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Educational Qualifications	2005 B.V.Sc & A.H., CCSHAU, Hisar, Haryana 2007 M.V.Sc (Vety. Clinical Medicine), CCSHAU, Hisar, Haryana 2010 Ph.D (Vety. Clinical Medicine), CCSHAU, Hisar, Haryana
Employment Details	Veterinary Surgeon (HVS) : June, 2010 to December, 2013 Assistant Professor, LUVAS :December, 2013 to till date
Research Interests	Veterinary Medicine, Veterinary Microbiology, Animal Biotechnology and E-Governance
Membership of scientific societies <ol style="list-style-type: none"> 1. Life Member, Indian Society of Veterinary Medicine 2. Life Member, Indian Society of Veterinary Surgery 3. Life Member, Indian Society for the Advancement of Canine Practice 4. Life Member, Society for Immunology and Immunopathology 5. Life Member, Indian Red Cross Society 6. Life Member, Association of Microbiologists of India 7. Life Member, Indian Association for the Advancement of Veterinary Research 8. Life Member, Indian Association of Veterinary Public Health specialists 9. Life Member-Emergency Relief Network, Wild life trust of India, New Delhi 10. Life Member, Indian Society for Buffalo Development 11. Life Member, Society of Animal Physiologists of India 12. Life Member, The Indian Society for study of Animal Reproduction 13. Life Member, Indian Association of Veterinary Microbiologists, Immunologists and specialists in infectious diseases 14. Life Member, Indian Society for Veterinary Immunology and Biotechnology 15. Life Member, Indian Society of Veterinary Pharmacology and Toxicology 16. Life Member, Indian Immunology Society 17. Life Member, Indian Public Health Association 18. Life Member, Association of Animal Scientists 19. Founder Life Member Association of Mastitis 20. Life Associate Member, Blue Cross Society of India, Chennai 21. Life Member, Blue Cross Society, Hisar 22. Registered Member, Haryana Veterinary Council. 23. Registered Veterinary Practitioner, Veterinary Council of India 	

Publications (Full Articles)

1. **Sindhu, N.**, Sharma, A., Kumar, S. and Jain, V.K. (2007) Polymerase chain reaction for detection of *Staphylococcus aureus* in buffalo milk. *Italian Journal of Animal Sciences*, 6 (Suppl. 2): 862-864
2. Sharma, A. and **Sindhu, N.** (2007) Occurrence of clinical and subclinical mastitis in buffaloes in state of Haryana (India). *Italian Journal of Animal Sciences*. 6 (Suppl. 2): 965-967.
3. **Sindhu, N.**, Sharma, A. and Jain, V.K. (2008) Phenotypic and genotypic characterization of *Staphylococcus aureus* isolated from mastitis cases of cows and buffaloes. *Journal of Immunology and Immunopathology*, 10(2): 119-123.
4. **Sindhu, N.**, Sharma, A., Jain, V.K. and Nehra, V. (2008) Molecular detection of *Escherichia coli* from mastitic milk of crossbred cows. Full paper published in proceedings of 15th congress of the Federation of Asian Veterinary Association (FAVA) & OIE joint Symposium on emerging diseases held on 27-30 October, 2008 at Bangkok, Thailand. pp. O55-O56
5. Sharma, Anshu, **Sindhu, Neelesh** and Jain, V.K. (2009) 16S-23S rRNA intergenic spacer based molecular detection of *Staphylococcus aureus* directly from mastitic milk of crossbred cows. *Indian Journal of Animal Sciences*, 79 (4): 350-352.
6. **Sindhu, Neelesh**, Sharma, Anshu, Nehra, Vikas and Jain, V.K. (2009) Occurrence of subclinical mastitis in cows and buffaloes at organised farm. *Haryana Veterinarian*, 48: 85-87.
7. **Sindhu, Neelesh**, Sharma, Anshu and Jain, V.K. (2010) Molecular detection of *Staphylococcus aureus* mastitis in crossbred cows based on genus specific *gap* gene and species specific *aroA* gene PCR assay. *Indian Journal of Animal Sciences*, 80 (4): 275-278.
8. **Sindhu, N.**, Sharma, A. and Jain, V.K. (2010) Diagnosis of staphylococcal mastitis directly from milk of *murrah* buffaloes and cross bred cows by 16S-23S ribosomal RNA intergenic spacer PCR analysis. *Israel Journal of Veterinary Medicine*, 65 (1): 23-26.
9. **Sindhu, Neelesh**, Sharma, Anshu and Jain, V.K. (2010) Coagulase gene based molecular detection of *Staphylococcus aureus* directly from mastitic milk samples of *murrah* buffalo *Buffalo Bulletin*, 29 (1): 62-69.
10. **Sindhu, N.**, Sharma, A., Nehra, V. and Jain, V.K. (2010) PCR-based detection of genes encoding glyceraldehyde-3-phosphate dehydrogenase and 5-enolpyruvylshikimate-3-phosphate synthase in *Staphylococcus aureus* directly from mastitic milk of *murrah* buffaloes *Journal of Immunology and Immunopathology*, 12 (1): 59-63.
11. Hooda, A.K., Mishra, S.K., Sharma, Anshu and **Sindhu, Neelesh** (2010). Bacteriological and histopathological studies on mortality associated with *Escherichia Coli* infection in poultry. *Indian Journal of Poultry Science*. 45(2):191-195.
12. **Sindhu, Neelesh**, Sharma, Anshu and Jain, V.K. (2011) Detection of enterotoxin producing *Staphylococcus aureus* isolated from mastitic milk. *Indian Veterinary Journal*, 88(1): 34-35
13. Khemani, Taruna, Rana, Yudhbir Singh, Sharma, Anshu, Sharma, Ravindra and **Sindhu Neelesh** (2011) Phenotypic alterations in T-cell subpopulations in the milk of normal and mastitic buffaloes. *Journal of Immunology and Immunopathology*, 13 (2): 83-87.
14. Pankaj, Sharma, Anshu, Chhabra, Rajesh and **Sindhu, Neelesh** (2012) Prevalence of sub clinical mastitis in cows: its etiology and antibiogram. *Indian Journal of Animal Research*, 46(4): 348-353.
15. Lehreena, Gupta, R.P., **Sindhu, Neelesh** and Nehra, Vikas (2012) Molecular characterization and antibiogram of *Escherichia coli* isolates implicated in calf mortality. *Haryana Veterinarian*, 51: 41-44.
16. Kumar, Pankaj, Sharma, Anshu, Chhabra, Rajesh Sharma, Ravindra, **Sindhu Neelesh** and Anupama (2012) Observations on Acute phase proteins and various diagnostic tests for udder

- health. *Haryana Veterinarian*, 51: 89-91.
17. Pankaj, Sharma, Anshu, Chhabra, Rajesh and **Sindhu, Neelesh** (2013) Sub clinical mastitis in murrah buffalo with special reference to prevalence, etiology and antibiogram. *Buffalo Bulletin*, 32 (2): 107-115
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 24. Ankit Kumar, Tarun Kumar, Parmod Kumar, Gaurav Charaya, **Neelesh Sindhu**, Sonu Kumari, Rajendra Yadav and Sridhar. (2015). Hemato-Biochemical Studies on Clinical Cases of Primary Ketosis in Buffaloes. *Journal of Animal Research.* **5(3)**: 443-448.
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 27. Sharma, S., Choudhary, R.N., Saharan, S., Tiwari, D. K., Pandey, A.K., **Sindhu, N.** and Kumar, T. (2015). Pharyngeal Leiomyoma and its management in a Buffalo. *Ruminant Science.* 4 (1): 131-132.
 28. Kumar, Pankaj, Sharma, Anshu, Chhabra, Rajesh Sharma, Ravindra, **Sindhu Neelesh** and Deora, Anupama. A comparative study on Acute phase proteins and other diagnostic tests for detection of subclinical mastitis in cows. *Veterinary Practitioner*, 16 (1):126-129.
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 38. Anita Dalal, Naresh Kumar Kakker, Aman Kumar, Deepika Chaudhary, Nitish Bansal, **Neelesh Sindhu**, Tarun Kumar, Narender Singh Maan and Sushila Maan (2017) Whole Genome Sequence Analysis of Bluetongue Virus Serotype 12 from Northern India *Int.J.Curr.Microbiol.App.Sci* (2017) 6(12): 2346-2348.
 39. Suman, Jain, V.K., Mittal, D., **Sindhu, N.** and Kumar, T. (2017) Bacterial isolates and their antibiograms from Diarrhoeic Buffaloes. *Intas Polivet.* 18(1)12-15.
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 43. Kumar, T., Punia, M., Agnihotri, D., **Sindhu, N.** and Jain, V.K. (2018). Incidence of Ophthalmic Affections in Dogs – A Short Study. *Int. J. Curr. Microbiol. App.Sci.* 7(9): 1560-1565.
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54. Chauhan, S.L., Agnihotri, D., Batra, K., Sharma, M., Kumar, T., **Sindhu, N.** and Jain., V.K. (2021). Detection and therapeutic management of contagious ecthyma (ORF) in a kid. *The Pharma Innovation Journal*: 10(1): 486-488.

Popular Articles

55. Jain, V.K., Kumar, Rakesh, Sridhar and **Sindhu, Neelesh** (2008) Systemic examination of Pet Animals. Published in compendium of "Training on pet animal practice" held from 31 January-13 February, 2008 at College of Veterinary Sciences, CCSHAU, Hisar, India. pp. 1-8.
56. Sharma, R., Joshi, G. and **Sindhu, N.** (2008) Mechanisms of Virus induced cytokine expression. Published in compendium of "Training cum workshop on cytokine assay" held from 26-27 February, 2008 at Department of Microbiology and Epidemiology, DUVASU, Mathura, India pp. 34-39.
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60. Sharma, Anshu, Chhabra, Rajesh, **Sindhu, Neelesh** and Pankaj (2010) Diagnosis of mastitis using conventional and molecular techniques. Published in course compendium of "Modern trends in Veterinary vaccines and diagnostics for the control of infectious diseases" held from 5 March - 25 March 2010 at ICAR centre of advanced faculty training Department of Veterinary Microbiology, CCSHAU, Hisar. Haryana, India pp. 163-166.
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71. Mittal Dinesh, **Sindhu Neelesh** and Sharma, Satbir. (2015) पशुओं में वर्षा ऋतु से पहले वकसीनेशन का महत्व *Haryana Kheti*. 48(6): 24-25.
72. Yadav, R. Kumar, P. and **Sindhu, N.** (2019) Pashupalan: Aaya ka atirikat sadhan. Hindi Popular article published in Dairy training Manual, CODST, LUVAS: pp: 3-5
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75. Yadav, A., Kumar, A., Kumar, T. and **Sindhu, N.** (2021): सुअरों में संक्रामक रोग: लक्षण, बचाव व रोकथाम *Kheti Duniya* 5(17): 6
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Manuals/Books

78. Practical Manuals of Veterinary Clinical Practice in Medicine Section, Course No. VCP- 411& VCP-421, authored by: Dr. Tarun Kumar, Dr. **Neelesh Sindhu**, Dr. Divya Agnihotri, Dr. Rajesh Khurana and Dr. Rakesh Kumar. (2014)
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80. Editor cum Author of Nine chapters in “Veterinary Internship- A Text Book cum Exercise Guide”, first edition- 2015.
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