

## CURRICULAM VITAE

Dr Laxmi Narayan Sankhala  
Nathusar Bass,  
Bikaner  
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### Objectives-

To be professional who makes a qualitative difference through hard work and sheer dedication, to innovate and excel and to prove as an asset for the organization.

### Current status

Presently working as Assistant Professor (Senior Scale) in **Department of Pharmacology and Toxicology** at **College of Veterinary and Animal Science, RAJUVAS, Bikaner, Rajasthan**

### Area of interest

Teaching and research

### Education

Passed **secondary** school examination in 1994 from M. M. School, Bikaner with **80 %** marks

Passed higher secondary school examination in 1996 from Sadul Sports School, Bikaner with **74 %** marks

### Veterinary science qualification

| Qualification | Name of College           | Name of University                            | Year of passing | Marks obtained (in %) or OGPA | Subjects studied            |
|---------------|---------------------------|---|-----------------|-------------------------------|-----------------------------|
| <b>B.V.Sc</b> | CVAS, Bikaner             | Rajasthan Agricultural University, Bikaner    | 2003            | 6.98 OGPA                     | ALL SUBJECTS AS PER VCI     |
| <b>M.V.Sc</b> | VETERINARY COLLEGE, ANAND | Anand Agricultural University, Anand, Gujarat | 2007            | 8.23 OGPA                     | Pharmacology and Toxicology |
| <b>Ph.D</b>   | CVAS, Bikaner             | RAJUVAS, Bikaner                              | 2021            | 8.42 OGPA                     | Pharmacology and Toxicology |
| <b>NET</b>    |                           | ICAR  | 2009            |                               | Pharmacology and Toxicology |

### Personal Details

Name- **Dr Laxmi Narayan Sankhala**

**Father- Deepchand Sankhala**

**Mother-Bhanwari Sankhala**

**DOB- 16-7-1979**

**Sex- Male**

**Marital status- Married**

**Languages known-Hindi, English, Rajasthani, Gujarati**

**Leadership: Good communication, organizational, public speaking and mentoring skills.**

**Address for Correspondence**

Dr Laxmi Narayan Sankhala , Assistant Professor  
Department of Pharmacology and Toxicology,  
College of veterinary and animal science, RAJUVAS  
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PH-9460067057

**Hands on Techniques-**

**Molecular biology techniques**

- DNA & RNA Extraction
- DNA sequencing cDNA library construction and screening
- DNA sequencing
- C DNA synthesis
- Northern
- Southern
- PCR-PCR-RFLP, PCR-SSCP, PCR-RAPD, RT-PCR, Primer construction and cloning
- Plasmid extraction
- DNA fragmentation assay (internucleosomal cleavage)

**Protein biochemistry**

- Protein isolation
- Protein gel electrophoresis
- Protein expression
- Western and dot blotting
- HPLC
- Spectrophotometry

**Immunotoxicological evaluation techniques**

- Hematology
- Biochemical analysis
- ELISA- Humoral Immune response
- Dermal sensitization testing- Cell Mediated Immune response
- Postmortem examination of experimental animals
- Histopathological techniques

### **Computer skills**

Microsoft power point

Microsoft word

Microsoft excel

Use of various hardware's like printer, scanner, CD writer, LCD projector

### **Life membership**

Life member of Indian Society of Veterinary Pharmacology and Toxicology

Life member of Veterinary College Bikaner Alumni Association

Member of Sarvapran Sena Samiti, Department Of Vet. and Extension, CVAS, Bikaner

Life member of Veterinary Practitioners Journal

Life member of Journal of Camel Practice and Research

### **Strength**

**11 year teaching and research experience in College of Veterinary and Animal Science, Bikaner**

**More than 40 research, review and clinical articles in National and International Journal**

**19 hindi articles published in newspaper/ magazines**

**8 books published with ISBN number**

**12 practical manual published**

**More than 12 Seminar/Conferences/training/ symposium attended and more than 75 Webinar/Seminar/ e-Conferences/e-training/ e-symposium attended**

Expertise in **handling, dosing, blood collection and PM examination** of laboratory animals

Experience in toxicological study

Also experience of various types of students activity like youth festivals, games week, cultural week and educational tour

Also experience in various administrative works like RPVT counseling, inspection and conducting various types of exams

Also experience of more than five years as **COORDINATOR, ANIMAL HUSBANDRY DIPLOMA PROGRAMME, RAJUVAS, Bikaner**

Computer skills like Microsoft power point, Microsoft word, Microsoft excel ,Use of various hardware's like printer, scanner, CD writer, LCD projector

Prepare various practical manuals of B.V.Sc. and diploma courses

Motivate students for making various types of posters related to subject

Active participation in organizing various conferences

Field experience of treatment of various cases of animals

Experience of various extension activities in field

Organize various infertility camps and health camps in field

Done post-mortem of animals in field

### **Publications of Dr.L.N.Sankhala**

#### **Research articles**

1. H.N. Sudani, Laxminarayan Sankhala, U.D. Patel, S.K. Bhavsar and A.M. Thaker (2008.)Protective effect of *Withania somnifera* on Alphacypermethrin induced immunotoxicity in mice (2008), *Journal of Veterinary Pharmacology and Toxicology*.**7(1-2):21-26**
2. L.N.Sankhala, S.M.Tripathi, S.K.Bhavsar and A.M.Thakar (2012) Evaluation of effect of *Tinospora cordifolia* extract on humoral and cell mediated immunity in acephate intoxicated mice. *Veterinary Practitioner*. **13 (2):168-171**
3. Laxmi N. Sankhala, Syamantak M. Tripathi, S. K. Bhavsar, Ashwin M. Thakar and Pramod Sharma (2012). Hematological and Immunological Changes Due to Short-Term Oral Administration of Acephate. *Toxicological international* **(19)2:162-166**
4. B.S.Saini, N.Kataria, L.N.Sankhala (2012). Assessment of extracellular fluid deficit and electrolyte levels in stressed Marwari sheep. *Veterinary Research*. **5: 97-101**

5. Syamantak Mani Tripathi, A.M. Thaker, C.G. Joshi and Laxmi Narayan Sankhala (2012). Acephate immunotoxicity in white leghorn cockerel chicks upon experimental exposure. *Environmental Toxicology and Pharmacology*. **(34)2**:192-199
6. N.Kataria, A.K.Kataria, N.Pandey, R.Maan, A.Joshi, L.N.Sankhala, M.Chaturvedi, R.Pachauri and P.K.Pilania (2012). Use of serum magnesium as a biomarker of oxidative stress in marwari goat from arid tracts in india. *Veterinary Research*. **5(4)**: 91-96
7. Ashish Joshi, Nalini Kataria, Anil Kumar Kataria, Nidhi Pandey, Laxmi Narayan Sankhala, Shesh Asopa, Ruchi Pachauri, Shokat Khan. (2012).Influence of ambient temperatures on metabolic responses of Murrah buffaloes of varying physiological states from arid tracts in India. *ELBA Bioflux*, **4( 2)**:34-40
8. Nidhi Pandey, Nalini Kataria, Anil Kumar Kataria, Ashish Joshi, Laxmi Narayan Sankhala, Shesh Asopa, Ruchi Pachaury. (2012). Extreme ambiances *vis-à-vis* endogenous antioxidants of Marwari goat from arid tracts in India. *ELBA Bioflux*, **4( 2)**:29-33
9. L.N.Sankhala, S.K.Bhavsar, S.M.Tripathi and A.M.Thakar (2013) Amilorative effect of tinospora cordifolia extract on acephate induced immunotoxicity in mice. *Veterinary Practitioner*. **14(1)**:110-112
10. A.Joshi, N.Kataria, A.K.Kataria, N.Pandey, S. Asopa, L.N.Sankhala, R.Pachaury and S.Khan.(2013). Stress related variations in serum vitamin E and C levels of murrah buffalos. *Journal of Stress Physiology and Biochemistry*. **9(1)**:28-34
11. R.Maan, N.Kataria, P.K.Pilania ,A.Sharma, S.Arora, A.Joshi L.N.Sankhala, S.K.Sharma N.Mohammad, P.Nathawat and A.K.Kataria.(2013).Superoxide dismutase profiling during extreme ambiances in Marwari sheep from arid tracts. *Veterinary Research*.**6(1)**:15-18
12. Nidhi Pandey, Nalini Kataria, Anil Kumar Kataria, Ashish Joshi, Laxmi Narayan Sankhala, Ruchi Pachaury. Shesh Asopa. (2013). Ambient stress *vis-à-vis* enzyme regulators of carbohydrate metabolism in Marwari goat from arid tracts in india. *Journal of Stress Physiology and Biochemistry*. **9 (1)**:46-53

13. B.S.Saini, N.Kataria, A.K.Kataria and L.N.Sankhala. (2013). Dehydration stress associated variations in rectal temperature, pulse and respiration rate of Marwari sheep. *Journal of Stress Physiology and Biochemistry*. **9 (2)**:15-20,
14. R.Maan, N.Kataria, P.K.Pilania ,A.Sharma, L.N.Sankhala, and A.K.Kataria. (2013).Fluctuations of serum glutathione reductase activities due to changes in ambient temperatures in maqrwari sheep from arid tracts. *ELBA Bioflux*. **5(1)**: 9-13
15. N.Kataria, Abhimanu, S.Arora, A.Sharma, R.Maan, A.K.Kataria, N. Mohammad, P.K.Pilania , L.N.Sankhala, M.K Thori, J.S Gaur,. and A Meena,.(2013). Status of freeredical scavenging enzymes in heat stressed rathi calves. *Veterinary Research*. **6(1)**:19-22
16. R.Maan, N.Kataria, S.Sharma, S.Arora, A.Sharma, A.Joshi N.Mohammad, P.K.Pilania, L.N.Sankhala.(2013) Serum monoamine oxidase activities of Marwari sheep from arid tracts during ambient temperatures. *Veterinary Research*. **6(2)**:23-26
17. A.Sharma, N.Kataria, N.Arya, M.Mathur, R.Maan, A.Joshi, Abhimanu, L.N.Sankhala , T.Bhati, A.K.Kataria. (2013). Assessment of modulations ion gluconeogenesis during extreme environmental temperatures in Marwari goat from arid tracts. *Veterinary Research*. **6(2)**:32-38
18. P.K.Pilania, S.Solanki, N.Mohammad, Shesh Asopa, R.Maan, A.Joshi,, L.N.Sankhala, M.Mathur, M.K Thori, J.S. Gaur, A Meena, N.Kataria.(2013). Oxidative stress vis-a vis gastrointestinal parasitism and pneumonia in Marwari goat. *Veterinary Research*.**6(3)**:54-57
19. N.Mohammad, S.Solanki, T.Bhati, P.Nathawat, S.K.Sharma, , S.Kumar, A.Joshi, P.K.Pilania,, L.N.Sankhala, M.Mathur, A.Ahuja, N.Kataria, A.K.Kataria (2013).Clinico physiological observations and haematological profiling of colicky equine. *Veterinary Research*. **6(3)**:58-63
20. Manish Chand, A.Bhatele, L.N.Sankhala, M.A.Quadri, Y.P.Sahni, S.M.Tripathi, Prem kumar and N.Chandra. Effect of atrazine on various organ systems in broilers. *Veterinary Practitioner* **14(2)** 2013 :329-331

21. Syamantak Mani Tripathi,, Y. P. Sahni,, R. K. Sharma, L. N. Sankhala, Prem Kumar G, Megha K. Bedekar,B. C. Sarkhel, M. A. Quadri, and Aswin M. Thaker.(2013)The effect of subchronic doses of organophosphorus pesticide, acephate, on the haematological and biochemical parameters of chickens. *Veterinary Practitioner* Vol. 14 No. 2 (Supple. 1).424-426
22. T.Saini, R.N.Kachwaha, G.C.Gahlot and L.N.Sankhala. Productivity of rathi cattle at an organized farm under arid zone of rajasthan. (2014) *Veterinary Practitioner*. 15(2):328-331
23. R.K. Saini, T. Sharma, R.K. Dhuria and L.N. Sankhala..Effect of various levels of methi straw in complete feed on rumen fermentation pattern and haemato-biochemical parameters of sheep. ( June, 2017) *Veterinary Practitioner*. 18 ( 1):130-132
24. R.K. Saini, T. Sharma, R.K. Dhuria and L.N. Sankhala. Study of nutritive values of non conventional methi straw(*trigonella foenumgraecum*) as a sole source of diet in magra sheep( DEC, 2017) *Veterinary Practitioner*. 18 ( 2):284-285
25. MS Kala, LN Sankhala, Lakshmi Kant, Lalit Kumar, SR Puniya and NM Shah (2018). Isolation, identification and molecular detection of *Brucella abortus* from bovines of North Gujarat. *Journal of Entomology and Zoology Studies*; 6(3): 1523-1527
26. MS Kala, LN Sankhala, M Champawat, SR Puniya and NM Shah (2018). Comparative efficacy study of different serological tests for the diagnosis of brucellosis in bovines. *The Pharma Innovation Journal* ; 7(5): 562-564
27. M Champawat, LN Sankhala, P Sharma and A Gaur (2018).Pharmacokinetic of single dose intramuscular administration of cefquinome using microbiological assay in goats. *Journal of Entomology and Zoology Studies*; 6(3): 1825-1828
28. M Champawat, LN Sankhala, P Sharma, A Gaur and Hemvati (2018). Effect of flunixin co-administration on pharmacokinetics of cefquinome following intramuscular administration in goats *The Pharma Innovation Journal*; 7(5): 480-485

29. Muchhara, J.A., Sankhala, L.N., Champawat, M., Bhavsar, S.K., Thakar, A.M. Dadhaniya, P.K., Vachhani, K.V. and Patel C.D. (2018). Evaluation of toxic potential of ketoprofen on hemato-biochemical parameters following subacute intramuscular administration in wistar rats. *International Journal of Science, Environment and Technology*. Vol. 7( 3). 925 – 932
30. Lalit Kumar, , R.K. Dedar, Lakshmi Kant,D.K. Badsiwal and Sanjay Kumar (2020) . Evaluation of in vitro antibacterial property of some plants of subtropical climate against *Rhodococcus equi*. *Journal of Entomology and Zoology Studies*. 8(3): 1590-1594
31. L.N.Sankhala, A.Ranjan and Suvidhi ( June 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
32. Suvidhi, LN Sankhala, Yash Pal, RA Legha, P Karela and RK Dedar. Lipid lowering and antioxidant activity of flavonoid diosmin and hesperidin supplementation in donkeys . *The Pharma Innovation Journal* 2021; SP-10(11): 224-228

#### **Review article**

- 1) L.N.Sankhala, R.K.Saini and B.S.Saini (2012). A review on chemical and biological properties of *Tinospora cordifolia*. *international journal of medicinal and aromatic plants*. 2:340-344
- 2) Tripathi Syamantak Mani, Mohita Rai, Thaker Aswin M and Sankhala Lakshmi Narayan. Tomotherapy: A novel approach to tumor therapy- An overview . *The Pharma Innovation Journal* 2018; 7(7): 911-916

#### **Clinical article**

1. Laxmi Narayan Sankhala. (2013). Clinical Management of Urea Poisoning in Bovines. *Intas Polivet* .14 (I): 71
2. R.K. Saini and L.N. Sankhala. A CASE REPORT OF BOVINE HYPODERMOSIS. (2015) *International Journal of Science,*



Environment and Technology, Vol. 4, No 3, 725 – 726

3. R.K. Saini and L.N. Sankhala..BABESIOSIS: A CASE REPORT IN CATTLE (2015) International Journal of Science, Environment and Technology, Vol. 4, No 3, 847-849
4. A. Rais, L.N. Sankhala, R.K. Saini, A. Shringi and Mukesh Gahlot. SURGICAL MANAGEMENT OF CHERRY EYE IN ROTTWEILER DOG (2015) International Journal of Science, Environment and Technology, Vol. 4, No 3, 999-1001

### **Abstract**

1. Laxminarayan Sankhala, SK Bhavsar, Syamantak Mani Tripathi, Pramod Sharma, AM Thaker. (2011) Acephate-induced immunotoxicity in mice and the protective effect of *Tinospora cordifolia* stem. XIth Annual Conference of ISVPT and NATIONAL SYMPOSIA on “Bioinformatics in Drug Designing” and “Challenges and Opportunities in Veterinary Drug Development” November 17-19. Indian Veterinary Research Institute, Izatnagar
2. Syamantak Mani Tripathi, Laxminarayan Sankhala, Pramod Kumar Sharma, Purnendu Pratap Singh, G Prem Kumar, Ramesh Kumar, Mahesh Trivedi, Manish Chand, AM Thaker. (2011). Immunotoxicity of subchronic O, S-dimethyl acetylphospho-ramidothioate exposure in chicken . XIth Annual Conference of ISVPT and NATIONAL SYMPOSIA on “Bioinformatics in Drug Designing” and “Challenges and Opportunities in Veterinary Drug Development” November 17-19. Indian Veterinary Research Institute, Izatnagar
3. Sankhala L.N., Tripathi S.M. and Joshi, A. (2012). Environmental enrichment of dogs. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of indian socitey for andvancement of canine

practice. 9-11 Feb. Bikaner Rajasthan.

4. Thapak S.L., Sharma B.L., Shrivastava O.P., Shahi A., Bharadwaj V., Tripathi S.M., and Sankhala L.N. (2012). Functional evaluation of chilled canine ejaculates with priority given to the morphological abnormalities of spermatozoa. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of Indian Society for Advancement of Canine Practice. 9-11 Feb. Bikaner Rajasthan.
5. Thapak S.L., Sharma B.L., Shrivastava O.P., Shahi A., Bharadwaj V., Tripathi S.M., and Sankhala L.N. (2012). Evolution of extenders and cryoprotectants for colling and cryo preservation of spermatozoa from the German Shepherd dogs. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of Indian Society for Advancement of Canine Practice. 9-11 Feb. Bikaner Rajasthan.
6. Bassessar V., Verma Y., Swami M., Tripathi S.M., Sankhala L.N. and Trivedi M.S. (2012). Canine pyometra and its antibiogram pattern. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of Indian Society for Advancement of Canine Practice. 9-11 Feb. Bikaner Rajasthan.
7. Bassessar V., Verma Y., Swami M., Tripathi S.M., Sankhala L.N. and Trivedi M.S. (2012). Haematobiochemical alteration in canine pyometra. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of Indian Society for Advancement of Canine Practice. 9-11 Feb. Bikaner Rajasthan.
8. Kataria, N., Joshi A., Pandey N., Soren S., Abhimanu and

Sankhala L.N. (2012). Fueling of TCA cycle in hepatic cells of dogs during cold ambience. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of indian society for advancement of canine practice. 9-11 Feb. Bikaner Rajasthan.

9. Kataria N., Arora S., Soren S., Pandey N., Joshi A., and Sankhala L.N. (2012). Biomarkers of physiological defence against reactive oxygen species during ambient stress in dogs. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of indian society for advancement of canine practice. 9-11 Feb. Bikaner Rajasthan.
10. Kataria N. Pandey N. Joshi A., Abhimanu and Sankhala L.N. (2012). Study of erythron function test on stray dogs. International congress of canine practice on modern concepts in canine health and diseases of human concern and 9<sup>th</sup> convention of indian society for advancement of canine practice. 9-11 Feb. Bikaner Rajasthan
11. Sankhala, LN, Sudhani, HN, Gahlot, Bhawna, Tripathi, SM, Bhavsar, SK, Thakar, AM. Effect of acephate, an organophosphate insecticide on immune organs. Journal of Immunology and Immunopathology. **15(1)**. Jan-June 2013 (special issue)
12. Sudhani, HN, Sankhala, LN, Gahlot, Bhawna, Bhavsar, SK, Thakar, AM. Immunotoxic potential of Alphacypermethrin on humoral and cell mediated immunity in mice. Journal of Immunology and Immunopathology. **15(1)**. Jan-June 2013 (special issue)
13. Sudhani, HN, Sankhala, LN, Gahlot, Bhawna, Bhavsar, SK, Thakar, AM. Haematological and immunological changes due to short term oral administration of alphacypermethrin. Journal of

Immunology and Immunopathology.**15(1)**.Jan-June 2013 (special issue)

14. Sankhala, LN, Sudhani, HN, Gahlot, Bhawna, Tripathi,SM, Bhavsar, SK, Thakar, AM. Immunomodulatory effect of *Tinospora cordifolia* stem extract on acephate intoxicated mice. Journal of Immunology and Immunopathology.**15(1)**.Jan-June 2013 (special issue)
15. Muchhara,J.A., Sankhala, L.N., Gahlot, B., Bhavsar, S.K., Thakar, A.M., Dadhaniya, P.K. Vachhani, K.V. and Patel C.D. (2014)Effect of ketoprofen on hematological and serum biochemical parameters of wistar rats. National Symposium of Veterinary Anatomy Vision - 2050 held on 8-10 Jan 2014, Bikaner, Rajasthan.
16. Muchhara,J.A., Sankhala, L.N., Gahlot, B., Bhavsar, S.K., Thakar, A.M., Dadhaniya, P.K. Vachhani, K.V. and Patel C.D. (2014)Histopathological changes due to subacute intramuscular administration of ketoprofen. National Symposium of Veterinary Anatomy Vision -2050 held on 8-10 Jan 2014, Bikaner, Rajasthan. Pp-41
17. L.N. Sankhala. Cow pathy: a new version of ancient science..one day workshop on clinical applicability of panchgavya held on 25 feb 2015 at Dr. S.R. Rajasthan Ayurved University ,Jodhpur
18. L.N Sankhala, S.M. Tripathi, H.N. Sudhani, S.K. Bhavsar and A.M. Thakar. Toxic potential of oral subacute acephate exposure at different dose rate in balb/c mice. 15th Annual Convention of Indian Society of Veterinary Pharmacology & Toxicology (ISVPT) on "Nutritional Pharmacology and Toxicology beyond Calories" to be held during January 14-16, 2016.
19. Syamantak Mani Tripathi, L.N.Sankhala, Prem Kumar G., Megha Kadam Bedekar, Rajesh K. Sharma, S. Roul, Sailendra K. Thakur, B.C. Sarkhel, Aswin M. Thakar. Ameliorating effect of alcoholic

extract of phyllanthus niruri against immunotoxicity caused by subchronic exposure to acephate in white leghorn chicks. 15th Annual Convention of Indian Society of Veterinary Pharmacology & Toxicology (ISVPT) on "Nutritional Pharmacology and Toxicology beyond Calories" to be held during January 14-16, 2016.

20. Syamantak Mani Tripathi, M.K.Bedekar, P.Kumar.G., L.Sankhala, R.K. Sharma, A.T.Hasan, Shyamala R., B.C. Sarkhel,A.M.Thakar. Experimental immunotoxicity in white leghorn birds induced by subchronic exposure to acephate and its amelioration with medicinal plant '*Solanum nigrum*'. 15th Annual Convention of Indian Society of Veterinary Pharmacology & Toxicology (ISVPT) on "Nutritional Pharmacology and Toxicology beyond Calories" to be held during January 14-16, 2016.
21. L.N.Sankhala, J.P.Kachhawa, Manisha Champawat and Hemwati .Current techniques to investigate wild life crime. New horizon of veterinary and medical forensic medicine, to be held during march 5-6, 2016 in department of clinical medicine, ethics and jurisprudence, CVAS,RAJUVAS, BIKANER
22. M.Champawat, L.N.Sankhala, P.Sharma, A.Gaur, A.Ranjan, Hemvati, G.C.Gahlot. Pharmacokinetic profile of single dose intramuscular administration of cefquinome in goats. XVII Annual conference of Indian Society of Veterinary Pharmacology and Toxicology and National Symposium on "Combating Antimicrobial Resistance" scheduled to be held during december 20-22, 2017
23. Hemwati, P.Sharma, A.Gaur, L.N.Sankhala N.Dinodia, M.Meena. Disposition kinetics of cefquinome in calves with co-administration of flunixin. XVII Annual conference of Indian Society of Veterinary Pharmacology and Toxicology and National Symposium on "Combating Antimicrobial Resistance" scheduled to be held during

december 20-22, 2017

24. Hemwati, P.Sharma, A.Gaur, L.N.Sankhala N.Dinodia. Disposition kinetics of cefquinome in calves following single intramuscular bolus dose. XVII Annual conference of Indian Society of Veterinary Pharmacology and Toxicology and National Symposium on "Combating Antimicrobial Resistance" scheduled to be held during december 20-22, 2017
25. Kumar, L; Sankhala, L.N.; Dedar, R.K.; Kant, L.; Badsawal, D.K.; Mehta, S.C. and Tripathi, B.N. Antibacterial activity of leaves extract of Eucalyptus globulus and Tamarindus indica against R. equi. XIX Annual conference of Indian Society of Veterinary Pharmacology and Toxicology and National Symposium on "Pharmacogenomics in the development and validation of indigenous drugs" scheduled to be held during December 18-20, 2019 at CVAS, Mannuthy, Kerala
26. L.N.Sankhala, A. Ranjan, Sanjiv Joshi, Vikash Jaiswal and Suidhi "Toxicopathology of repeated dose oral imidacloprid administration on various organs of white leghorn broilers". 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 th th during 17 - 19 December, 2021 conducted from Bikaner.
27. L.N.Sankhala, A. Ranjan, Sanjiv Joshi, Vikash Jaiswal and Suidhi "Evaluation of Ameliorating potential of cow urine distillate in imidacloprid induced Toxicopathology in various organs of white

leghorn broilers".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 th th during 17 - 19 December, 2021 conducted from Bikaner.

#### **Hindi articles-**

1. जेनेरिक ड्रग्स-भ्रम और उनकी सत्यता – डॉ. लक्ष्मी नारायण सांखला – पशुपालन नए आयाम, राजूवास पत्रिका मई 2015 में प्रकाशित
2. पंचगव्य चिकित्सा : प्राचीन विज्ञान का नया रूप – डॉ. लक्ष्मी नारायण सांखला – पशुपालन नए आयाम, राजूवास पत्रिका जनवरी 2016 में प्रकाशित
3. पशुओं में शीशा धातु की विषाक्तता और उसका उपचार– डॉ. लक्ष्मी नारायण सांखला पशुपालन नए आयाम, राजूवास पत्रिका सितम्बर 2016 में प्रकाशित
4. पशुओं में सर्पदंश-प्रबंधन और उपचार..– डॉ. लक्ष्मी नारायण सांखला, डॉ. ललित कुमार, डॉ. लक्ष्मीकान्त –पशुपालन नए आयाम, राजूवास पत्रिका अगस्त 2017 में प्रकाशित
5. नये प्रतिजैविक (एंटीबायोटिक) की खोज : वर्तमान परिदृश्य एवं भविष्य की रूपरेखा – अमिता रंजन, प्रतिष्ठा शर्मा एवं एल. एन. सांखला– करम –2017 (भा.कृ.अनु.प.–राष्ट्री. उंट अनुसन्धान केन्द्र, बीकानेर) द्वारा प्रकाशित

6. वर्तमान में प्रतिजैविक औषधि प्रतिरोधकता की विकट समस्या – डॉ. एल. एन. सांखला, डॉ. ममता मीणा, डॉ. नीलम दिनोदिया – पशुपालन नए आयाम, राजूवास पत्रिका मई –2018 में प्रकाशित
7. मुर्गियों में खान-पान का रखे ख्याल – डॉ. एल. एन. सांखला, डॉ. लोकेश टॉक – पशु आहार एवं चारा बुलेटिन, राजूवास पत्रिका जुलाई-सितम्बर 2018 में प्रकाशित
8. सर्दियों में मुर्गीपालन प्रबंधन – डॉ. एल. एन. सांखला, डॉ. लोकेश टॉक –पशुपालन नए आयाम, राजूवास पत्रिका दिसम्बर –2018 में प्रकाशित
9. दूब घास के औषधीय गुण – डॉ. लक्ष्मी नारायण सांखला, डॉ. लोकेश टॉक – पशु आहार एवं चारा बुलेटिन, राजूवास पत्रिका जनवरी – मार्च 2019 में प्रकाशित
10. पशुओं में स्वच्छ दुग्ध उत्पादन पर एक नजर –डॉ. लक्ष्मी नारायण सांखला, डॉ. सुविधि, डॉ. जीशान नबी – समाचार पत्र दैनिक कामयाब कलम 30 जून 2020 में प्रकाशित
11. ऑर्गेनिक (जैविक) दूध का उत्पादन और महत्व – डॉ. एल.एन. सांखला, डॉ. लोकेश टॉक, डॉ. मनीषा सिंगोदिया – समाचार पत्र दैनिक कामयाब कलम 20 अगस्त 2020 में प्रकाशित
12. फिश एक्वेरियम की देख भाल – डॉ. एल.एन. सांखला, डॉ. लोकेश टॉक, डॉ. मनीषा सिंगोदिया – समाचार पत्र दैनिक कामयाब कलम 11 फरवरी 2021 में प्रकाशित
13. स्वच्छ दूध कैसे प्राप्त करें ? – डॉ. एल.एन. सांखला, डॉ. लोकेश टॉक, डॉ. मनीषा सिंगोदिया – समाचार पत्र दैनिक कामयाब कलम 26 मार्च 2021 में प्रकाशित
14. मधुमक्खी पालन : एक लाभकारी व्यवसाय – डॉ. एल. एन. सांखला, डॉ. लोकेश टॉक, डॉ. मनीषा सिंगोदिया – पशुपालन नए आयाम, राजूवास पत्रिका जुलाई 2021



15. 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
16. 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
17. 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
18. कीटनाषकों एवं फफूंदनाषकों का जनमानस पर दुष्प्रभाव : प्रयोग में सावधानियां – डॉ. लक्ष्मी नारायण सांखला, डॉ. लक्ष्मी कान्त, डॉ. अभिनव मीणा, डॉ. ललित कुमार – दैनिक कामयाब कलम 14 जनवरी 2022 में प्रकाशित
19. ठण्ड में होने वाली परेषनियों से रखें दूर सर्दियों में करें श्वान की उचित देखभाल – डॉ. लक्ष्मी नारायण सांखला – राजस्थान पत्रिका 10 फरवरी 2022 में प्रकाशित

### **Books -**

1. 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**
2. पशु पोषण (Animal Nutrition) (ISBN : 978-81-940608-5-7)  
**Dr. L.N. Sankhala, Dr. Manish Vashistha, Dr. Ashok Dangi, Dr. Murli Lal Mathur**
3. 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
4. आनुवांषिकी 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
5. 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
6. 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
7. 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
8. पशु शल्य चिकित्सा (Veterinary Surgery ) (ISBN : 978-81-940608-6-4)
- Dr. Manish Vashistha, **Dr. L.N. Sankhala**, Dr. Anil Gattani, Dr. Sumit Choudhary

### **Manual**

1. पशु शरीर रचना विज्ञान (Practical Veterinary Anatomy)
- Dr. Ashok Dangi, **Dr. L.N. Sankhala**, Dr. Sumit

Choudhary

2. पशु औषध विज्ञान (Practical Veterinary Pharmacology)

**Dr. L.N. Sankhala,** Dr. Ashok Dangi, Dr. Sumit  
Choudhary

3. पशु पोषण (Practical Animal Nutrition)

**Dr. L.N. Sankhala,** Dr. Ashok Dangi, Dr. Sumit

Choudhary

4. पशु चिकित्सा विज्ञान (Practical Veterinary Medicine)

Dr. Ashok Dangi, **Dr. L.N. Sankhala,** Dr. Sumit

Choudhary

5. आनुवांषिकी एवं प्रजनन (Practical Genetics and Breeding)

**Dr. L.N. Sankhala,** Dr. Ashok Dangi, Dr. Sumit

Choudhary

6. पशु शरीर क्रिया विज्ञान (Practical Veterinary Physiology)

**Dr. L.N. Sankhala,** Dr. Ashok Dangi, Dr. Sumit

Choudhary

7. पशुपालन प्रसार शिक्षा (Practical Animal Husbandry  
Extension Education)

**Dr. L.N. Sankhala,** Dr. Ashok Dangi, Dr. Sumit

Choudhary

8. पशु शल्य चिकित्सा (Practical Veterinary Surgery)

Dr. Ashok Dangi, **Dr. L.N. Sankhala,** Dr. Sumit

Choudhary

9. पशु प्रसूति विज्ञान (Practical Veterinary Gynaecology )

Dr. Ashok Dangi, **Dr. L.N. Sankhala**, Dr. Sumit

Choudhary

10. पशुधन उत्पादन एवं प्रबन्धन (Practical Livestock Production and Management )

Dr. Ashok Dangi, **Dr. L.N. Sankhala**, Dr. Sumit

Choudhary

### **Seminar/Conferences/training/ symposium attended**

- 1) Seminar on veterinary profession: challenges and opportunities under WTO regime held at College of Veterinary and Animal Science, Bikaner, Rajasthan on 12-13 Nov, 2011
- 2) International congress of canine practice on modern concepts in canine health and diseases of human concern and 9th convention of indian society for advancement of canine practice. held at College of Veterinary and Animal Science, Bikaner, Rajasthan on 9-11 Feb, 2012
- 3) 8<sup>th</sup> biennial ANA conference held at College of Veterinary and Animal Science, Bikaner, Rajasthan on 28-30 Nov, 2012
- 4) 6<sup>th</sup> convention of SIIP and international symposium on latest trends in immunodiagnosis , immunopathology and immunomodulation held at College of Veterinary and Animal Science, Bikaner, Rajasthan on Dec. 22-24, 2013
- 5) National seminar on formulation for disaster management technology for animals held at College of Veterinary and Animal Science, Bikaner, Rajasthan on 21-22 March, 2013
- 6) National Symposium of Veterinary Anatomy Vision -2050 held on 8-10 Jan 2014, at College of Veterinary and Animal Science, Bikaner, Rajasthan
- 7) International symposium on new horizon of camel surgery and large ruminant

surgery held on 15-17 Oct, 2014, at College of Veterinary and Animal Science, Bikaner, Rajasthan

8) Workshop entitled disaster management in animals A renewed approach and future vision held on 20 Feb 2015, at College of Veterinary and Animal Science, Bikaner, Rajasthan

9) One day workshop on clinical applicability of panchgavya held on 25 Feb 2015 at Dr. S.R. Rajasthan Ayurved University, Jodhpur Rajasthan

10) Have completed short term training on **Basics and Ethics of Animal's Experimentation**, organized by Dept of Pharmacology and Toxicology, CVAS, Parel, Mumbai

11) Have completed **Institutional Training Programme** dated on 26/4/10 to 9/5/10 at Rajasthan State Livestock Management and Training Institute, Animal Husbandry Department, Jaipur, Rajasthan

12) 21 days winter school "**Current concepts and frontier technologies for fertility management in farm animals**" held at National Dairy Research Institute, Karnal Haryana from 5/10/2015 to 25/10/2015

13) 21 days CAFT Training programme on "**Recent advances on stress genomics for livestock production**" held At Indian Veterinary Research Institute, Karnal Haryana from 9/01/2018 to 29/01/2018

#### **On line Seminar/Conferences/ Webinars/e-training/ e-symposium**

1. Webinar on impact of "Covid -19 on livestock and poultry production : Management and health strategies" organized by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P on 27-29 May 2020
2. National webinar on "Implications of Covid -19 on animal health and food security" organized by College of Veterinary and Animal Husbandry , Mhow, NDVSU , Jabalpur, M.P on 28-29 May 2020
3. Webinar on "Reprogramming of our mindset in 21<sup>st</sup> century" organized by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P on 30 May 2020

4. National webinar on “Contemporary issues in teaching and extension during COVID-19 pandemic” organized by College of Veterinary and Animal Husbandry , Mhow, NDVSU , Jabalpur, M.P on 30-31 May 2020
5. National workshop on “Improvement of livestock productivity and food security through milk and milk products” organized by College of Veterinary and Animal Husbandry , Mhow, NDVSU , Jabalpur, M.P on 1 June 2020
6. International webinar on “Career opportunities abroad – A veterinarian prospective” organised by College of Veterinary and Animal Husbandry , Mhow, NDVSU , Jabalpur , M.P on 13.06.2020
7. National workshop on “An insight to research proposal, statistical techniques and intellectual property rights” organized by College of Veterinary and Animal Husbandry , Mhow, NDVSU , Jabalpur, M.P on 26-28 June 2020
8. International webinar on “Upgrading the 100 years old TB vaccine by exploiting the apoptotic pathway executioner : A zoonotic perspective” organized by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P on 27.06.2020
9. National webinar on “Animal models : Challenges and future” organized by Indian Society of Veterinary Pharmacology And toxicology (ISVPT) on 27.06.2020
10. National webinar on “Monoclonal antibodies as therapeutics” organized by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P on 29 June 2020
11. National webinar on “Control and elimination of rabies” organized by College of Veterinary and Animal Husbandry , Jabalpur, NDVSU , Jabalpur, M.P on 30 June 2020

12. National webinar on “Dairy industry in india : Opportunities and challenges in perspective of COVID-19 pandemic” organized by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P on 30 June 2020
13. Two days National Webinar on “COVID 19 : Immunopathology, Clinical manifestation and Therapeutic measurements” organized by Department of Zoology and Internal Quality Assurance cell (IQAC), Govt. Madhav Science P.G. College, Ujjain , M.P on 30 June -1 July 2020
14. National webinar on “lumpy skin diseases in animals” organised Post Graduate Institute of Vet and Animal Science, Parbhani , MAFSU, Nagpur on 5.07.2020
15. Webinar on “Use of antibiotics in veterinary practice” organised by College of Veterinary Science and A.H., NAU, Navsari , Gujarat on 5 July 2020
16. Seminar through webinar organized by Association of Public Health Veterinarians on 6.7.2020
17. National webinar on “Bioavailability of nutrient and for channels : Anatomical approach” organised by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur , M.P on 07.07.2020
18. International webinar on “Animal health, production and entrepreneurship development in post covid-19 scenario” organised by Director Research Extension and Farm, West Bengal University of Animal and Fishery Science and Dept of Vety and Animal Husbandry Extension Education on 8 July 2020
19. National webinar on “Complementary and alternative veterinary therapeutics” organised by College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur , M.P on 9.07.2020
20. National webinar on “Impact of covid 19 on mental health” organized by

College of Veterinary and Animal Husbandry , Rewa, NDVSU ,  
Jabalpur , M.P on 10.07.2020

21. National webinar on “Pharmacological potential of AI and A2 milk :  
Myths and facts organised by Indian Society of Veterinary Pharmacology  
And toxicology (ISVPT) on 11.07.2020
22. Webinar on “Role of animal genetics and genomics for improvement of  
animal health and production” organized by College of Veterinary  
Science and A.H. , NAU, Navsari , Gujarat on 12 July 2020
23. National Webinar on “Basic bioinformatics and web based tools for  
experimental design organized by Indian Society of Veterinary  
Pharmacology And toxicology (ISVPT) on 25.07.2020
24. International webinar on “Livestock products in alleviating chronic  
human ailments” organised by College of Veterinary and Animal  
Husbandry , Rewa, NDVSU , Jabalpur , M.P on 28.07.2020
25. National webinar on prospects and challenges in poultry sector: Small  
scale farming to large commercial enterprises” organised by College of  
Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur , M.P on  
1.08.2020
26. National webinar on “Understanding the biology of newcastle disease  
virus for the development of recombinant vaccine” organised by College  
of Veterinary and Animal Husbandry, Parbhani, MAFSU, Nagpur on  
17.08.2020
27. National Webinar on “Antimicrobial resistance from food perspective”  
organised by Indian Society of Veterinary Pharmacology And toxicology  
(ISVPT) on 22.08.2020
28. National webinar on “Significance of ectoparasites in zoonosis and  
important parasitic zoonosis” organised College of Veterinary and  
Animal Husbandry , Rewa, NDVSU , M.P on 22.08.2020



- 29. Online training programme on “Smart dairying farming boosting productivity through innovations” organised by NAHEP-CAAST, NAU, Navsari, Gujarat on 18-22 Aug 2020**
30. National Webinar on “Blending local and global knowledge and information system ; Translating NEP goals in to practice” organized by LIKES, center of PGIVER, Jaipur on 29.08.2020
31. Workshop on “ABC of scientific writing” organized by Krishi Vigyan Kendra, ICAR-National Rice Research Institute, Cuttack on 18 Aug to 2 September 2020
32. E-Conference on “Alternative to animal experimentation in pharmacology organised by Dept of Pharmacology, V.V. Institute of Pharmaceutical Science on 3-4 Sept 2020
33. Webinar on “Canine and Feline Vaccination” organized by College of Veterinary Science and A.H. , NAU, Navsari , Gujarat on 6 Sept 2020
34. International webinar on “Lumpy skin diseases in bovine” organized by Post Graduate institute of Vet and Animal Science, Akola, MAFSU, Nagpur on 12.09.2020
35. Online international seminar on “Diagnostic Veterinary Pathology” organized by Department of Veterinary Pathology, Madras Veterinary College, Chennai on 12.09.2020
36. National webinar on “Role of drug metabolism and pharmacokinetics in drug discovery and development” organised by ISVPT on 12.09.2020
37. Six days online National workshop on “Fish health and disease management in tropics organised by College of Fishery Science , NDVSU, Jabalpur, Madhyapradesh on 9-14 Sept 2020
38. National webinar on “Pediatric health management of dog and cats: Crux of practical approach” organised by PGIVER, Jaipur on 15 Sept 2020

39. National webinar on “How to develop yourself for career in veterinary and animal husbandry domain” organised by LIKES, Center of PGIVER, Jaipur on 26.09.2020
40. International webinar on “One health approach for prevention and control of emerging zoonoses and rabies in india” organised by CDSRZ and PGIVER, Jaipur on 28 Sept 2020
41. 20th Annual e- conference and international webinar on “Receptor dynamics in cell signalling and National webinar “Translational approaches in herbal drug development organised by ISVPT -2020, Department of Pharmacology and Toxicology , College of Veterinary and Animal Science and Animal Husbandry, DUVASU, Mathura on 4-5 October 2020
42. **E-course** on “Field Application of Veterinary Laboratory Diagnosis” organized by Directorate of Human Resource Development, Rajasthan University of Veterinary and Animal Sciences, Bikaner on 7-19 October 2020
43. **Three days international online training programme on “Recent advances in nutritional management of dairy cow in changing paradigm” organised by post Graduate Institute of Veterinary and Animal science, AKOLA, Maharastra, on 6-8 October, 2020**
44. National webinar on “Advancement in Veterinary Diagnostic – A journey in veterinary pathology” organised by RAJUVAS and Indian Association of Veterinary Pathologists on 14 Oct 2020
45. National webinar on “Preclinical imaging biomarker in drug discovery” organized by ISVPT on 12.12.2020
46. One day National webinar on “Augmenting productivity in dairy animals through improved feeding management” organized by Department of Animal Nutrition, Veterinary College and research Institute, Orathanadu,

Tamilnadu on 23.12.2020

- 47. International 21 days e- training cum Orientation Programme on “Physio-biochemical and biotechnological approaches for optimization of health and reproduction in animals” organized by Department of Veterinary Physiology and Biochemistry, College of Veterinary and Animal Husbandry , Mhow, NDVSU , Jabalpur, M.P on December 1-21, 2020**
- 48. 21 days Online International Training cum Orientation programme on “Advances in Pharmacology : Addressing the paradigm shift in clinical and paraclinical sciences” organized by Department of Veterinary Pharmacology and Toxicology , College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P from 28 December to 21 January 2021**
49. National webinar on “Gender in livestock sector” organised by LIKES Center of PGIVER, Jaipur, RAJUVAS on 12.01.2021
50. Live webinar on “Recent advances in ecto and endo parasites control in livestock” organized by Alembic Pharmaceutical Ltd. on 17.01 .2021
- 51. 21 days Online Training cum Orientation programme on “Advances in clinico-pathological diagnosis of farm animals diseases : A Radical approach in doubling farmers income” organized by Department of Veterinary Pathology , College of Veterinary and Animal Husbandry , Rewa, NDVSU , Jabalpur, M.P on from 5-25 February 2021**
52. National seminar on “Prospective of rational therapy of Veterinary Drugs in Animal and Fisheries” organized by Department of Pharmacology and Toxicology , COVS and A.H, Orissa University of Agriculture and Technology, Orissa on 27-28 Feb 2021
53. National seminar on “Current trends in diagnostic approaches for diagnosis of important livestock diseases” organized by Society of

Bioinformatics And Biological Sciences, Pryagraj in collaboration with Applied Research and Development Organization, Jammu, on 07.03.2021

**54. 21 days Massive Open Online Course (MOOC) on “Information handling skills for teaching, learning and research” organized by Professor Jayashankar Telangana State University under ICAR-NAHEP (IG) Sub Project on National Knowledge Management Centre For Agricultural Education and Research From 1 March to 21 March 2021**

55. National webinar on “Disease diagnosis in poultry- A field perspective” organized by Indian Veterinary Association on 9.05.2021

**56. 30 days Massive Open Online Course (MOOC) on “Theoretical Foundations of Educational Technology” organized by ICAR-National Academy of Agricultural Research Management (NAARM) from 1-30 June 2021**

57. International Web symposium on “Camel and Disease control (IWCDC-2021) “ organised by Bikaner Interdisciplinary Research Consortium (BIRC) and Govt. Dungar College, Bikaner, Rajasthan on 22.06.2021

58. E- symposium on “Sustainable buffalo production through integration of reproduction, nutrition, health and knowledge dissemination” organized by Indian Society for Buffalo Development on 07.07.2021

59. National webinar on “Compassion, kindness and commitment for animals” organised by LIKES Center of PGIVER, Jaipur, RAJUVAS on 16.07.2021

60. Live webinar on “Blood transfusion in large animals under field conditions-: An innovative approach” organized by Alembic Pharmaceutical Ltd. On 25.07 .2021

**61. 21 days Online Training programme on “Concepts and applications**

**of pharmacology for meeting challenges of one health in 21 century” organized by Department of Veterinary Pharmacology and Toxicology , College of Veterinary and Animal Husbandry , Jabalpur, NDVSU , Jabalpur, M.P from 12 July to 1 August 2021**

**62. 21 days Online Training programme on “Recent Advances in Disease Diagnosis & Vaccines” organized by Department of Veterinary Microbiology , College of Veterinary and Animal Husbandry , Jabalpur, NDVSU , Jabalpur, M.P from 27 July to 16 August 2021**

63. National Workshop & Stakeholders Meet on “Medicinal Plants in Eastern India: Constraints and Prospects” organized by ICAR-Research Complex for Eastern Region, Patna, Bihar-800014 on August 06, 2021.

64. National Webinar on ‘Disease Forecasting: An Advanced Holistic Approach for Disease Control and Prevention’ conducted by Department of Veterinary Public Health & Epidemiology, College of Veterinary Science & Animal Husbandry, Rewa (N.D.V.S.U., Jabalpur, M.P.) on 11 August, 2021.

**65. Online summer programme conducted by College of Pharmacy, Taipei Medical University , Taiwan from 16/8/2021 to 20/8/2021**

**66. Online Training Program on “Skills for Entrepreneurship Development in Buffalo Husbandry” conducted by ICAR-CIRB & MANAGE, Hyderabad from 24-27 August 2021**

**67. 11 days online training on “Application of intellectual property rights (IPR) for different aspects of animal resources in india” during September 10-20, 2021 organised by Department of Animal Genetics & Breeding , College of Veterinary Science & A.H., Jabalpur (M.P.)**

**68. Seven Days National Training on “Lab Animals in Bio-Medical Research” organized by Department of Animal Genetics and**

**Breeding, College of Veterinary and Animal Sciences, MAFSU, Parbhani during 21st to 27th September 2021.**

- 69. Six week Massive Open Online Course (agMOOC) on “Management of infertility in cattle” organized by Centre for Continuing Education (CCE) , IIT, Kanpur, India Commonwealth of Learning (COL), Canada and TANUVAS, Chennai, India from 31.08.2021 to 15.10.2021**
- 70. Live webinar on “Tick Borne Haemoprotzoan Diseases in Animals and Its Management” organized by College of Veterinary and A.H., Central Agricultural University Selesih, Aizawl, Mijoram and Alembic Pharmaceuticals Ltd., Mumbai on 24 October 2021**
71. National Webinar on “Important animal diseases and their control program in India” organized by ICAR Research Complex for Eastern Region, Patna held on 23 October 2021
- 72. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Gene and Genome Technology for Biologists" from 22/11/2021 to 26/11/2021 at Bihar Animal Sciences University.**
- 73. 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 th th during 17 - 19 December, 2021 conducted from Bikaner.**
74. International Webinar and memorial orations of Indian Society of Veterinary Pharmacology And toxicology (ISVPT) organized by department of veterinary pharmacology and toxicology , veterinary college and research institute, Namakkal, TANUVAS held on 21.12.2021
- 75. 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, Dist-Satara, Maharashtra (412801) Maharashtra Animal And Fishery Sciences University, Nagpur from 20th to 24th December 2021.**

**76. Eight days “National Training Programme for Faculty Development” Conducted for the faculty of RAJUVAS, Bikaner Organized by ICAR-NAARM, Hyderabad during 04-11 February, 2022**

**77. One month Massive Open Online Course (MOOC) on “Digital Teaching Techniques” organized by ICAR-National Academy of Agricultural Research Management (NAARM) from 1-31 December 2021**