List of research papers of Dr. D. Malakar and research team for last two years

Those are interested in getting the PDF of the papers can send their request to following email ID of Dr. D. Malakar

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1. R Ranjan, R K Singh, T Yasotha, Manish Kumar, Gopal Puri, Kuldeep Kumar, Renu Singh, Sanjeev Bhure, **D Malakar,** S K Bhanja, M Sarkar, B C Das, Sadhan Bag (2013).Effect of actin polymerization inhibitor during oocyte maturation on parthenogenetic embryo development and their ploidy in Capra Hircus. Biochemical genetics (Accepted)

2. J. Aggarwal, A. Sharma, A. Kishore, B. P. Mishra, A. Yadav, A. Mohanty, M. Sodhi, R. S. Kataria, **D. Malakar** and M. Mukesh (2013). Identification of suitable housekeeping genes for normalization of quantitative real-time PCR data during different physiological stages of mammary gland in riverine buffaloes (Bubalus bubalis). JPN, DOI: 10.1111/jpn.12027 (Accepted).

3. Arun Kumar De, Shweta Garg, Dinesh Kumar Singhal, Hrudananda Malik Ayan Mukherjee, Manoj Kumar Jena, Sudarshan Kumar, Jai Kumar Kaushik, Ashok Kumar Mohanty, Bikash Chandra Das, Sadhan Bag, Subrata Kumar Bhanja and **Dhruba Malakar** (2013). Derivation of goat embryonic stem cell-like cell lines from in vitro produced parthenogenetic blastocysts. Small Ruminant Research (Accepted)

4. H.N. Malik, D. K. Singhal, A. Mukherjee, N. Bara, S. Kumar, S. Saugandhika A.K. Mohanty, J.K. Kaushik, S. Bag, B. C. Das, S. K. Bhanja and **D. Malakar** (2013). A Single Blastomere Sexing of Caprine Embryos by Simultaneous Amplification of Sex Chromosome Specific Sequence of *SRY* and Amelogenin Genes. Livestock Science (Accepted).

5. Vijay Anand, Jai Kaushik, Ajay Dang, Sudarshan novel Kumar, Tapas Mukhopadhyay, Bishnu Mishra Surender Singh, **Dhruba Malakar**, Manoj Jena, Ashok Mohanty (2012). Establishment and characterization of a buffalo mammary epithelial cell line. PLoS ONE, 7 (7): e40469- e40469.

6. Garg, S, Dutta R, **Malakar D,** Jena MK, Kumar D, Sahu S and Prakash B. **(2012).** Cardiomyocytes rhythmically beating generated from goat embryonic stem cell. Theriogenology, 77: 829–839.

7. Varshney, N., Mohanty, A. K., Kumar, S., Kaushik, J. K., Dang, A. K., Mukesh, M., Mishra, B. P., Kataria, R., Kimothi, S. P., Mukhopadhyay, T. K., **Malakar, D**., Prakash, B. S., Grover, S., and Batish V. K. (2012). Selection of suitable reference genes for quantitative gene expression studies in milk somatic cells of lactating cows (*Bos indicus)*.J. Dairy Sci. 95:2935–2945.

8. Jena**,** M.K., **D. Malakar,** De, A.K., Garg, S., Akshey, Y.S., Dutta, R., Sahu, S., Mohanty, A.K., Kaushik J.K. **(2012).** Handmade cloned and parthenogenetic goat embryos – A comparison of different culture media and donor cells. Small Rum. Res., 105, 255– 262.

9. De, A. K., **Dhruba Malakar,** Manoj Kumar Jena, Rahul Dutta, Shweta Garg, Yogesh S. Akshey (2012). Zona-free and with-zona parthenogenetic embryo production in goat (Capra hircus) — effect of activation methods, culture systems and culture media. Livestock Science 143-20-12 35–42.

10. Das S. K., **Malakar, D.,** Mohanty, A. K. (**2012**).Impact of embryo biotechnology on livestock improvement. Indian Dairy Man, 64-69.

11. Akshey YS, **Malakar D,** De AK, Jena MK, Pawar SK, Dutta R, Sahu S. (**2011).** Effect of roscovitine treated donor cells and different activation methods on development of handmade cloned goat (Capra hircus) embryos. Theriogenology 75, 1516–1524.

12. Pradeep, M.A., Jagadeesh, J., De, A.K., Kaushik, J.K., **Malakar, D.,** Kumar, S., Dang, A.K., Das, S.K. and Mohanty, A.K. (**2011).** Purification, sequence characterization and effect of goat oviduct-specific glycoprotein on *in vitro* embryo development. *Theriogenology*, 75(6):1005-15.

13. Dutta R, **Malakar D,** Khate K, Sahu S, Akshey YS and Mukesh (2011). A comparative study on efficiency of adult fibroblast, putative embryonic stem cell and lymphocyte as donor cells for production of handmade cloned embryos in goat and characterization of putative ntES cells obtained from these embryos. Theriogenology 76(5):851-63.

14. De, A. K., **D. Malakar,** Y. S. Akshey, M. K. Jena, S. Garg, R. Dutta and S. Sahu **(2011).** In vitro development of goat (*Capra hircus*) embryos following cysteamine supplementation of the *in vitro* maturation and *in vitro* culture media. *Small Ruminant Research 96: 185–190*.

15. Akshey, Y. S., Malakar**,** D., De, A. K., Jena, M. K., Sahu, S. and Dutta, R. (2011). Study of the efficiency of the chemically assisted enucleation method for handmade cloning in goat (*Capra hircus*). Reprod Domest Anim. 46(4) 699–704.

16. De, AK, **Malakar, D** Akshey YS., Jena MK and Dutta R. (**2011).** Isolation and characterization of embryonic stem cell-like cells from in vitro produced goat (*Capra hircus*) embryos. Animal Biotechnology 22: 181–196, 2011.

17. Rahul D, **Malakar D**, Khate K, Sahu S, Jena MK, Akshey YS, Garg S and Mukesh M. **(2011).** Production and characterization of putative ntES cells from handmade cloned goat embryos derived from adult fibroblast donor cell. J of Reprod and Stem Cell Biotechnol 2(1):64-76.

18. De, AK, **Malakar D,** Dutta R, Sahu S and Jena MK **(2011).** Effect of Leukaemia Inhibitory Factor and different types of feeder layers on growth and pluripotent nature of embryonic stem cells from *in vitro* produced goat (*Capra hircus*) blastocysts. Journal of Applied Animal Research, 2011 39(4) 311-316.

19. De AK, Malakar D and Dutta R (2011). Comparison of different methods of isolation of embryonic stem cell-like cells from in vitro produced goat (Capra hircus) embryos. Indian J Dairy Sci Sept.2011.

20. DE, A. K. and **Malakar D.** (**2011**). A simple method of production of interspecies embryos between sheep and goat. *Indian J. Anim. Sci.* 81 (3): 52-54.

21. Akshey YS, Malakar D, De AK, Dutta R, Jena MK and Garg S. (**2011).** Hand-made cloning for the production of cloned goat (Capra hircus) embryos. Indian Vet. J. 88(8):12-15.

22. **Malakar, Dhruba** Sachin Kumar Pawar, Manoj Jena and Rahul Dutta (2011). VACCINES: A BOON FOR THE MANKIND. Agrovet Buzz, Vol. IV (V) 46-49.

23. **Malakar, Dhruba,** Dinesh Kumara and Hrudananda Malik. (2011) Induced Pluripotent stem cells- the Wave of Future. Agrovet Buzz, Vol. IV (VI) 1-5.