

**DR. DINAMANI MEDHI, PhD**

Principal Scientist (Animal Nutrition)
ICAR-National Research Centre on Yak
Dirang, West Kameng District
Arunachal Pradesh-790101, India
E-mail ID: Dinamani.Medhi@icar.gov.in
PHONE: +91-03780-242289. Ext.216
+91-8415012269 (Cell)
FAX: +91-2780-242273

SCHOLARLY INTERESTS:

My research interests include identification and evaluation of region specific unconventional feed/fodder resources, their processing and conservations techniques including strategic feeding of livestock. I am also engaged in study of rumen ecology and their microbial profiles and to mitigate the methanogenesis in yaks. Currently, my main focus is to compensate the loss of body weight cum milk production in yak due to severe winter through application of different feeds and fodder conservation techniques.

A. Job Experience:

Designation	Name of Employer	Period	
		From	To
Principal Scientist (Animal Nutrition)	Director, ICAR-NRC on Yak, Dirang	27-04-2018	Continuing
Senior Scientist (Animal Nutrition)	Director, ICAR-NRC on Yak, Dirang	27-04-2012	26-04-2015
Assistant Professor (Animal Nutrition)	Vice Chancellor, SKUAST-K, Kashmir	27-07-2007	24-04-2012

B. Research Experiences:**A. Projects undertaken**

- DBT sponsored project title:** Manipulation of Rumen Fermentation for Improving Growth Performance of growing animals (Completed as on 15-10-2015)
- G. B. Pant Institute of Himalayan Environment & Development sponsored project** entitled “Capacity building and awareness programmes on conservation of yaks in the state of Arunachal Pradesh” (Completed as on 31-03-2020)
- AICRP project title:** Improvement of feed resources and nutrient utilization in raising Animal Production (Completed as on 31st March’2014)
- VTCC project title:** Network project on “Veterinary Type culture-Rumen Microbes” (completed as on 31st March’2016)
- Institute Project title:** Conservation of forages through ensiling for improvement of yak production in India (Completed as on 31st December’2015)
- Institute project** on “Effect of weaning age and starter protein levels on post weaning performance of yak calves” (Completed)
- ICAR sponsored** (ICAR-IIMR, Ludhiana based): Maize production in NEH region for sustainable livestock production (On-going)

C. Major Publications:**A. Research papers published:** Forty Five, the best publications are

- Medhi, D., Sarmah, P. P., Ali, E. and Chakravarty, P. (2022). Efficacy of tree leaf based complete feed blocks on performance of growing yaks *Indian Journal of Animal Sciences* 92 (1): 139–142
- Parth Partim Das, Safeeda Sultana Begum, Manasee Choudhury, **Dinamani Medhi**, Vijay Paul and Prannab Jyoti Das (2020). Characterizing miRNA and mse-tsRNA in fertile and subfertile yak bull spermatozoa from Arunachal Pradesh, **Journal of Genetics**, 99: 88
- Medhi, D., Paul, V., Singh, T. P., Hussain, M., Jat, S. L., Chakravarty, P., Sarkar, M. and Rakshit, S. (2021). *Efficacy of normal maize versus quality protein maize on the performances of yaks calves*. International J. of Current Microbiology and Applied Sciences, 10(7): 301-308

- d. Hanah, S. S., Paul, V., **Medhi D.**, Krishnan, G. and Deb, S. M. (2018). Efficiency of yak as pack animal for snowbound highlander, *Indian Journal of Animal Sciences* 88 (9): 1094-1096
- e. **Medhi, D.**, Chakravarty, P., Deori, S. and Santra, A. (2018). Nutritional status and compensatory growth in yak calves maintained on different plane of nutrition, *Indian Journal of Animal Sciences* 88 (4): 506–508:114-116
- f. **Medhi, D.**, Santra, A., Paul, V. and Deb, S. M (2018). Effect of plane of nutrition on blood biochemical parameters and attainment of sexual maturity in growing yaks, *Indian Journal of Animal Sciences* 88 (4): 81–84
- g. **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
- h. 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 Patnaik 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 farm and villages of Arunachal Pradesh, India, *Indian Journal of Animal Sciences* 87 (9): 1090-1091
- i. **Medhi, D.**, Bhat, N. A. and Yasir Afzal (2016) Evaluation of mulberry leaves based diets in Corriedale lambs, *Indian Journal of Animal Sciences* 86 (11): 1306-1310
- j. **Medhi, D.**, Hanah, S. S., Sarmah, P. P., Karmu Tsering, Ali, E., Das, P. J. and Deb, S. M. (2016) Performances of lactating yaks on silage and complete feed block based feeding regimens, *Indian Journal of Animal Sciences* 86 (2): 203–205
- k. S.H.Bhat, **D. Medhi**, H.A. Ahmed and F.A. Matto (2013) Nutritional Status of Dairy Cattle in the North-Western Himalayan Region of the Kashmir Valley, *Iranian J. Applied Animal Science* (2013) 3(1):31-37
- l. **Medhi, D.**, A. M. Ganai, Ahmed, H.A. and Yasir Afzal (2014) Effect of inclusion of formaldehyde treated mustard oil cakes in diets on performance of Corriedale lambs, *Indian J. Anim. Nutr.* 31(3):239-244
- m. **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 J. Anim. Nutr.*33(3):336-339

D. Membership

- : i) Permanent member of Assam Veterinary Council
- ii) Permanent member of Animal Nutrition Society of India
- iii) Permanent member of Animal Nutrition Association of India

E. Awards/Recognition:

- a) Best poster (2nd place) awards for presenting abstract entitled “*Nutritional status and compensatory growth in yak calves maintained on different plane of nutrition*” during Glance Animal Nutrition Conference’2014 held at Bengaluru, India w.e.f. 20-22nd April’2014
- b) Achieved second best poster awards for the abstract on “*Silage based feeding regimens on performances of growing yaks*” during 9th Biennial Animal Nutrition Association Conference’2015 held at Khanapara, Guwahati, India w.e.f. 22-24th January’2015