

**Department of Veterinary Microbiology**  
**College of Veterinary Science & A. H.**  
**Kamdhenu University,**  
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**Name** : Kishan Kumar Sharma  
**Designation** : Associate Professor  
**Date of Birth** : 01/08/1976  
**Professional Experience** : 17 Years  
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**Educational Qualification:**

Degree	Year	OGPA	Subject	University
Ph.D.	2016	8.16	Veterinary Microbiology	Navsari Agricultural University, Navsari
M.V. Sc	2004	7.97	Veterinary Microbiology	Rajasthan Agricultural University, Bikaner
B.V. Sc & A.H.	2001	7.32	Veterinary Science & Animal Husbandry	Rajasthan Agricultural University, Bikaner
National Eligibility Test	2005	PASS	Veterinary Microbiology	Indian Council of Agricultural Research, New Delhi

**Work Experience: (Total 17 Years)**

Associate Professor	College of Veterinary Science & Animal Husbandry, SDAU, Navsari	08 May 2018 – Till Date
Assistant Professor	Vanbandhu College of Veterinary Science & Animal Husbandry, NAU, Navsari	22 Jan 2009 – 07 May 2018
Assistant Professor	Apollo College of Veterinary Medicine, Jaipur	22 July 2004 - 21 Jan 2009

**Research:**

*Co-Principal Investigator of external agency projects: -*

- Indian Network for Fisheries and Animal Anti Microbial Resistance (INFAAR)
- Surveillance of COVID-19 in non human hosts

*Principal Investigator: University Funded Research Projects (06)*

- Pre Clinical studies on oncolytic effects of *Newcastle Disease Virus (NDV)*
- Molecular and serological diagnosis of Infectious Bovine Rhinotracheitis in bovines.
- Molecular diagnosis of canine distemper in dogs (2016- 2018).
- Evaluation of different methods of DNA extraction in diagnosis of Canine parvovirus infection for PCR and real time PCR (2016- 2018).
- Comparison of PCR and ELISA for screening of canine Parvovirus (CPV) in Dogs (2013-2017).
- Study of selected pathogenic attributes of *Escherichia coli* from neonatal calf diarrhea (2011).

*Co-Principal Investigator: State Funded Plan Project (B. H.-12049 )*

- Establishment of Regional Animal Disease Diagnosis and Research Laboratory (2012-2018)

## Techniques Known :

- **Bacteriology** Bacterial Culture, Antibacterial Sensitivity Testing, Biochemical Testing
- **Virology** Cell Culture, Viral Quantification, Cell Cryopreservation, Virus Neutralization Test
- **Immunology** Haemagglutination, Haemagglutination-Inhibition, ELISA, Intradermal testing, Gamma Interferon Assay , Vaccine Preparation
- **Molecular Biology** Nucleic Acid isolation, PCR , Real Time PCR, Agar Gel Electrophoresis, SDS-PAGE,
- **Others** Mice Experimentation, High Speed Centrifugation

## Administrative and HRD activities:

- Convener , SSR preparation for ICAR accreditation
- Library In-charge, Veterinary College, NAU, Navsari **Feb 2009-Aug 2013**
- Co- Organizing/ Joint Secretary of One Day State Level ASCAD Seminar **02**
- Special Training Conducted on Leptospirosis. **01**
- ASCAD Trainings Conducted **11**

## Publications:

- |                               |           |                                   |           |
|-------------------------------|-----------|-----------------------------------|-----------|
| • Book (Co-Author)            | <b>01</b> | • Abstracts Published / Presented | <b>19</b> |
| • Souvenir (Editor)           | <b>01</b> | • Popular Articles                | <b>03</b> |
| • Invited Lecture             | <b>02</b> | • Practical Manual                | <b>07</b> |
| • Full length Paper Published | <b>33</b> | • ASCAD Training Manual           | <b>11</b> |
|                               |           | •                                 |           |

## Seminar/Symposium/Workshops/Training attended:

- |                                     |           |                                 |           |
|-------------------------------------|-----------|---------------------------------|-----------|
| • National Seminar                  | <b>09</b> | • Winter school/ CAFT (21 days) | <b>02</b> |
| • National/ International Symposium | <b>08</b> | • Workshops/ Other Training     | <b>06</b> |

## Awards and Honours :

- Best Poster award to S.G. Malaviya, I.H. Kalyani, H.C. Chauhan, D.R. Patel and **K.K. Sharma** for the work “The study of the coincidence of Rotavirus and *E.coli* infection in neonatal calf diarrhea” during XVIII Annual Convention of ISVIB organized by College of Veterinary Sci. & A. H., SDAU, Dantiwara from 12-14 December, 2011.

## Membership of Professional Societies

- Member of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases (IAVMI)
- Member of Association of Microbiologists of India (AMI)
- Member of Gujarat Association for Agricultural Sciences (GAAS)
- Member of Agricultural Research Sub-committee on Animal Health, Navsari Agricultural University
- Member of Gujarat Veterinary Council (GVC)

## A. Research Articles : As First Author

01. **Sharma K. K.**, Desai D. N., Tyagi K. K., Kalyani I.H. (2019) Bacteriological and molecular diagnosis of caseous lymphadenitis in goats at an organized farm. *Indian Journal of Small Ruminants (The)*, 25 (1): 124-127.
02. **Sharma K.K.**, Kalyani I.H., Pandya S.M., Vala J.M. (2018) Diagnosis and characterization of canine parvovirus-2 affecting canines of South Gujarat, India. *Acta Veterinaria Brno*, 87: 3 247-254.
03. **Sharma K. K.**, Kalyani I. H., Mahapatra J., Patel S. D., Patel D. R., Vihol P. D., Chatterjee A., Patel D. R. and Vyas B. (2017) Evaluation of R2B Mukteshwar vaccine of Newcastle Disease Virus (NDV) for oncolysis of colon cancer cell line(SW-620). *Archives of Virology*,**162(9)**: 2705-2713.
04. **Sharma K. K.**,Vihol P. D., Kalyani I. H., Patel D. R. and Rahod P. H. (2017) Leptospira induced abortion in Goats in Southern Gujarat. *Indian Journal of Veterinary Pathology*,**41(4)**:300-302.
05. **Sharma K. K.**,KalyaniI. H., PatelD. R. and Pandya G. M. (2016) Enumeration Techniques of Newcastle Disease Virus (NDV) for Oncolytic Virotherapy. *Journal of Animal Research*,**6**:905-910.
06. **SharmaK. K.**, KalyaniI. H., Kshirsagar D. P. and PatelD. R. (2015 ) Determination of Herd Prevalence of Brucellosis Using Rose Bengal Plate Test and Indirect ELISA. *Journal of Animal Research*,**5**: 105-108.
07. **Sharma K. K.**, Kshirsagar D. P.,Patel D. R., Vihol P. D., Patel J. M., MavadiyaS. V. and Kalyani I. H. (2015) Diagnosis of Peste Des Petits Ruminants (PPR) Infection in Small Ruminants Through In-House Developed Indirect ELISA: Practical Considerations. *Veterinary World*, **8**: 443-447.
08. **Sharma K. K.**, Patel D. R. and KalyaniI. H.(2015) Detection of Rotavirus and Associated Bacteria from Outbreak of Neonatal Calf Diarrhoea in Colostrum Deprived Calves.*Veterinary Practitioner*,**16(1)**: 88-89.
09. **Sharma K. K.** and Soni S. S. (2010) Septicaemic Potential and Serum Resistance among Intestinal *Escherichia Coli* of Neonatal Calves. *Indian Journal of Comparative Microbiology Immunology and Infectious Diseases*, **31 (1&2)**: 17-20.
10. **Sharma K. K.**,Vyas S., Kashyap S. K. and AminuDeen (2008 ) Isolation and Identification of Bacteria from Lower Genital Tract of Female Dromedary Camel . *Veterinary Practitioner*,**9(1)**:19-21.

11. **Sharma K. K.** and Soni S. S. (2006) Evaluation of Whole cell and Fimbrial *Escherichia coli* Vaccine in Mice. *Indian Journal of Comparative Microbiology Immunology and Infectious Diseases*, **27(1&2)**:83-86.
12. **Sharma, K. K.**, Soni S. S. and Meharchandani S. (2006) Congo Red Dye Agar Test as an Indicator Test for Detection of Invasive Bovine *Escherichia coli*. *Veterinarski Arhiv*, **76 (4)**: 363-366.

## B. Research Articles As Co- Author

1. Shinde R. S., Chauhan H. C., Patel A. C., **Sharma K. K.**, Patel S. S., Mohapatra S. K., Shrimali M. D., Chandel B.S. (2021) VP2 gene sequencing based Geno-grouping of infectious bursal disease viruses isolated from Gujarat and Maharashtra state (India). *Virus Disease*. 32 : 823-829.
2. Chaudhary S. S., Chauhan H. C., **Sharma K. K.**, Patel S. S., Mohapatra S. K., Patel A C., Shrimali M. D., Chandel B.S. (2021) Bacteriological and molecular identification and characterization of *Staphylococcus aureus* from different affections of canines. *Indian Journal of Animal Research*, 55 (4): 474-478.
3. Shinde R. S., Chauhan H.C., Patel S. S., **Sharma K.K.**, Patel A. C., Shrimali M. D., Mohapatra S. K., Chandel B.S. (2021) Molecular and cultures based diagnosis of infectious bursal disease virus (IBDV) in vaccinated and non vaccinated poultry flocks. *Indian Journal of Animal Research*. 1 5
4. Desai D., Kalyani I., Solanki J., Patel D., Makwana P., **Sharma K.**, Vala J., Muglikar D. (2021) Serological and nucleocapsid gene based molecular characterization of Canine Distemper Virus (CDV) isolated from dogs of southern Gujarat, India. *Indian Journal of Animal Research* 55 (10 ): 1224-1232.
5. Patel S. S., Patel A. C., **Sharma K. K.**, Chauhan H. C., Raval S. H., Shrimali M. D., Shinde R. S., Pandya M. M. (2020) Molecular detection of extended spectrum Beta Lactamase (ESBL) producing multidrug resistant *E. coli* from Rabbit. *Journal of Animal Research*, 10(5): 691-695.
6. Patel M.V., Chauhan H.C., Chandel B.S., Kumar P., Patel A.C., Patel S.S., Shrimali M.D., Dadawala A. I., **Sharma K.K.** (2020) Effect of Toll Like Receptor agonists on adaptive immune response generated against Newcastle Disease virus in chicken. *Journal of Immunology and Immunopathology*. 22(2) : 207-213
7. Shrimali M.D., Patel S.S., Chauhan H.C., Chandel B.S., Patel A.C., **Sharma K.K.**, Dadawala A.I. Bhagat A.G. Mohapatra S.K., Shinde R.S. (2019) Seroprevalence of Brucellosis in Bovine. *International Journal of Current Microbiology and Applied Science*, 8 (11) 1730-1737.

8. Sakhare P.S., Kalyani I.H., Vihol P., **Sharma K.K.**, Makwana P. (2019) Symptomatology and Pathomorphological changes in Outbreak of Peste Des Petits Ruminants (PPR) in Small Ruminants *Intas Polivet*, 20 (1): 118-122.
9. Sakhare P., Kalyani I., Vihol P., **Sharma K.**, Solanki J., Desai D., Makwana P. (2019) Seroepidemiology of Peste des Petits Ruminants (PPR) in Sheep and Goats of Southern Districts of Gujarat, India. *International Journal of Current Microbiology and Applied Science*, 8 (11): 1552-1565.
10. Patel D. R., Kalyani I. H., Trangadia B. J., **Sharma K. K.**, Makwana P. M., Desai D.N., Muglikar D.M., Sakhare P. S. (2018) Detection of Bovine Herpesvirus-1 infection in Bovine clinical samples by direct fluorescent antibody test. *India International journal of current microbiology and applied science*, 7 (11): 2229-2234.
11. Malaviya S. G., Kalyani I.H., **Sharma K.K.**, Sakhare P.S. and Patel D.R. (2017) Prevalence of Toxigenic *Escherichia coli* (*E.coli*) and Rotavirus Among Neonatal Calves in South Gujarat Region (India) Using Classical and PCR Based Methods. *Ruminant Science*, **6(1)**:137-142.
12. Pandya S. M., **Sharma K. K.**, Kalyani I. H. and Sakhare P. S. (2017) Study on Host Predisposing Factors and Diagnostic Tests for Canine Parvovirus (CPV-2) Infection in Dogs. *Journal of Animal Research*, **7 (5)**: 897-902.
13. Patel H. I., Kalyani I. H., Sakhare P. S. and **Sharma K. K.** (2017) Isolation, Serotyping and Antibigrams of *Escherichia coli* from Neonatal Kids. *Indian Journal of Small ruminants*, **23**: 39-42.
14. Kumar N., **Sharma K. K.** and Varghese A. (2016) Kinetics of Fasciolagigantica Antibody Response in Naturally Infected Bovine Ensuing Levamisole and Oxylozanide Combination Therapy. *Journal of Animal Research*, **3(6)**: 393-399.
15. Patel J.M., Patel D.R., Mavadiya S.V. , Solanki J.B. , Vihol P. D., **Sharma K.K.**, Trangadia B. J. and Kalyani I.H. (2015 ) Clinicopathological Investigation of an Outbreak of Peste Des Petits Ruminants in Small Ruminants in South Gujarat, India. *Indian Journal of Veterinary Pathology*, **39(1)**: 20-23.
16. Sharma D. K., Jallewar P. S. and **Sharma K. K.** (2010) Antibigram of Bacteria Isolated from Bovine Subclinical Mastitis. *Indian Veterinary Journal*, **87**:407.
17. Sharma D. K., Joshi G., Lakhota R. L. and **Sharma K. K.** (2010) Canine Dermatophytosis. *Indian Veterinary Journal*, **87**:810-811.
18. Krishnamurthy P., **Sharma K. K.** and Man Singh (2006) A rare case of multiple cystic calculi in Dachshund Dog. *Intas Polivet*, **7 (1)**: 86-87.

19. Singh S., Dadhich H., **Sharma K. K.** and Kashyap S. K.(2004) Bacteriological study of cystic hyperplasia pyometra complex in canines. *Indian Journal of Comparative Microbiology Immunology and Infectious Diseases*, **25(2)**: 140-141.
20. Joshi V., Hukmaram, Bhatt L. and **Sharma K. K.** (2003) Tetanus in Camel: A Case Report. *Veterinary Practitioner*, **4(2)**:94.
21. Bhatt L., Joshi V., Mittal V. **Sharma K. K.** and Verma D. (2003) Diagnostic Approach Through Epidemiology. *Veterinary Practitioner*, **4(2)**:144-145.

### **Invited Lectures**

1. Sharma K. K. and Chauhan H. C. (2021 ) **Antibiotic Sensitivity (Susceptibility) test as an Important tool to curtail Anti Microbial Resistance (AMR)**. World Antibiotic awareness week celebration -2021 at Shri **KNP** College of Veterinary Science & AH, Shirwal , MAFSU on 25<sup>th</sup> Nov , 2021 .
2. Sharma K. K. and Chauhan H. C. (2021 ) **Newer Concepts in Anti Microbial Resistance (AMR) Determination : ‘Paths leading to ‘ Same Day Result of AMR’**. ISVIB conference at DUVASU Mathura on 24<sup>th</sup> March ,2021 .