

CURRICULUM VITAE



Dr. Sandeep Kumar Sharma

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OBJECTIVES

My objective is to work for animal and human well-being as well as for their welfare by performing honestly and sincerely with my best efforts and knowledge of veterinary science keeping one health concept in mind.

EDUCATIONAL QUALIFICATION

Examination/ Year	Institution/University	%/OGPA
Ph.D. (Veterinary Microbiology)/ 2016	RAJUVAS, Bikaner	8.22/10
M.V.Sc.(Veterinary Microbiology)/ 2012	RAJUVAS, Bikaner	7.97/10
B.V.Sc.& A.H.(D.V.M.)/2010	SKRAU, Bikaner	7.46/10
Senior Sec. School/ 2001	Board of Secondary Education, Rajasthan	73.69%
Secondary School/ 1999	Board of Secondary Education, Rajasthan	66.50%

EXPERTISED EXPERIENCE

- **Expert Member, (Veterinary Microbiology) of state level of committee of Rajasthan state government** regarding Prevention and Control of Infectious and Contagious Diseases (PCICD) in Animals Act 2009, From 2017 to till date.
- **Subject Matter Specialist** with ISO, NABCB, Quality management system audit team for An ISO 9001: 2008 certification of Animal Husbandry, Regional Veterinary Biological Unit Government of Rajasthan, October, 2014.
- Expertise of **microbiological procedures**, isolation & characterization of various bacterial pathogens (*Staphylococcus aureus*, *Streptococcus spp.*, *Klebsiella pneumoniae*, *E. coli*, *Pseudomonas aeruginosa*, *Salmonella spp.* & *Enterobacter spp.* etc.)
- Expertise of various **biotechnological techniques** (DNA Profiling, variants of PCR, Variants of Electrophoresis and Blotting techniques), **Immunological techniques** (ELISA, RIA, FAT, Immunohistochemistry & STAT) and **Bioinformatics** (Sequence submission & retrieval from data base, BLAST, MLST, Phylogenetic analysis, Protein structure predication and various software handling DNA Star, MEGA, GENE TOOL etc.)
- **Expert Member** association with Project titled “**Clinical trial of enterotoxaemia & tetanus combined vaccines in sheep**” jointly by Indian Immunological Limited, Hyderabad and Department of Veterinary Microbiology and Biotechnology, Bikaner and, 2011-12.

- Trained on Five day “**Training on laboratory animal welfare**” at National Institute of Animal Welfare: Faridabad, 2011. Including Laboratory, Experimental, Slaughter, Wild and Zoo animal welfare.
- One day workshop on “**Wildlife management and health & hand-on training on immobilization of wild animals for transportation and treatment.** at center for studies on wildlife management & health. RAJUVAS, Bikaner, 2013.

Extension Work/ Training Organization

1. **Training Coordinator** of Five Days Training on “Techniques of Animal Disease Diagnosis and Control” Sponsored by Assistance to States for Control of Animal Disease (ASCAD) Program of Department of Animal Husbandry and Dairying (India) and State Animal Husbandry Department (Rajasthan). 7th to 11th March, 2022. at PGIVER Jaipur
2. **TV talk** delivered on “Antimicrobial resistance: from awareness to action” in live broadcast on 31/12/19.
3. **TV talk** delivered on “Antimicrobial resistance: from awareness to action” in live broadcast on 3/09/19.
4. **Radio talk** delivered on “Antimicrobial resistance: from awareness to action” in RAJUVAS Akashwani Program Broadcast on 4/04/19.
5. **Radio talk** delivered on “Antimicrobial resistance: from awareness to action” in RAJUVAS Akashwani Program Broadcast on 23/02/17.
6. Invite chapter on “**Management of wildlife animal during transportation**” in Manual workshop on “wildlife management and health & hand-on training on immobilization of wild animals for transportation and treatment. Pp. 138-142: 2013.
7. Invite chapter on “**Wildlife rescue and first aid tips**” in Manual workshop on “wildlife management and health & hand-on training on immobilization of wild animals for transportation and treatment. Pp. 147-150: 2013.
8. Delivered an expert invited lecture in **International Workshop on Antimicrobial Resistance and Strategies for Its Mitigation** NAM S&T Centre and GADVASU Ludhiana (Punjab), India, 10-13 July 2018.
9. **Training programs** organized as well as delivered lectures.

S. No.	Date	Place	Topic
1.	28/04/17	Directorate of Animal Husbandry, Jaipur, Rajasthan	Antimicrobial resistance: from awareness to action
2.	29/06/17	PGIVER, Jaipur	Prudent use of antibiotics in animals
3.	31/07/17	Poultry farms Nayla, Ranisar villages, Jaipur District	Judicious use of antibiotics in poultry for disease prevention and control
4.	13/08/17	Poultry farms of Ajmer district	Prevention of antibiotic use as feed additive supplement and growth promoters
5.	24/09/17	Barkheda village in Tonk district	Conscious and judicious use of antibiotics for animal treatment.
6.	25/10/17	RSLMTI, Jaipur	Antimicrobials- judicious use versus resistance
7.	1/11/17	RSLMTI, Jaipur	Collection, preservation and dispatch of samples for antimicrobial sensitivity test and other diagnostic application to curb antimicrobial resistance
8.	13-19/11/17	PGIVER, Jaipur	Molecular characterization and real time expression of antimicrobial genes
9.	16-23/12/17	Frozen Semen bank, Bassi, Jaipur	Awareness regarding judicious use of antibiotics in relation to therapeutic management of gynecological disorders and hygienic & quality production of semen
10.	13/01/18	RSLMTI, Jaipur	Diagnostic Approach and overview of culture sensitivity test to combat Antimicrobial resistance
11.	19/02/18	PGIVER & IIS	General awareness and role of routine activities in

		University, Jaipur	spread of antimicrobial resistance
12.	20-25/02/18	Germ Plasma Station, Narwa, Jodhpur & PGIVER, Jaipur	Best Practices in Semen Production & Quality Evaluation” for dairy officers and technicians of Germ Plasma Station
13.	20/04/18	Jyoti Vidhyapeeth Women’s University Ajmer Road, Jaipur	Acquainted for various laboratory procedures and General awareness for spread of antimicrobial resistance
14.	10/07/18	GADVASU, Ludhiana	Antibiotic Resistance Profiling of Animal Origin <i>Escherichia coli</i> Isolates Associated with Various Clinical Infections.
15.	12/7/18	RSLMTI, Jaipur	Awareness regarding AMR and responsible use of antibiotics in animals
16.	24/08/18	RSLMTI, Jaipur	Epidemiological aspects of Foot and mouth disease
17.	15/12/18	RSLMTI, Jaipur	Current Challenges to Antimicrobial Resistance
18.	8/02/19	RSLMTI, Jaipur	How to prevent Antimicrobial Resistance and alternative latest diagnostic approach
19.	10/03/2022	ASCAD Training, PGIVER, Jaipur	Judicious use of antibiotics in veterinary practices to avert global AMR crises
20.	25/06/2022	APEX Centre, CVAS Bikaner, In Five Day Training Program	Bioinformatics: Advance tool for Animal Disease diagnosis
21.	28/09/2022	ATCS, a Nagarro Company	"RABIES and PET LOVERS" On World Rabies Day.
22.	28/09/2022	PGIVER, On World Rabies Day	Awareness of Society for : Rabies
23.	15/03/23	RSLMTI, Jaipur	Interpretation of laboratory test value for small animals
24.	18/03/23	RSLMTI, Jaipur	Immunoglobulin therapy for canine viral infections

Administrative and Scientific Work Experience

- **Assistant Professor** in Department of Veterinary Microbiology and Biotechnology, Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (from 17th June 2014 till date)
- **In-charge**, Department of Veterinary Pharmacology & Toxicology, Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (from 12th February, 2024 to till date)
- **In-charge**, Games and Sports Section, Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (from 20th May 2014 to till date)
- **In-charge of Milk Microbiology Unit**, Advanced Milk Testing & Research Laboratory (AMTRL), NABL Accredited Unit (from 10th August 2021 to till date)
- **Senior Microbiologist** at Advanced Milk Testing & Research Laboratory (AMTRL), NABL Accredited Unit (from 3rd February 2021 to till date)
- **In-charge**, Department of Veterinary Microbiology and Biotechnology, Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (from 17th June 2014 to 31st August 2015 and 1st April 2016 to 02.08.23)
- **Program office & In-charge, NSS** at Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (From 26th April, 2023 to 6th May 2024.)

- **Principal Investigator (P.I.)** of Five Year RKVY project entitled “Epidemiological Mapping of Antimicrobial Resistance and its Underlying Genetic Mechanisms for Improvement in Health of Livestock & Poultry Sector” (from 18th January 2017 to 2021-22)
- **Co- Principal Investigator (Co.-P.I.)** of Five Year RKVY project entitled “Centre of Diagnosis, Surveillance & Response of Zoonotic Diseases” (from 18th January 2017 to till date)
- **In-charge of NCC** at Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (From 29th March 2016 to 23rd April, 2023.)
- **In-charge of Library** at Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (from 1st April 2016 to 18th April, 2023)
- **In-charge of Games & Sports** at Post Graduate Institute of Veterinary Education and Research- Jaipur, Rajasthan University of Veterinary and Animal Sciences, Bikaner. (from 1st December 2014 to 31st August, 2015)
- **Associated as expert, Veterinary Microbiology** in RKVY, Project entitled as “Capacity Building for Detection of Newer synthetic ingredients, highly pathogenic microbial presence, drug and pesticides residues, Pollutants etc. by establishing high end milk quality testing research laboratory at Jaipur” (from 23rd August 2014 to 31st August, 2015)
- Contractual teacher in Department of Veterinary Microbiology and Biotechnology, College of Veterinary and Animal Sciences, Bikaner (08.05.2012 to 03. 09. 2012).

Guiding of the Post-Graduation Students

S. No.	PG Degree Program	Major Advisor		Co- Advisor	
		No. of completed	No. of Running	No. of completed	No. of Running
1.	M.V.Sc.	05	02	05	05
2.	Ph.D.	--	01	05	01

Awards and Fellowships

1. Best Oral Presentation Award

Sandeep Kumar Sharma, Amit Kumar Pandey and Anil Kumar Kataria (2019). **Biotechnological Interventions to Understand the Intricacies of MRSA, Origin from Animal and Human clinical Settings.** At National Symposium on “Sustainable Improvement in Animal Health and Production- Bridging Science and Policy for Economic Upliftment of Farmers” and “1st Annual Convention of Veterinary Internal and Preventive Medicine Society” 8-9 November, 2019 at, DUVASU, Mathura, Uttar Pradesh.

2. Best Participant Award at VIPM, 2019

In recognition of valuable and generous contribution during National Symposium on “Sustainable Improvement in Animal Health and Production- Bridging Science and Policy for Economic Upliftment of Farmers” and “1st Annual Convention of Veterinary Internal and Preventive Medicine Society” 8-9 November, 2019 at, DUVASU, Mathura, Uttar Pradesh.

3. University Felicitation Award on 15th August 2019

To being selected as member of editorial board of NAAS rated Research Journal “Journal of Animal Health and Production (ISSN 2308-2801)”

4. Best Poster Award

Sandeep Kumar Sharma, Pragya Nathiya, Anil Kumar Kataria and Sharat Chander Mehta (2018) **Analysis of haemolysins and toxic shock syndrome toxin genes of Staphylococcus aureus**

obtained from animal and human clinical samples. At VI Annual Convention of Society for Veterinary Science & Biotechnology and National Symposium on Newer Concepts and Approaches for Improvement in Animal Health and Production (SVSBT – 2018) in CVAS, Navania, Udaipur, 13-14 December 2018.

5. Best Poster Award

Sharma, S.K., Khan, S., Faridi, F.N., Galav, V., Agrawal, M., Rathore, G.S. and Yadav, S.K. (2018) *Multidrug Resistance pattern of Klebsiella oxytoca obtained from clinical samples of camel Camelus dromedarius.* At VI Annual Convention of Society for Veterinary Science & Biotechnology and National Symposium on Newer Concepts and Approaches for Improvement in Animal Health and Production (SVSBT – 2018) in CVAS, Navania, Udaipur, 13-14 December 2018.

6. Best Poster Award

Saba Khan, R.K. Tiwari, V. Galav, **S.K. Sharma,** N.K. Nogia, S. Dariya and R. Dadhich (2018) *Comparative aetio-pathological investigations in to bronchopneumonia in sheep and goat, and determination of antibiotic sensitivity pattern.* At Asian Regional Conference on Goats (ARCG -2018) in Amity University Jaipur, Oct. 22-26, 2018.

7. University Felicitation Award on 26th January 2017

In recognition of “Getting New Extra-Mural Funded RKVY Project as PI on “Epidemiological mapping of Antimicrobial Resistance (EMAMR) at RAJUVAS Bikaner.

8. University Felicitation Award on 26th January 2017

In recognition of “Getting New Extra-Mural Funded RKVY Project as Co-PI on “Centre for Diagnosis, Surveillance & Response of Zoonotic Diseases (CDSRZ) at RAJUVAS Bikaner.

9. Award of "**Innovation in Science Pursuit for Inspired Research (INSPIRE)**" Fellowship to the Research Students [IF130331] from Department of Science & Technology Ministry of Science & Technology, Government of India.

10. Award of **First rank certificate in M.V.Sc. (Veterinary Microbiology)** among Rajasthan University of Veterinary and Animals Sciences, Bikaner.

11. Postgraduate Research Scholarship from Rajasthan University of Veterinary and Animal Science, Bikaner. 2010-12.

12. Scholarship from Rajasthan Government Police Department, 2005-09.

RESEARCH PROJECT

S. No.	Title of Project	Funding Agency	Duration	Budget	Role
1.	Epidemiological Mapping of Antimicrobial Resistance and its Underlying Genetic Mechanisms for Improvement in Health of Livestock & Poultry Sector	Rashtriya Krishi Vikas Yojana (RKVY)	Five Year (2016-17 Onwards)	2.50 Crore	Principal Investigator
2.	Centre of Diagnosis, Surveillance & Response of Zoonotic Diseases	Rashtriya Krishi Vikas Yojana (RKVY)	Five Year (2016-17)	8.83 Crore	Co-Principal Investigator

			Onwards)		
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RESEARCH SKILLS

Ph.D. Thesis title

- **Detection of genetic variability among *Staphylococcus aureus* isolates from various clinical and non-clinical animal and human settings in relation to some virulence factors**
 - Isolation and identification of *Staphylococcus aureus* from various clinical and non-clinical settings of human and animals and their genotypic confirmation.
 - Phenotypic characterization of obtained isolates for coagulase production, slime production, haemolytic properties and toxin assays.
 - Antibiogram study of *S. aureus* isolates including screening for Methicillin-Resistant *S. aureus* (MRSA, *mecA* gene), Vancomycin-Resistant *S. aureus* (VRSA), beta lactamase (*blaZ* gene) and Extended Spectrum Beta-Lactamase (ESBL) producers.
 - Molecular typing of *S. aureus* with Repetitive sequence-based PCR (*rep* PCR)
 - Genotypic characterization of *S. aureus* in relation to following virulence associated genes:
 - a. Adherence (*clfA*, *clfB*, *icaA*, *icaD*, *agr* and *trap* gene)
 - b. Antiphagocytosis (*cap5K* and *cap8K* gene)
 - c. Exoenzymes (*coa* and *aur* gene)
 - d. Immune evasion (*spa-X*, *spa-IgG*, *chp* and *scn* gene)
 - e. Staphylokinase (*sak* gene)
 - f. Toxins (*hla*, *hly*, *hld* and *tst* gene)
 - **Sequence and bioinformatics analysis of *mecA*, *aur*, *spa-X*, *sak* and *tst* gene**

M.V.Sc. Thesis title

- **Phenotypic and Genotypic characterization of *Klebsiella pneumoniae* Isolated from Pneumonic Camels (*Camelus dromedarius*)**
 - Isolation and identification of *Klebsiella pneumoniae* on the basis of biochemical and cultural characteristics from pneumonic and healthy Camels.
 - Genotypic confirmation of *K. pneumoniae* isolates (16S-23S rDNA internal transcribed spacer (ITS) region based).
 - Studied the presence of virulence related serotypes (K1, K2 and K5) and genes (*mgaA* and *rmpA*) in isolates.
 - Compared the antibiotic resistance pattern of the *K. pneumoniae* isolates.

Sequences of various genes submitted in GenBank NCBI Data Base

S. No.	Host	Isolate ID	Source of sample	NCBI GenBank Accession No.
<i>mecA</i> gene of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)				
1.	Buffalo	B1	Mastitic Milk	KX857638
2.	Cattle	C12	Mastitic Milk	KX870022
3.	Human	H14	Wound Pus	KX870023
4.	Horse	Hrs3	Wound Pus	KX870024
5.	Camel	J18	Wound Pus	KX870025
6.	Meat Piece	Mt2	Raw Meat Piece	KX870026
<i>tst</i> gene of <i>Staphylococcus aureus</i> causing Toxic shock syndrome (TSS)				
1.	Goat	AG10	Mastitic Milk	MK533617
2.	Buffalo	B29	Mastitic Milk	MK533618
3.	Cattle	C2	Mastitic Milk	MK533619
4.	Human	H21	Wound Pus	MK533620
5.	Camel	J15	Wound Pus	MK533621

6.	Sheep	SV2	Vaginal Discharge	MK533622
sak gene of S. aureus causes secretion of staphylokinase exoenzyme or plasminogen activator Factor				
1.	Buffalo	B34	Mastitic Milk	MK612084
2.	Cattle	C29	Mastitic Milk	MK612085
3.	Dog	D4	Skin Wound Pus	MK612086
4.	Goat	G24	Mastitic Milk	MK612087
5.	Human	H2	Urinary Tract Infection	MK612088
6.	Human	H21	Wound Pus	MK612089
7.	Human	H37	Urinary Tract Infection	MK612090
8.	Meat Piece	Mt28	Raw Meat Piece	MK612091
9.	Sheep	SN4	Pneumonic Nasal Discharge	MK612092
blaZ gene Sequences of Staphylococcus aureus				
1.	Cattle	C1	Mastitic Milk	MT515451
2.	Cattle	C11	Pneumonic Nasal Swab	MT515452
3.	Cattle	C29	Pneumonic Nasal Swab	MT515453
4.	Goat	G1	Vaginal Pus	MT515454
5.	Goat	G4	Mastitic Milk	MT515455
6.	Goat	G8	Vaginal Pus	MT536161
7.	Sheep	S8	Wound Pus	MT536162

RESEARCH PUBLICATIONS

• **Book Published**

1. **Dr. Sandeep Kumar Sharma**, Dr. Bincy Joseph and Dr. Alka Galav (2023): A Handbook of Common Laboratory techniques” **ISBN Number: 978-93-94016-12-5**
2. **Sandeep Kumar Sharma**, Bincy Joseph and Manish Agrawal (2022). “Compendium training on Techniques of Animal Disease Diagnosis and Control”. Published Under ASCAD program of Department of Animal Husbandry and Dairying (India) and state Animal Husbandry Department (Rajasthan). **ISBN Number: 978-93-83662-83-8.**
3. **Sandeep Kumar Sharma**, Vikas Galav, Manish Agrawal and Farah Naz Faridi (2019) Antimicrobial Resistance: *Concepts, Methodologies and Strategies to Overcome*. **ISBN No. 978-93-87590-95-3.** Narendra Publishing House, New Delhi. Pp.1-178.
4. **Sandeep Kumar Sharma**, B.N. Shringi and Nirmal Kumar Jeph (2017) *Klebsiella pneumoniae: Role in Camel Health & Antimicrobial Resistance*. **ISBN No. 978-3-659-59005-4.** LAP Lambert Academic Publishing Pp.1-105.
5. Nirmal Kumar Jeph, Anju Chahar and **Sandeep Kumar Sharma**, (2017) Therapeutic management of clinical mastitis: In Goats (*Capra hircus*). **ISBN No. 978-3-659-60641-0.** LAP Lambert Academic Publishing Pp.1-76.

• **Original Research Articles**

1. Meena, S., Dadhich, R., Sharma, S., Meena, D.S., Saini, S., **Sharma, S.K.** and Rathore, A. (2023). Gross morphological, cytopathological and histopathological studies on intestinal coccidiosis in goat. Haryana Vet. 62(1): 38-41. NAAS Rating- 4.5
2. Meena DS, Sharma L, Bishnoi J, Soni M, Jeph NK, Galav V and **Sharma SK** (2023). Serological and molecular prevalence of Brucella spp. among livestock species in Rajasthan, India. Frontiers in Veterinary Science. 10:1157211. doi: 10.3389/fvets.2023.1157211, NAAS

Rating- 9.47

3. Gurjar, V.S., Singh, D.R., Jeph, N.K., **Sharma, S.K.**, Sarswat, C.S., Choudhary, A., & Devendra. (2023). Occurrence of Canine Babesiosis in Dogs of Jaipur. The Indian Journal of Veterinary Sciences and Biotechnology. 19(3), 90-92. NAAS Rating- 5.58 (Short Communication)
4. Jeph, N.K., Meena, D.S., Singh, R., **Sharma, S.K.**, Parashar, M.C., A Gupta, A., Bargujar, J. and Sharma, S. (2022). Sero-Prevalence and Risk Assessment of Bovine Brucellosis in Jaipur, Rajasthan. Ruminant Science 11 (2): Pp. 305-308. NAAS Rating-.5.23
5. Galav., V., Galav., A. and **Sharma, S.K.** (2022). Isolation and Antibiotic Sensitivity Profiling of *Escherichia coli* and *Klebsiella* spp. Isolates from Pneumonic Lungs of Sheep and Goats. Ruminant Science 11 (1): Pp. 243-250. NAAS Rating- 5.23.
6. Choudhary, S., Joseph, B., **Sharma, S.K.**, Shekhawat, S.S. and Mohammed, N. (2022). Detection of Extended-Spectrum Beta-Lactamase and Carbapenemase Resistant *Klebsiella pneumoniae* In Bovine Milk. Ruminant Science 11 (1): Pp. 93-100. NAAS Rating- 5.23.
7. Meena, S. Dadhich, R., Sharma, S., Meena, D.S., **Sharma, S.K.**, Anita Rathore, A., Marodia, S. and Singh, R. (2022). Cytopathological and histopathological studies on Sarcocystis in oesophagus of goat. The Pharma Innovation Journal. SP-11(7): 2236-2240. NAAS Rating- 5.23.
8. Rathore, P.S., **Sharma, S.K.**, Arora, N. and Nathiya P. (2020) *Klebsiella oxytoca* isolated from nostrils of dromedary camels: resistance pattern and *pehX* gene based genotyping. *Journal of Camel Practice and Research*. 27(2): 173-176. NAAS Rating- 6.04.
9. **Sharma, S.K.**, Yadav, R, Mehta, S.C. and Kataria, A.K. (2020). Detection and analysis of antibiotic resistance variability among *Staphylococcus aureus* isolates from animal and human sources Veterinarski arhiv., 90 (5), 493-508. NAAS **Rating: 6.40**
10. Kumar, B., Agrawal, M., Galav, V., **Sharma, S.K.**, Tiwari, R.K., Marodia, S. and Dadhich, R. (2020). Occurrence and pathology of pyelonephritis in buffalo kidneys. Journal of Entomology and Zoology Studies. 8(3): 1800-1802. NAAS Rating- 5.53.
11. Marodia, S., Meena, S., **Sharma, S.K.**, Galav, V., Agrawal, M., Tiwari, R.K. and Kumar, B. (2020) Determination of prevalence and zoonotic potential of *Escherichia coli* isolates obtained from pathological lesions of sheep. The Pharma Innovation Journal. 9(2): 69-71. NAAS Rating- 5.03
12. Mali, M.M., Meena, D.S., **Sharma, S.K.**, Saini S., Choudhary S., Sharma S. and Singh A.P. (2019). Phenotypic characterization of *Salmonella* serovars isolated in farm and backyard chicken samples. Journal of Entomology and Zoology Studies. 7(6): 624-626. NAAS Rating- 5.53
13. Mali, M.M., Meena, D.S., **Sharma, S.K.**, Saini S., Choudhary S., Sharma S. and Singh A.P. (2019). Isolation and identification of *Salmonella* in farm and backyard chicken samples in and around Jaipur. Veterinary Practitioner. 20(2). 150-152. NAAS Rating- 5.0.
14. Tiwari, R.K., Galav,V., **Sharma, S.K.**, Galav, A., Kumar, B., Khan, S., Marodia, S. and Agrawal, M. (2019). Aetio-pathology of bronchopneumonia in sheep (*Ovis aries*). Ruminant Science. 8 (2). 217-220. NAAS Rating- 5.0.

15. Kumar, B., Agrawal, M., Galav, V., **Sharma, S.K.**, Dadhich, R. and Arora, A.S. (2019) Occurrence and Pathological Observation of Hydronephrosis in Buffalo Kidney. *Veterinary Practitioner*. 20(2). 186-187. NAAS Rating- 5.0.
16. **Sharma, S.K.**, Meena D.S. Nathawat, P., Yadav R, Mehta, S.C. and Kataria A.K. (2018). Detection of coagulase production variability among *Staphylococcus aureus* isolates of human and animal origins. *Veterinary Practitioner*. 19(1). 1-3. NAAS Rating- 5.0.
17. Kumar B, Agrawal, M., Galav, V., **Sharma, S.K.**, and Dadhich, R. (2018). Occurrence and Pathology of Retention Cysts in Buffalo Kidneys. *Ruminant Science*. 7 (2). 255-256. NAAS Rating- 5.0.
18. P.K. Boyal, D. Meena, **S.K. Sharma**, D.S. Meena and S.S. Soni (2018). Determination of antibiogram pattern in *Escherichia coli* strains isolated from cattle faeces. *Veterinary Practitioner* 19(2):176-177. NAAS Rating- 5.0.
19. Nathiya, P., Gaurav, K., Diwakar, **Sharma, S.K.** and Kataria, A. K. (2018). Detection of Phenotypic Variations and Biotypes of *Staphylococcus aureus* Obtained from Cattle Mastitic Milk. *International Journal of Current Microbiology and Applied Sciences*. 7(9): 1-7. NAAS Rating- 5.38.
20. **Sharma, S.K.**, Galav, V., Agrawal, M., Faridi, FN. and Kumar B. (2017). Multi-Drug Resistance Pattern of Bacterial Flora Obtained from Necropsy Samples of Poultry. *Journal of Animal Health and Production*. 5(4): 165-171. NAAS Rating- 5.0.
21. **Sharma, S.K.**, Meena D.S. Yadav R. Meena, D. and Nathawat, P. (2017). Multidrug Resistance Pattern of *Escherichia coli* Isolates Obtained from Healthy and Diseased Camel (*Camelus dromedarius*). *Journal of Camel Practice and Research*. 24(3): Pp. 275-280. DOI: 10.5958/2277-8934.2017.00047.9. NAAS Rating- 6.04.
22. **Sharma, S.K.**, Patel, K., Maherchandani, S. and Shringi, B.N. (2017). ESBL detection and comparison of antibiotics resistance pattern of *Klebsiella pneumoniae* isolated from healthy and acute respiratory tract infected camels. *Advances in Animal and Veterinary Sciences*. 5 (2): 83-91. NAAS Rating- 4.04
23. Meena, D., **Sharma, S.K.**, Boyal, P.K. and Kataria, A.K. (2017). Detection of genetic variations among *Staphylococcus aureus* associated with camel skin wounds on the basis of *spa* and *coa* gene. *Journal of Camel Practice and Research*. 24(2): 203-208. NAAS Rating- 6.04.
24. Meena, D., **Sharma, S.K.**, Diwakar, Sunita, Meena, V.K. and Kataria A.K. (2017). Resistotyping of camel skin wound associated *Staphylococcus aureus* on the basis of multidrug resistance pattern. *Journal of Camel Practice and Research*. 24 (1): 67-71. NAAS Rating- 6.04.
25. **Sharma, S.K.**; Mehta S.C. and Kataria A.K. (2016). Capsular typing of *Staphylococcus aureus* isolates from camel and other domestic animals using duplex polymerase chain reaction. *Journal of Camel Practice and Research*. 23(1): 81-84. NAAS Rating- 6.4.
26. Bhati, T.; Nathawat, P.; **Sharma, S.K.**; Yadav, R.; Bishnoi, J.; Kataria, A.K. (2016). Polymorphism in *spa* gene of *Staphylococcus aureus* from bovine subclinical mastitis. *Veterinary World*. 9(4): 421-424. NAAS Rating- 5.10.
27. **Sharma, S.K.**; Mudgal, N.K.; Sharma, P. and Shringi, B.N. (2015). Comparison of Phenotypic Characteristics and Virulence Traits of *Klebsiella pneumoniae* Obtained from Pneumonic and

Healthy Camels (*Camelus dromedarius*). *Advances in Animal and Veterinary Sciences*. 3 (2): 116-122.

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- **Popular article**

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13. Faridi, F.N., Shukla, P., Galav, V. and **Sharma, S.K.** (2019). **Mechanism of Bacterial Resistance towards Antibiotics:** In Sharma, S.K., Galav, V., Agrawal, M. and Faridi, F.N., (1st Edn.) Antimicrobial Resistance: Concepts, Methodologies and Strategies to Overcome. ISBN No. 978-93-87590-95-3. Narendra Publishing House, New Delhi. (INDIA). Pp. 76-86.
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35. Folder Titled as **Profile folder of the RKVY project EMAMR**: It describes about importance, objectives, plan of the work and overall mandates and contribution of the project for the AMR. Published under RKVY project EMAMR.
36. Folder Titled as "**An Introduction of Antimicrobial Resistance**": This folder describes basic concept of antimicrobials, principle types of resistance, severity of problem and strategies to overcome the problem of AMR. Published under RKVY project EMAMR.
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- **Oral Presentations**

1. **Sharma, S.K.**, Galav, A., Mehta, S.C., and Kataria, A.K. (2022). Detection of Minimum inhibitory concentrations (MICs) of various antibiotics against *Staphylococcus aureus* isolates from animal and human sources. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 55. (T3-O10).
2. Kumar, A., Galav, A., Agrawal, N. and **Sharma, S.K.** (2022) Molecular typing of *Escherichia coli* isolates obtained from diarrhoeic dogs with special reference of antibiotic resistance. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 125. (T5-O10)
3. **Sharma, S.K.** Pandey, A.K. and Kataria, A.K. (2019). Biotechnological Interventions to Understand the Intricacies of MRSA, Origin from Animal and Human clinical Settings. At National Symposium on "Sustainable Improvement in Animal Health and Production- Bridging Science and Policy for Economic Upliftment of Farmers" and "1st Annual Convention of Veterinary Internal and Preventive Medicine Society" 8-9 November, 2019 at, DUVASU, Mathura, Uttar Pradesh.
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5. **Sharma S.K.**, Yadav , R. Nathawat P. and Gahlot , S.C. (2016). Differentiation of *Escherichia coli* isolates of diseased camel (*Camelus dromedarius*) on the basis of biotyping and serotyping. OP- 01, Page 141. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
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9. **Sharma, S.K.;** Yadav, R.; Nathawat, P.; Yadav J and Anil Kumar Kataria, A.K. Biotyping of *Escherichia coli* isolated from nasal swab samples of diseased camels (*Camelus dromedarius*). National Conference on “New Horizon of Veterinary and Medical Forensic Medicine” organized by Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, CVAS, RAJUVAS, Bikaner. OP-54, page-258, 5th- 6th March 2016.
10. **Sharma, S.K.;** Yadav, R.; Nathawat, P.; Yadav J and Anil Kumar Kataria, A.K. Serotyping of *Escherichia coli* obtained from nasal swab samples of diseased camels (*Camelus dromedarius*). National Conference on “New Horizon of Veterinary and Medical Forensic Medicine” organized by Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, CVAS, RAJUVAS, Bikaner. OP-55, page-258, 5th- 6th March 2016.
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12. Yadav, R.; **Sharma, S.K.;** Yadav, J. and Kataria A.K. Detection of Vancomycin resistant *S. aureus* (VRSA) and Methicillin resistant *S. aureus* (MRSA) isolates from mastitic milk of cattle and buffalo. National Conference on “New Horizon of Veterinary and Medical Forensic Medicine” organized by Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, CVAS, RAJUVAS, Bikaner. OP-51, page-256, 5th- 6th March 2016.
13. Yadav, R.; **Sharma, S.K.;** Yadav, J. and Kataria A.K.. Resistotyping of *Staphylococcus aureus* isolated from mastitic milk cattle and buffalo. National Conference on “New Horizon of Veterinary and Medical Forensic Medicine” organized by Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, CVAS, RAJUVAS, Bikaner. OP-52, page-257, 5th- 6th March 2016.
14. Yadav, R.; **Sharma, S.K.;** Yadav, J. and Kataria A.K. Detection of variability among *Staphylococcus aureus* isolates on the basis of *coa* and *spa*. National Conference on “New Horizon of Veterinary and Medical Forensic Medicine” organized by Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, CVAS, RAJUVAS, Bikaner. OP-53, page-257, 5th- 6th March 2016.

15. Resistotyping of *E. coli* isolated from rectal swab samples of enteritic dogs. at International Congress of Canine Practice on Modern Concepts in Canine Health and Diseases of Human Concern and IX Convention of Indian Society for Advancement of Canine Practices 2012, Bikaner. (Oral- AP-133: V- Page No. 172)
16. Antimicrobial susceptibility patterns of microbes isolated from otitis externa of dogs. at International Congress of Canine Practice on Modern Concepts in Canine Health and Diseases of Human Concern and IX Convention of Indian Society for Advancement of Canine Practices 2012, Bikaner. (Oral- AP-134: V- Page No. 171)
17. Mortalities due to *Pasteurella haemolytica* in sheep and goats at an organized farm. at 6th convention of society for immunology and immunopathology and international symposium on latest trends in immunodiagnosis, immunopathology and immunomodulation, 2013. Bikaner (Oral- MI-29: Page No. 152)
18. Overview of national disaster management framework. at National seminar on “ formulation of strategies for disaster management technology for animals” 2013, Bikaner (Oral- AP-5: Page No. 5)

- **Poster Presentations**

1. **Sharma, S.K.**, Mehta, S.C., and Kataria, A.K. (2022). Detection of immune invasion and staphylokinase protein governing genes among human and animal origin *Staphylococcus aureus* isolates. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 38. (T2-P18)
2. **Sharma, S.K.**, Mehta, S.C. and Kataria, A.K. (2022). Molecular typing of *Staphylococcus aureus* isolates from various clinical and non-clinical animal and human settings in relation to *coa* and *aur* gene. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 144. (T5-P22)
3. Rathore, P.S., **Sharma, S.K.**, Galav, V., Joseph, B. and Arora, N. (2022) Identification and Phenotypic characterization of *Pseudomonas aeruginosa* from Poultry. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 144. (T5-P21)
4. Rathore, P.S., **Sharma, S.K.**, Jeph, N.K. and Arora, N. (2022) Phenotypic and Molecular study of Antibiotic Resistance pattern in *Pseudomonas aeruginosa* from Poultry. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 70. (T3-P16)
5. Choudhary, S., Joseph, B., **Sharma, S.K.**, Shekhawat, S.S. and Mohammed, N. (2022). Phenotypic and genotypic characterization of extended spectrum beta lactamase and carbapenemase resistance in *Klebsiella pneumoniae* isolated from bovine milk samples. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 75. (T3-P23)
6. Kumar, A., Galav, V., Joseph, B. and **Sharma, S.K.** (2022). Detection of antibiotic resistance pattern among *Escherichia coli* isolates belong to diarrhoeic dogs. at XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.Pp. 74. (T3-P22)

7. Rathore, G.S., **Sharma, A.K.** and Kataria, A.K. (2019). Multidrug drug resistance pattern of *Staphylococcus spp.* isolates obtained clinical samples of animals. Pp 173. International Conference on Environmental and Climatic Consequences : Challenges and Mitigation Strategies (ICECC-2019-2020), Sangam University, 21-22 Dec. at Bhilwara
8. **Sharma, S.K.**, Rathore, G.S., Rathore, P.S. and Kataria A.K. (2019). Epidemiology of serotype variation among animal origin *Escherichia coli*. Pp. 174. International Conference on Environmental and Climatic Consequences : Challenges and Mitigation Strategies (ICECC-2019-2020), Sangam University, 21-22 Dec. at Bhilwara
9. Nathiya, P. **Sharma, S.K.** and Kataria, A.K. (2019). Use of molecular biological techniques in the detection of Meat food adulteration and Food Safety Assurance. Pp. 174. International Conference on Environmental and Climatic Consequences : Challenges and Mitigation Strategies (ICECC-2019-2020), Sangam University, 21-22 Dec. at Bhilwara
10. **Sharma, S.K.**, Galav, V., Agrawal, M. and Kataria, A.K. (2019). Evolving Bacterial Pathogens: Multidrug Resistance in *Klebsiella spp.* Pp. 175. International Conference on Environmental and Climatic Consequences : Challenges and Mitigation Strategies (ICECC-2019-2020), Sangam University, 21-22 Dec. at Bhilwara
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12. Rathore, P.S., Kumar B., **Sharma, S.K.** and Kataria A.K. (2019). Antimicrobial peptides: A novel strategy against MDR *Pseudomonas aeruginosa*. Pp. 176. International Conference on Environmental and Climatic Consequences : Challenges and Mitigation Strategies (ICECC-2019-2020), Sangam University, 21-22 Dec. at Bhilwara
13. **Sharma S.K.**, Yadav R., Galav V. and Gahlot, S.C. (2016). Multidrug resistance pattern of *Escherichia coli* isolates obtained from healthy and diseased camel (*Camelus dromedarius*). PP- 01, Page 173. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
14. **Sharma S.K.**, Kruthikaben D., Maherchandani S. and Shringi B.N. (2016). Detection of ESBL and multidrug resistance pattern of *Klebsiella pneumoniae* isolated from healthy and acute respiratory tract infected camels (*Camelus dromedarius*). PP- 98, Page 190. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
15. **Sharma S.K.**, Meena D., Mehta S.C. and Kataria A.K. (2016). Analysis of antibiotic resistance patterns of *Staphylococcus aureus* isolates from animal and human settings. PP- 99, Page 191. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
16. **Sharma S.K.**, Meena D., Mehta S.C. and Kataria A.K. (2016). Determination of multiple antibiotic resistance index for *Staphylococcus aureus* isolates obtained from animal and human settings. PP- 100, Page 192. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
17. **Sharma S.K.**, Nathawat, P., Mehta S.C. and Kataria, A.K. (2016). Determination of Minimum inhibitory concentration for some antibiotic against *Staphylococcus aureus* isolates obtained from animal and human settings. PP- 102, Page 193. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
18. Ramesh Kumar, Dharendra Meena and **S.K. Sharma.** (2016). Antibiotic susceptibility of microorganism present in mastitis milk samples collected from Jaipur city during the year

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19. D. Meena, R. Kumar and **S. K. Sharma** (2016). Antimicrobial resistance pattern of *Escherichia coli* isolates obtained from cattle samples. PP- 208, Page 217. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur.
 20. **Sharma, S.K.**, Nathawat P, Yadav R, Jyoti, Kataria A.K and Shringi, B. N. (2015) Biotyping of *Klebsiella pneumoniae* isolates obtained from camels (*Camelus dromedarius*) on the basis of sugar fermentation reactions. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-1, page-91, October 7-8, 2015.
 21. **Sharma, S.K.;** Nathawat P, Yadav R, Jyoti, Kataria A.K and Shringi, B. N. (2015) Antibiotic resistance pattern of indole producing *Klebsiella pneumoniae* obtained from diseased camels (*Camelus dromedarius*). National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-3, page-92, October 7-8, 2015.
 22. **Sharma, S.K.;** Yadav, R, Nathawat, P, Sharma, H, Kataria A.K and Shringi, B. N. (2015) Variable biochemical reactions of *Klebsiella pneumoniae* isolated from diseased and healthy camels (*Camelus dromedarius*). National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-5, page-93, October 7-8, 2015.
 23. Yadav, R.; **Sharma, S.K.;** Nathawat, P.; Gahlot, K. and Kataria, A.K. (2015) Antibiotic resistance profile of *Staphylococci* isolates from canine wound pus samples. National Seminar on “Translational Research in Biotechnology or Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-101, page-139, October 7-8, 2015.
 24. Yadav, R.; **Sharma, S.K.;** Nathawat, P.; Kumar, P. and Kataria, A.K. (2015) Biotyping of *Staphylococci* isolates of mastitic milk origin from cattle and buffalo on the basis of virulence properties. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-102, page-140, October 7-8, 2015.
 25. Nathawat, P.; Bhati, T.; **Sharma, S.K.;** Yadav, R and Kataria, A.K. (2015) Characterization of *Staphylococcus aureus* of caprine mastitis milk origin for *coa* gene. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-94, page-136, October 7-8, 2015.
 26. Nathawat, P.; Bhati, T.; **Sharma, S.K.;** Yadav, R and Kataria, A.K. (2015). Detection of polymorphism in protein A genes in *Staphylococcus aureus* isolates of clinical caprine mastitis origin. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” and 3rd Annual Meeting of Society of Veterinary Science and Biotechnology. PP-95, page-136, October 7-8, 2015.
 27. Yadav, R.; **Sharma, S.K.** and Kataria, A.K. (2014) Tube coagulase activity of *Staphylococcus aureus* isolates from mastitic milk of cattle and buffalo on plasma of different species of animals and human. XXVIIIth Annual Convention and International Conference on “Challenges and Opportunities in Animal Health at the Face of Globalization and Climate Change” 30th Oct–1st Nov, 2014, S4:P19, Page-42.
 28. Yadav, R.; **Sharma, S.K.;** Kumar, P.; Purva, M.; Deora, A.; Yadav, D.; Suthar, M.K. and Maherchandani, S. (2015) Bacteriophages in Sewage Water Pollution. National Conference on “Prospectives and Challenges towards Environmental Sustainability” at SKRAU, Bikaner. 2.4, p-15, December 11-13, 2015.

29. Yadav, R.; **Sharma, S.K.**; Nathawat, P.; Yadav, J.; Kumar, P.; Gahlot, K and Kataria, A.K. (2015) Role of *Staphylococcus aureus* in food chain through mastitic milk. National Conference on “Prospectives and Challenges towards Environmental Sustainability”. at SKRAU, Bikaner. 3.6, p-33, December 11-13, 2015.
 30. Yadav, J.; Yadav, R.; Sharma, S.K. Kumar P. and Purva, P. (2015). Advanced environmental sustainability and green development. National Conference on “Prospectives and Challenges towards Environmental Sustainability”. at SKRAU, Bikaner.1.5, p-04, December 11-13, 2015.
 31. Yadav, R.; **Sharma, S.K.**; Yadav, J.; Nathawat, P.; Kataria, A.K. (2015). Detection of coagulase gene polymorphism in *Staphylococcus aureus* isolated from cattle and buffalo mastitic milk. XXII Annual Convention (VIBCON-2015) & National Symposium on “Immunomics and Proteogenomics in Livestock Health & Productivity” at ICAR-National Research Centre on Equines, Hisar, Haryana. PG-09, page-135. 17th-19th December, 2015.
 32. Yadav, R.; **Sharma, S.K.**; Nathawat, P. and Yadav J. (2015) Detection of antibiotic resistance patterns of *Escherichia coli* isolates among healthy and diseased camel. XXII Annual Convention (VIBCON-2015) & National Symposium on “Immunomics and Proteogenomics in Livestock Health & Productivity” at ICAR-National Research Centre on Equines, Hisar, Haryana, PP-30, page-197. 17th-19th December, 2015.
 33. Nathawat, P.; **Sharma, S.K.** and Yadav, R. (2015) Antibiogram studies of *Klebsiella oxytoca* from nasal discharge of respiratory tract infection in Dromedary camel. XXII Annual Convention (VIBCON-2015) & National Symposium on “Immunomics and Proteogenomics in Livestock Health & Productivity” at ICAR-National Research Centre on Equines, Hisar, Haryana, PP-31, page-198. 17th-19th December, 2015.
 34. Importance of dental hygiene for dog’s health. at International Congress of Canine Practice on Modern Concepts in Canine Health and Diseases of Human Concern and IX Convention of Indian Society for Advancement of Canine Practices 2012, Bikaner. (Poster-21: IX-Page No. 233)
 35. Antibacterial Activity of *Ziziphus nummularia* and *Prosopis cineraria* leaves extracts against *Staphylococcus aureus* and *Escherichia coli*. at International symposium on Role of Biotechnology in Conserving Biodiversity and Livestock Development for Food Security and Poverty Alleviation & XVII Annual Convention of Indian Society for Veterinary Immunology and Biotechnology, (ISVIB) at RAJUVAS, Bikaner 2010. (VI-P-21-Page No. 112)
 36. Antibiogram Study of Clinical Isolates from Clinical Complex of Veterinary College in Bikaner City. at French – Indian Inter Academic Symposium on Infectious Diseases at National Institute of Immunology, New Delhi, 2010. (Poster-1-Page No. 27)
 37. Studies on Oriental Sore in Human Beings in Bikaner City. at International symposium on Food Safety, Quality Assurance & Global Trade: Concerns and Strategies & VII Annual Conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) 2008, Pantnagar. (Poster-383-Page No. 166)
 38. Antibiogram Study of Caprine Mastitic milk. at International symposium on Food Safety, Quality Assurance & Global Trade: Concerns and Strategies & VII Annual Conference Of Indian Association of Veterinary Public Health Specialists (IAVPHS) 2008, Pantnagar. (Poster-325 -Page No. 325)
 39. Analysis of surface microbial contamination of computers and laptops. at IX Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Veterinary Public Health – New Horizon for Integrating the Animal Production, Food Safety and Human Health 2011, Mumbai. (Poster-17 - Page No. 221)
 40. Microbial analysis of Environmental Contamination of ATM chambers in Bikaner city. at VIII Conference and National Symposium, Indian Association of Veterinary Public Health Specialists, 2009.
 41. Microbial profile of green salad used in restaurants of Bikaner city. at VIII Conference and National Symposium, Indian Association of Veterinary Public Health Specialists, 2009.
- **Trainings and Workshops participation**
 1. One day Workshop-cum-orientation training program on “**Strengthening of intersectoral coordination for prevention and control of zoonotic diseases**” for Emergency preparedness against zoonotic diseases on September 18, 2019 at NRCE, Hisar.

2. **21-Days Orientation** Training Program on “**Teaching Methodology**”, at RAJUVAS, Bikaner (Raj.), India 28th Mar – 17th April 2019.
3. ICAR sponsored 21-day CAFT Course on “**Recent advances in cell based technologies for animal disease diagnostics and therapeutics**” at LUVAS Hisar, Haryana, from 11st to 31st October 2018.
4. **International Workshop on Antimicrobial Resistance and Strategies for Its Mitigation** NAM S&T Centre and GADVASU Ludhiana (Punjab), India, 10-13 July 2018.
5. ICAR sponsored 21-day Winter School on “**Antimicrobial Resistance in fish and aquatic environment and its impact on human health**” at CIFT, Kochi from 01st to 21st December 2017.
6. ICAR 10 day’s Short course entitled as “**Frontier Approaches in Diagnosis and Control of Animal Viral Diseases with Quality Assurance and Quality Control of Veterinary Biologicals**” at IVRI, Izatnagar from November 10-19, 2014.
7. Three-day national workshop cum training program on “**Computational methods in molecular biology**” at Birla Institute of Scientific Research Jaipur, 2011. Including Genomic & Genomic Annotation, Sequence Alignment & Dynamic Programming, Gene Identification Methods, BLAST & FASTA, Next Generation Sequencing, Protein Structure Prediction, Molecular Docking, Phylogenetics, Computer Aided Drug Designing.
8. Technical workshop on “**Indirect monoclonal antibody-based ELISA for sero surveillance of hemorrhagic septicemia**” at International symposium on “*role of biotechnology in conserving biodiversity and livestock development for food security and poverty alleviation*” held on 30th December 2010, Bikaner. Including principal and protocols of Indirect monoclonal antibody-based ELISA.

- **Participate in Conferences and Symposiums**

1. XXXIV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases & National Conference, Current Trends in Immunodiagnosics & Vaccinology for Health of Livestock & Poultry. at College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar. 27-28 May, 2022.
2. National Conference “Paradigm Shift in Livestock Management to obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship” Indian Society of Animal Production & Management (ISAPM) Organised at PGIVER of RAJUVAS, Jaipur, from 5-6 February, 2020.
3. 1st Annual Convention of Veterinary Internal and Preventive Medicine Society and National Symposium on “Sustainable Improvement in Animal Health and Production- Bridging Science and Policy for Economic Upliftment of Farmers” 8-9 November, 2019 at, DUVASU, Mathura, Uttar Pradesh.
4. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes, 21-22 November, 2016 at Udaipur
5. 3rd Annual Meeting of Society of Veterinary Science and Biotechnology & National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production”. CVAS, RAJUVAS Bikaner October 7-8, 2015.
6. National Conference on “Prospectives and Challenges towards Environmental Sustainability” at SKRAU, Bikaner, 11th-13th December, 2015.
7. XXII Annual Convention (VIBCON-2015) & National Symposium on “Immunomics and Proteogenomics in Livestock Health & Productivity” at ICAR-National Research Centre on

Equines, Hisar, Haryana. 17th-19th December, 2015

8. 6th convention of society for immunology and immunopathology and international symposium on latest trends in immunodiagnosis, immunopathology and immunomodulation, 2013. Bikaner.
9. National seminar on “formulation of strategies for disaster management technology for animals” 2013, Bikaner
10. 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 Practices” 2012, Bikaner.
11. National Conference on “Multidimensional Program on Social Perspective of Atomic Energy” 2011, Bikaner. Bhabha Atomic Research Centre
12. National symposium on “Veterinary Sciences & Education on Move: Critical Gaps & Needs” 2011, Jaipur.
13. International symposium on “Role of Biotechnology in Conserving Biodiversity and Livestock Development for Food Security and Poverty Alleviation” 2010, Bikaner.
14. “French–Indian Inter Academic Symposium on Infectious Diseases” 2010, New Delhi.

Scientific Membership

1. Life member of *Indian Association of veterinary microbiologists, Immunologists and specialists in infectious diseases (IAVMI)*.
2. Life Member of “*Veterinary Practitioner*”—A National Journal of Veterinary Science.
3. Life Member of “*Indian Society of Veterinary Immunology and Biotechnology.*”
4. Regular member (Reg. No. SAS/RMSASS/235) of the scholars academic & Scientific Society, Society Reg. No. NG/254//N/50 of 2014-15. Hojai Assam India

Member of Editorial Board

1. Editorial Board for **Journal of Animal Health and Production (JAHP)** (ISSN 2308-2801), NAAS Rating: 4.62.
2. Editorial Board for **The Journal of World's Poultry Research** (ISSN: 2322-455X), NAAS Rating: 4.79.
3. Editorial Board for **GSTF Journal of Veterinary Science (JVet)** (Print ISSN: 2345-7880, E-periodical: ISSN 2345-7910).
4. Associate Editor for **Scholars Journal of Agriculture and Veterinary Sciences (SJAVS)** (Print ISSN: 2348-8883, Online: ISSN 2348-1854).
5. Editor of state level College & school magazine “**SRIJAN**”, 2005- 2009.
6. Editor of college annual magazine of college of Veterinary & Animal science, Bikaner “**VETSCOPE**”, 2005-06 & 2007-08.

Other Achievements

1. Certificate of participation/ winner in Intercollege Debate, Speech & Poetry competition, 2006-07 & 2008-09.
2. Certificate of participation in organize workshop on occasion of RAJASTHAN PUSTAKK PARV, 2010 by RAJASTHAN HINDI GRANTH AKADAMI
3. Participation in workshop on RAJASTHAN PUSTAKK PARV by RAJASTHAN HINDI GRANTH AKADAMI,
4. Certificate of participation in inter- collegiate debating contest organize by NATIONAL COUNCIL FOR COOPERATIVE TRAINING, 2008.
5. Consolation prize in inter university speech competition held at M.S. College, Bikaner by Lioness club Bikaner (Lions club international)
6. Certificate of participation in “8th All India Inter Agricultural Universities Sports and Games Meet at Ludiana, 2006-07.

7. Letter of appreciation for successful organization of international symposium on “Role of Biotechnology in Conserving Biodiversity and Livestock Development for Food Security and Poverty Alleviation”, 2010.
8. First prize in elocution competition them based on “*Antimicrobial Resistance*” on occasion of world veterinary day, 28 April 2012.
9. Active volunteer services in camp of **National Service Scheme (NSS)**.

General Skills

- Crack GRE and TOEFL examination with good score in Year 2010.
- Good command over bioinformatics and statics softwares (DNA star, Mega 6&4, Gene tool Lite, Bioedit, SPSS etc.).
- Computer basics, Microsoft office savants & Internet savvy
- Good orator, Writer

PERSONAL DETAILS

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Sandeep Kumar Sharma
