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Scholarly Interests

My research interests include identification and evaluation of region specific unconventional feed/fodder resources, their processing and conservations for managing strategic feeding of livestock. Currently, I am focusing to compensate the loss in body weights and productivity in yaks due to severe winter through application of suitable forage conservation techniques. I am also engaged in study of rumen ecology and their microbial profiles to mitigate the methanogenesis in yaks.

Ongoing research projects

1. Effect of weaning age and starter protein levels on post weaning performance of yak calves (PI)
2. AICRP on Plastic Engineering Technology (CoPI)
3. National Mission on Sustaining the Himalayan Ecosystem (CoPI)

Recent publications

1. Rout M., Bhattacharya D., Prusty B.R., Chatterjee N., Bera A.K, Doley J., Deori S., **Medhi D.**, Bam J., Hanah S.S., Deb S.M. and Pattnaik B. (2017). Foot-and-mouth disease virus infection-specific non-structural protein antibodies detected in populations of mithun (*Bos frontalis*), yak (*Bos grunniens*) and their hybrids maintained in farms and villages of Arunachal Pradesh, India. *Indian Journal of Animal Sciences*. **87**(9):1090-1091.
2. **Medhi D.**, Bhat N.A. and Afzal Y. (2016). Evaluation of mulberry leaves based diets in Corriedale lambs. *Indian Journal of Animal Sciences*, **86** (11):1306-1310.
3. **Medhi D.**, Santra A., Paul V., Saikia A., Das P.P., Ali E. and Deb S.M. (2016). Performances of growing yaks on different planes of nutrition. *Indian Journal of Animal Sciences*, **86** (11):1337-1339.
4. **Medhi D.**, Bhuyan R., Ahmed H.F. and Saikia B.N. (2016). Effect of Inclusion of Silk Worm Pupae Meal in the Diet with or without Enzyme Supplementation on Nutrient Utilization and Growth Performance in Crossbred Pigs. *Indian Journal of Animal Nutrition*, **33**(3):336-339.
5. **Medhi D.**, Hanah S.S., Sarmah P.P., Karmu T., Ali E., Das P.J. and Deb S.M. (2016). Performances of lactating yaks on silage and complete feed blocks based feeding regiments. *Indian Journal of Animal Sciences*, **86**(2):203-205.
6. **Medhi D.**, Ganai A.M., Ahmed H.A. and Afzal Y. (2014). Effect of inclusion of formaldehyde treated mustard oil cakes in diets on performance of Corriedale lambs. *Indian Journal of Animal Nutrition*, **31**(3):239-244.
7. **Medhi D.**, Bhat S.H., Ahmed S.H. and Afzal Y. (2014). Nutritional status of pregnant cows in district Kupwara of Kashmir valley. *Indian Journal of Animal Research*, **48**(6):571-574.
8. Bhat S.H., **Medhi D.**, Ahmed H.A. and Matto F.A. (2013). Nutritional Status of Dairy Cattle in the North-Western Himalayan Region of the Kashmir Valley. *Iranian Journal of Applied Animal Science*, **3**(1):31-37.
9. Mondal G., Sarkar T.K., Khan H.M., **Medhi D.** and Bhakat M. (2013). Copper and zinc supplementation in Corriedale lambs in organized Farm of Kashmir Valley: A preliminary study. *Indian Journal of Animal Nutrition*, **30**(2):145-148.
10. Bhat S.H., Mattoo F.A., **Medhi D.**, Ahmed H.A., Afzal Y. and Reshi P.A. (2013). Nutritional status of growing calves in district Kupwara of Kashmir valley. *Indian Journal of Animal Research*, **47**(1):40-44.