# Dr Jasmer

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| **Designation** | **Assistant Professor (VGO)** |
|  | Department of Veterinary Clinical Complex<br>Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar -125004 (Haryana) India<br>Mobile: +918901375776<br>E-mail: jasmer.sl.dalal@luvas.edu.in<br>jasmer.sl.dalal@gmail.com |
| **Educational Qualifications** | • 2018: Ph.D. Ph.D. (Veterinary Gynaecology & Obstetrics), LUVAS, HISAR, Haryana, India<br>• 2015: M.V.Sc. (Veterinary Gynaecology & Obstetrics), GADVASU, Ludhiana, Punjab, India<br>• 2013: B.V.Sc. & A.H. LUVAS, HISAR, India |
| **Employment Details** | • Since May 2024- Assistant Professor, Veterinary Clinical Complex, LUVAS, Hisar.<br>• May, 2022- July 2024 Assistant Professor, Department of Veterinary Gynaecology and Obstetrics, LUVAS, Hisar.<br>• July, 2019-May, 2022: Animal Health Specialist/Assistant Professor (VGO), Haryana Pashu Vigyan Kendra, Mahendergarh, LUVAS, Hisar. 123029.<br>• Nov, 2018-July, 2019: Senior Research Fellow, CIRB, Hisar. |
| **Research Interests** | • Theriogenology<br>• Semen Biology**,** Semen Evaluation and Cryopreservation,<br>• Assisted Reproductive Technology, IVF-ETT. |
| **Students Guided** | • As Major Advisor: 02 M.V.Sc.<br>• As Member Advisory Committee: 4 students |
| **Research Projects Handled/Undergoing** | • Experiment on 'Efficacy of different treatment procedures for clinical endometritis in bovine's carried out after approval from the competent authority in 2020-21 |
| **Publications** | **Total Research Papers Published:** 30<br>**>8.0 NAAS rating: 7**<br>**6-8 NAAS rating:** 04<br>**Google Scholar index**<br>**Research Citations**: **479**<br>**h-index**: 13<br>**i-10index**: 15<br>**Book Chapters: 2**<br>**Practical/Training Manuals:** 15<br>**Clinical Article:38**<br>**PopularArticles:** 4<br>**Seminar/ Conference Attended: 10** |
| | • Research publications in APA format (Best 10 only)<br>• Dalal. P., Kumar, P., Chandolia, R.K., Pawaria, S., Rajendran, R., Sheoran, S., Andonissamy, J., Kumar, D., 2019. A new role for RU486 (mifepristone): it protects sperm from premature capacitation during cryopreservation in buffalo. Scientific Reports (Nature Publishing Group). 9 (1): 6712 30. (NAAS Score: 11; Impact Factor: 4.996)<br>• Dalal. J., R.K., Hassan Jan. M., Pawaria.S, Verma. N., Jerome. A., Dharmendra Kumar and Pradeep Kumar. (2020). Escherichia coli membrane-derived oxygen-reducing enzyme system (Oxyrase) protects bubaline spermatozoa during cryopreservation. Molecular Reproduction and Development. (87): 1048– 1058. https://doi.org/10.1002/mrd.23411. (NAAS Score: 8.81; Impact Factor: 2.812) |

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| | • Dalal. J., Chandolia, R.K., Pawaria, S., Kumar. A., Kumar. D., Selokar. N.L. Andonissamy. A., Prem S. Yadav. P.S and. Kumar. P. (2020). Low-density lipoproteins protect sperm during cryopreservation in buffalo: Unraveling mechanism of action. Molecular Reproduction and Development. (87):1231–1244. https://doi.org/10.1002/mrd.23434. (NAAS Score: 8.81; Impact Factor: 2.812)<br>• Dalal. J., Kumar. P., Chandolia. R.K., Pawaria. S., Bala. R., Kumar. D. and Yadav. P.S. (2023). A new role of H89: Reduces capacitation-like changes through inhibition of cholesterol efflux, calcium influx, and proteins tyrosine phosphorylation during sperm cryopreservation in buffalo. Theriogenology, 204: 31-39. (NAAS Score: 8.92; Impact Factor: 2.923)<br>• Lyngdoh, E.L., Nayan, V., Vashisht, M., Kumari S., Bhardwaj, A., Bhatia, T., Dalal, J., Pawaria, S., Onteru, S. K., Sikka, P. and Singh, D. (2020) Gold nanoparticles modulate the steroidogenic and apoptotic pathway in a buffalo granulosa cell model. Biotechnology Letters. https://doi.org/10.1007/s10529-020-02896-z. (NAAS Score: 8.72; Impact Factor: 2.716)<br>• Dalal. J., Kumar, A., Kumar, P., Honparkhe, M., Malik, V.S., Singhal, S., Kaur, S. and Brar, P.S. (2018). Improvement in cryosurvival of buffalo bull (Bubalus bubalis) sperm by altering freezing rate within critical temperature range. Asian Pacific Journal of Reproduction. 7(2): 72-78. Impact Score 2.10<br>• Dalal.J., Kumar, A., Honparkhe, M., Deka, D. and Singh, N. (2016). Minimization of apoptosis-like changes in cryopreserved buffalo bull sperm by supplementing extender with Bcl-2 protein. Veterinary World. 9(5): 432-436. (NAAS Score: 4.83; Impact factor: 0.457)<br>• Kumar. P., Pawaria. S., Dalal. J., Sheoran. S., Bhardwaj. S., Andonissamy. J., Kumar. D., Mustafa H. Jan. and Yadav. P.S. (2019). Sodium alginate potentiates antioxidants, cryoprotection and antibacterial activities of egg yolk extender during semen cryopreservation in buffalo. Animal Reproduction Science. 209:106166. (NAAS Score: 8.22; Impact factor: 2.22)<br>• Kumar. P., Suman., Pawaria. S., Dalal. J., Bhardwaj. S., Patil. S., Jerome. A. and Sharma. R.K. (2019). Serum and seminal plasma IGF-1 associations with semen variables and effect of IGF-1 supplementation on semen freezing capacity in buffalo bulls. Animal Reproduction Science. 204: 101-110. (NAAS Score: 8.22; Impact factor: 2.22)<br>• Nain. A., Dalal. J., M. Virmani. M., Kumari. S. and Dutt. R. 2026. Effect of Silymarin on various Seminal Characteristic in pre-freeze Hardhenu crossbred bull semen. J. Livestock Sci. (2277-6214) 17: 9-14. |
| **IPRs granted** | Nil |
| **Awards/ Fellowships/ Recognition received** | • Best Young Scientist Award, XXXIV Annual Convention of the Indian Society for Study of Animal Reproduction and International Symposium<br>• Best Poster Award, 17th Indian Veterinary Congress of Indian Association for the Advancement of Veterinary Research (IAAVR)<br>• Qualified ICAR-NET conducted by ICAR-ASRB in Animal Reproduction and Gynaecology<br>• ICAR-mains examination and secured second position in all India basis. Qualified for ICAR-ASRB Interview for single post of 'Scientist'<br>• First rank in M.V.Sc. in Department of Gynaecology & obstetrics, GADVASU<br>• Awarded with University Fellowship during M. V. Sc Program in GADVASU<br>• Awarded with University Fellowship during Ph.D. Program in LUVAS.<br>• University Gold Medal for First Rank in Ph.D. at University Level.<br>• Prof. Nils Lagerlof Memorial Award 2019 in recognition of meritorious contribution to research in animal reproduction.<br>• Best Oral Presentation Award (Second Position Indian Society for Buffalo Development (ISBD) at IVRI, Izatnagar (U.P.) |

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| **Membership of Professional Scientific Societies** | • Life member of Indian Society for Study of Animal Reproduction<br>• Life member of Indian Society for Advancement of Canine Practice<br>• Life member of Indian Society for Buffalo Development<br>• Life member of Indian Association for the Advancement of Veterinary Research<br>• Veterinary Council of India<br>• Haryana Veterinary Council<br>• Life member of Society for Veterinary Sciences and Biotechnology |
| **Editorial board of Scientific Journal** | • Bhartiya Krishi Anusandhan Patrika (ARCC Journals)<br>• Advances in Animal & Veterinary Sciences |
| **Reviewer of Scientific Journals** | • Reproduction in Domestic Animals<br>• Animal Production Science<br>• IEEE/ASME Transactions on Mechatronics<br>• Systems Biology in Reproductive Medicine<br>• Veterinary Record Case Reports<br>• Andrologia<br>• International Journal of Research and Reports in Gynaecology<br>• Haryana Veterinarian<br>• Animal Reproduction Update |
| **Any Other (if any)** | • Nodal Officer, LMS portal, LUVAS,<br>• President Football Club, LUVAS Hisar<br>• Executive Member, LUVAS Teachers' Association (LUVASTA) |