computer, Internet, Google, G-mail, M.S. Word etc. was given to the students. Mr. Shravan Kumar, Principal, Senior Secondary School, Garhwala and Dr. Neeraj Sharma, Coordinator, USR coordinated with this programme. Forty Two students have been taught about the Basic knowledge of Computer at Computer Saksharta Kendra, Jaimalsar on 24th August, 2021.







# Superannuation

- Prof. Tribhuwan Sharma, Professor, Animal Nutrition, CVAS, Bikaner and Director, HRD, RAJUVAS, Bikaner has superannuated on 31<sup>st</sup> July, 2021.
- Sh. Shiv Kumar Bareth, AAO-I, Comptroller officer, RAJUVAS, Bikaner has superannuated on 31<sup>st</sup> July, 2021.
- ❖ Sh. Tulsiram, Wireman, E.O. Office, RAJUVAS, Bikaner has superannuated on 31<sup>st</sup> July, 2021.
- Sh. Vasib Manglia Technical Assistant, Pashu Vigyan Kendras, RAJUVAS, Bikaner has superannuated on 31<sup>st</sup> July, 2021.









# Vice-Chancellor's Visits

### **PGIVER**, Jaipur

Welcome Ceremony of Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner and Prof. Vishnu Sharma, Former Vice-Chancellor, RAJUVAS, Bikaner was organized on 19<sup>th</sup> August, 2021 at PGIVER, Jaipur. All teaching and non-teaching staffs welcomed them with garlands. Vice-Chancellor Prof. Garg appreciated the efforts of teaching and non-teaching staffs in the progress and achievements of the institute and told to everyone in taking RAJUVAS to new heights. Former Vice-Chancellor Prof. Vishnu Sharma thanked everyone for their love and affection. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur briefed them about the progress and achievements of the institute. Prof. Sheela Choudhary gave vote of thanks.

### Pashu Vigyan Kendra, Jobner

Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner visited Pashu Vigyan Kendra, Jobner on 20<sup>th</sup> August, 2021. Vice-Chancellor interacted with progressive farmers of the area to adopt scientific technologies of Animal Husbandry. Dr. Ashok Bainda, Officer Incharge, PVK appraised about various activities of the centre and location of land allotment of this new PVK by Govt. of Rajasthan. Dr. Sashi Choudhary, Teaching Associate was also present.

### Pashu Vigyan Kendra, Jodhpur

Vice-Chancellor Prof. Satish K. Garg visited Pashu Vigyan Kendra, Jodhpur on 27<sup>th</sup> August, 2021. Vice-Chancellor Prof. Garg interacted with progressive farmers of the area to adopt new technologies to increase income from Animal Husbandry. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner apprised the Vice-Chancellor about the various extension activities conducted by the Center. Dr. B.S. Saini, Officer Incharge, PVK, Dr. Amit Chotiya, Dr. Manish Songara were also present.

### **PGIVER**, Jaipur

Prof. Satish K. Garg, Vice-Chancellor visited PGIVER, Jaipur on 14<sup>th</sup> September, 2021. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur detailed him about the various diagnostic and treatment services rendered by the VCC. Vice-Chancellor also interacted with the faculty of VCC and final year B.V.Sc. & A.H. students during his visit.

### Pashu Vigyan Kendra, Jodhpur

Vice-Chancellor Prof. Satish K. Garg graced the valedictory session of two-days training on scientific goat farming organized by Pashu Vigyan Kendra, Jodhpur on 21<sup>st</sup> September, 2021. Vice-Chancellor Prof. Garg said that by adopting latest techniques in traditional animal husbandry, the farmer's can earn more income and university is determined to take the latest scientific techniques of animal husbandry to the end user in the villages. Vice-Chancellor Prof. Garg also inaugurated the milk testing facility at the centre. A folder on major disease of goat and their prevention was released by dignitaries. Prof. R.K. Dhuria, Director Extension Education, RAJUVAS, Bikaner apprised the livestock owners about the various extension activities conducted by the University. Dr. V.K. Pandey, Joint Director, Department of Agriculture, Harish Mehra, Deputy Director ATMA, Jodhpur, Dr. B.S. Saini, Officer Incharge, PVK, Dr. Amit Chotiya, Dr. Manish Songara were also present.

### Pashu Vigyan Kendra, Sirohi

Vice-Chancellor, RAJUVAS, Bikaner, Prof. Satish K. Garg, visited Pashu Vigyan Kendra, Sirohi on 21<sup>st</sup> September, 2021. Milk analyzer machine for testing of milk samples at centre was inaugurated by Vice-Chancellor and he interacted with farmers to adopt various scientific techniques of Animal Husbandry to get more income. Prof. R.K. Dhuria, Director Extension Education appraised about various activities conducted by the centre. Tree plantation was done in the premises of PVK by the Vice-Chancellor and Director Extension Education. Dr. Sudeep Solanki, Officer Incharge, PVK, Sh. Amit Deval, PFA Secretary and Dr. Deepak Gill, Dr. Narasi Ram Gurjar along with staff were present.

# State Level Convention of Rajasthan Go Seva Samiti

State Level Convention of Rajasthan Go Seva Samiti was conducted 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 21-22 September, 2021. Sh. Pramod Jain Bhaya, Hon'ble Minister of Gopalan, GOR was the Chief Guest of the programme. Sh. Sukhram Ji Bishnoi, Hon'ble Minister of Forest & Environment, Sh. Sayam Lodha, MLA, Sirohi, Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner also graced the convention.















### **RAJUVAS NEWSLETTER**

### **Jaipur: Meeting of NABARD**

Vice-Chancellor, RAJUVAS, Bikaner, Prof. Satish K. Garg participated in the meeting of Vice-Chancellors of State Agriculture and Veterinary University organized by NABARD at Jaipur on 28<sup>th</sup> September, 2021. Vice-Chancellor Prof. Garg interacted with Chairman of NABARD Dr. G.R. Chintala on different projects and schemes of veterinary and animal husbandry for betterment of farmers.



### Jodhpur: Release of Book of Hon'ble Governor of Rajasthan

Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner visited Jodhpur on 28<sup>th</sup> September, 2021 and attended the book release ceremony authored by Hon'ble Governor of Rajasthan and Chancellor Sh. Kalraj Mishra. The Vice-President of India, Sh. M. Venkaiah Naidu released the book 'Constitution, Culture and Nation' written by the Hon'ble Governor of Rajasthan. Founder Vice-Chancellor RAJUVAS Prof. A.K. Gahlot and other Vice-Chancellors of State University also witnessed this book release ceremony.



## **Celebrations**

75<sup>th</sup> Independence Day

### CVAS, Bikaner

On the occasion of 75<sup>th</sup> Independence Day, Vice-Chancellor Prof. Satish K. Garg hoisted the national flag at Diwan-e-Aam. Vice-Chancellor expressed his gratitude to the country's freedom fighters, immortal martyrs and martyrs who sacrificed their lives for the country's freedom and called for unity, integrity and development of the country. Appreciated the faculty staff and officers of the University for continue academic, research and extension activities even in the times of the COVID-19 global pandemic. Students, faculty and non-teaching staff were honoured for their excellent performance, remarkable services in teaching, research and extension. After this, intensive tree plantation was done by the faculty members and staff in the university campus as per the directives of Hon'ble Chancellor and Governor of Rajasthan.



75<sup>th</sup> Independence Day Celebration was organized on 15<sup>th</sup> August, 2021 at PGIVER, Jaipur. Prof. Sanjita Sharma, Dean, PGIVER, Jaipur hoisted the national flag and addressed the august gathering. Patriotic songs were presented by the faculty members. Teaching and non-teaching staffs were felicitated for their excellent performance. A plantation drive was also organized on this occasion. All the teaching and non-teaching staffs participated in this event.

### **CVAS**, Navania (Udaipur)

75<sup>th</sup> Independence Day was celebrated with great enthusiasm at CVAS, Navania, Udaipur. Prof. Rajeev Kumar Joshi, Dean hoisted the tricolour national flag and paid homage to the freedom fighters. About 500 saplings of different varieties were planted in the college campus under the intensive tree plantation program. Melodious patriotic presentations were given by the faculty members.







### **World Rabies Day-2021**

World Rabies Day was celebrated on 28th September, 2021 by all the constituent colleges of university. CVAS, Bikaner in collaboration with Canine Welfare Society, Bikaner organized a free rabies vaccination-cum-health check-up camp, in which 55 dogs were vaccinated against Rabies and 43 rabies tokens were distributed to dog owners. Online digital Poster making competition was held on the occasion of World Rabies Day by Department of Veterinary Public Health, CVAS, Bikaner. Students from all the three constituent colleges participated in the event. PGIVER, Jaipur organized a free anti rabies vaccination, general health check up and awareness camp to celebrate the World Rabies Day-2021. Prof. D.S. Meena presented a seminar on awareness of rabies and one health approach. A folder on rabies was released by CVAS, Navania (Udaipur) on this occasion.





# **Students Activities**

### **Educational tour for Entrepreneurship development**

Two-days educational tour of PG students for entrepreneurship development programme was conducted from 24- 25 September 2021 at Banas Dairy, Gujarat under the banner of LIKES Centre, CVAS, Navania in supervision of Dr. Hakim Manzer Alam and Dr. Arpita Sain. Prof. R.K. Joshi, Dean, CVAS, Navania flagged off the tour from college campus.



# **New Assignments**

- Prof. B.N. Shringi, Head, Department of Microbiology, CVAS, Bikaner took over the charge of Director, HRD, RAJUVAS, Bikaner on 31<sup>st</sup> July, 2021.
- Prof. R.K. Dhuria, Head, Department of Animal Nutrition, CVAS, Bikaner took over the charge of Nodal Officer, ICAR, RAJUVAS, Bikaner on 31<sup>st</sup> July, 2021.
- Prof. Hemant Dadhich, Department of Veterinary Pathology, CVAS, Bikaner took over the charge of Dean, College of Dairy Science and Technology, Bikaner on 27<sup>th</sup> September, 2021.
- Prof. Dharam Singh Meena took over the charge of Dean, College of Dairy and Food Technology, Bassi, Jaipur on 27th Sept. 2021.









# **Capacity Building and Skill Development**

### Training-cum-Workshop on Personality Development and Soft Skills

Livestock Innovation Knowledge and Entrepreneurship Skill Centre, PGIVER, Jaipur organized 4 days training-cum-workshop on personality development & soft skills" from 27-30 September, 2021. During the inauguration Prof. Satish K. Garg, Vice-Chancellor, RAJUVAS, Bikaner emphasized about the importance of personality development in daily life in his address. Dean, PGIVER, Jaipur Prof. Sanjita Sharma told that personal development is a continuous process and shared her personal experiences with the students. Trainer Sh. Kaushal Raut organized various sessions on skills, confidence, dedication etc. during the workshop. Dr. Rashmi Singh and Dr. Ashok Baindha, Co-PI, LIKES Centre, PGIVER, Jaipur were the coordinators for the workshop.



### Training on Animal Biomedical Waste Management and Disposal

A one-day training program on proper management and disposal of animal biomedical waste was organized by the Animal Biomedical Waste Disposal Technical Center of RAJUVAS on 28<sup>th</sup> September, 2021. Dr. Hukma Ram Additional Director, Department of Animal Husbandry, Bikaner was Chief Guest. Prof. A.P. Singh Director Clinics and Dr. Virendra Netra Deputy Director Animal Husbandry Department, Bikaner was also present in the function. Dr. Rajni Joshi, PI informed that 30 livestock assistants working in different veterinary hospitals and animal sub-centres participated in this training. Dr. Deepika Dhuria and Dr. Manohar Sain, Co-PI of the center delivered lectures on the topic of training.



### **Training on Disaster Management**

The centre for Disaster Management Technology for Animals,

RAJUVAS, Bikaner organized four online trainings in the month of July, August and September 2021. The training was attended by 44 livestock owners and farmers. Dr. Praveen Bishnoi, PI delivered the information about management of animals in emergency. Sh. Shailendra Singh and Dr. Sohel Mohammed delivered expert lectures.

### Farmer's Trainings by Pashu Vigyan Kendras and Krishi Vigyan Kendra

### Pashu Vigyan Kendra, Suratgarh

Pashu Vigyan Kendra, Suratgarh organized 15 online trainings, 12 COVID-19 awareness campaigns and one on-campus training programmes under ATMA and benefitted 853 livestock farmers. Dr. Rajkumar Bairwal, Assistant Professor, Dr. Anil Ghorela, and Dr. Manish Kumar, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Lunkaransar (Bikaner)

Pashu Vigyan Kendra, Lunkaransar organized 16 online and 6 COVID-19 awareness campaigns during this quarter. Total 908 livestock farmers were benefitted. Dr. Amit Kumar, Assistant Professor, Dr. Pramod Mohata and Dr. Bhanu Prakash, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Ratangarh (Churu)

Pashu Vigyan Kendra, Churu organized 13 online, 7 COVID-19 awareness campaigns, one special day celebration and three oncampus training programmes under Agricultural Technology Management Agency and benefitted 577 livestock farmers. Dr. Ashok Kumar, Assistant Professor, Dr. Sushil Kumar Meena and Dr. Vinay Kumar, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Kumher (Bharatpur)

Pashu Vigyan Kendra, Kumher (Bharatpur) organized 21 online and 5 COVID-19 awareness campaigns during this quarter. Total 549 livestock farmers were benefitted. Dr. Arun Kumar, Assistant Professor, Dr. Munesh Kumar Pushp and Dr. Rohit Kumar Tiwari, Teaching Associates organized these training programmes.

### Pashu Vigyan Kendra, Bakalia (Nagaur)

Pashu Vigyan Kendra, Bakalia (Nagaur) organized 18 online, 4 COVID-19 awareness Campaigns and one special day celebration and benefitted 519 livestock farmers. Dr. Mahendra Tanwar, Assistant Professor, Dr. Mahendra Pal Poonia and Dr. Gaurav Kumar Jain, Teaching Associates organized these training camps.

### Pashu Vigyan Kendra, Sirohi

Pashu Vigyan Kendra, Sirohi organized 15 online and 5 COVID-19 awareness campaigns during this quarter. Total 457 livestock farmers were benefitted. Dr. Sudeep Solanki, Assistant Professor, Dr. Deepak Gill and Dr. Narasi Ram Gurjar, Teaching Associates organized these training camps.

### Pashu Vigyan Kendra, Kota

Pashu Vigyan Kendra, Kota organized 18 online and 9 COVID-19 awareness campaigns during this quarter. Total 658 livestock farmers were benefitted. Dr. Atul Shankar Arora, Assistant Professor, Dr. Nikhil Shringi and Dr. Tripti Gujar, Teaching Associates organized these trainings.









### Pashu Vigyan Kendra, Tonk

Pashu Vigyan Kendra, Tonk organized 16 online, 7 COVID awareness campaigns and one special day celebration during this quarter. Total 680 livestock farmers were benefitted. Dr. Madan Mohan Mali, Assistant Professor, Dr. Narendra Choudhary and Dr. Rajesh Saini, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Dholpur

Pashu Vigyan Kendra, Dholpur organized 18 online, 9 COVID-19 awareness campaigns and and one special day celebration and 678 livestock farmers were benefitted. Dr. Subhash Chand, Assistant Professor, Dr. Pradeep Pal Singh and Dr. Parmal Singh, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Jhunjhunu

Pashu Vigyan Kendra, Bojunda (Chittorgarh) organized 18 online, 12 COVID-19 awareness Campaigns and one special day celebration and 705 livestock farmers were benefitted. Dr. Pramod Kumar, Assistant Professor, Dr. Sukhveer Singh and Dr. Vipin Chandra, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Bojunda (Chittorgarh)

Pashu Vigyan Kendra, Bojunda (Chittorgarh) organized 11 online, 4 COVID-19 awareness campaigns and four on-campus training programmes under ATMA during this quarter. Total 499 livestock farmers were benefitted. Dr. Mukesh Chand Sharma, Assistant Professor, Dr. Mukesh Kumar Meena and Dr. Parmjeet, Teaching Associates organized these trainings.

### Pashu Vigyan Kendra, Dungarpur

Pashu Vigyan Kendra, Dungarpur organized 16 online and 4 COVID-19 awareness campaigns in this quarter and benefitted 455 livestock farmers. Dr. Rajesh Singhatia, Assistant Professor and Dr. Virendra Singh, Teaching Associate organized these trainings.

### Pashu Vigyan Kendra, Jodhpur

Pashu Vigyan Kendra, Jodhpur organized 14 online, 5 COVID-19 awareness campaigns and five on-campus training programmes under Agricultural Technology Management Agency and 599 livestock farmers were benefitted. Dr. Bhagat Singh Saini, Assistant Professor, Dr. Amit Kumar Chotiya and Dr. Manish Songara, Teaching Associates organized these trainings.

### **KVK**, Nohar (Hanumangarh)

KVK, Nohar organized 3 online trainings, 2 on-campus training, 2 off-campus training, 6 kisan gosthi and 3 field days during this quarter. Total 746 farmers were benefitted. Dr. Manohar Lal Sain, Assistant Professor, Mr. Bheiru Singh, Mr. Akshay Ghintala and Dr. Ramchander Tiwari organized these programmes.







# **Post-Graduates Research**

Fifty-two students completed their Post-Graduated research projects and awarded provisional degree certificates of M.V.Sc and Ph.D. during 1<sup>st</sup> July to 30<sup>th</sup> September, 2021.

C N -	Title of Theorie	Name of Danaster and	Name of Advictor	Name of Student
<b>S.No.</b>	Title of Thesis Effect of Harad ( <i>Terminalia chebula</i> ) powder as herbal feed	Name of Department Animal Nutrition	Name of Advisor Dr. Dinesh Jain	Chandra Shekhar Godara
2.	additive on performance of broiler chicks  Effect of supplementation of Soapnut shell (Sapindus	Animal Nutrition	Dr. Dinesh Jain	Deepak Bhagora
	mukorossi) powder as herbal feed additive on the performance of broiler chicks			
3.	Effect of supplementation of garlic (Allium sativum) powder as herbal feed additive on performance of broilers chicks	Animal Nutrition	Dr. Dinesh Jain	Mahaveer Suthar
4.	Epidemiological studies on gastrointestinal parasitic infections in dairy animals with special reference to bovine coccidiosis of irrigated North Western plain of Rajasthan	Veterinary Parasitology	Dr. Abhishek Gupta	Rakesh Kumar
5.	Studies on the incidence type, prognostic tests and efficacy of different therapeutic approaches for uterine torsion in buffaloes	Animal Reproduction, Gynaecology & Obstetrics	Dr. J.S. Mehta	Amar Singh Saini
6.	Gross and histological studies on the proventriculus and gizzard of white leghorn (Gallus gallus domesticus)	Veterinary Anatomy and Histology	Dr. Pankaj Kumar Thanvi	Priyanka
7.	Body condition score versus metabolic and antioxidant profile of Marwari sheep from the arid tract of Rajasthan during extreme cold ambience	Veterinary Physiology	Dr. Sunita Pareek	Babita Kumari
8.	Study on milk ability, dairy temperament and udder characteristics in Indian dromedary camel	Animal Genetics and Breeding	Dr. Manju Nehara	M <mark>anoj Ku</mark> mar
9.	Evaluation of Tiletamine-zolazepam anesthesia in dogs – a clinical study	Veterinary Surgery and Radiology	Dr. Sakar Palecha	Nilam
10.	Clinical and retrospective study on diverse surgical disorders in Camels (Camelus dromedarius)	Veterinary Surgery and Radiology	Dr. Sakar Palecha	Kamal Kishor
11.	Effect of zinc and gold nano particles on cooled and post thaw quality of stallion semen	Animal Reproduction, Gynaecology & Obstetrics	Dr. J.S. Mehta	Tipu Su <mark>ltan</mark>
12.	Clinico-pathological studies of kidney dysfunctions in dogs with special reference to sdma assay	Veterinary Pathology	Dr. Rohitash Dadhich	Anjana Godara
13.	Clinico-therapeutic studies on ruminal acidosis in goats	Veterinary Clinical Medicine, Ethics and Jurisprudence	Dr. Dharm Singh Meena	Chanchal Kala
14.	Effect of hot-humid and cold season on hematological and biochemical parameters in Sirohi goat	Veterinary Physiology	Dr. G.S. Gottam	Dinesh Maruti
15.	Studies on biochemical and hematological parameters due to seasonal variation in Sirohi goat	Veterinary Biochemistry	Dr. Barkha Gupta	Mahipal Singh Nathawat
16.	Molecular characterization of Seudomonas aeruginosa from poultry with reference to antibiotic resistance	Veterinary Microbiology	Dr. Sandeep Kumar Sharma	Pushpendra Singh Rathore
17.	Cytological and histopathological studies on cutaneous and subcutaneous neoplastic masses of dog ( <i>Canis familiaris</i> ) in Jaipur District	Veterinary Pathology	Dr. Sarjna Meena	Sunil Kumar Jangid
18.	Studies on dynamics of gastrointestinal nematodes of goat in semi arid Rajasthan	Veterinary Parasitology	Dr. Bhavana Rathore	Upkar Chaudhary
19.	Sequencing and analysis of NLRP6 gene of Camel (Camelus dromedarius)	Veterinary Biochemistry	Dr. Narendra Singh Rathore	Bhagraj Godara
20.	Study of milk production genes and their association with production reproduction traits in Rathi Cattle	Animal Genetics & Breeding	Dr. Urmila Pannu	Hemlata Chouhan (Ph.D.)
21.	Studies of renal failure in dogs with special reference to ultra sonography	Veterinary Clinical Medicine, Ethics & Jurisprudence	Dr. Jitendra Bargujar	Praveen Meena
22.	Study on haemato- biochemical analysis of different types of colic in indigenous horses	Veterinary Biochemistry	Dr. Narendra Singh Rathore	Gagan Deep Singh
23.	Molecular characterization of TLR-2 gene in Bikaneri camels	Veterinary Biochemistry	Dr. Narendra Singh Rathore	Ram Ku <mark>m</mark> ar Gah <mark>lot</mark>
24.	Effect of addition of lyophilized heterologous seminal plasma and colostrum to semen extender on cooled and post thaw stallion semen quality	Animal Reproduction, Gynaecology & Obstetrics	Dr. Ashok Kumar	Rajendra Mehra
25.	Effect of herbal feed additives garlic (Allium sativam) and black pepper powder (Piper nigrum) on growth performance and nutrient utilization in broilers	Animal Nutrition	Dr. Monika <mark>Joshi</mark>	Om Prakash Nagar
26.	Effect of <i>Moringa oleifera</i> leaf meal with or without multi enzyme as feed additive on growth performance and carcass characteristics of broiler chicks	Animal Nutrition	Dr. Tribhuwan Sharma	Mahendar Singh Meel (Ph.D.)
27.	Development and quality assessment of chia seed, mulethi and green tea incorporated chicken nuggets	Livestock Products Technology	Dr. Arun Kumar	Pavan Kumar Damor
28.	Molecular detection of <i>Theileria annulata</i> and bio control of its vector by entomopathogenic nematodes in cattle of Udaipur (Rajasthan)	Veterinary Parasitology	Dr. Hakim Manzer Alam	Sanweer Khatoon (Ph.D.)
29.	Effect of L-arginine and trehalose supplementation to semen extender on quality and fertility of cryopreserved stallion semen	Animal Reproduction, Gynaecology & Obstetrics	Dr. Sunand <mark>a</mark> Sharma	Dinesh Kumar (Ph.D.)
30.	A study on occurrence and pathology of urinary system of cattle in Jaipur	Veterinary Pathology	Dr. Vikas Galav	Narendra Kumar Nogia
31.	Ultra-sonographic evaluation of internal structures of eye in dogs	Veterinary Surgery and Radiology	Dr. Yogendra Pal Singh	Madhu Kumari
32.	Studies on toxicopathology of imidacloprid in poultry and its amelioration with cow urine distillate	Veterinary Pharmacology and Toxicology	Dr. Amita Ranjan	Laxmi Narayan Sankhala (Ph.D.)

S.No.	Title of Thesis	Name of Department	Name of Advisor	Name of Student
33.	Studies on prevalence of gi nematodes and haematological	Veterinary Parasitology	Dr. Hakim Manzer Alam	Robin Singh
1/4	changes in cattle and buffalo in Udaipur, district (Rajasthan)			
34.	Studies on the status of Babesia and Anaplasma species in	Veterinary Parasitology	Dr. Sanweer Khatoon	Sandeep Kumar
35.	cattle of Udaipur (Rajasthan)  Effect of supplementation of garlic (Allium sativum) powder as	Animal Genetics &	Dr. P.C. Sharma	Sunil Kumar Meena
35.	feed additive on nutrient utilization and growth performance in	Breeding	Dr. P.C. Sharma	Sunii Kumar Meena
1	goats	breeding		
36.	Effect of dietary supplementation of Giloy ( <i>Tinospora cordifolia</i> )	Livestock Production &	Dr. S.C.Goswami	Gaurav Pargi
	Stem powder and Neem (Azadirachta indica) leaves powder	Management		
	along with different bedding materials on performance of			
07	Japanese quail	Liver et als Durado etian 0	Do Amerikana a Ilaimaal	A '4
37.	Effect of dietary supplementation of Giloy ( <i>Tinospora codifolia</i> ) stem powder and Moringa ( <i>Moringa oleifera</i> ) leaves powder	Livestock Production & Management	Dr. Arun Kumar Jhirwal	Anita
	along with different bedding materials on performance of	Wallagement		
	broilers			
38.	Characterization of thermo-physiological and molecular	Livestock Production &		Gayatri Gujar
	changes in response to heat stress in Sahiwal and Kankrej	Management	Dr. Vija <mark>y Kum</mark> ar	(Ph.D.)
- 00	cattle of hot arid region	77.1.	5 1 1 1/	
39.	Occurrence and pathology of various conditions of kidney in Pig (Sus scrofa domesticus)	Veterinary Pathology	Dr. Indu Vyas	<mark>Shobha</mark> Burdak
40.	Pathomorphological and enzymatic analysis in liver of sheep	Veterinary Pathology	Dr. Manisha Mehra	Pradeep Makawana
40.	(Ovisaries)	veterinary r athology	Di. Manisha Mchia	Tradeep Makawana
41.	Study on efficacy of Neem based formulation for treatment of	Veterinary Clinical	Dr. Sunita Choudhary	Tej Prakash Atal
	sarcoptic mange in camels (Camelus dromedarius)	Medicine, Ethics &		
		Jurisprudence		
42.	A study on b-mode echobiometry of intraocular structures in	Veterinary Surgery and	Dr. Suresh Kumar	Vidya B <mark>ai Me</mark> ena
43.	cattle calves.  Characterization of some most important bacterial pathogens	Radiology Veterinary Microbiology	Jhirwal Dr. Deepak Kumar	Sudeep Solanki
43.	and their genes for virulence associated with bovine subclinical	veterinary wicrobiology	Sharma	(Ph.D.)
1/1	mastitis in Sirohi (Rajasthan)		Gildillid	(11.5.)
44.	Effect of Diosmin and Hesperidin supplementation on	Veterinary Pharmacology	Dr. L. N. Sankhala	Suvidhi
A	haematological and serum-biochemical profile in donkey	and Toxicology		
45	(Equus asinus)	24.	5.7.5.0	10 11 2
45.	Profiling of some virulence and antibiotic resistance associated genes in <i>Escherichia coli</i> isolates from Egyptian vultures	Veterinary Microbiology	Dr. Taruna Bhati	Khushboo Panwar
	(Neophron perdnopterus) at Jorbeer conservation reserve.			
	Bikaner			
46.	Evaluation of single and combined effect of antibiotics and	Veterinary Microbiology	Dr. Taruna Bhati	Sanju Ritod
	some antimicrobial peptides on biofilms of Staphylococcus			
	aureus and Escherichia coli isolates			
47.	Evaluation of antibacterial activity of selected plant extracts	Veterinary Pharmacology	Dr. Amita Ranjan	Jee <mark>s</mark> han N <mark>abi</mark>
	against Corynebacterium pseudotuberculosis isolated from Camelus dromedarius	and Toxicology		
48.	Knowledge and adoption level of cattle owners about animal	Veterinary & Animal	Dr.Devi Singh Rajput	Sonu Shekhawat
	welfare practices in Jhunjhunu district of Rajasthan.	Husbandry Extension	5.15 of rollight rajput	Sona Shokhawat
49.	Performance and prospects of clinical services rendered by	Veterinary & Animal	Dr. Neeraj Ku <mark>ma</mark> r	Renu Meena
	veterinary clinical complex, RAJUVAS, Bikaner among	Husbandry Extension	Sharma	
200	Livestock owners		D 0 11 T 1	Nata Britan
50.	Effect of ethanolic extract of Giloy ( <i>Tinospora cordifolia</i> ) on	Animal Reproduction,	Dr. Sumit Prakash	Nikhil P <mark>al Baji</mark> a
51.	seminal quality of Magra Ram during cooled storage  Computed radiographic (CR) assessment of the vertebral heart	Gynaecology & Obstetrics  Veterinary Surgery and	Yadav Dr. Satyaveer Singh	Usha Kumari Ninama
51.	scale (VHS) and cardiothoracic ratio (CTR) to measure the	Radiology	Di. Gatyaveel Siligil	Joha Kuman Nillama
	heart size of German Shepherd dogs	, adiology		
52.	Clinical diagnosis, categorization, surgico-therapeutic	Veterinary Surgery and	Dr. P. Bishnoi	Su <mark>bhash</mark> Gharu
\	treatment and rehabilitation of large downer animals	Radiology		(Ph.D.)

# Patron Prof. (Dr.) Satish K. Garg Vice-Chancellor Editors Prof. (Dr.) R.K. Dhuria Dr. Devi Singh Rajput Dr. Deepika Goklaney

Published By Prof. (Dr.) R.K. Dhuria

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