

CURRICULUM VITAE

Dr. SHESH ASOPA

B.V.Sc. & A.H., M.V.Sc. (GOLD MEDAL),

Ph.D. (Veterinary Pathology)

Assistant Professor (Senior Scale),

Department of Veterinary Pathology,

CVAS, RAJUVAS, Bikaner-334001

Rajasthan, India.



Name : **Dr. SHESH ASOPA**

Father's Name : **Sh. Ghan Shyam Asopa**

Date of Birth : **29th August, 1985**

Nationality : **Indian**

Marital Status : **Married**

Postal Address : **W/o Dr. Ashish Joshi, A-69, Karni Nagar, Lalgarh,
Bikaner-334001, Rajasthan, India**

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Mobile No. : **9461160730, 8955479375**

Pay Scale : **Basic Pay Rs. 82,300/-**

Language : **English, Hindi and Regional**

Positive in Me : **Honest, dedicated and like to work any hard on challenging assignments that shall yield the twin benefits of the job satisfaction and a steady-paced professional growth**

Educational qualification:

| CLASS | SCHOOL/COLLEGE | BOARD/UNIVERSITY | YEAR | PERCENTAGE |
|-------------------------|--|-------------------------|-------------|-----------------------------------|
| Ph.D. (Vet. Pathology) | CVAS, Bikaner | RAJUVAS, Bikaner | 2019 | 8.43/10 |
| M.V.Sc (Vet. Pathology) | CVAS, Bikaner | RAJUVAS, Bikaner | 2012 | 8.49/10 (GOLD MEDALIST) |
| B.V.Sc.& A.H. | CVAS, Bikaner | SKRAU, Bikaner | 2010 | 7.60/10 |
| Sr.Secondary | Maharani Govt. Senior Sec. School, Bikaner | Rajasthan Board, Ajmer | 2002 | 78.77% |
| Secondary | R.S.V., Bikaner | Rajasthan Board, Ajmer | 2000 | 86.00% |

Employment's and Positions Held: (WORK EXPERIENCE with dates)

| S.NO. | POST | OFFICE | FROM | TO | NATURE OF DUTIES |
|--------------|------------------------------------|---|-------------|------------|-------------------------|
| 1. | Assistant Professor | Apollo College of Veterinary Medicine, Jaipur | 08/06/2012 | 09/01/2013 | Teaching and Research |
| 2. | Veterinary Officer | Department of Animal Husbandry, Rajasthan | 01/03/2013 | 18/06/2014 | Treatment and Extension |
| 3. | Assistant Professor | College of Veterinary and Animal Science, Bikaner | 19/06/2014 | 16/05/2019 | Teaching & Research |
| 4. | Assistant Professor (Senior Scale) | College of Veterinary and Animal Science, Bikaner | 17/05/2019 | Till now | Teaching & Research |

Total Experience of 11.5 Years:-

Research : **10 Years**
Teaching : **10 Years**
Extension : **1.5 Years**

MERITS

1. Awarded with University **GOLD MEDAL** for standing first in order of merit at the **M.V.Sc. (VETERINARY PATHOLOGY)** Examination of the University held in 2012 with 8.43 OGPA.
2. Awarded with “**BEST POSTER PRESENTATION AWARD**” in national conference on “Ozone layer, its depletion and impact on living beings (ODIL 2024) organized by ICAR-NRCC, Bikaner from 16 to 17 September, 2024.
3. Awarded with “**SECOND BEST ORAL PRESENTATION AWARD**” in International conference on “Current advances in Agriculture, Animal Husbandry and Allied Sciences (CAAAAS-2023) organized by ARCN, Nigeria and NADCL, J & K, India at Shri Mata Vaishno Devi University, Katra India from 10 to 11 July, 2023.
4. Awarded with “**YOUNG WOMEN SCIENTIST AWARD**” in International conference on “Current advances in Agriculture, Animal Husbandry and Allied Sciences (CAAAAS-2023) organized by ARCN, Nigeria and NADCL, J & K, India at Shri Mata Vaishno Devi University, Katra India from 10 to 11 July, 2023.
5. **APPRECIATION AWARD** by RAJUVAS on 15th August, 2023.
6. Awarded with “ADARSH VIDYA SARASWATI RASHTRIYA PURASKAR” (**NATIONAL AWARD OF EXCELLENCE 2022**) by Global Management Council, Ahmedabad.
7. Awarded with distinction of being “**THE BEST TEACHER 2022**” in the country by Glacier Journal Research Foundation, Global Management Council, Ahmedabad.
8. Participated as **TEAM MANAGER** from RAJUVAS, Bikaner in 10th All Inter Agricultural Universities Youth Festival-2016 organized by OUAT, Bhubaneswar, Odisha.
9. **TREASURER** of International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021.
10. Member of **Response Team** constituted for looking various disease outbreaks and provide technical support to Department of Animal Husbandry, Forest and Wild life etc. Also delivered lectures in various training programs.

11. Nominated as **Master Trainer** for Virtual classroom under NAHEP component 2 project “Investment in ICAR Leadership in Agriculture Higher Education”.
12. **Researcher** in RKVY Project entitled “Assessment of occurrence of various diseases in camel (*Camelus dromedarius*) prevailing in arid and semi-arid region of Rajasthan state using pathological diagnostic tools and development of field based diagnostic /sampling techniques for identification of camel diseases”
13. Participated as **Rapporteur** in one session in National conference on “Mankind facing environmental challenges and tackling disasters’ held at Jodhpur from 3-4 Dec. 2016
14. **Radio talks** on “important diseases in animals in rainy season” and “important diseases in buffaloes” at Prasar Bharati and All India Radio (AKASHVANI). Delivered lectures on various topics in National Trainings.
15. **Appreciation certificate** for organization of 17th All Indian Inter Agricultural Youth Festival from 21-25 Feb., 2017.
16. Participated as **Rapporteur** in one session in International conference on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021.
17. Received “**BEST PAPER PRESENTATION CERTIFICATE**” on “Prevalence and pathological study of inflammatory conditions in various compartments of dromedary camel (*Camelus dromedarius*)” in International Conference on “Advances in Agricultural, Veterinary and Allied Sciences for improving livelihood and environmental security” (AAVASILES-2022) jointly organized by ICAR and NADCL (J & K) from 28 to 30 September, 2022.

ADVISOR

1. Major advisor of four M.V.Sc. Students of Veterinary Pathology.
2. Advisor of fifteen M.V.Sc. and Ph.D. students of Veterinary Pathology, Veterinary Anatomy, AGB, Veterinary Gynaecology, Veterinary Microbiology, LPT, Veterinary Surgery and Radiology.

LIFE-MEMBERSHIP OF SCIENTIFIC ORGANIZATIONS

1. Life membership of Indian Association of Veterinary Pathologists (IAVP)
2. Life membership of Veterinary Practitioner
3. Editor of Glacier Journal of Scientific Research, Ahmedabad (Impact factor 2.7614)
4. Life Membership of Red cross Society, Bikaner
5. Life membership of Indian Society for sheep and goat production and utilization (ISSGPU)
6. Life membership of Society for Veterinary Sciences and Biotechnology (SVSBT)

NATIONAL AND INTERNATIONAL CONFERENCES ATTENDED

1. International Symposium and XVII annual convention of Indian society for Veterinary immunology & biotechnology held at RAJUVAS, Bikaner from 29-31 Dec., 2010.
2. International Symposium on “New horizons of camel surgery and large ruminant surgery” held from October 15-17, 2014 organized by the Department of Veterinary Surgery and Radiology, CVAS, RAJUVAS, Bikaner.
3. National Seminar on “Translational Research in Biotechnology for improving Animal Health and Production” & 3rd Annual meeting of society for Veterinary Science and Biotechnology held from October 7-8, 2015 organized by the Department of Veterinary Microbiology & Biotechnology, CVAS, RAJUVAS, Bikaner.
4. National Conference on “New horizons of Veterinary and Medical Forensic Medicine” held from March 5-6, 2016 organized by the Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, CVAS, RAJUVAS, Bikaner.
5. National conference on “Mankind facing environmental challenges and tackling disasters” held at Jodhpur from 3-4 Dec. 2016.
6. Workshop on “Hands-on training on advanced diagnostics and treatment of Canine Ophthalmic Disorders” organized by the AINP-DIMSCA, RAJUVAS, Bikaner on 27 July, 2016.
7. National Symposium on “Sustainable management of livestock and poultry diversity for enhancing the farmer’s income” & XV Annual convention of SOCDAB, held from February 08-10, 2018 organized by RAJUVAS, Bikaner.
8. National seminar on “Recent development and strategies for management of disasters in animals” held at Centre for disaster management technology for animals, RAJUVAS, Bikaner from 13-14 March, 2018.
9. 37th Annual Convention & National Symposium on “Holistic Approach in Veterinary Medicine for Better Animal Health to meet challenges of one health mission” held from February 01-03, 2019 organized by RAJUVAS, Bikaner.
10. Wildcon-2020 (Online International Conference) on “Insights into wildlife conflicts, rescue and rehabilitation: Challenges and opportunities for conservation” and 14th Annual convention of Association of Zoo and wildlife Veterinarians organized by Wildlife Research and Training Centre, Gorewada Rescue Centre, Nagpur and Association of Indian Zoos and Wild-life Veterinarians, Bareilly from 18th to 20th Dec., 2020.
11. Online International Veterinary Pathology Congress-2020- International Symposium on “Role of Veterinary Pathology in controlling emerging and Re-emerging diseases of Livestock and Poultry: One health approach” organized by Department of Pathology, Nagpur Veterinary College, MAFSU, Nagpur from 26 to 29th Dec., 2020.

12. International conference on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021.
13. Workshop on “Genome Analysis methods for molecular genetics studies and disease diagnosis” organized by NRCC, Bikaner from 9-10th March, 2022.
14. International Conference on “Advances in Agricultural, Veterinary and Allied Sciences for improving livelihood and environmental security” (AAVASILES-2022) jointly organized by ICAR and NADCL (J & K) from 28 to 30 September, 2022.
18. 14th Kerala Veterinary Science Congress on “One Health approaches in the management of Animal Health Care-New paradigms” organized by Indian Veterinary Association, Kerala from 12 to 13 November 2022.
19. National conference on “Ozone layer, its depletion and impact on living beings (ODIL 2024)” organized by ICAR-NRCC, Bikaner from 16 to 17 September, 2024.

NATIONAL TRAININGS/COURSES ATTENDED

1. NEP-2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by UGC-MMTTC (GAD-MMTTC), SGTB Khalsa College, University of Delhi from 06th August to 16th August 2024.
2. Ten days short course on “Recent developments in livestock phenome data recording, analysis and interpretation in the era of genomics” organized by ICAR, New Delhi and held at NRCC, Bikaner, India from 3rd January to 12th January, 2024.
3. Six week online course (MOOC Course) on “Practical animal nutrition for augmenting livestock and poultry productivity” organized by Department of Veterinary and Animal Husbandry, Madras Veterinary College, TANUVAS, Chennai, India from 11th July to 31st August, 2023.
4. 21 days CAFT Training course on “Combating AMR in Livestock and Poultry: Recent advances in surveillance, diagnostics and therapeutics” held at LUVAS, Hisar, Haryana from 01st February to 21st February, 2023.
5. 21 days Faculty Development Programme on “Role of Science and Technology in sustainable agriculture, horticulture, Animal husbandry and Allied sectors: A retrospective and prospective approach” jointly organized by ICAR and NADCL, J & K from 09th November to 29th November, 2022.
6. 21 days training on “Recent Advances in Veterinary Pathology for Intensive Livestock Development” organized by WBUAFS (West Bengal) and NADCL (J & K) from 10th November to 30th November, 2021.

7. 21 days online training course on “Recent techniques in nucleic acid based diagnostics and cell culture” organized by Department of Animal Biotechnology, College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar from 11th January to 31st January, 2021.
8. E-course on “An approach to Postmortem examination in animals with special reference to Veterolegal cases” organized by Directorate of Human Resource Development, RAJUVAS, Bikaner from 21st to 23rd Dec., 2020.
9. Orientation Training Programme on “Teaching Methodology” organized by Directorate of Extension Education, RAJUVAS, Bikaner from 28th March to 17th April, 2019.
10. 21 days Winter School on “Conservation and promotion of indigenous breeds of livestock” organized by Department of Livestock Production Management, CVAS, RAJUVAS, Bikaner from 30th October to 19th November, 2017.
11. 21 days CAFT Training on “modern technologies for production and applications of antibodies for animal health improvement” at LUVAS, Hisar from 1st March to 21st March, 2017.

RESEARCH WORK

1. Clinico-pathological study of gastrointestinal tract affections in camel (*Camelus dromedarius*)”
2. Occurrence and Pathology of various conditions of intestine in Pig (*Sus scrofa domestica*)
3. Pathological and Bacteriological studies of liver lesions in poultry
4. Occurrence and Pathology of various conditions of kidney in Pig (*Sus scrofa domestica*)
5. Occurrence and Pathology of colibacillosis in buffaloes (*Bubalus bubalis*)
6. Pathomorphological and Biochemical studies of liver lesions in poultry
7. Pathological and Bacteriological studies of lung lesions in sheep (*Ovis aries*)

DIAGNOSTIC SERVICES

1. Post- mortem examination of Cattle, Buffaloes, Sheep, Goats, Camel and Poultry for diagnosis of diseases.
2. Diagnosis of various diseases including infectious diseases by histopathology of biopsies, isolation, identification and culture of causal organisms.
3. Involved in diagnosis of the various disease outbreaks in the Rajasthan state and working as expert pathologist in the team of scientists during outbreaks of diseases.
4. Involved in the establishment of Clinical Pathology laboratory in the TVCC for the diagnosis of diseases by haematological and biochemical tests.

LIST OF PUBLICATIONS

Total number of Research Papers Published: 44

In NAAS rated journals (>5): 33

In UGC care List-II journals: 02

In Non-NAAS rated journals: 09

Full length papers in conference proceedings: 01

Book chapter: 01

Total number of Abstracts Published: 42

Research Papers Published

1. **Shesh Asopa**; I. Vyas; H. Dadhich; S. Rani; M. Mathur; A. Joshi; M. Mehra and N. Sharma (2021): Haemato-biochemical studies of acidosis in camels (*Camelus Dromedarius*). Veterinary Practitioner. **22**(1): 79-81.
2. **Shesh Asopa**; A. Joshi; S. Rani; H. Dadhich; I. Vyas and S. Sharma (2014): Incidence and pathological observations of colibacillosis in liver of buffalo calves. Vet. Practitioner. Vol. **15**(2): 305-306.
3. **Asopa Shesh**; Rani S.; H. Dadhich; A. Joshi and S. Sharma (2015): Incidence and histopathological observations of colibacillosis in intestine of buffalo calves. The Indian J. Of Vet. Sci. And Biotech. Vol. **11**(2): 28-30.
4. **Shesh Asopa**; S. Rani; H. Dadhich; I. Vyas; M. Mathur and A. Joshi (2018): Incidence and pathological findings of colibacillosis in kidney of buffalo calves. Veterinary Practitioner. Vol. **19**(2): 197-198.
5. **Shesh Asopa**, I Vyas, H Dadhich, A Joshi and S Rani (2021): Haematobiochemical alterations associated with enteritis in dromedary camels (*Camelus dromedarius*). Ruminant Science. **10**(2): 363-366.
6. **Shesh Asopa**; I. Vyas; H. Dadhich; S. Rani; M. Mathur; A. Joshi; M. Mehra and N. Sharma (2019): Clinical studies of blood and serum parameters of impaction in camels (*Camelus dromedarius*). Veterinary Practitioner. Vol. **20**(1): 31-33.
7. **Asopa Shesh**, Joshi, A., Maria, A., Nazir, A. Bumla., Rani, S. and Dadhich, H. (2012): Incidence and pathology of colibacillosis on lungs of buffalo calves. Wayamba Journal of Animal Science. Vol. **5**. ISSN: 2012-578X.
8. Rajbala, **Asopa, S.**, Dadhich, H. and Mathur, M. (2023). Pathological study of various types of hepatitis in poultry. Veterinary Practitioner, 24(2): 243-245.
9. Poonam Gupta, **Shesh Asopa**, H. Dadhich, S. Rani, M. Mathur, I. Vyas, M. Mehra and D.K. Pankaj (2022): Occurrence and pathology of Ascariasis in pig (*Sus scrofa domestica*). Veterinary Practitioner. 23(2): 369-370.

10. Bano P., Mathur M., Dadhich H., Mehra M. and **Asopa S.** (2023). Clinico-pathological study of aspiration pneumonia in goats. *Veterinary Practitioner*, 24(2): 240-242.
11. Jay K. Desai, Manisha Mathur, Hemant Dadhich, Manisha Mehra and **Shesh Asopa** (2024). Cutaneous mast cell tumour in dog: a cytological and histopathological study. *Haryana Veterinarian*, **63**(SI): 131-132.
12. Ashish Joshi, Nalini Kataria, **Shesh Asopa** and Anil Kumar Kataria (2024). Assessment of erythrocytic stress response in Rathi cattle from Rajasthan during varying ambiances. *The Indian Journal of Veterinary Sciences and Biotechnology*, 20(4): 64-68.
13. Poonam Gupta, **Shesh Asopa**, Hemant Dadhich and Deepak Kumar Pankaj (2022): Types, pattern and morphology of enteritis prevalent in pigs (*Sus scrofa domesticus*) of Rajasthan. *The Pharma Innovation Journal*. **11**(7): 4005-4008.
14. Nalini Singhal, **Shesh Asopa**, H. Dadhich, M. Mathur and P. Kalani (2022): Pathological study of various types of necrosis in poultry. *Veterinary Practitioner*. 23(2): 376-378.
15. Pravin Bano, H. Dadhich, M. Mathur, S. Rani, I. Vyas, M. Mehra and **S. Asopa** (2022): Occurrence and histo-pathology of polyarteritis nodosa in sheep (*ovis aries*). *Veterinary Practitioner*. 23(2): 371-372.
16. Renu; S. Rani; H. Dadhich; M. Mathur; M. Mehra; **S. Asopa** and Umesh Kumar Prajapat (2018): Incidence and pathology of pulmonary tuberculosis in cattle. *Veterinary Practitioner*. Vol. **19**(1): 24.
17. Renu; P. Puri; S. Rani; H. Dadhich; M. Mathur and **S. Asopa** (2018): Incidence and pathology of bronchopneumonia in cattle. *Veterinary Practitioner*. Vol. **19**(2): 196.
18. Naresh Kumar Sharma; S Rani; H Dadhich; I Vyas; M Mathur; M Mehra; **S Asopa** and S Kumar (2018): Occurrence of the pathological conditions affecting blood vessels of camel in north-western Rajasthan. *Ruminant Science*. Vol. **7**(2):257-260.
19. Manisha Mehra; O.P. Singh; M. Mathur; H. Dadhich; G. Singh; S. Rani; I. Vyas; **S. Asopa** and N. Sharma (2019): Bacteriological studies in renal affections in camel (*Camelus dromedarius*). *Veterinary Practitioner*. Vol. **20**(1): 38-40.
20. Manisha, M.; Singh, O. P.; Mathur, M.; Dadhich, H.; Singh, G.; Rani, S.; Vyas, I.; **Asopa, S.**; Sharma, N. and Chouhan, H. (2019): Haemato-biochemical studies in renal affections in camel (*Camelus dromedarius*). *Veterinary Practitioner*. 20(2): 244-245.
21. Naresh Kumar Sharma, S. Rani, Manisha Mehra and **Shesh Asopa** (2020). Histopathological and bacteriological studies of vegetative valvular endocarditis in a dromedary camel (*Camelus dromedarius*). *Journal of Entomology and Zoology Studies*. 8(2): 838-840.

22. Aditi Kumawat; Indu Vyas and **Shesh Asopa** (2020): Occurrence and pathology of pericarditis in cattle (*Bos indicus*). Journal of Entomology and Zoology Studies. **8**(3): 1624-1626.
23. Pravin Bano, H. Dadhich, M. Mathur, M. Mehra and **S. Asopa** (2022): Pathology of calcification of aorta in sheep (*Ovis aries*). The Pharma Innovation Journal. **11**(7): 841-842.
24. Pravin Bano, H. Dadhich, M. Mathur, M. Mehra and **S. Asopa** (2022): Occurrence and Pathology of vegetative endocarditis in sheep (*Ovis aries*). The Pharma Innovation Journal. **11**(7): 843-844.
25. Pravin Bano, H. Dadhich, M. Mathur, M. Mehra and **S. Asopa** (2022): Pathological findings of degenerative changes of heart of sheep (*Ovis aries*). The Pharma Innovation Journal. **11**(7): 845-848.
26. Pradeep Makawana, M. Mehra, S. Rani, Prakash, H. Dadhich, I. Vyas, M. Mathur and **S. Asopa** (2022): Estimation of serum protein and albumin level in sheep (*Ovis aries*) in various hepatic lesions. Veterinary Practitioner. **23**(1): 151-152.
27. Pravin Bano, H. Dadhich, M. Mathur, I. Vyas, M. Mehra and **S. Asopa** (2022): Pathological findings of inflammatory conditions related to heart of sheep (*Ovis aries*). The Pharma Innovation Journal. **11**(7): 1921-1923.
28. Deepak Kumar Pankaj, Sunita Rani, Manisha Mehra, **Shesh Asopa**, Poonam Gupta and Rahul Kumar (2022): Types, pattern and morphology of liver inflammatory conditions prevalent in pig (*Sus scrofa domesticus*) of Rajasthan. The Pharma Innovation Journal. **11**(7): 2600-2603.
29. Joshi, A.; Kataria, N.; Kataria, A.K.; Pandey, N. Sankhala, L.N.; **Asopa, S.**; Pachaury, R. and Khan, S. (2012). Influence of ambient temperatures on metabolic responses of Murrah buffaloes of varying physiological states from arid tracts in India. ELBA Bioflux (Extreme Life, Biospeology & Astrobiology. International Journal of the Bioflux Society). **4** (2): 34-39.
30. Pandey, N. Kataria, N.; Kataria, A.K.; Joshi A., Sankhala, L.N. **Asopa, S.** and Pachaury, R. (2012). Extreme ambiances *vis-à-vis* endogenous antioxidants of Marwari goat from arid tracts in India. ELBA Bioflux. **4** (2): 29-33.
31. Joshi A., Kataria, N.; Kataria, A.K.; Pandey, N., **Asopa, S.**; Sankhala, L.N. Pachaury, R. and Khan, S. (2013). Stress related variations in serum vitamin E and C levels of *Murrah* buffaloes. Journal of Stress Physiology & Biochemistry. **9** (1): 28-34.
32. Pandey N., Kataria, N.; Kataria, A.K.; Joshi, A.; Sankhala, L.N., Pachaury, R. and **Asopa, S.** (2013). Ambient Stress *vis-a-vis* Enzyme Regulators of Carbohydrate Metabolism in *Marwari* goat from arid tracts in India. *Journal of Stress Physiology & Biochemistry*. **9** (1): 46-53.

33. Joshi, A., Kataria, N., Sharma, S., Sharma, A., Arora, S., Abhimanu, Maan, R., **Asopa, S.**, Arya, N., Khan, S. and Kataria, A.K. (2013). Detection of Oxidative Stress in Pregnant and Non-pregnant *Murrah* buffaloes during Extreme Ambiences. *Veterinary Research*. **6**(2): 27-31.
34. Kataria, N., Bargujar, J., Pilonia, P.K., Arya, N., Bhati, T., Mohammed, N., Nathawat, P., Mathur, M., Choudhary, **S.**, **Asopa, S.**, Abhimanu and Kataria, A.K. (2013). Evaluation of Stress and Metabolic Adjustments in Buffaloes with Post Parturient Haemoglobinuria. *Vet res*. **6** (2):43-47.
35. Pilonia, P.K., Solanki, S., Mohammed, N., **Asopa, S.**, Maan, R., Joshi, A., Sankhala, L.N., Mathur, M., Thori, M.K., Gaur, J.S., Meena, A. and Kataria, N. (2013). Oxidative Stress Vis-a-vis Gastrointestinal Parasitism and Pneumonia in *Marwari* Goat. *Veterinary Research*. **6**(3): 54-57.
36. Nalini Kataria; Ashish Joshi; Bhagat Singh Saini; Sunil Arora; Banita Singla; Nazeer Mohammed; **Shesh Asopa** and A.K. Kataria (2014): Relationship of aldosterone with electrolytes and oxidative stress during hot ambience in Marwari goats from arid tracts. *Ruminant Sci*. Vol. **3**(2): 211-215.
37. Subhash Sharma; **S. Asopa**; A. Joshi and A. Middha (2015): Serum biochemical changes in goats due to helminth infestation at Anand district of Gujarat. *Veterinary Practitioner*. Vol. **16**(1):41-43.
38. Subhash Sharma; P.V. Patel; Dharmendra Choudhary; **Shesh Asopa** and Mahendra Singh Manohar (2015): Pathological changes due to helminth infestation in goats in Anand district of Gujarat. *The Indian J. Of Vet. Sci. And Biotech*. Vol. **10**(4): 23-26.
39. Subhash Sharma; P.V. Patel; Dharmendra Choudhary; **Shesh Asopa** and Mahendra Singh Manohar (2015): Seasonal variation of helminthic infestation in goats in Anand district of Gujarat. *The Indian J. Of Vet. Sci. And Biotech*. Vol. **10**(4): 57-59.
40. Joshi, A.; Kataria, N.; Singhal, S.S.; Satyendra; **Asopa, S.** and Kataria, A.K. (2016): Evaluation of oxidative stress during hot dry and hot humid environmental periods in indigenous pigs from arid tracts in India. *Porcine Res*. **6**(1): 16-23.
41. Joshi, A.; Kataria, N.; **Asopa, S.** and Kataria, A.K. (2017): Role of aldosterone in hot ambience associated oxidative stress in *Murrah* heifers. *Veterinary Practitioner*. **18**(1): 97-100.
42. Joshi A.; Kataria N.; **Asopa S.** and Kataria A.K. (2017): Effect of ambient stressors on metabolism of *Murrah* buffaloes of various physiological states. *Veterinary Practitioner*. Vol. **18**(2): 172-175.
43. Joshi, A., Kataria, N., **Asopa, S.** and Kataria, A.K. (2022). Assessment of enzymatic leucocytic stress response in *Rathi* cattle from Rajasthan during varying ambiances. *Ruminant Science*. **11**(1): 67-72.

44. Joshi, A., Kataria, N., **Asopa, S.** and Kataria, A.K. (2022). Assessment of leucocytic stress response in *Rathi* cattle from Rajasthan during varying ambiances. *Veterinary Practitioner*. *Veterinary Practitioner*. **23**(1): 99-102.

FULL LENGTH PAPERS IN CONFERENCE PROCEEDINGS

45. **Shesh Asopa**, Ashish Joshi, Hemant Dadhich and Indu Vyas (2022): Prevalence and pathological study of ulcers in C3 compartment of dromedary camels (*Camelus dromedarius*). *Proceedings-Kerala Veterinary Science Congress- 2022 on "One Health approaches in the management of Animal Health Care-New paradigms"*. Pp 21-24. ISSN-2394-255X.

BOOK CHAPTER

46. **Shesh Asopa**, A. Joshi, H. Dadhich and I. Vyas (2022): Prevalence and pathological study of inflammatory conditions in various compartments of dromedary camel (*Camelus dromedarius*). Book chapter in *Souvenir cum Conference book on "Advances in Agricultural, Veterinary and Allied sciences for improving livelihood and environmental security (AAVASILES-2022)"* organized by ICAR and NADCL, Baramulla, J & K (India) from September 28 to 30, 2022. Pp 84-90. ISBN 978-93-91995-06-5.

Papers presented in National and International Conferences

1. S.Rani, I.Vyas, A.K. Rawat and **S. Asopa** (2010): Pericarditis:-a pathological study in poultry. International symposium & xvii annual convention of Indian society for Veterinary immunology & biotechnology held at RAJUVAS, Bikaner from 29-31 Dec., 2010.
2. **Shesh Asopa**, Sunita Rani and Hemant Dadhich (2015): Incidence and histopathological observations of colibacillosis on spleen and lymphnodes of buffalo calves. National Seminar on "Translational Research in Biotechnology for improving Animal health and Production" held at RAJUVAS, Bikaner from 7-8 Oct., 2015.
3. Ashish Joshi, **Shesh Asopa**, A. K. Kataria and Nalini Kataria (2016): Appraisal of antioxidant status in pregnant and non-pregnant Marwari Sheep. National Conference on "New Horizons of Veterinary and Medical Forensic Medicine" held at RAJUVAS, Bikaner from 5-6 March, 2016. pp 236.
4. Nalini Kataria, Ashish Joshi, B.S. Saini, **Shesh Asopa**, Mamta Saini and A. K. Kataria (2016): Evaluation of thermal stress in preweaning and post weaning buffalo calves. National Conference on "New Horizons of Veterinary and Medical Forensic Medicine" held at RAJUVAS, Bikaner from 5-6 March, 2016. pp 240.
5. Nazeer Mohammed, Ashish Joshi, **Shesh Asopa**, Nalini Kataria and A. K. Kataria (2016): Hormonal profile and erythron function test in Rathi cows with acidosis. National

Conference on “New Horizons of Veterinary and Medical Forensic Medicine” held at RAJUVAS, Bikaner from 5-6 March, 2016. pp 240.

6. Renu, Punam Puri, C. Pratap Singh, Hemant Dadhich, Sunita Rani, M. Mathur, Indu Vyas, M. Mehra and **Shesh Asopa** (2016): Pathological findings of interstitial pneumonia in Cattle. National Conference on “New Horizons of Veterinary and Medical Forensic Medicine” held at RAJUVAS, Bikaner from 5-6 March, 2016. pp 242.
7. **Shesh Asopa**, Sunita Rani, Hemant Dadhich, Indu Vyas and Ashish Joshi (2016): Pathological findings of *E. coli* infection in intestine of buffalo calf. National Conference on “New Horizons of Veterinary and Medical Forensic Medicine” held at RAJUVAS, Bikaner from 5-6 March, 2016. pp 263.
8. Saini, M., **Asopa, S.**, Pareek, S., Joshi, A., Saini, B. S, Singhal, S.S., Bhartendu, Kataria, A.K. and Kataria N.(2016): 5' nucleotidase versus alkaline phosphatase in pneumonia affected *Marwari* sheep. National conference on “Mankind facing environmental challenges and tackling disasters” held at Jodhpur from 3-4 Dec. 2016.
9. Joshi, A., **Asopa.S.**, Kataria, N. and Kataria, A.K. (2016): Appraisal of urea cycle cadence during cold stress in buffaloes. National conference on “Mankind facing environmental challenges and tackling disasters” held at Jodhpur from 3-4 Dec. 2016.
10. **S. Asopa**, S. Rani, H. Dadhich, I. Vyas, M. Mathur and M. Mehra (2019): Pathological findings of *E. coli* infection in heart of buffalo calf. National Symposium on “Holistic approach in Veterinary Medicine for better animal health to meet challenges of one health mission” held at College of Veterinary and Animal Science, RAJUVAS, Bikaner from 1-3 February, 2019.
11. Aditi Kumawat, Hemant Dadhich, Sunita Rani, Indu Vyas, Manisha Mathur, **Shesh Asopa**, Manisha Mehra, Surendra Kumar, Jyoti Sunda, Kshitiz Goswami and Manish Kumar (2019): Pathological findings of onchocerciasis in cattle (*Bos indicus*). National Symposium on “Holistic approach in Veterinary Medicine for better animal health to meet challenges of one health mission” held at College of Veterinary and Animal Science, RAJUVAS, Bikaner from 1-3 February, 2019. pp-49.
12. **Shesh Asopa**, I. Vyas, H. Dadhich, S. Rani and A. Joshi (2020): Pathological findings of stomatitis in camel (*Camelus dromedarius*). XXXVII Annual Conference of Indian Association of Veterinary Pathologists and Online International Symposium on “Role on Veterinary Pathology in Controlling Emerging & re-emerging Diseases of Livestock & Poultry: One Health Approach”, organized by Department of Pathology, Nagpur Veterinary College, Nagpur, during 26 -29 December, 2020.
13. **Shesh Asopa**, I. Vyas, H. Dadhich, S. Rani and A. Joshi (2020): Bacterial isolation and identification from diarrhoeic camels (*Camelus dromedarius*). XXXVII Annual Conference of Indian Association of Veterinary Pathologists and Online International Symposium on “Role on Veterinary Pathology in Controlling Emerging & re-emerging Diseases of

Livestock & Poultry: One Health Approach”, organized by Department of Pathology, Nagpur Veterinary College, Nagpur, during 26 -29 December, 2020.

14. Deepak Kumar Pankaj, Sunita Rani, Poonam Gupta, **Shesh Asopa**, Manisha Mehra and Sonia Sharma (2020): *Ascaris suum* in liver of pig- A case report. XXXVII Annual Conference of Indian Association of Veterinary Pathologists and Online International Symposium on “Role on Veterinary Pathology in Controlling Emerging & re-emerging Diseases of Livestock & Poultry: One Health Approach”, organized by Department of Pathology, Nagpur Veterinary College, Nagpur, during 26 -29 December, 2020.
15. **Shesh Asopa**, I. Vyas, H. Dadhich, S. Rani and A. Joshi (2021): Pathological findings of Sarcosporidiosis in oesophagus of camel (*Camelus dromedarius*). National Symposium on “Livestock diseases and their impact on sustainable production” organized by IAVP and Department of Veterinary Pathology, College of Veterinary Science & A.H., Rewa, Madhya Pradesh from 5-6 October, 2021.pp 69.
16. **Shesh Asopa**, I. Vyas, H. Dadhich, S. Rani and A. Joshi (2021): Pathological findings of glossitis in camel (*Camelus dromedarius*). National Symposium on “Livestock diseases and their impact on sustainable production” organized by IAVP and Department of Veterinary Pathology, College of Veterinary Science & A.H., Rewa, Madhya Pradesh from 5-6 October, 2021.pp 195.
17. Poonam Gupta, **Shesh Asopa**, Deepak Kumar Pankaj, Hemant Dadhich and Sunita Rani (2021): Ascariasis in intestine of Pig: A case report. National Symposium on “Livestock diseases and their impact on sustainable production” organized by IAVP and Department of Veterinary Pathology, College of Veterinary Science & A.H., Rewa, Madhya Pradesh from 5-6 October, 2021.pp 216.
18. Deepak Kumar Pankaj, Sunita Rani, Poonam Gupta, **Shesh Asopa** and Hemant Dadhich (2021): Hydatid cyst in liver of pig: A case report. National Symposium on “Livestock diseases and their impact on sustainable production” organized by IAVP and Department of Veterinary Pathology, College of Veterinary Science & A.H., Rewa, Madhya Pradesh from 5-6 October, 2021.pp 217.
19. O.P. Singh, Manisha Mehra, M. Mathur, **S. Asopa**, I. Vyas and H. Dadhich (2021): Biopsy as a diagnostic tool. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 126-128.
20. Punam Chaudhary, A. Choudhary, N.K. Sharma, M. Mathur and **S. Asopa** (2021): Squamous cell carcinoma in bull: A case report. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 142-143.

21. Sarjna Meena, H. Dadhich, R. Dadhich, I. Vyas, D.S.Meena, M. Mathur, A. Rathore , Manisha Mehra, **S. Asopa**, Sandeep Marodia and Sunil Jangid (2021): Severe Dermatophytosis in a Persian Cat: A Case Report. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 155-156.
22. Sarjna Meena, H. Dadhich, R. Dadhich, I. Vyas, D.S.Meena, Manisha Mathur, Anita Rathore, Manisha M., **Shesh A.**, Sandeep Marodia and Sunil Jangid (2021): Pathomorphological and Cytological Detection Of Avian Malaria. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 192-193.
23. Poonam Gupta, **Shesh Asopa**, Deepak Kumar Pankaj, Hemant Dadhich, Manisha Mathur and Sunil Kumar Jangid (2021): Pathological findings of haemorrhagic enteritis in Pig (*Sus scrofa domestica*): A case report. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 225.
24. Pooja Prajapat, **S. Asopa**, H. Dadhich, N. Godara and P. Chaudhary (2021): Burn in cattle: A case report. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 225-226.
25. Pravin Bano, H. Dadhich, M. Mathur and **Shesh Asopa** (2021): Occurrence and pathology of polyarteritis nodosa in sheep (*Ovis aries*). International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 230.
26. Pravin Bano, H. Dadhich, M. Mathur and **Shesh Asopa** (2021): Pathological lesions of vegetative endocarditis in sheep (*Ovis aries*). International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 230-231.
27. Nalini Singhal, **Shesh Asopa**, M. Mathur and H. Dadhich (2021): Pathological findings of liver abscess in poultry. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild

Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 233.

28. Renu, H. Dadhich, M. Mathur, P.K. Boyal, M. Mehra, **S. Asopa**, Deepak Kumar Pankaj and Pradeep Makawana (2021): Pathological changes in heart in sheep associated with *Clostridium perfringens* type D enterotoxemia. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 234-235
29. Rajbala, M. Mehra , **S. Asopa**, I. Vyas, P. Choudhary , A. Choudhary and N. K. Sharma (2021): Pathological Finding of Cirrhosis in Liver Of Cattle (*Bos Indicus*). International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 238-239.
30. **Shesh Asopa**, I. Vyas, H. Dadhich, A. Joshi, M. Mathur, S. Rani and M. Mehra (2021): Pathological findings of sarcosporidiosis in tongue of camel (*Camelus dromedarius*). International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 250.
31. **Shesh Asopa**, I.Vyas, H. Dadhich, A. Joshi, M. Mathur and M. Mehra (2021): Bacterial isolation and identification from liver lesions during necropsy in camels (*Camelus dromedarius*). International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 250-251.
32. Nalini Singhal, **Shesh Asopa**, M. Mathur and H. Dadhich (2021): Pathological observations of liver cirrhosis in poultry. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 267.
33. Deepak K. Pankaj, Sunita Rani, Poonam Gupta, **Shesh Asopa**, Manisha Mehra, Renu, Pradeep Makawana (2021): Pathological findings of bile duct hyperplasia in the liver of pig (*Sus scrofa domestica*) –A case report. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 269.

34. Pradeep Makawana, Manisha Mehra, Sunita Rani, Indu Vyas, Manisha Mathur, **Shesh Asopa**, Renu, Shobha Burdak, Deepak Kumar Pankaj and Nikhil Pal Bajiya (2021): Levels of bilirubin in sheep at various hepatic lesions. International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 273.
35. Manish Kumar, I. Vyas, H. Dadhich, M. Mathur, M. Mehra, **S. Asopa**, Renu, N.K. Sharma, S. Burdak, R. Mohta, A. Joshi, R.K. Berwal and A. Ghorela (2021): Pathological findings of pericarditis in goats (*Capra hircus*). International Symposium on “Advances in Veterinary Pathology for Diagnosis and Control of Emerging and Re-emerging Diseases of Livestock, Wild Animals and Poultry” organized by IAVP, ICVP and Department of Veterinary Pathology, CVAS, RAJUVAS, Bikaner from 17th-19th December, 2021. Pp 274.
36. **Shesh Asopa**, A. Joshi, I. Vyas and H. Dadhich (2022): MALDI-TOF as advanced diagnostic technique in Veterinary Pathology. International Conference on “Advances in Agricultural, Veterinary and Allied sciences for improving livelihood and environmental security (AAVASILES-2022)” organized by ICAR and NADCL, Baramulla, J & K (India) from September 28 to 30, 2022. Pp 575
37. Ashish Joshi, N. Kataria, **Shesh Asopa** and A.K. Kataria (2022): Effect of oxidative stress during varying ambiances on livestock productivity. International Conference on “Advances in Agricultural, Veterinary and Allied sciences for improving livelihood and environmental security (AAVASILES-2022)” organized by ICAR and NADCL, Baramulla, J & K (India) from September 28 to 30, 2022. Pp 576
38. Poonam Gupta, **Shesh Asopa** and Hemant Dadhich (2022): Pathological Observations in Haemosiderosis in Intestine of Pig. International Conference on “Advances in Agricultural, Veterinary and Allied sciences for improving livelihood and environmental security (AAVASILES-2022)” organized by ICAR and NADCL, Baramulla, J & K (India) from September 28 to 30, 2022. Pp 604
39. Poonam Gupta, **Shesh Asopa** and Hemant Dadhich (2022): Pathological Findings of Necro-Haemorrhagic Enteritis In Intestine Of Pig. International Conference on “Advances in Agricultural, Veterinary and Allied sciences for improving livelihood and environmental security (AAVASILES-2022)” organized by ICAR and NADCL, Baramulla, J & K (India) from September 28 to 30, 2022. Pp 605
40. **Shesh Asopa**, Aditya Arora, Jay Joshi, Manisha Mathur, Hemant Dadhich and Manisha Mehra (2024). Impact of climate change and oxidative stress on livestock productivity. National conference on “Ozone layer, its depletion and impact on living beings” (ODIL 2024) organized by ICAR-NRCC, Bikaner from 16 to 17 September, 2024.

41. Aditya Arora, **Shesh Asopa**, Hemant Dadhich, Manisha Mathur, Manisha Mehra and Jay Joshi (2024). Improving livestock health and productivity under climate change scenario. National conference on “Ozone layer, its depletion and impact on living beings” (ODIL 2024) organized by ICAR-NRCC, Bikaner from 16 to 17 September, 2024.
42. Manisha Mehra, Manisha Mathur, Hemant Dadhich, **Shesh Asopa**, Aditya Arora and Jay Joshi (2024). Improving livestock health and productivity under climate change scenario. National conference on “Ozone layer, its depletion and impact on living beings” (ODIL 2024) organized by ICAR-NRCC, Bikaner from 16 to 17 September, 2024.