

Individual faculty information

1. Name & Designation: Dr Vijay Singh, Professor & Head

2. Highest qualifications: PhD

3. Specialization/ Area of interest:

- a. Frozen semen technology
- b. Embryo transfer technology
- c. Infertility in farm and companion animals



4. Contact details (Mobile No & Email address):

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Mobile no. 9458244024

a. Name & Designation: Dr Vijay Singh, Professor & Head

b. Academic qualification

Degree	Institute/University	Year	Subject
PhD	G.B. Pant University of Agriculture & Technology, Pantnagar-263153, Uttarakhand, India	2006	Veterinary Gynaecology & Obstetrics
MVSc	Chaudhary Charan Singh Haryana Agricultural University, Hisar-125004, Haryana	1992	Veterinary Gynaecology & Obstetrics
BVSc & AH	Chaudhary Charan Singh Haryana Agricultural University, Hisar-125004, Haryana	1990	Veterinary Science & A.H.

c. Professional position held:

Designation	Period	University / Institution
Professor & Head (Veterinary Gynaecology and Obstetrics)	17-05-2018 to till date.	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110, Uttar Pradesh, India
Professor (Veterinary Gynaecology and Obstetrics)	17-05-2013 to 16-05-2018	Uttar Pradesh Pandit Deen Dayal Upadhyay Veterinary University & Go Anusandhan Sansthan, Mathura-281001, Uttar Pradesh, India
Associate Professor (Veterinary Gynaecology and Obstetrics)	17-05-2010 to 16-05-2013	Uttar Pradesh Pandit Deen Dayal Upadhyay Veterinary University & Go Anusandhan Sansthan, Mathura-281001, Uttar Pradesh, India
Associate Professor (Veterinary Gynaecology and Obstetrics)	16.06.2006 to 15.05.2010	Sri Venkateswara Veterinary University, Tirupati-517502, Andhra Pradesh, India
Assistant Professor (Veterinary Gynaecology and Obstetrics)	26.05.1994 to 15.06.2006	Sri Venkateswara Veterinary University, Tirupati-517502, Andhra Pradesh, India

d. Number of publication along with ten best publications in APA format:

Book Chapters: 15

Research Papers (national journal) –40

Review articles – 01

Papers presented- 20

Laboratory/ Training Manuals: 7

Research papers (international journals)–10

Lead papers/ Invited lectures: 02

Popular articles- 20

Ten Best Publications

1. Gangwar, C., Saxena, A., Yadav, S., Singh, S. P., Singh, V., Patel, A. (2019). Cryopreservation induced Sperm Cryoinjuries in Haryana Bull Semen. *International Journal of Livestock Research*, 9(6): 136-147.
2. Kumar, A., Mishra, A. K., Singh, V., Yadav, S., Saxena, A., Garg, S. K., & Swain, D. K. (2019). Molecular and functional insights into transient receptor potential vanilloid 1 (TRPV1) in bull spermatozoa. *Theriogenology*, 128: 207-217.
3. Gangwar, C., Saxena, A., Patel, A., Singh, S. P., Yadav, S., Kumar, R., & Singh, V. (2018). Effect of reduced glutathione supplementation on cryopreservation induced sperm cryoinjuries in Murrah bull semen. *Animal Reproduction Science*, 192: 171-178.
4. Gupta, R. K., Swain, D. K., Singh, V., Anand, M., Choudhury, S., Yadav, S., ... & Garg, S. K. (2018). Molecular characterization of voltage-gated potassium channel (Kv) and its importance in functional dynamics in bull spermatozoa. *Theriogenology*, 114: 229-236.
5. Singh, V., Misra, A. K., Kumar, S. & Barman, C. (2016). Cysteamine and β -mercaptoethanol supplementation improves the in vitro embryo development in buffaloes (*Bubalus bubalis*). *Indian Journal of Animal Research*, 50(3): 305-309.
6. Chauhan, A., Tiwari, M., Singh, S. P., Sharma, D., Kumar, S., Goel, R., ... & Singh, V. (2015). Association of PIT-1 gene polymorphism with milk production traits in Sahiwal cattle. *Indian Journal of Animal Sciences*, 85(6): 610-612.
7. Devendra, S., Vijay, S. & Atul, S. (2015). Study of semen characteristics of Murrah bulls during the process of freezing in two dilutors (GEYT & GEYC): a comparative study. *Veterinary Practitioner*, 16(1): 71-73.
8. Singh, V., Misra, A. K., Kumar, S. & Kumar, V. (2015). Effect of growth factors on in vitro maturation and in vitro culture of buffalo oocytes. *Ruminant Science*, 219.
9. Singh, V., Misra, A. K., Suresh, K. & Vijay, K. (2015). Effect of seasons on in-vitro maturation and cleavage of oocyte and in-vitro development of buffalo embryo. *Ruminant Science*, 4(1): 29-31.
10. Babu, G. N., Naidu, K. V., Rao, A. S. & Singh, V. I. J. A. Y. (2004). Certain reproductive parameters in large white Yorkshire pigs maintained with garbage feeding in rural areas. *Indian Journal of Animal Sciences (India)*.

e. Student guided/ Co- guided

Student	Guided (Number)	Co- guided (Number)
PG	10	20
PhD	NIL	02

f. Research project

Name of position	Name of project	Funding agency
Principal Investigator	Frozen preservation of embryos in Native Ongole cattle	DBT, Delhi
	Assessment of apoptosis and capacitation like changes in cryopreserved sperms of cattle and buffalo.	Institutional
CO-Principal Investigator	Rejuvenation and genetic improvement of Ongole breed: Pride of Andhra Pradesh through participatory approach using biotechnological innovations.	RKVY
	Multiplication and conservation of Haryana cattle and Bhadawari buffalo through modern technique of A.I.	RKVY
	Cryoprotective effect of low density lipoproteins in extenders on post thaw semen quality in pure bred Haryana bulls.	Institutional

	Development of follicle stimulating hormone eluting nano-suspension for multiple ovulation and embryo transfer for ex-situ conservation of elite Sahiwal cattle	UPCAR, Lucknow
	Establishment of embryo transfer laboratory for conservation of elite Sahiwal cows	RKVY
	Establishment of semen analytical laboratory for semen certification and quality assurance of breeding cattle and buffalo semen certification of Western Uttar Pradesh	RKVY
	Establishment of advanced centre for diagnosis and therapeutics of animal infertility	RKVY

g. Award/ Recognition

- 1) National scholarship in Matriculation examination in 1983.
- 2) University scholarship by MDU, Rohtak during 1983-1985.
- 3) 1st position in JRF examination of ICAR in 1989.