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## Publications

**Binsila, B.K.**, Selvaraju, S., Ghosh, S.K., Ramya, L., Arangasamy, A., Ranjithkumaran, R. and Bhatta., R. 2020. EGF, GDNF, and IGF-1 influence the proliferation and stemness of ovine spermatogonial stem cells in vitro. *Journal of Assisted Reproduction and Genetics*, 37:2615-2630.

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Selvaraju S, Ramya, L, Parthipan, S Swathi, D., **Binsila, B.K.**, and Atul P. Kolte. 2021. Deciphering the complexity of sperm transcriptome reveals genes governing functional membrane and acrosome integrities potentially influence fertility. *Cell and Tissue Research*, 385: 207-222.

Archana, S.S., Selvaraju, S., Arangasamy, A., **Binsila, B.K.**, Swathi, D., Ramya, L., Kumaresan, A. and Krishnappa, B. 2021. Seminal antigenicity affects mitochondrial membrane potential and acrosome reaction ability of the spermatozoa during cryopreservation. *Theriogenology*, 159: 132-139.

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Selvaraju, S., Parthipan, S., Somashekar, L., **Binsila, B.K.**, Kolte, A.P., Arangasamy, A., Ravindra, J.P. and Krawetz, S.A. 2018. Current status of sperm functional genomics and its diagnostic potential of fertility in bovine (*Bos taurus*). *Systems biology in reproductive medicine*. 14: 1-18.

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Selvaraju S, Parthipan S, Somashekar L, Kolte AP, **Binsila BK**, Arangasamy A and Ravindra JP. 2017. Occurrence and functional significance of the transcriptome in bovine (*Bos taurus*) spermatozoa. *Scientific Reports*, 7: 42392. *Reproduction Fertility and Development*.

Shilpa M, Selvaraju S, Girishkumar V, Parthipan S, **Binsila BK**, Arangasamy A and Ravindra JP. 2017. Novel insights into the role of cell free seminal plasma RNAs (cfsRNA) on semen quality and cryotolerance of spermatozoa in bulls (*Bos taurus*). 29: 2446-2456.