

Short CV

Name: Dr. Sourabh Sulabh

Designation: Assistant Professor

Address: Department of Animal Science, Kazi Nazrul University,
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- **Qualifications:**

Graduation: B.V.Sc & A.H. (2009), Ranchi Veterinary college, Birsa Agricultural University, Ranchi.

Post Graduation: M.V.Sc Animal Genetics & Breeding (2012), ICAR-National Dairy Research Institute, Karnal.

NET: ICAR-NET in Animal Genetics & Breeding, 2013, 2014

Doctoral: Ph.D in Animal Genetics & Breeding (2016), ICAR-Indian Veterinary Research Institute, Bareilly.

- **Experience:**

Postdoctoral: (Maximum 2): N.A.

Teaching experience: 2 year 2 months (Faculty of Veterinary and Animal Sciences, Banaras Hindu University)

Area of Interest: Breed Development and Molecular genetics.

Research: Title of thesis “Gene expression profiling of immune related genes by in vitro challenge of PBMCs with S. aureus and E. coli agonists causing mastitis.”

- **Fellowships/Awards:** ICAR-SRF, ICAR-JRF, Merit scholarship.
- **Selected Publications:**

1. **Sulabh, S.,** Verma, A., Gupt, I. D., and Kumar, S. R. (2015). Detection of polymorphism of Calgranulin A gene in Indian Murrah Buffalo. *Indian Journal of Animal Research.*, 50(5): 558-561.
 2. Gupta, J. P., Bhushan, B., Panigrahi, M., Ranjan, S., Asaf, V. N. M., Kumar, A., **Sulabh, S.,** Kumar, A., Kumar, P., and Sharma, D. (2015). Study on genetic variation of Short Tandem Repeats (STR) markers and their association with Somatic Cell Scores (SCS) in crossbred cows. *Indian Journal of Animal Research.* 50(4): 450-454.
 3. Panigrahi, M., Kumar, A., Bhushan, B., Ghosh, S., Saravanan, B. C., **Sulabh, S.,** Parida, S., and Gaur, G. K. (2016). No change in mRNA expression of immune-related genes in peripheral blood mononuclear cells challenged with *Theileria annulata* in Murrah buffalo (*Bubalus bubalis*). *Ticks and Tick-borne Diseases.* 7: 754-758.
 4. **Sulabh, S.,** Verma, A., Gupta, I. D. and Kumar, V. (2016). Genotyping of calgranulin A gene in Murrah buffaloes by PCR-RFLP. *Indian Journal of Dairy Science.* 69(2): 178-181.
 5. **Sulabh, S.,** Bhushan, B., Panigrahi, M., Verma, M., Baba, N. A. and Kumar, P. (2016). Differential response of immune-related genes to peptidoglycan and lipoteichoic acid challenge in vitro. *Veterinary World.* 9(9): 983-988.
 6. Kumar, A, Gaur, G. K., Gandham, R. K., Panigrahi, M., Ghosh, S., Saravanan, B. C., Bhushan, B., Tiwari, A. K., **Sulabh, S.,** Priya, B., Muhasin Asaf V. N., Gupta, J. P., Wani, S. A., Sahu, A. R. and Sahoo, A. P. (2017). Global gene expression profile of peripheral blood mononuclear cells challenged with *Theileria annulata* in crossbred and indigenous cattle. *Infection, Genetics and Evolution.*, 47: 9-18.
 7. Verma, A.D., Panigrahi, M., Bhushan, B., Baba, N. A., **Sulabh, S.,** Sadam, A., Parida, S., Sonwane, A. and Narayanan, K. (2017). Relative expression of oxytocin receptor gene in buffalo endometrium in late luteal phase and pregnancy stages. *Journal of Applied Animal Research.*, <http://dx.doi.org/10.1080/09712119.2016.1277531>.
 8. Kumar, A., Panigrahi, M., Bhushan, B., **Sulabh, S.,** Asaf V. N. M., Gupta, J. P., Saravanan, B. C., Ghosh, S., and Gaur, G. K. (2015). Expression Profile of CXCL3 Gene in Peripheral Blood Mononuclear Cells Challenged in vitro with *Theileria annulata* in Crossbred Cattle. *Journal of Animal Research.* 5(2): 373-375.
 9. Verma, A.D., Panigrahi, M., Bhushan, B., Baba, N. A., **Sulabh, S.,** Sadam, A., Parida, S., Narayanan, K., Sonwane, A. and Bhushan, B. (2017). Differential expression of ten candidate genes regulating prostaglandin action in reproductive tissues of buffalo during estrous cycle and pregnancy. *Theriogenology* 105: 7-14.
 10. **Sulabh, S.,** Panigrahi, M., Ahmad, S. F., Varshney, R., Verma, A., Baba, N. A., Kumar, S., Kumari, S., Chauhan, A., Kumar, P. and Bhushan, B. (2018). Peptidoglycan and Lipoteichoic Acid Induces Differential mRNA Response of Immune-Related Genes in PBMC of Crossbred, Tharparkar Cattle and Murrah Buffalo. *Animal Biotechnology.* DOI: 10.1080/10495398.2018.1461633.
 11. **Sulabh, S.,** Verma, A., Gupta, I. D. and Kumar, B. (2018). Novel SNPs in DGAT1 gene and their association with milk traits in Murrah buffaloes. *Indian Journal of Dairy Science* 71(2): 187-192.
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12. Naseer, A. B., Panigrahi, M., Verma, A. D., Sadam, A., **Sulabh, S.**, Chhotaray, S., Parida, S., Krishnaswamy, N. and Bhushan, B. (2018). Endometrial transcript profile of progesterone-regulated genes during early pregnancy of Water Buffalo (*Bubalus bubalis*). *Reproduction in Domestic Animals*. 00: 1-8.
13. Kumar, S., Gupta, J. P., **Sulabh, S.**, Kumar, A., Bharati, M. K., and Kumar, R. (2016). Heat tolerance in milch cows: genetic view. *Bhartiya Krishi Anushandhan Patrika*, 30(2): 113-116.
- 14. Sulabh, S.**, Bayan, J. and Kumar, A. (2018). CRISPR/Cas9: A Review on Genome Editing Tool. *The Indian Journal of Veterinary Sciences & Biotechnology*. 13 (4): 53-60.
15. Bayan, J. and **Sulabh, S.** (2018). Bovine Immunogenetic Response to *S. aureus* and *E. coli* Mastitis: A Review. *The Indian Journal of Veterinary Sciences & Biotechnology*. 13 (3): 67-74.
- 16. Sulabh, S.** and Kumar, A. (2018). Application of transgenic animals in animal production and health. *Agricultural Reviews*. 39(2): 169-174.
17. Kumar, A. and **Sulabh, S.** (2018). Hepatic stem cells and their enzymatic markers- A review. *Agricultural Reviews*. 39(2): 151-156.
- 18. Sulabh, S.** and Bayan, J. (2018). Application of molecular markers in Animal Breeding. *The North East Veterinarian*. 3: 18-19.

Published popular article: twelve and two book chapters
