Biodata of Dr. Gyan Singh

Dr. Gyan Singh	
Designation 	Professor & Head Department of Veterinary Clinical Complex, College of Veterinary Sciences, LUVAS- Hisar (Haryana) India- 125004 Mo.- 8168294526, 9467536697
Educational qualifications	1. B.V.Sc & A.H. COVSc, HAU, Hisar- 2002 2. M.V.Sc (Vety. Gynaecology & Obstetrics) COVSc, HAU, Hisar - 2004 3. Ph. D. COVSc, LUVAS, Hisar - 2016
Employment Details	Assistant Professor – 07/08/09 to 06/08/22 Associate Professor- 07/08/2022 to 06/08/2025 Professor – 07/08/2025 continue…….
Research interest	Research area in ultrasonography, clinical trials and reproductive disorder during gestation period.
Students Guided	As Major Advisor – MVSc- 4, Ph.D.-1 As Co – Major – As member of advisory committee-
Research projects handled/undergoing	Ozone therapy in treatment of sub-clinical endometritis in buffaloes (Co-PI) Identification of Estrous Specific Molecule in the Buffalo Urine Through Metabolomics Approach (Co-PI) Cytogenetic analysis of bovine monster calf and dam of Haryana region (PI)

Publications	1. **Gyan Singh**, Kumar, S., Pandey, A. K., Rishipal, Saini, G., Pradeep, Singh H. and Jain, V. K. (2019). Delivery of free martin (co-twin with male) fetus by caesarean section in a non-descript cow – Research article. *International journal of Agricultural Sciences*. **11**(**18**): 9064-65. (NAAS – 4.20) 2. Kumar, A., **Gyan Singh**, Arjun V., Hariom, Jain, V. K. and Chandolia, R. K. (2019). Dystocia due to Schistosoma Reflexus in a Murrah buffalo-Case Report. *International journal of Agricultural Sciences*. **11**(**20**): 9160-61. (NAAS – 4.20) 3. **Gyan Singh**, Dutt, R. Patil, S., Yadav, V., Sharma, K. and Jain, V. K. (2019). Dystocia due to lipomatous fetus accompanying with muscular pseudohypertrophy and dropsy of fetal membranes in a buffalo-Short Communication. *Explor. Anim. Med. Res*. **9**(**1**): 97-99. (NAAS – 4.27) 4. **Gyan Singh**, Amit Kumar, Sandeep Kumar and V.K. Jain (2020). Dystocia due to lateral deviation of head in a Murrah buffalo. *International Journal of Agriculture Sciences.* 12(7): 9710-9711. (NAAS – 4.20) 5. **Gyan Singh**, Arjun, V., Hariom, Kumar, A., and Dutt, R. (2019). Dystocia due to pre-cervical uterine torsion and fetal ascites in a cross-bred jersey cow-case report. *Veterinary Research International*.**7**(**1**): 40-41. (NAAS – 4.58) 6. Gyan Singh, Amit Kumar, Ravi Dutt, V. Arjun and Jain, V. K. 2020. Chemical Castration in Animals: An Update. *Int.J.Curr.Microbiol.App.Sci.* 9(04): 2787-2807. (NAAS- 5.38) 7. Kumar, A., Gyan Singh, Arjun, V., Hariom, Jain, V. K. and Chandolia, R. K. (2019). Dystocia due to hydroallantois and congenital foetal ascites in a Murrah

	buffalo - A Case Report. *Int. J. Curr. Microbiol. App. Sci.,* **8** (**11**): 851-54. (NAAS – 5.38) 8. Patil, S., Kumar, P., **Gyan Singh**, Bala,R., A. Jerome, Patil, C. S., Kumar,D. and Sharma, R. K. (2020).Semen dilution effect' on sperm variables and conception rate in buffalo. *Animal Reproduction Science.* 214(106403):1-12. (NAAS – 8.22) 9. Dutt, R., Seema, Gahalot, S. C., Yadav V. and **Gyan Singh** (2019). Per-vaginal delivery of a bull dog calf monster in a Murrah buffalo - Case Report. *Buffalo Bulletin*. **38**(**4**):687-89. (NAAS – 6.10) 10. Dutt, R., **Gyan Singh**, Saini, A. and Kumar, S. (2019). Per-vaginal delivery of homozygous ascitic twin female fetuses in a primiparous murrah buffalo: A RARE CASE. *Buffalo Bulletin*. **38**(**4**): 691-93. (NAAS – 6.10) 11. **Gyan Singh**, Ravi Dutt, Dhaka, A. P., Yadav, V. and Jain, V. K. (2019). Dystocia due to crooked calf disease associated with partial aphalangia of limbs in a Murrah buffalo-a case report.*Veterinary Practitioner*. **20**(**1**): 110-111. (NAAS – 4.45) 12. Gyan Singh, Ravi Dutt, Sandeep Kumar, A. K. Pandey, Rishipal Yadav and V.K. Jain (2020). Ultrasonographic diagnosis of embryonic mortality in Murrah buffaloes. *Veterinary Clinical Science.* 8(2): *30-32.* (NAAS- Not Assigned) 13. Ravi Dutt, Gyan Singh, Rishipal Yadav, Pardeep Dangi and Gitesh Saini. (2020). Surgical management of Monocephalic Thoracopagus Tetrabrachius Tetrapus Dicaudatus Monster in Murrah Buffalo. *Life Science Leaflets*.121:15-17. (NAAS – 3.98) 14. Rishipal Yadav, Gitesh Saini, Ravi Dutt, Pradeep Dangi, V. Arjun, and Gyan Singh. (2020). Per-vaginal

	delivery of a live dicephalic fetus in a Murrah buffalo. *Haryana. Vet.* 59 (SI), 150-151. (NAAS – 5.36) 15. Gyan Singh, Rishipal Yadav, Pradeep Dangi, Ravi Dutt and Sandeep Kumar (2020). Successful management of dystocia due to live dicephalic fetus in a non-descript cow: A case report. *Veterinary Clinical Science.* 8(**1**): 3-4. (NAAS- Not Assigned) 16. Vinay Yadav, R. K. Chandolia, Ravi Dutt, AmarjeetBisla, Gitesh Saini and Gyan Singh (2020). Effect of Estrus Synchronization using AVIKESIL-S® with eCG on the Reproductive Efficiency in Crossbred Ewes. *International Journal of Livestock Research.* 10 (3): 49-59. (NAAS – NA) 17. Sarita, R.K. Chandolia, Ravi Dutt, Gyan Singh and Jasmer Dalal (2020).Ultrasonographic evaluation of maternal heart during pregnancy and after parturition in beetal goats. *Haryana Vet.* (March, 2020) 59(SI): 45-48. (NAAS – 5.58) 18. Gyan Singh and Amit Kumar (2020). Garbhavastha ke dauran bhaison me dhyan dene yogye kutch mahatavpuran bindu. Pashudhan Gyan. 1: 1-2. 19. Amit Kumar, Gyan Singh and Sandeep Kumar (2020). Pashuon thatha manushion me brucellosis ke karan, lakshan, nidan avem upchar. Pashudhan Gyan. 1: 26-27. 20. Gyan Singh and Amit Kumar (2019). Dystocia due to dicephalic monster in a cow. *The Indian Journal of Animal Reproduction* 40(2): 64-65 (NASS-) 21. Gyan Singh, Amit kumar, Neeraj Arora and Arjun V. (2020) Successful Management of Pyometra in a Labrador Retriever. A Clinical Case Report. *International Journal of Current Microbiology and Applied Sciences, 9*(10):3823-27.

	22. Gyan singh, R. N. Chaudhary, Rishipal Yadav, Pooja Yadav, Ram Niwas, Dinesh Dhamiwal, Sandeep Panihar, Pardeep Dangi, Gitesh Saini and Harender Singh (2019). Dystocia due to Lateral Deviation of Head in Mare – A Case Report. *The Indian Journal of Animal Reproduction,*40(2): 51-52 23. Gyan Singh, Rajesh Kumar, Amit Kumar and Arjun, V. (2020) Surgical management of dystocia in a non-descript doe-a case report. *Veterinary Research International*, 08 (03): 299-301 24. Gyan Singh, Rajesh Kumar, Amit Kumar and Mukesh Kumari (2020). Management of Dystocia due to Primary Uterine Inertia in Bitch: A Case Report. *Theriogenology Insight*, 10(1): 01-04. **25.** Gyan Singh, Rajesh Kumar, Amit Kumar, Arjun V, Hariom and VK Jain (2020). Arthrogryposis multiplex congenita in an ewe: A case report. *The Pharma Innovation Journal*, SP-9(7): 230-232. **NASS Rating – 5.32** 26. Gyan Singh, Rishipal, Ravi Dutt and R. K. Chandolia (2020). Monstrosities as a cause of dystocia- a study of 13 cases. *Veterinary Practitioner*, 2(1): 103-106. **NASS Rating – 5.10** 27. Rajesh Kumar, Amit Kumar and Gyan Singh (2020). Cytobrush: A novel technique to diagnose cytological endometritis in bovines. Review Article. *International Journal of Agriculture Sciences*, 12(20):10279-10281. 28. Ravi Dutt, Gyan Singh and Arjun, V. (2020). Per-vaginal delivery of bulldog calf monster accompanying with hydrocephalus in a murrah buffalo. *Veterinary Clinical Science***,** July-September, 8(03): 71-72 29. Rishipal Yadav, Pooja Yadav, Gyan Singh, Sandeep Kumar, Ravi Dutt and A. K. Pandey (2021). Non-

	infectious Causes of Abortion in Livestock Animals- A Review. *International Journal of Livestock Research*, 11(2):1-13. 30. Vinay Yadav, Ramesh Kumar Chandolia, Ravi Dutt, Amarjeet Bisla, Gitesh Saini, Gyan Singh and L.C. Ranga (2020). Effect of Ovsynch Estrus Synchronization Protocol on Fertility in Crossbred Ewes. *Journal of Animal Research*, 10(4):543-549. NAAS rating – 5.43 31. Sarita Yadav, R.K. Chandolia, Jasmer Dalal, Ravi Dutt and **Gyan Singh** (2021). Ultrasonographic evaluation of maternal liver and kidney with certain biochemical parameters during and after pregnancy in Beetal goat. *Haryana Vet.* (April, 2021) **60(SI)**, 73-78. NAAS rating – 5.58 32. Amit Kumar, Gyan Singh, Jerome A, Pradeep Kumar, Arjun V, Renu Bala, Nisha Verma and R.K. Sharma (2021). IGF-1 Supplementation in semen affects mitochondrial functional and calcium status of buffalo sperm following cryopreservation. *Animal Reproduction Science*, 231:106783 pp 1-8. NAAS rating – 8.22 Popular article 33. Gyan Singh, Sandeep Kumar and Rishipal Yadav (2021). Bhaiso me phool dikhana. Pashudhan Gyan, January, 45-46. 34. Gyan Singh, Sandeep Kumar, Pradeep Dangi and Rishipal Yadav (2021). Bhaiso me byate smay dhyan rakhne yogye batne. Pashudhan Praharee, 45: 1-5. 35. Amit Kumar and Gyan Singh (2020). Feeding of Dam during Postpartum Period to Augment Fertility in Bovines: A Scientific Approach. Dairy cattle.

	36. Gyan Singh, A.K. Pandey, Rishipal Yadav, Pradeep Dangi and Maneesh Sharma (2021). Dystocia Due to Cephalothoracophagus Monster In A Murrah Buffalo – Case Report. *Ruminant Science*, (10) 1: 223-224. NAAS Rating – 5.47 37. Gyan Singh, Rishipal Yadav, Sandeep Kumar, Vinay Yadav and Gaurav Kumar (2021). Dystocia Due to Fetal Anasarca with Normal Live Fetus in Co-Lateral Uterine Horns In A Labrador Bitch– A Case Report. *Indian Journal of Animal Reproduction*, (41) 2: 62-63. 38. Rishipal Yadav, Gyan Singh, Dinesh, Sonu Kumari, Ravinder Saini and Ramesh Kasotiya. (2021). Tumour Like Growth in Vagina of Buffalo -A Case Report. *Veterinary Practitioner*, (22)1: 43-44. NAAS Rating – 5.10 39. Rishipal Yadav, Gyan Singh, Pooja Yadav, AK Pandey, Ravi Dutt, Sonu Kumari and Sandeep Kumar (2021). Uterine torsion in Murrah buffaloes: A study of one year. *Ruminant Science*, (10)1: 225-228. NAAS Rating – 5.47 40. Amit Kumar, Gyan Singh, Jerome A, Pradeep Kumar, Arjun V, Renu Bala, Nisha Verma and R.K. Sharma. (2021). IGF-1 supplementation in semen affects mitochondrial functional and calcium status of buffalo sperm following cryopreservation. Animal Reproduction Science, 231:1-8. NAAS Rating-8.15 41. Gitesh Saini, Sandeep Kumar, A.K. Pandey, Vinay Yadav, Gyan Singh and Yogesh Banger (2022). Effect of presynchronization with simultaneous Gnrh and PGF2alpha administration prior to ovsynch on second service conception rate in anestrus indigenous cow. *Haryana Vet.*, **61(SI):** 111-113. Short communication. NAAS rating – 5.58

	Popular article 42. Amit Kumar and Gyan Singh (2021). **कृ□_म गभा_धान के उपयोग से संभा□वत लाभ. Krishi Jagran. 1-2** 43. Saini, G., Singh, G., Pandey, A.K., Kumar, S., and Ravish, S. (2021). Comparative Efficacy of D-Cloprostenol and DL-Cloprostenol on Cervical Dilatation after Detorsion in Buffaloes. *The Indian J. Anim. Reprod.* ***42*****(2)**: 48–50. 44. Kumar, H., Singh, G., Pradeep and Dalal, J. (2021). Dystocia Due to Dicephalus Tetrabrachius Thoracopagus Dipus Dicaudatus Monster in a Murrah Buffalo: A Case Report. *The Indian J. Anim. Reprod.* **42(2**): 91–93. 45. Kumar, P., Pandey, A. K., Kumar, S., Pradeep, Saini G., Hitesh, and Singh, G. (2023). Impact of Doublesynch and Ovsynch Protocols, Preovulatory Follicle, Estradiol and Luteal Profiles on Fertility in Cyclic Murrah Buffaloes during Breeding and Compromised-Breeding Season. *The Indian J. Anim. Reprod.* **43(1)**: 50–56. 46. Kumar, S., Pandey, A. K., Pradeep, Saini G. and Singh, G. (2022). Dystocia due to hydrocephalus fetus in Murrah buffalo and its obstetrical management. *The Indian J. Anim. Reprod.* **43(1)**: 90–91. 47. Saharan, S., Singh*, G., Poonia, A., Jinagal, S., Yadav, U. and Ravish, S. (2022). A rare case of single pup syndrome in non-descript breed of she dog - Case Report. *Vet. Practi.* **23(2)**: 452-53. (**NAAS** = **5.10**). 48. Singh*, G., Hariom, Dutt, R., Kumar, A. and Venkateshappa, A. (2022). Dystocia due to dicephalic dipus dibrachius monster in a Murrah buffalo - Case Report. *Buff. Bull.* **41(3)**: 417-21. (**NAAS** = **6.20**).

	49. Yadav*, R., Singh, G., Yadav, P., Dangi, P., Magotra, A., Malik, R., Bidhan, D., Sharma, M., Kumar, S. and Kumar, T. (2023). Comparative evaluation of valethamate bromide and hyoscine butyl bromide on cervical dilatation in water buffaloes after detorsion. *Indian J. Anim. Sci.* **93(3)**: 256–261. (**NAAS** = **6.29**). 50. Singh, G. and Kumar,* A. (2019). Dystocia due to dicephalic monster in a cow**.** *The Indian J. Anim. Reprod.* **40(2)**:65-66. 51. Kumar, S., Pandey, A.K., Pradeep, Saini, G., Saini, G., Ravish, S. and Dinesh. (2022). Dystocia associated with red bag delivery in mare - A rare case. *Haryana vet*, **61(2)**: 91-92. (**NAAS** = **5.58**). 52. Yadav*, R., Singh, G., Yadav, P. and Dangi, P. (2022). Efficacy of sodium carboxymethyl cellulose massage for cervical dilatation in torsion detorted buffaloes. *Indian J. Anim. Health.* **61(2)**: 341- 347. (**NAAS** = **5.25**). 53. Yadav*, R., Yadav, P. and Singh, G. (2022). Cervical dilatation in bovines and potential drug therapy for incomplete cervical dilatation – A review. *Indian J Anim. Health*. **61(2)**: 219 - 227. (**NAAS** = **5.25**). 54. Singh, G., Yadav, R., Kumar, S., Hitesh and Pandey, A. K. (2023). Microbial prevalence and Antimicrobial sensitivity in dairy animals suffering from purulent vaginal discharge. *The Indian J. Anim. Reprod.* **43(2)**:16-19. Popular article 55. Pradeep, Singh, G. and Kumar, S. (2023). **parsav ke purv, dauran evm parsav ke pashhat mada pasu ka rakh rakhav. Pashdhan Gyan, 39**

	56. Dalal, J. and Singh, G. (2023). Dystocia due to hydrocephalus monster in a Murrah buffalo. *Indian J. Anim. Reprod.* **44**(**2**):99-100. 57. Kumar, A., Singh, G., Jerome, A., Kumar, P., Venkateshappa, A., Bala, R., Verma, N., Patil, C.S. and Sharma, R.K. (2023**).** Inter-relationship of peripheral hormones (IGF-1, Testosterone and Growth Hormone) with reproductive traits in male buffalo. *Buff. Bull.* **42(4)**: 467 - 477. NAAS Rating – 6.20 58. **Dutt, R. and Singh, G. (2023).** Ultrasonographic diagnosis of reproductive disorders in Murrah buffaloes - Short Communication. *Buff. Bull.* **42**(**3**): 327 - 335. NAAS Rating – 6.20 59. Yadav, R., Singh, G. and Yadav, P. (2023). Unlocking physiological transformations in riverine buffaloes following uterine torsion correction. *Indian J. Anim. Sci.* **93** (**12**): 1155–1159. NAAS Rating – 6.40 60. Yadav, R., Yadav, P. and Singh, G. (2023). Uterine torsion in buffaloes - A complete review. *Buff. Bull.* 42(4): 479 - 490. NAAS Rating – 6.20 61. Singh, G. and Yadav, R. (2023). Gay – bhainsh me Garbhavastha ke lakshan, Garbh ki janch evm garbhit pashu ki dekhbhal. Parajanan se utpadan tak: Pashupalak Margdarshika. Pashu mada rog evm persuti vibhag, CoVSC, Luvas - Hisar p13-16 62. Kumar, Ashok, Meenakshi Virmani*, Rakesh Kumar Malik, Gyan Singh, Ankit Magotra, and Arushi Kanwar (2022). Study on effect of Withania somnifera (ashwagandha) root powder supplementation on semen quality". Ruminant Science: 11(1): 213-17.

	63. Dutt, R., **Singh, G.,** Kumar, N., Anil and Dalal, J. (2024**).** Dystocia due to fetal mal-disposition in a mare. *Vet. Pract.* **25(2)**: 187 - 188. NAAS Rating – 4.86 64. Dutt, R., Anil, Garbhit, Bulbul, Kumar, V., Niwas, R., Dalal, J. and **Singh, G.** (2025). Surgical management of over-gestation in a female dog: A case report. *Anim. Reprod. update*, 5(**1**):1-3. 65. Kumar, A., Kanaka, K.K., Mehta, H., Thakur, N. S. and Singh, G. (2025). A Review of Current Challenges, Influential Factors, and Advancements in Goat Semen Cryopreservation. *Archives of Current Research International*, 25 (**3**):398-411. 66. **Gyan Singh,** Ravi Dutt, Sandeep Saharan, Jasmer Dalal and Ramesh Kumar Chandolia (2017). Dystocia due to dog sitting posture with lateral deviation of head in a mare. *Theriogenology Insight*. 7(1): 1 - 4 67. J. Dalal, A. Saini, P. Gunwant, A. K. Pandey, **G. Singh** and R. K. Chandolia. (2016). Episiotomy to relieve dystocia due to vulvar stenosis and persistent hymen in a cross bred cow heifer. *Indian Journal of Animal Reproduction*. 37(2):69-70 68. Devender, R.K. Chandolia, **Gyan Singh,** A. K. Pandey and Sonu Kumari (2016). Comparative study of echogenicity of fetal fluid in normal and uterine torsion affected buffaloes. *Haryana*

	Veterinarian. 55(2): 176-178 69. Dalal, J. and **Gyan Singh**, (2017). Dystocia due to emphysematous fetuses in a non-descript goat. Haryana Vet. 56 (1): 109-110. 70. **Gyan Singh**, R. K. Chandolia, Ravi Dutt, Jasmer Dalal, Anil Saini and R. K. Malik. (2018). Two dimensional trans-rectal ultrasonographic studies in early pregnant Murrah buffaloes. *Indian Journal of Animal Sciences*. 88 (1): 59–64. (**NAAS Rating : 6.19)** 71. **Gyan Singh**, R. K. Chandolia, Ravi Dutt, Jasmer Dalal, Anil Saini, R. K. Malik and S. K. Chhikara. (2017). Trans-Abdominal Ultrasonography during Second and Third Trimester in Pregnant Murrah Buffaloes. *International Journal of Livestock Research*. 7 (12): 174 - 185. (**NAAS Rating : 5.36)** **72.** Ravi Dutt, **Gyan Singh**, Subhash Chand Gahalot , Vinay Yadav, Shivanagouda S Patil, Nitin Soni, Aman Dhaka and Jasmer Dalal. (2017). A rare case of uterine torsion in a five months pregnant cow and its successful management through left flank caesarean section. *International Journal of Science and Nature*. 8 (4): 922 – 925. (**NAAS Rating : 3.70)** **73.** Dutt R, Dalal J, **Singh Gyan** and Gahalot, S.C. (2018). Management of fetal mummification/maceration through left flank caesarean section in cows - study of four cases. *Advances in Animal and Veterinary Sciences*. 6(1): 12-16. (**NAAS Rating : 4.04)** 74. Dutt R, **Singh Gyan**, Gahalot S.C., Sharma K., Yadav V. and Patil, S.S. (2017). Successful management of a rare case of dystocia due to narrow pelvis associated with

	pelvic fracture in water buffalo. *Research Journal for Veterinary Practitioners.* 5(3): 34-36. (**NAAS Rating: 3.80)** 75. Subhash Chand Gahalot, Ravi Dutt, **Gyan Singh**, S.S. Patil and Vinay Yadav (2018). Diagnostic approaches to brucellosis in animals: An overview. *Indian Farmer.* 5(**02**): 224- 226. 76. Amarjeet Bisla, Vinay Yadav, Ravi Dutt, **Gyan Singh** and Subhash Chand Gahalot. (2018). Fertility Augmentation Approaches in Dairy Animals - A Review. *Int. J. Curr. Microbiol. App. Sci*,. 7**(2**): 2995-3007. (**NAAS Rating: 5.38)** 77. Rajesh Kumar, A.K. Sharma, **Gyan Singh** and Ravi Dutt. (2018). Effects of Coumestrol treatment on spermatogenesis in dogs. *Int. J. Curr. Microbiol. App. Sci*, .7(**2**): 2606-2610. (**NAAS Rating: 5.38)** 78. **Gyan Singh**, R.K. Chandolia and Ravi Dutt (2017). Comparative study of parasitic load in cyclic and non cyclic Murrah buffaloes. *Veterinary Practitioner*. 18(**2**): 257-258. (**NAAS Rating: 5.0)** 79. Dutt, R., **Singh, G**., Gahalot, S.C., Yadav, V., Patil, S.S. and Sharma, K. (2018). Fetal maceration in a cross-bred Holstein Friesian cow - A Case Report. *Int. J. Pure App. Biosci.* 6(1): 1288-1290. (**NAAS Rating: 4.74)** 80. **Gyan Singh**, R. K. Chandolia, Ravi Dutt and R.K. Malik. (2017). Comparative study of Haemoprotozoan and Haematological examination in cyclic and non-cyclic Murrah buffaloes at an organised dairy farm.

	Veterinary Practitioner. 18 (1): 35-36. **(NAAS Rating: 5.0)** 81. Anil Saini, **Gyan Singh** and Ravi Dutt. (2017). Per-vaginal delivery of conjoined twin monster by obstetrical intervention in a Murrah buffalo. *Veterinary Practitioner*. 18 (**1**): 37-38. **(NAAS Rating: 5.0)** 82. **Gyan Singh**, Devender, Jasmer Dalal and Ravi Dutt. (2017). Dystocia due to lateral deviation of head in mare - A case report. *Veterinary Practitioner*. 18 (1): 40. (**NAAS Rating: 5.0)** 83. **Gyan Singh**, R.K. Chandolia, Ravi Dutt, A. Saini and R. K. Malik. (2018). Characteristics of middle uterine artery and fetal umbilical blood flow in pregnant Murrah buffalo. *Indian Journal of Animal Reproduction*. 39 (**1**): 11-14. (**NAAS Rating: 3.43)** 84. Ravi Dutt, **Gyan Singh**, Mahavir Singh, Maneesh Sharma, Jasmer Dalal and R.K. Chandolia. (2017). Diagnosis of Subclinical Endometritis in Murrah Buffaloes through Cytobrush Technique. *Int. J. Curr. Microbiol. App. Sci.,* **6** (11): 494-499. (**NAAS Rating: 5.38)** 85. **Gyan Singh**, R.K. Chandolia, Ravi Dutt, Anil Saini, Jasmer Dalal and R.K. Malik. (2017). Comparative Study of Follicular Turn Over in Cyclic and Non-Cyclic Murrah Buffaloes through 2D Trans-Rectal Ultrasonography. *Int. J. Curr. Microbiol. App. Sci*., **6**(11): 3590-3602. (**NAAS Rating: 5.38)**

	86. Pinki Rani, R.K. Chandolia, Ravi Dutt, Nitin Soni, S. S. Dhaka, Sandeep Kumar, A. K. Pandey and **Gyan Singh**. (2018). Ultrasonographic assessment of embryonic mortality in cows. *International Journal of Current Microbiology and Applied Sciences*. 7 (6):387-399. **(NAAS rating 5.38)** 87. Ravi Dutt, Jasmer Dalal, Vinay Yadav, Subhash Chand Gahalot, Shivanagouda S Patil, **Gyan Singh** and Aman Parkash Dhaka. Dystocia due to foetal muscular hypertrophy and its successful management through fetotomy in a riverine buffalo (*Bubalus bubalis*). *Exploratory Animal and Medical Research.* 8 (1):118-119. **(NAAS rating 4.27)** 88. **Gyan Singh**, Ravi Dutt**,** Vinay Yadav and S.S. Patil. (2018). Successful management of dystocia due to dicephalus fetal monster in a Murrah buffalo. *International Journal of Science and Nature.* 9 (2): 258-259. (**NAAS rating 3.70**) 89. **Gyan Singh**, Ravi Dutt, Neeraj Arora, S.S. Patil and A.K. Pandey. (2018). Successful management of urethral calculus in a mare by manual lithotripsy. *International Journal of Pure and Applied Bioscience*. (June issue- In press) (**NAAS rating 4.74**) 90. Pinki Rani, R.K. Chandolia, Ravi Dutt, Nitin Soni, Anand Kumar Pandey, Gyan Singh, Sandeep Kumar and Dhaka, S.S. (2018). Circulating Progesterone Concentrations in Cows during Early Pregnancy and Embryonic Mortality Condition.

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	112. Ravi Dutt, Arjun V, Hariom and Gyan Singh (2019). Dystocia due to dicephalic fetus in a cross bred Jersey cow. *International Journal of Agriculture Sciences.* 11 (10): 8509-8510. (NAAS rating 4.82) 113. Gyan Singh, Ravi Dutt, Vinay Yadav and S.C. Gahalot (2019). Bull dog calf monstrosity associated with anasarca in Murrah buffalo calf- a case report. *Haryana Veterinarian.* 58 (SI):137-138. (NAAS rating 5.36) 114. Gyan Singh, Ravi Dutt, Sandeep Kumar, Sonu Kumari and R.K. Chandolia (2019). Gynaecological problems in she dogs: review article. *Haryana Veterinarian.* 58 (SI):8-15.
IPRs granted	-
Awards/fellowship/recognition received	Got R.D. Sharma Memorial award 2021. 16/11/2022 in recognition of meritorious contribution to the research in animal reproduction under the seal of society by resolution of the executive committee in the XXXVIIth national symposium on "Optimizing animal reproduction through recent techniques of biotechnology, nutraceuticals and alternative medicine" and annual convention of ISSAR organised by the Department of Veterinary Gyanecology and Obstetrics, College of Veterinary Sciences and animal Husbandry, NDVASU, Jabalpur (M.P). As Co-author got N.C. Sharma Memorial award 2022, 06/12/2023. In recognition of meritorious contribution to the research in animal reproduction on 6th December 2023 under the seal of society by resolution of the executive committee in the XXXVIIIth Annual convention and International

	Symposium on "Frontiers in Theriogenology- Research and Practice" organised by Department of Animal Reproduction Gynaecology and Obstetrics at the college of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala under the aegis of Indian Society for the Study of Animal Reproduction (ISSAR) from 6-8/12/2023. As Co-author got Third prize in best oral presentation of abstract in SVSBT, Indore- 2023, for the paper entitled "Dystocia due to foetal cause in buffaloes- a studies of 15 cases in the scientific session on Clinical Sciences of the **national** symposium on Recent Biotechnological advances in health and management of livestock, poultry and companion animals held at COVSC and Animal Husbandary, Mhow, NDVSU, Jabalpur (M.P.) during 05-07 October, 2023. As Co-author got Second prize in best oral presentation of abstract in ISSAR, 2023 in the XXXVIIIth Annual convention and **International** Symposium on **"Frontiers in Theriogenology- Research and Practice"** organised by Department of Animal Reproduction Gynaecology and Obstetrics at the college of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala under the aegis of Indian Society for the Study of Animal Reproduction (ISSAR) from 6-8/12/2023. As Co-author got First prize in best oral presentation for the abstract entitled as "Naturally infected *Hepatozoon canis* in dogs; Hospital based occurrence. In technical session – II at Annual convention of Veterinary internal & preventive medicine Society & **National** symposium on Advancing Veterinary Medicine for Holistic Development of Animal Health and productivity with a one health approach" organised by Division of Veterinary Medicine, FVSc & AH, SKUAST-

	Jammu, R.S. Pura, Jammu, UT of J&K during 18-19th December, 2023. As Co-author got second best oral presentation for the abstract entitled as "Retrospective study on hospital based occurrence of mastitis and its associated factors in buffaloes" in XXIVth Indian Veterinary Congress and XXXIst Annual conference of IAAVR and National symposium on "Livestock Health and poultry: A Paradigm Change to Maximize Productivity for sustainable farmers Livelihood jointly organised by LUVAS-Hisar - India from 7-8 Feb. 2024. As Co-author got First best poster presentation award in session II in XXIVth Indian Veterinary Congress and XXXIst Annual conference of IAAVR and National symposium on "Livestock Health and poultry: A Paradigm Change to Maximize Productivity for sustainable farmers Livelihood jointly organised by LUVAS- Hisar - India from 7-8 Feb. 2024. As Co-author got First prize for best oral presentation in session - **Clinical Science**, during IInd Veterinary and Animal Science Congress and IInd Annual convention of Association of animal scientists & National symposium organised by Apollo college of Veterinary Medicine Jaipur & Association of animal scientists from 17-19 Feb., 2024. As Co-author got first prize for best oral presentation in session – **Wild Life Science** during IInd Veterinary and Animal Science Congress and IInd Annual convention of Association of animal scientists & National symposium organised by Apollo college of Veterinary Medicine Jaipur & Association of animal scientists from 17-19 Feb., 2024.

	As Co-author got **First best poster** award for the poster entitled, "Dystocia in buffaloes: A Study of 20 cases." authored by Kumar, N., Vishal., Dutt, R., **Singh, G.,** Kumar, S., Pandey, A.K., Anil and Amandeep in 24th Indian Veterinary Congress, 31st Annual Conference of IAAVR & National Symposium on "Livestock Health and Poultry: A Paradigm Change to Maximize Productivity for Sustainable Farmers' Livelihood" organised by Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana on 7-8 February 2024. As Co-author got **Third best poster** award for the poster entitled, "Economic Advantages of utilizing sexed semen for enhanced cattle breeding and farmer prosperity." authored by Kumar, M., Amandeep, Jasmer, Dutt, R., Pandey, A.K. Kumar, S. and **Singh, G**. in 24th Indian Veterinary Congress, 31st Annual Conference of IAAVR & National Symposium on "Livestock Health and Poultry: A Paradigm Change to Maximize Productivity for Sustainable Farmers' Livelihood" organised by Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana on 7-8 February 2024. Got second best oral presentation award as co-author Tarun Kumar, Reman Mor, Ritik Koul, Ankit Kumar, Maneesh Sharma, Divya Agnihotri, **Gyan Singh** and Neelesh Sindhu (2024). Pattern of occurrence of important clinical conditions in equines at a referral veterinary hospital: a short study in Vth Annual Convention of Veterinary Internal & Preventive Medicine & International Symposium on — Headway in Veterinary Medicine: Improving Animal Health and Productivity with Respect to Antimicrobial Resistance November 22-23, 2024 jointly organised by Department of Veterinary Medicine and College of Veterinary and Animal

	Sciences, Sardar Vallabhbhai Patel University of Agriculture and technology, meerut-250110, U.P. (EWA-o-13). Got First Poster presentation award as co-author Kumar, T., Kaul, R., Pooja Sharma, M., Sindhu, N., Agnihotri, D. and Singh, G. (2025) entitled as "Therapeutic potential of Romiplostin for managing canine thrombocytopenia : A Short study" in VIth session at 41st Annual Convention of Indian Society for Veterinary Medicine and National Conference on "Futuristic Approach in animal health care and welfare through specialty medicine, digital health technologies and artificial intelligence" held at FVSc & AH, SKUAST-Jammu during 17-19 Feb., 2025. Got Third oral presentation award as co-author Kumar, T., Kaul, R., Sharma, M., Sindhu, N., *et al.*, (2025) entitled as "Clinical evaluation of intravenous iron sucrose in anemic dogs: A short study" in VIIth session at 41st Annual Convention of Indian Society for Veterinary Medicine and National Conference on "Fututeristic Approach in animal health care and welfare through specialty medicine, digital health technologies and artificial intelligence" held at F.V.Sc. & A.H., SKUAST-Jammu during 17-19 Feb., 2025. Got second best oral presentation award as co-author Saharan, S., Poonia, A., Kumar, A., Tiwari, D., Sindhu, N., Kumar, T., Sharma, M. and Singh, G. (2024) for the research entitled " Ultrasonography: A deciding tool for surgical treatment in male buffaloes suffering from obstructive urolithiasis" in the technical session "Health & Diseases" in the National Symposium of Indian Society for buffalo development on

	"Innovative Approaches for boosting buffalo productivity" (ISBD-2024) organized by Department of Animal Genetics & breeding, College of Veterinary Science and animal husbandry, Kamdhenu University, Anand during 16-18 December, 2024. Got certificate of merit for best poster presentation in the session "Digitization in livestock health production and reproduction in in 25th Indian Veterinary Congress & 32nd Annual Conference of IAAVR & National Symposium on Expending Veterinary Profession in India: Growth and challenges for animal health and production scientist for robust livestock economy and farmer's welfares from 7-8th Feb., 2025 jointly organized by Apollo College of Veterinary Medicine, Jaipur (Rajasthan) and Indian Association for the Advancement of Veterinary Research (IAAVR). Best Poster Presentation award, Dec., 2016, "2D trans-rectal ultrasonography study up to 90 days of pregnancy in Murrah buffaloes: a relevant and more accurate approach for pregnancy diagnosis" authored by **G. Singh**, R.K. Chandolia, Ravi Dutt, J. Dalal, A. Saini and R.K. Malik in 32nd Annual Convention of ISSAR and National Symposium on "Animal Fertility and Fecundity at crossroads: Addressing the issues through conventional and advanced reproductive technologies" organized by department of Veterinary Gynaecology & Obstetrics, COVSc, SVVU Tirupati from 6 to 8 Dec., 2016. Best poster presentation award, April, 2017, Dystocia due to emphysematous fetuses in non-descript goat" authored by Jasmer Dalal, **Gyan Singh**, Ravi Dutt and Anil Saini in 17th Indian Veterinary Congress and XXIV Annual conference of IAAVR & National symposium on Newer Generation Vaccines, Diagnostics for Improvement of Animal Health & Productivity vis-à-vis Genomic

	Interventions for the social Benefit, 08-09 April 2017, held at IVRI, Izatnagar (UP) India. Academic Excellence award, Dec., 2017, Academic Excellence award for 3rd rank in Ph.D. degree from 2013-2016, was awarded by LUVAS, Hisar on dated 01/12/2017. Best poster presentation award, Dec., 2018, Got Best poster presentation award on "Assessment of reproductive disorders with ultrasonography" in XXXIVth Annual Convention of Indian Society for Study of Animal Reproduction (ISSAR) and International Symposium on "Productivity Enhancement through Augmenting Reproductive Efficiency of Livestock for Sustainable Rural Economy held at AAU, Anand (Gujarat) on dated 28 to 30 Dec,. 2018. Got IIIrd prize in Krishi Mela (Kharif) for demonstration valuable good and technologies in Agro-industrial exhibition March 12-13, 2019.
Members of professional Scientific Societies	**Life member of Indian Society for the study of Animal Reproduction** **Life member of Indian Journal of Veterinary Research** **Life member Veterinary Practitioner**
Editorial board of scientific journal	The Haryana Veterinarian Journal
Reviewer of scientific journals	Veterinary Record
Any other (if any)	--