Short CV

Name: Dr. Sourabh Sulabh

Designation: Assistant Professor

Address: Department of Animal Science, Kazi Nazrul University,

Asansol, West Bengal.

Contacts: sourabhjsr@yahoo.com

Mobile: 8650882169; 8707431459

- **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:**

Teaching experience:

i. 2 years 2 months (Faculty of Veterinary and Animal Sciences, BHU)

ii. 2 years and 2 months (Department of Animal Science, KNU)

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.,** Panigrahi M., Varshney, R., Gupta, J.P., Kumar, S., Verma, A., Kumar, A., Muhasin Asaf, V.N., Kumar, P., and Bhushan, B. (2019). In-vitro analysis of Interleukin-10 expression in cell cultures of Crossbred cattle, Tharparkar cattle and Murrah buffalo in response to mastitis causing antigens derived from Staphylococcus aureus and Escherichia coli. Biological Rhythm Research. https://doi.org/10.1080/09291016.2019.1628407

2. Agrawal, A., Varshney, R., Kirthika, P., Gupta, R., **Sulabh, S.,** Varshney, R., Chakravarti, S. and Thankappan, S. (2019). Global scenario of paratuberculosis: a threat to livestock sector. Biological Rhythm Research. https://doi.org/10.1080/09291016.2019.1610858

3. Kumar, S., Singh, R.V., Chauhan, A., Kumar, A., **Sulabh, S.,** Jaya Bharati and Singh, S.V. (2019). Genetic association of polymorphisms in bovine TLR2 and TLR4 genes with Mycobacterium avium subspecies paratuberculosis infection in Indian cattle population. Veterinary Research Communications. 43: 105. https://doi.org/10.1007/s11259-019-09750-2

4. **Sulabh, S.,** Panigrahi, M., Kumar, S., Varshney, R., Verma, R., Naseer, A. Baba., Gupta, J.P., Chauhan, A., Kumar, P., Dutt, T. and Bhushan, B. (2019). Differential cytokine response of Escherichia coli lipopolysaccharide stimulated peripheral blood mononuclear cells in crossbred cattle, Tharparkar cattle and Murrah buffalo - An in vitro study. Spanish Journal of Agricultural Research. 17: 1, e0501. https://doi.org/10.5424/sjar/2019171-12599

5. 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. 54: 100-107. https://doi.org/10.1111/rda.13315

6. **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. https://doi.org/10.1080/10495398.2018.1461633

7. 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. https://doi.org/10.1016/j.meegid.2016.11.009

8. 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.

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. https://doi.org/10.1016/j.theriogenology.2017.09.008

10. **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. https://doi.org/10.14202/vetworld.2016.983-988

11. 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. https://doi.org/10.1016/j.ttbdis.2016.03.006

12. 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. https://doi.org/10.5958/2277-940X.2015.00063.7

13. **Sulabh, S.,** Verma, A., Gupta, 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. https://doi.org/10.18805/ijar.5715

14. 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. https://doi.org/10.18805/ijar.6709

Published popular article: twelve and two chapters in training manual.