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Publications

Javvaji PK, Dhali A, Francis JR, **Kolte AP**, Mech A, Sathish L, Roy SC. Interleukin-7 improves in vitro maturation of ovine cumulus-oocyte complexes in a dose dependent manner. *Cytokine*. 2018 Jul 23. <https://doi.org/10.1016/j.cyto.2018.07.025>

Chikkerur J, Samanta AK, Dhali A, **Kolte AP**, Roy S, Maria P. In Silico evaluation and identification of fungi capable of producing endo-inulinase enzyme. *PloS One*. 2018 Jul 12;13(7):e0200607. <https://doi.org/10.1371/journal.pone.0200607>

Selvaraju S, Parthipan S, Somashekar L, Binsila BK, **Kolte AP**, Arangasamy A, Ravindra JP, Krawetz SA. 2018. Current status of sperm functional genomics and its diagnostic potential of fertility in bovine (*Bos taurus*). *Systems Biology in Reproductive Medicine*. 2018 Mar 15:1-8. <https://doi.org/10.1080/19396368.2018.1444816>

Malik, PK; **Kolte, AP**; Baruah, L; Saravanan, M; Bakshi, B; Bhatta, R. 2017. Enteric methane mitigation in sheep through leaves of selected tanniniferous tropical tree species. *Livestock Science*, 200:29-34

Kolte, AP; Dhali, A; Malik, PK; Samanta, AK; Bhatta, R. 2017. Rumen metagenomics and its implications in animal nutrition: A review. *Indian Journal of Animal Nutrition*, 34:124.134 <http://dx.doi.org/10.5958/2231-6744.2017.00022.6>

Malik PK. **Kolte AP**. Bakshi B, Baruah L, Dhali A and Bhatta R. 2017. Effect of tamarind seed husk supplementation on ruminal methanogenesis, methanogen diversity and fermentation characteristics. *Carbon Management*, 8:319-329

Selvaraju S, Parthipan S, Somashekar L, **Kolte AP**, Binsila BK, Arangasamy A, Ravindra JP. 2017. Occurrence and functional significance of the transcriptome in bovine (*Bos taurus*) spermatozoa. *Scientific Reports (A Nature Publication)*. 2017;7. <https://doi.org/10.1038/srep42392>

Parthipan S, Selvaraju S, Somashekar L, **Kolte AP**, Arangasamy A and Ravindra JP. 2015. Spermatozoa input concentrations and RNA isolation methods on RNA yield and Quality in bull (*Bos Taurus*). *Analytical Biochemistry*, 482: 32-39. <https://doi.org/10.1016/j.ab.2015.03.022>

Samanta AK, Jayaram C, Jayapal N, Sondhi N, **Kolte AP**, Senani S, Sridhar M and Dhali A. 2015. Assessment of fecal microflora changes in pigs supplemented with herbal residue and prebiotic. *PLoS One*, 10(7): e0132961. <https://doi.org/10.1371/journal.pone.0132961>

Samanta AK, Jayapal N, Jayaram C, Roy S, **Kolte AP**, Senani S, and Sridhar M. (2015). Xylooligosaccharides as prebiotics from agricultural by products: production and applications. *Bioactive Carbohydrates and Dietary Fibre*, 5:62-71. <https://doi.org/10.1016/j.bcdf.2014.12.003>

Vijaykumar P, Mishra A, Ranaware PB, **Kolte AP**, Kulkarni DD, Burt DW and Raut AA. (2015). Analysis of the crow lung transcriptome in response to infection with highly pathogenic H5N1 avian influenza virus. *Gene*, 559:77-85. <https://doi.org/10.1016/j.gene.2015.01.016>