

Brief Biodata

Name	:	Dr. Suresh Kumar Dhoop Singh	
Designation	:	Head of Division & Principal Scientist	
Discipline	:	Cattle Physiology and Reproduction	
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★ **Education qualification** *(Graduation on wards)*

Degree	Subject (s)	Institute
B.V.Sc. & A.H.	Veterinary Science and Animal Husbandry	Guj. Agri. Uni., Gujarat
M.V.Sc.	Veterinary Obstetrics & Gynaecology	Guj. Agri. Uni., Gujarat
Ph.D.	Veterinary Gynaecology & Obstetrics	G. B. Pant Uni. Of Agri. & Tech., Pantnagar (Uttarakhand)
DBT overseas Associateship	Assisted Reproductive Technologies	Institut Fur Nutztiergenetics, Institute of Farm Animal Genetics, Mariensee, Germany

❖ **Area of research**

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❖ **Fellowships/Awards etc. (Not more than five)**

1.	Fakhruddin Ali Ahmed Award for Outstanding research in Tribal Farming System, ICAR, New Delhi (2014).
2.	Professor Nils Legerlof Memorial Award, Indian Society for the Study of Animal Reproduction (ISSAR) (2017).
3.	Best Field Functionary Award, Indian Society for Buffalo Development (ISBD), Hisar, Haryana (2018).
4.	DBT Overseas Associateship (NER), Institute of Farm Animal Genetics, Mariensee, Germany (2012).
5.	Eight Sisters North East Best LPM Research Award, Indian Society of Animal Production and Management (ISAPM) (2014).

❖ **Patent / Technologies / Methodologies / System etc. (Not more than five) :**

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

❖ Selected Publications: (Max. 20)

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. <i>Veterinary World</i> , 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. <i>Indian J. Anim.Prod.Mgmt.Vol.31(1-2)</i> 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” <i>Indian Journal of Animal Sciences</i> 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. <i>Journal of Animal Research</i> , 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. <i>BMC Veterinary Research</i> , 21(1), p.696. (NAAS rating 8.5)
6.	N. Singh, A patel, S. Kumar, V.Singh, M.pande, N. Chand, AS Sirohi, S. Mahajan, Sarika and C.Rani (2026) Effect of Ashwagandha(<i>Withania somnifera</i>) supplementation on oxidative stress and freezability of breeding bull semen. <i>Indian Journal of Animal Sciences</i> 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. <i>Indian Journal of Animal Sciences</i> , 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. <i>International Journal of Advanced Biochemistry Research</i> , 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. <i>Reproduction in domestic animals</i> .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
★	<u>Full list of Publications (in PDF)</u>
❖	On-going research projects
❖	Research Scholar