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### Ongoing research projects

1. Isolation, culture and cryopreservation of spermatogonial stem cell of yak (CoPI)
2. Effect of season on freezability and biochemical profile of yak semen (CoPI)
3. Ex-situ conservation of yak germplasm (CoPI)

### Recent publications (Ten Recent)

1. Begum SS, Mahato G, Muthuchelvan D, Chaudhary D, **Hussain M**, Nashiruddullah N and Rajak KK (2017). Molecular identification of Peste-des-petits-ruminant virus from goats of Assam state of North-East India. *Journal of Entomology and Zoology Studies*, **5** (2):1366-1368.
2. **Hussain M**, Chakravarty P, Soren S, Deori S and Begum SS (2015). Effect of recovery technique and culture media on *in vitro* maturation of indigenous cattle oocytes of Assam. *Indian Journal of Animal Research*, **49** (1): 51-54.
3. Chakravarty P, **Hussain M**, Chauhan MS, Manik RS, Baishya D, Bhuyan S, Soren S, Deori S, Paul V, Das PJ, Doley J, Borah BKD, Krishnan G, Dutta DJ and Deb SM (2015). *In vitro* yak embryo production through conventional and ovum pickup methods. *Reproduction, Fertility and Development*, **27**(1): 218.
4. Borah B, Borgohai A, Ray MN, Khuman S, Borthakur B, Debbarman C, Payeng S, Begum SS and **Hussain M** (2017). Constraints faced by the farmers of fringe village of Kaziranga National Park in Livestock rearing, Assam, India. *International Journal of Educational Science and research (IJESR)* **7**(2):27-30, ISSN(P):2249-6947.
5. Begum SS, **Hussain M**, Baruah PM and Soren S (2017). Management of dystocia with nape presentation in a jersey crossbred cow (*Bos taurus*) by mutation and forced traction. *Indian Veterinary Journal* **94** (03): 51- 52.
6. Begum SS, Mahato G, Sharma P, **Hussain M** and Saleque A (2016). Assessment of immune response to a lyophilized peste-des-petits-ruminants virus vaccine in three different breeds of goats. *Veterinary World* **9**(6): 568-571.
7. Begum SS, Mahato G, Barman NN, Saleque A and **Hussain M** (2016). Seroprevalence of Orf in goats of Assam state of Northeast India and Immune response to a cell culture adapted Orf virus vaccine in goats. *Indian Veterinary Journal*, **93** (11): 29- 30.
8. Begum SS, Mahato G, Sharma P, Sharma K, **Hussain M**, Das BC, Hussain J, De A, Choudhary D, Ramakrishnan MA and Muthuchelvan D (2016). Seroprevalence of peste des petits ruminants in goats in Assam. *Asian Journal of Animal and Veterinary Advances*, Doi:10.3923/ajava.2016.
9. Bera AK, Maji C, **Hussain M**, Bam J, Bhattacharya D, Maiti S, Biswas TK, Deori S and Deb SM. (2015). A retrospective analysis on yak mortality with special emphasis on neonatal mortality. *Indian Journal of Animal Science*, **85** (5): 446-450.
10. Bera AK, **Hussain M**, Maji C, Maiti S, Doley J, Bhattacharya D, Bam J, Deori S, Paul V, Biswas TK and Deb SM (2015). High seroprevalence of bovine herpesvirus-1 and *Brucella abortus* in yak populations of Arunachal Pradesh, India correlates with abortion. *Indian Journal of Animal Science*, **85** (7): 751-754.