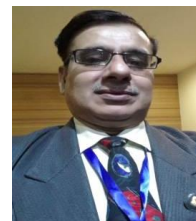


CURRICULUM VITAE



Name : **Dr. Suresh Kumar Dhoop Singh**
Designation : **Head of Division ,Cattle Physiology & Reproduction**
Father's Name : **Shri Dhoop Singh Dabas**
Date of Birth : **7th Feb., 1966**
Mailing Address : **Head of Division and Principal Scientist
Division of Cattle Physiology and Reproduction.
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Educational Qualification :

S. No.	Degree	Year	Institution
1.	B.V.Sc. & A.H.	1988	Guj. Agri. Uni., Gujarat
2.	M.V.Sc. (Vety. Obst. & Gynae.	1992	Guj. Agri. Uni., Gujarat
3.	Ph.D. (Vety. Gynae. & Obst.)	2000	G. B. Pant Uni. Of Agri. & Tech., Pantnagar (Uttarakhand)
4	DBT overseas Associateship Assisted Reproductive Technologies	2012	Institut Fur Nutztiergenetics, Institute of Farm Animal Genetics, Mariensee, Germany

Employment Record :

S. No.	Designation	Period	Organization
1.	Head of Division & Principal Scientist	27.10.2023 to Till date	Division of cattle Physiology & reproduction ICAR- CIRC Grass Farm Road Meerut Cantt. UP -250001
2.	Principal Scientist	27.10.2023 to 06/04/2015	ICAR- CIRC Grass Farm Road Meerut Cantt. UP -250001
3.	Principal Scientist	08/05/2009 to 31.03.15	ICAR RC for NEH Region, Umroi Road, Umiam, Meghalaya-793103
4.	Senior Scientist	15/12/06 - 06/05/09	ICAR RC for NEH Region, Sikkim Centre, Tadong, Gangtok

5.	Assoc. Professor (Vety. Clinics)	09/05/03 –16/06/06	G. B. Pant Uni. Of Agri. & Tech, Pantnagar
6.	Asstt. Veterinary Surgeon(M) /Vety. Officer	20/04/93 - 08/05/03 17/06/06-13/12/06	Municipal Corporation of Delhi
7.	Junior Lecturer	05/06/89 –13/04/93	Guj. Agri. Uni., Gujarat
8.	Veterinary Officer	29/08/88 –04/06/89	Guj. Dairy Dev. Corp.

Title of Ph.D. Thesis

Effect of Dimethyl Sulfoxide (DMSO) and 1,2-Propanediol (PROH) on Cryopreservation of early Buffalo Embryos.

Title of M.V. Sc. Thesis:

Studies on Seminal Characteristics and Biochemical Constituents in Patanwadi Rams and their Crosses.

Awards/ Fellowships/Associatships :

Sr. No.	DetaiName of the award / fellowship	Awarded by	Year of award
1.	Fakhruddin Ali Ahmed Award for Outstanding research in Tribal Farming System	ICAR, New Delhi.	2014
2.	Best Field Functionary Award	Ind Indian Society for Buffalo Development. (ISBD), Hisar, Haryana.	2018
3.	Eight Sisters North East Best LPM Research Award	Indian Society of Animal Production and Management (ISAPM).	2014
4.	DBT Overseas Associateship (NER)	Ins Institute of farm animal Genetics, Mariensee, Germany	2012
5.	Professor Nils Legerlof Memorial Award	Indian Society for the Study of Animal Reproduction (ISSAR)	2017
6.	Certificate of Appreciation	W World Buffalo Federation (Italy) during 7 th World Buffalo Congress held at Phillipines.	2004

7.	Certificate of Appreciation	G.B. Pant Univ. of A & T. Pantnagar, Uttrakhand.	2006
8.	Young Scientist Award	Indian Society for the Study of Animal Reproduction (ISSAR)	2000
9.	Senior Research Fellowship	Council of Scientific and Industrial Research (CSIR)	1997
10.	Young Scientist Award	Indian Society for the Study of Animal Reproduction (ISSAR)	1997
11.	Best paper presentation award	25th Annual Convention of Indian Society of Animal Production and Management	2018
12	First prize in Oral Presentation for the paper entitled “Sex Sorted Semen Application under Indian Field Conditions: A Viable Option for Cattle Improvement	International Symposium and XXXIII Annual Conference of the Society for Animal Physiologists of India (SAPICON 2025), Puducherry, from 25–27 February 2026.	2026
13	Second-best prize in the poster presentation at the conference Frontier Sciences and Technologies in Agriculture for a Developed India	17th Agricultural Science Congress, G. B. Pant University of Agriculture & Technology, Pantnagar	2025

Special Attainments :

Research papers Published	:	107
Popular articles	:	14
Leaflets	:	30
Awards	:	13
Paper presented	:	72
Patents	:	06
Countries visited	:	02
Seminar/ Symposium attended	:	75
Projects handled	:	28
Students Guidance	:	14
Books Authored	:	02

Patents :

1. Milking Pail and Vessel Set (Design Patent No. 416849-001 ,Dt: 14.05.2024)

2. An Improved Low Cost Portable Dummy Sow Assembly Unit with Matting Grunt Voice System (Patent No. 426896)
3. Dung Cake Maker (Design Patent No. 439725-001 , dt; 06.12.2024)
4. Bovi placenta clear Device (Design patent No.439724-001, April 2026)
5. Livestock Disease controlling device (Design patent No: 471857-001, dt 30/08/2025)

Publications:

1. **Kumar, S.,** Pande, M., Saha, S., Chand, N., Prasad, N., Arya, S., Mahajan, S., Singh, U., Dubey, S.K. and Mohanty, A.K., 2025. Augmented-OvSynch enhances estrus resumption, luteal function, and conception rates in postpartum Zebu crossbred cows under tropical smallholder systems. *Veterinary World*, 18(12), pp.4105-4116. **(NAAS rating 8)**
2. Suresh Kumar, Gitima Burman, Khargharia, G., Kadirvel G, Champak Burman, Doley S., and Bharti, P.K. (2015). Amelioration of weaning stress in crossbred piglets using prebiotic and probiotic supplement. *Indian J. Anim. Prod. Mgmt.* Vol.31(1-2)31-33
3. Suresh Kumar, Bhanita Devi, A Purkayastha, P K Bharti, S Doley and G Kadirvel. (2016). "Study on porcine ovarian biometry, oocyte retrieval and quality of oocytes under different seasons in north east hill region" *Indian Journal of Animal Sciences* 86 (3): 300–303, march, 2016/Article
4. Chand, N., Pande, M., Tyagi, S., Sirohi, A.S., **Kumar, S.,** Mahajan, S., Saha, S. and Sharma, A., 2025. Comparative Efficacy of Antibiotics in Semen Dilutor on Bacterial Load and Sperm Quality in Cryopreserved Frieswal Bull Semen. *Journal of Animal Research*, 15(1), pp.1-6. **(NAAS rating 6.4)**
5. Mahajan, S., Pande, M., Chand, N., Anjali, Sirohi, A.S., **Kumar, S.,** Saha, S., Kumar, A., Mohanty, A.K. and Mitra, A., 2025. Oxidative stress, serum metabolites, inflammatory cytokine changes associated with lumpy skin disease in cattle. *BMC Veterinary Research*, 21(1), p.696. **(NAAS rating 8.5)**
6. N. Singh, A patel, S. Kumar, V. Singh, M. Pande, N. Chand, A Sirohi, S. Mahajan, Sarika and C. Rani (2026) Effect of Ashwagandha (*Withania somnifera*) supplementation on oxidative stress and freezability of breeding bull semen. *Indian Journal of Animal Sciences* 95 (12) 1069-1074. **(NAAS rating 6.30)**
7. Shambhavi, Shukla, M.K., Verma, H., Kumar, Suresh, Tripathi, A., Verma A.K., Gupta, A., Ranjan, K. (2023). MX2 gene mRNA expression as potential biomarker for early pregnancy diagnosis in cattle. *Indian Journal of Animal Sciences*, 93 (10): 958–962.
8. Saini, S., Nakhashi, H.C., Desai, R.V., Kumar, S. and Rathod, B.S. (2024). Superovulatory response and embryo recovery in Kankrej cattle. *International Journal of Advanced Biochemistry Research*, 8(1): 631-635.
9. Pande, M., Kumar, S., Tyagi, S., Sirohi, A. S., Chand, N., Soni, Y. K., Mahajan, S., Saha, S., Sharma, A., Sarika, Rajoriya, J. S., Anjali, & Mohanty, A. K. (2024). Endogenous tissue inhibitor of metalloproteinase-2 levels are associated with high-quality neat semen but unrelated to sperm cryo resistance in bulls. *Reproduction in domestic animals* .59(11) e 1474.
10. Pande, M., Ghosh, S. K., Tyagi, S., Katiyar, R., Kumar, S., Srivastava, N., Sirohi, A. S., Sarika, N., Chand, N., Dhara, S. K., Bhure, S. K., & Mahajan, S. (2024). Novel antioxidant humanin analogue restores bull semen cryosurvivability. *Andrologia* 2024(1) 5582359

Significant contributions :

1. . Introduced Murrah Buffaloes in North east region of India and proved the round the year cyclicity in Murrah buffaloes under Meghalaya conditions .
2. Developed and established facilities for Embryo transfer technology in bovines and produced first ETT cattle calf at ICAR RC Umiam ,Meghalaya .
3. Contributed in revealing in Whole Genome Sequencing of Arunachali Yak in collaboration with NRCon yak,Dirang, Arunachal Pradesh
4. Developed Superovulatory protocol and MOET in Sikkikese Yak
5. Introduced Frieswal semen in Sikkim for the first time in 2009 and established facilities for semen dissemination of Frieswal and Sahiwal semen through ATARI Zone VII, Umiam in NEH region
6. Contributed significantly in development of Frieswal cattle and optimized the Superovulatory protocols , MOET and other reproductive parameters in farm and field conditions.
7. Developed Gosynch protocol(Modified PGPG) for optimum conception in cattle
8. Developed SOP for use of sex sorted semen for optimum conception in Indian Field conditions and produced more than 100 live female calves using sex sorted semen.
9. Established protocols for superovulation and Multiple Ovulation and embryo transfer in Sahiwal,Frieswalat ICAR-CIRC and produced ETT calves at ICAR-CIRC as well as at farmers Door step .
10. Established facilities for OPU-IVF-ET at ICAR-CIRC, Meerut and produced IVF-ET calves