



## PROFILE OF PROF. V. K. VIDYARTHI

1. **Name** : Dr. Vijay Kumar Vidyarthi
2. **Designation** : Professor (L.P.M.) & Dean  
Nagaland University, SET, Dimapur  
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3. **Telephone No** : Phone No. 03862-247211(O)
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6. **Academic Qualifications** :

Exam Passed	Board / University	Subjects	Year	Div / Grade
Matriculation	Bihar School Exam Board, Patna	Phy, Che, Adv. Math, Hindi, Ele. Math, English, Sanskrit, Social Studies	1979	Ist
Intermediate	U.P. Board, Allahabad (U.P.)	Phy, Chem, Math, Hindi, Agril. Eng, Anim. Husb., Agronomy	1981	Ist
Graduation	Gorakhpur University, Gorakhpur (U.P.)	All subjects of B.Sc. (Ag)	1984	Ist
Post Graduation	G.B.P.U.A. &T., Pantnagar (Uttarakhand)	Animal Nutrition	1987	Ist
Doctor of Philosophy	National Dairy Research Institute, Karnal (Haryana)	Animal Nutrition	2002	Ist

### 7. Teaching and Research:

S. N.	Designation	Period (From)	To	Name of the Institution
1.	Assistant Professor (Animal Nutrition - Adhoc)	24 - 10 - 1991	25 - 06 - 1993	College of Vety. Sci. & AH, IGKV, Raipur (CG), India.
2.	Lecturer (Animal Science)	28 - 08 - 1993	22 - 10 - 2000	Faculty of Ani. Sci., MGCGVV, Chitrakoot, Distt. Satna (M. P.), India.
3.	Reader (LPM)	23 - 10 - 2000	31 - 12 - 2005	SASRD, Nagaland University, Medziphema Campus, Medziphema - 797106, Nagaland, India.
4.	Associate Professor (LPM)	01 - 01 - 2006	22 - 10 - 2009	SASRD, Nagaland University, Medziphema Campus, Medziphema - 797106, Nagaland, India.
5.	Professor (LPM)	23 - 10 - 2009	Till Now	SASRD, Nagaland University, Medziphema Campus, Medziphema - 797106, Nagaland, India.
6.	Dean	01 - 03 - 2021	Till Now	SET, Nagaland University, Dimapur - 797112, Nagaland, India

### 8. Supervision of Thesis and Dissertation

(i) **Ph. D. Students Supervised /Supervising:**

S. N.	Name of the Scholars	Year of Award	Title of Thesis
1.	V. K. Vidyarthi	1987	Effect of dietary volatile acid on rumen development and growth rate in buffalo calves (Own Ph. D. Project).
2.	Bendangyanger	2009	Studies on certain phenotypic and economic traits of local pig of Nagaland (Joint Supervisor).
3.	R. K. Chaurasia	2012	Effect of season and climatological condition on growth performance and nutrient utilization in growing Mithun ( <i>Bos frontalis</i> ).
4.	Naorem Sushma Devi	2016	Studies on dietary supplementation of phytogetic substances on growth performance, blood profile and economics of production in vanaraja birds during different seasons.
5.	Homseng Chowlu	2017	Impact of stress on account of seasonal variations on the expression profile of Heat Shock Protein Genes in Mithun ( <i>Bos frontalis</i> ).
6.	Jongpongrenla Jamir	2018	Influence of accommodation on performance of upgraded pigs (Registered).
7.	Thejanuo Rio	2019	Influence of cinnamaldehyde and cinnamic acid in the diet on performance of Vanaraja birds (Registered).
8.	Gaurav Dubey	2020	Performance of Vanaraja birds on different levels of energy and protein in Nagaland (Registered).
9.	Sayed Khaliddudin Ahmed	2020	Effect of low protein diet supplemented with protease on the performance of vanaraja chicken (Registered).
10.	Imkongsangla Jamir	2021	Effect of dietary supplementation of Neem ( <i>Azadirachta indica</i> ) leaf meal on performance of laying hens.

(ii) **M.Sc. Students Supervised /Supervising:**

S. N.	Name of the Scholars	Year of Award	Title of Thesis
1.	V. K. Vidyarthi	1987	Effect of treatment temperatures and periods on effectiveness of ammonia (urea) treatment of paddy straw (Own research).
2.	M. K. Singh	1995	Feeding strategy of buffaloes nearby Chittrakoot
3.	S. K. S. Raghuvanshi	1995	Feeding pattern of cows nearby Chittrakoot.
4.	H. K. Singh	1995	A comparative study of improved vs. indigenous flock of goats with intensive and extensive management in Chittrakoot area.
5.	A. K. Singh	1996	Nutritional status of buffaloes in the rural area of Azamgarh district in Uttar Pradesh.
6.	S. Sharma	1996	Subsistence of sheep on all roughage diet.
7.	P. K. Singh	1996	Feeding pattern of goats in the rural areas of Sakaldiha block in Varanasi district.
8.	N. K. Tripathi	1996	A study on dissonance and consonance in goat feeding in the rural areas of different blocks in Faizabad district.
9.	Pankaj Dwivedi	1998	Feeding pattern of sheep in the different block of Banda district in Uttar Pradesh.
10.	V. K. Singh	1998	Feeding pattern of sheep in some blocks of Jaunpur district in Uttar Pradesh.
11.	M. K. Srivastava	1998	Effect of alkaline hydrogen peroxide treatment on the effectiveness

			of mustard straw.
12.	K. S. Gupta	1998	Studies on improvement of mustard straw: Effect of sodium hydroxide-hydrogen peroxide treatment.
13.	V. K. Rai	1999	A study on the nutritional status of lactating cows and buffaloes in the Ghosi block of Mau district.
14.	A. P. Singh	2000	Comparative nutritional status of cross bred and pure bred cattle at organized dairy farms of Chitrakoot.
15.	K. Nring	2003	Performance of broilers supplemented with diet containing herbal growth promoters.
16.	S. Sarendi Walling	2005	Responses of broilers fed on soybean meal based diet reared under cage system.
17.	Akungnungla	2006	Performance of commercial broilers on diet supplemented with probiotics.
18.	Kobu Khate	2008	Effect of feeding rice straw, concentrate and tree leaves based complete rations (feed blocks) on nutrient utilization, nitrogen balance and rumen fermentation in Mithun ( <i>Bos frontalis</i> ).
19.	Vibeilie Keretsu Joseph	2010	Effect of feeding quality protein maize (QPM) grain on nutrient utilization and growth performance in Mithun ( <i>Bos frontalis</i> ).
20.	Kakchitabam Geetanjali Sharma	2015	Effect of different levels of probiotic on performance of broiler rabbits.
21.	Homseng Chowlu	2017	Effect of dietary supplementation of cinnamon on performance of broiler chicken.
22.	Alito Shohe	2018	Effect of dietary supplementation of turmeric on performance of broiler chicken.
23.	Thejanuo Rio	2018	Effect of dietary supplementation of ginger on performance of broiler chicken.
24.	Nang Nancy Munglang	2019	Performance of broiler chicken on diet supplemented with hot red pepper powder.
25.	Supune Rova	2020	Effect of body cooling on the performance of upgraded pig.
26.	Rose K. Lotha	2020	Performance of Vanaraja birds on diet supplemented with Aloe vera.
27.	Imkongsangla Jamir	2021	Performance of broiler chicken on phased restricted diet supplemented with fat.
28.	Akangnula R. Jamir	2021	Effect of dietary supplementation of peppermint ( <i>Mentha piperita</i> ) on performance of broiler chickens.
29.	Miss Hili K. Jimo	2022	Effect of dietary supplementation of black pepper on performance of vanaraja birds.
30.	Miss Nyanbeni Kithan	2022	Effect of dietary supplementation of Ashwagandha on performance of vanaraja birds.
31.	Miss Imsunaro Longkumer	2023	Growth performance of Tenyi Vo pig on diet supplemented with Paper Mulberry ( <i>Broussonetia papyrifera</i> ) leaf meal.

## 9. Major Research Accomplishments :

### A. Research Paper Publication

1. Jaiswal, R.S.; Vidyarthi, V.K. and Verma, M.L. (1993). Effect of level of urea, moisture and temperature on ammonia (urea) treatment of chaffed rice straw in terms of In-situ DMD, total and ammonical-N, incidence of fungus and N-loss. Indian Journal of Animal Nutrition, 10 (2): 63-70.
2. Vidyarthi, V.K. and Kurar, C.K. (1994). Effect of dietary volatile fatty acids on the development of gastro-intestinal tract and papillary development in rumen of buffalo calves. Indian Journal of Dairy Science, 47(8): 653-657.
3. Vidyarthi, V.K. and Kurar, C.K. (1994). Effect of dietary volatile fatty acid on digestibility of nutrients, growth rate and body composition in buffalo calves. Indian Journal of Dairy Science, 47(12): 1031-1037

4. **Vidyarthi, V.K. and Kurar, C.K. (1995). Effect of feeding volatile fatty acids on the development of gastro-intestinal tract and rumen papillae of buffalo calves. Indian Journal of Animal Science, 65(1): 74-79.**
5. **Vidyarthi, V.K. and Verma, M.L. (1997). Effect of treatment temperatures and durations on ammonia (urea) treatment of rice straw in terms of ammoniacal N, urea-N and total-N. New Agriculturist, 8(2): 115-122.**
6. **Singh, A.K.; Vidyarthi, V.K.; Verma, D.N. and Lal, S.N. (1998). Nutritional status of buffaloes in rural areas of Azamgarh District of Uttar Pradesh. Indian Journal of Animal Nutrition, 15(2): 126-128.**
7. **Vidyarthi, V.K. and Kurar, C.K. (1999). Effect of dietary volatile fatty acid on the blood metabolites in buffalo male calves. Indian Journal of Animal Sciences, 69(7): 518-521.**
8. **Vidyarthi, V.K. and Kurar, C.K. (1999). Effect of different levels of butyric acid on the blood metabolites in buffalo male calves. Indian Journal of Dairy Science, 52(3): 178-182.**
9. **Vidyarthi, V.K. and Kurar, C.K. (2000). Effect of dietary levels of butyric acid on ruminal volatile fatty acids concentration in buffalo calves. Indian Journal of Animal Nutrition, 17(4): 328-332.**
10. **Vidyarthi, V.K. and Sharma, Sukhdev (2000). Nutritive value of oat fodder for rams. Indian Journal of Animal Nutrition, 17(4): 344-346.**
11. **Vidyarthi, V.K. and Kurar, C.K. (2001). Rumen papillae histology as influenced by dietary supplementation of mixed volatile fatty acids in buffalo calves. Indian Journal of Animal Nutrition, 18 (1): 49-53.**
12. **Vidyarthi, V.K. and Kurar, C.K. (2001). Haematology of buffalo male calves as influenced by dietary supplementation of mixed volatile fatty acids. Indian Journal of Animal Nutrition, 18(1): 74-78.**
13. **Singh, B.B.; Mishra, A.K.; Vidyarthi, V.K. and Verma, D.N. (2001). Blood profile of Guinea fowl and broiler chicken. Indian Journal of Animal Nutrition, 18(1): 99-101.**
14. **Vidyarthi, V.K. and Kurar, C.K. (2001). Influence of dietary butyrate on growth rate, efficiency of nutrient utilization and cost of unit gain in Murrah buffalo (*Bubalus bubalis*) male calves. Australasian Journal of Animal Sciences, 14(4): 474-478.**
15. **Gupta, K.S.; Chaturvedi, O.H.; Vidyarthi, V.K.; Mishra, A.S.; Prasad, R. and Mishra, A.K. (2001). Effect of sodium hydroxide and hydrogen peroxide treatment on nutritive value of mustard straw. Indian Journal of Animal Sciences, 71(11): 1078-1081.**
16. **Singh, B.B.; Mishra, A.K.; Vidyarthi, V.K.; Sharma, V.B. and Verma, D.N. (2003). Hematological variation in broiler chicken and different strains of guinea fowl. Indian Journal of Poultry Science 38(1): 60-62.**
17. **Vidyarthi, V.K.; Sharma, V.B. and Kurar, C.K. (2003). Nutrient intake vis-à-vis growth rate of buffalo calves raised on diet supplemented with different volatile fatty acids. Journal of Interacademia, 7(3): 300-305.**
18. **Vidyarthi, V.K.; Sharma, V.B. and Zuyie, R. (2004). Influence of dietary protein level on reproductive performance in ruminants – A Review. Nagaland University Research Journal, 2: 65-71.**
19. **Vidyarthi, V.K.; Sharma, V.B. and Kurar, C.K. (2005). Response of buffalo male calves on volatile fatty acid concentration in rumen fed diet containing short chain fatty acids. The Royal Veterinary Journal of India, 1(1): 31-36.**
20. **Vidyarthi, V.K.; Sharma, V.B. and Kurar, C.K. (2005). Ruminal VFA production in buffalo calves fed on diet supplemented with short chain fatty acids. The Royal Veterinary Journal of India, 2(1):19-23.**
21. **Vidyarthi, V. K.; Zuyie, R.; Sharma, V.B. and Verma, M. L. (2008). In situ digestibility of paddy straw treated with ammonia (urea) and incubated at different temperatures and periods. Nagaland University Research Journal, 5:80-85.**
22. **Vidyarthi, V. K.; Singh, H.K.; Sharma, V.B. and Sharma, A. (2008). Reproduction, milk production and economics of improved vs. indigenous goat rearing by intensive and extensive management. Journal of Interacademia, 12(1):106-111.**
23. **Chaurasia, R.K.; Vidyarthi, V.K.; Rai, D.C.; Zuyie, R. and Sharma, V.B. (2008). Effect of dietary probiotic on the performance and economy of rearing Vanaraja birds. Indian Journal of Animal Production and Management, 24 (1-2):18-21.**

24. Vidyarthi, V.K.; Singh, P.K.; Rai, D.C. and Sharma, V.B. (2008). Feeding system vis-à-vis nutrient supply to lactating indigenous goats under intensive management. *Indian Journal of Animal Production and Management*, 24(1-2):22-27.
25. Sharma, A; Vidyarthi, V.K.; Singh, J.; Sharma, P.K. and Lavania, M.K. (2008). To study the occupational and human labour utilization from dairy enterprise on different farm size groups. *The Andhra Agricultural Journal*, 55 (2): 232-236.
26. Bendangyanger; Sharma, V.B.; Vidyarthi, V.K.; Bora, N.N.; Saharia, J. and Sarmah, B.K. (2008). Reproductive traits of indigenous pigs of Nagaland. *Indian Veterinary Journal*, 85(11):1200-1202.
27. Rai, V.K.; Vidyarthi, V.K.; Rai, D.C. and Sharma, V.B. (2008). Nutrient availability to lactating cows and buffaloes in Mau district of Uttar Pradesh. *Environment and Ecology*, 27(1):228-232.
28. Vidyarthi, V.K. and Kurar, C.K. (2008). Performance of growing Murrah buffalo calves as affected by dietary addition of VFA in the rumen. *The Royal Veterinary Journal of India*, 4 (2): 16-19.
29. Vidyarthi, V.K.; Nring, K. and Sharma, V.B. (2008). Influence of herbal growth promoters on the performance and economy of rearing of broiler chicken. *Indian Journal of Poultry Science*, 43 (3): 297-300.
30. Vidyarthi, V.K.; Tripathi, N.K. and Sharma, V.B. (2008). Nutrient availability of lactating goats under field conditions in Faizabad district of Uttar Pradesh. *Journal of Interacademia*, 13(3): 297-302.
31. Bendangyanger; Sharma, V.B.; Vidyarthi, V.K.; Bora, N.N.; Saharia, J. and Sarmah, B.K. (2009). Studies of some productive traits in indigenous pigs of Nagaland. *Indian Veterinary Journal*, 86(1):53-54.
32. Vidyarthi, V.K.; Singh, M.K.; Rai, D.C. and Sharma, V.B. (2009). Nutritional status of lactating buffaloes in Chitrakoot. *Indian Journal of Animal Nutrition*, 26(1): 64-66.
33. Zuyie, R.; Sharma, V.B.; Bujarbaruah, K.M. and Vidyarthi, V.K. (2009). Performance of vanaraja birds under extensive system of rearing at different altitudes in Nagaland. *Indian Journal of Poultry Science*, 44(3):411-413.
34. Nizamuddin; Jakhalu, A.; Vidyarthi, V.K. and Sharma, V.B. (2010). Economy of broiler chicken production on diet supplemented with herbal growth promoter. *Nagaland University Research Journal*, 6:97-101.
35. Vidyarthi, V.K. and Kurar, C.K. (2010). Dietary supplementation of mixture of short chain fatty acids on feed conversion efficiency and cost of unit gain of buffalo (*Bubalus bubalis*) calves. *Environment and Ecology*, 28 (1):69-73.
36. Vidyarthi, V. K.; Gupta, R. C. and Sharma, V. B. (2010). Effect of herbal additives on the performance of broiler chicken. *Indian Veterinary Journal*, 87 (3):258-260.
37. Vidyarthi, V.K.; Tripathi, N.K.; Rai, D.C. and Sharma, V.B. (2010). Nutritional status of goats under field conditions in Faizabad district of Uttar Pradesh. *Environment and Ecology*, 28 (1A):421-424.
38. Vidyarthi, V.K.; Gupta, R.C. and Sharma, V.B. (2010). Effect of dietary taurine on the performance and economy of broiler chicken production. *Indian Veterinary Journal*, 87 (4):373-375.
39. Vidyarthi, V.K.; Zuyie, R.; Nizamuddin and Sharma, V.B.(2010). Effect of commercial enzyme supplementation on the performance of broiler chicken. *Indian Veterinary Journal*, 87 (6):579-580.
40. Vidyarthi, V.K.; Akangnungla and Sharma, V.B. (2010). Effect of probiotic supplementation on broiler. *Indian Veterinary Journal*, 87 (10):1051-1053.
41. Vidyarthi, V. K.; Walling, Sarendi, S. and Sharma, V. B. (2010). Effect of different levels of soybean meal feeding on performance of broilers. *Indian Veterinary Journal*, 87 (10):1054-1056.
42. Srivastava, M. K. and Vidyarthi, V. K. (2010). Effect of methods of incubation on nutritive value of mustard straw treated with various levels of urea and hydrogen peroxide. *Indian Journal of Environment and Ecoplanning*, 17 (3): 379-386.
43. Bendangyanger; Sharma, V. B. and Vidyarthi, V. K. (2010). Performance of broiler reared under cage system at different stocking densities. *Indian Journal of Animal Production and Management*, 26 (3-4): 149-152.
44. Bendangyanger; Sharma, V. B. and Vidyarthi, V. K. (2010). Effect of different stocking densities on the performance of commercial broiler under cage system of rearing. *Indian Journal of Environment and Ecoplanning*, 17 (3): 425-430.
45. Ahmed, S. K.; Sharma, V. B. and Vidyarthi, V. K. (2010). Performance of commercial broiler raised on various types of litter materials. *Indian Journal of Environment and Ecoplanning*, 17 (3): 431-436.

46. Vidyarthi, V.K.; Srivastava, M.K.; Zuyie, R. and Sharma, V.B. (2010). Effect of different levels of urea and hydrogen peroxide treatment on nutritive value of mustard straw. *Indian Journal of Animal Nutrition*, 24 (4):364-368.
47. Chaurasia, R. K.; Vidyarthi, V. K.; Mech, A.; Dhali, A.; Rajkhowa, C. and Sharma, V. B. (2010). Effect of altitude and season on rectal temperature, pulse rate and respiration rate in mithun. *Indian Journal of Hill Farming*, 23 (2):25-29.
48. Vidyarthi, V.K.; Zuyie, R.; Nizamuddin; Savino, N. and Sharma, V.B. (2011). Influence of dietary antioxidant on the performance of broilers. *Indian Veterinary Journal*, 88 (3):51-52.
49. Khate, Kobu; Vidyarthi, V.K.; Prakash, B. and Rajkhowa, C. (2011). Rumen fermentation pattern in mithun on complete feed block based rations. *Indian Veterinary Journal*, 88 (5):41- 43.
50. Vidyarthi, V.K.; Zuyie, R.; Savino, N. and Sharma, V.B. (2011). Effect of dietary selenium supplementation on performance of broiler chickens. *Indian Journal of Animal Production and Management*, 27(1-2): 91-93
51. Rutsa, M. C.; Sharma, V.B.; Bujarbaruah, K.M.; Vidyarthi, V.K.; Zuyie, R. and Mech, A. M. (2011). Effect of different breeds, caging system and seasons on production of broiler rabbit in Nagaland. *Indian Journal of Animal Production and Management*, 27 (3-4): 179-182.
52. Vidyarthi, V.K.; Zuyie, R.; Savino, N. and Sharma, V.B. (2011). Performance of broilers on diet supplemented with SEL-VIT E as an antioxidant. *Indian Journal of Animal Production and Management*, 27 (3-4): 222-224.
53. Zuyie, R.; Sharma, V.B.; Bujarbaruah, K.M. and Vidyarthi, V.K. (2011). Production performance of vanaraja birds in Nagaland. *Indian Veterinary Journal*, 88 (8):138 -139.
54. Nizamuddin; Jakhalu, A.; Vidyarthi, V.K. and Zuyie, R. (2011). Effect of herbal growth promoter on the performance and economics of broiler chicken production. *Indian Journal of Poultry Science*, 46 (2):177-180.
55. Khate, Kobu; Vidyarthi, V.K.; Prakash, B.; Rajkhowa, C. and Sharma, V. B. (2011). Evaluation of thumero (*Lagerstroemia speciosa*) loppings for incorporation in mithun (*Bos frontalis*) rations. *Indian Journal of Animal Nutrition*, 28 (3):259-262.
56. Vidyarthi, V.K.; Sharma, S.; Zuyie, R.; Rai, D.C. and Sharma, V.B. (2011). Growth performance of crossbred rams fed on all oat fodder. *Indian Journal of Animal Nutrition*, 28 (3):299-302.
57. Khate, Kobu; Vidyarthi, V.K.; Prakash, B.; Rajkhowa, C. and Sharma, V. B. (2012). Evaluation of different levels of thumero leaves under complete feed block diets in mithun (*Bos frontalis*) rations. *Indian Veterinary Journal*, 89 (8):128-130.
58. Chaurasia, R. K.; Vidyarthi, V. K.; Dhali, A.; Rajkhowa, C. and Sharma, V. B. (2013). Effect of different seasons on growth performance and nutrient utilization in mithun calves. *Indian Veterinary Journal*, 90 (1):127-129.
59. Chaurasia, R. K.; Vidyarthi, V. K.; Rajkhowa, C. and Sharma, V. B. (2013). Effect of different altitudes on growth performance and nutrient utilization in mithun calves. *Indian Journal of Animal Sciences*, 83 (12):1351-1354.
60. Chaurasia, R. K. and Vidyarthi, V. K. (2013). Performance of vanaraja birds with probiotics supplementation at Zunheboto under Nagaland condition. *Review of Research Journal*, 3(1):1-3.
61. Nizamuddin; Ao, Achila; Vidyarthi, V.K. and Sharma, V.B. (2013). Performance of broiler chicken production on diet supplemented with mixed enzyme. *Indian Journal of Poultry Science*, 48(2): 250 - 253
62. Chaurasia, R. K.; Mech, A.; Dhali, A.; Vidyarthi, V. K. and Rajkhowa, C. (2014). Effect of altitude and season on dry matter intake, THI and growth rate in mithun (*Bos frontalis*). *Indian Journal of Animal Sciences*, 84 (7): 799 - 801.
63. Choudhury, H.; Sharma, V.B.; Dhali, A.; Rajkhowa, C.; Choudhury, M.D.; Vidyarthi, V.K.; Kumar, S.; Naskar, S.; Baruah, U. K. and Sarma, D. K. (2014). Chromosomal characteristics of Tho -Tho cattle (*Bos indicus*) in Nagaland, India. *African Journal of Agricultural Research*, 9(38): 2894 - 2900.
64. Chaurasia, R. K.; Vidyarthi, V. K. and Dhali, A. (2015). Variation and correlation of plasma cortisol and THI in mithun calves during different seasons and at different altitudes. *International Journal of Research in Agricultural Sciences*, 2 (2): 100 - 101.
65. Choudhury, H.; Sharma, V.B.; Dhali, A.; Choudhury, M.D.; Kumar, Subodh and Vidyarthi, V.K. (2015). Haematological profile in Tho -Tho cattle (*Bos indicus*) in Nagaland and its comparison to mithun (*Bos frontalis*) and Assam local cattle (*Bos indicus*). *The North-East Veterinarian*, 15 (1): 10 - 14.

66. Vidyarthi, V.K. and Kurar, C.K. (2015). Efficiency of nutrient utilization and cost of rearing of buffalo calves fed restricted milk diet along with volatile fatty acids. *International Journal of Advanced Research in Biological Sciences*, 2 (11): 25 - 31.
67. Nizamuddin; Bernard, D. S. B. and Vidyarthi, V.K. (2015). Performance of broiler chicken on two rearing systems. *Indian Journal of Animal Production and Management*, 31(3 - 4): 148 - 152.
68. Bora, I. P.; Sharma, V.B. and Vidyarthi, V.K.; (2015). Comparative evaluation of physical characteristics of mithun (*Bos frontalis*). *Indian Journal of Animal Production and Management*, 31 (3 - 4): 159 - 161.
69. Sharma, K. Geetanjali; Vidyarthi, V. K.; Archana, K. and Zuyie, R. (2016). Probiotic supplementation in the diet of rabbits - A Review. *Livestock Research International*, 04 (01): 1 - 10.
70. Vidyarthi, V.K.; Nring, K. and Sharma, V.B. (2016). Influence of herbal growth promoters on the performance and economy of rearing of broiler chicken. *Livestock Research International*, 04 (01): 41 - 46.
71. Archana, K.; Zuyie, R.; Sharma, K. Geetanjali and Vidyarthi, V. K. (2016). Organic acid supplementation in the diet of broiler chicken - A Review. *Livestock Research International*, 04 (04): 112 - 119.
72. Sharma, K. Geetanjali; Vidyarthi, V. K. and Zuyie, R. (2016). Effect of different levels of probiotics on performance of broiler rabbits. *Indian Journal of Animal Nutrition*, 33 (3): 331 - 335
73. Bora, I. P.; Sharma, V.B. and Vidyarthi, V.K.; (2016). Evaluation of physiological, biochemical and ethological characteristics of mithun (*Bos frontalis*). *Indian Journal of Animal Production and Management*, 32 (1 - 2): 36 - 41.
74. Zeliang, Angaule Khate; Sharma, V.B. and Vidyarthi, V.K. (2016). Influence of different altitudes on productive and reproductive performance of pigs. *Indian Journal of Animal Sciences*, 86 (08): 892 - 894.
75. Devi, N. S.; Zuyie, R.; Vidyarthi, V. K. and Rutsa, M. C. (2017). Performance of vanaraja birds under daily and skip - a - day feeding. *Asian Academic Research Journal of Multidisciplinary*, 04 (09): 54 - 59.
76. Chaurasia, R. K.; Vidyarthi, V. K. and Dhali, A. (2017). Effect of altitudes and seasons on body weight gain in mithun calves. *Indian Journal of Hill Farming*, 30 (01): 17 - 18.
77. Sharma, K. Geetanjali; Vidyarthi, V. K. and Zuyie, R. (2017). Influence of probiotics on performance of broiler rabbits. *Indian Veterinary Journal*, 94 (07): 53 - 55.
78. Chowlu, Homseng; Vidyarthi, V. K. and Zuyie, R. (2018). Use of cinnamon in diet of broiler chicken - A Review. *Livestock Research International*, 06 (02): 42 - 47.
79. Chaurasia, R. K. and Vidyarthi, V. K. (2018). Variation in  $\alpha$ -amino nitrogen, NEFA, urea and THI in mithun calves at various altitudes. *Indian Journal of Animal Sciences*, 88 (4): 474 - 476.
80. Devi, N. Diana; Nizamuddin and Vidyarthi, V. K. (2019). Effect of dietary supplementation of probiotic on the performance of broiler chicken. *Livestock Research International*, 07 (02): 62 - 67.
81. Keretsu, V. J.; Vidyarthi, V. K. and Zuyie, R. (2019). Evaluation of quality protein maize in mithun calves (*Bos frontalis*). *Livestock Research International*, 07 (02): 68 - 70.
82. Archana, Khaidem; Zuyie, R. and Vidyarthi, V. K. (2019). Effects of dietary addition of organic acid on performance of broiler chicken. *Livestock Research International*, 07 (02): 71 - 76.
83. Shohe, Alito; Vidyarthi, V. K. and Zuyie, R. (2019). Performance of broiler chicken on diet supplemented with turmeric powder (*Curcuma longa*). *Livestock Research International*, 07(02): 77 - 82.
84. Chowlu, Homseng; Vidyarthi, V. K.; Zuyie, R. and Maiti, C. S. (2019). Effect of dietary supplementation of cinnamon on the performance of broiler chicken. *Livestock Research International*, 07 (02): 83 - 87.
85. Rio, Thejanuo; Vidyarthi, V. K. and Zuyie, R. (2019). Effect of dietary supplementation of ginger powder (*Zingiber officinale*) on performance of broiler chicken. *Livestock Research International*, 07 (02): 125 - 131.
86. Micheal, Imti Imchen; Nizamuddin and Vidyarthi, V. K. (2019). Effect of supplementation of fermented soybean meal on the performance of turkey birds. *Livestock Research International*, 07 (02): 132 - 136.

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89. Munglang, Nang Nancy and Vidyarthi, V. K. (2019). Hot red pepper powder supplementation diet of broiler chicken - A Review. *Livestock Research International*, 07 (03): 159 - 167.
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97. Chowlu, Homseng; Vidyarthi, V. K. and Mukherjee, Sabayasacchi. (2020). Performance of animals attributed by heat stress - A Review. *Livestock Research International*, 08 (04): 125 – 133.
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100. Akungnungla and Vidyarthi, V. K. (2020). Assessment of probiotics addition in poultry production - A Review. *Livestock Research International* 08 (04): 173 - 185.
101. Lotha, Rose K. and Vidyarthi, V. K. (2020). Addition of *aloe vera* pulp dried powder in the diet On performance of vanaraja birds. *Livestock Research International*, 08 (04): 186 - 192.
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119. Merentula; Zuyie, R.; Vidyarthi, V. K.; Rutsa, M. Catherine and Singh, Rajan. (2023). Effect of different types of litter material on the performance and carcass yield of broiler chicken. *Research Journal of Agricultural Sciences*, 14(05): 1454 -1460.
120. Jamir, Jongpongrenla; Vidyarthi, V.K.; Rutsa, M.C.; Rengma, Drusilla Jishing; Rio, Thejanuo and Devi, Naorem Diana. (2023). Reproductive traits of crossbred pigs reared under two accommodations. *Biological Forum - An International Journal*, 15(5): 597 - 601.
121. Jamir, Jongpongrenla; Vidyarthi, V.K. ; Rutsa, M.C.; Rio, Thejanuo; Rengma, Drusilla Jishing and Devi, Naorem Diana. (2023). Farrowing behaviour of crossbred pigs reared under two accommodations. *Biological Forum - An International Journal*, 15(5): 618 - 623.
122. Devi, Naorem Diana; Zuyie, R.; Vidyarthi, V.K.; Nizamuddin, Rutsa, M.C.; Longkumer, J.; Das, Sanjoy and Singh, Rajan. (2023). Laying performance and egg quality traits of Vanaraja birds as influenced by dietary supplementation of Turmeric powder. *Biological Forum - An International Journal*, 15(6): 297 - 301.
123. Dozo, Vineituono; Savino, N.; Vidyarthi, V. K.; Zuyie, R.; Nizamuddin; Rutsa, M. C. and Singh, Rajan. (2023). Performance of broiler chicken on diet supplemented with black pepper (*Piper Nigrum*) powder on haematological and biochemical parameters. *Journal of Advanced Zoology* 44 (04): 1040 - 1046.
124. Lanuyanger; Nizamuddin; Rutsa, M. C.; Zuyie, R.; Vidyarthi, V. K.; Savino, N. and Singh, Rajan. (2023). Productive and reproductive performance of male Tenyivo pig in field condition. *Uttar Pradesh Journal of Zoology*, 44 (11): 7 - 14.

**(B) Membership of professional Bodies, Societies etc :**

- (i) Life Member of Animal Nutrition Society of India.
- (ii) Life Member of Animal Nutrition Association of India.
- (iii) Life Member of Indian Society of Animal Production and Management.
- (iv) Life Member of Indian Poultry Science Association.
- (v) Life Member of Indian Buffalo Development Society.
- (vi) Life Member of Indian Veterinary Journal.
- (ix) Life Member of Swine Production Society of India.
- (x) Life Member of Indian Academy of Veterinary Nutrition and Animal welfare

**10. Experience in Management/ Administration**

- (i) Dean, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (ii) Chairman, School Board, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (iii) Member of Executive Council, Nagaland University, Lumami, Nagaland, from October, 2013 to August, 2015 and 01 – 03 – 2021 till date.
- (iv) Member of Academic Council, Nagaland University, Lumami, Nagaland, from 21. 03. 2003 to 18. 04. 2006 and 03. 11. 2011 till date.
- (v) Head, Department of Livestock Production & Management, Nagaland University, SASRD, Medziphema Campus, Nagaland from 21.03.2003 to 18.04.2006; 09.11.2012 to 08. 12. 2015 and 07. 12. 2018 to 31 – 05 - 2021.
- (vi) Head, Department of Agricultural Engineering and Technology, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (vii) Head, Department of Biotechnology, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (viii) Head, Department of Computer Science and Engineering, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (ix) Head, Department of Information Technology, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (x) Head, Department of Electronic and Communication Engineering, School of Engineering and Technology, Nagaland University, Dimapur, Nagaland from 01 – 03 – 2021 till date.
- (xi) Chairman, Board of Post Graduate Studies, Department of Livestock Production and Management, Nagaland University, SASRD, Medziphema Campus Nagaland from 21.03.2003 to 18.04.2006; 09.11.2012 to 08. 12. 2015 and 07. 12. 2018 to 31 – 05 - 2021.
- (xii) Member of Planning Board, Nagaland University, Lumami, Nagaland, w. e. f. 21. 03. 2003 to 18. 04. 2006; 09.11. 2012 to 08. 12. 2015 and 07. 12. 2018 till date.
- (xiii) Member of University Court, Nagaland University, Lumami, Nagaland, w. e. f. 21.03.2003 to 18.04.2006; 09.11.2012 to 08. 12. 2015 and 07. 12. 2018 till date.
- (xiv) Member of Board of Research Studies, Nagaland University, Lumami, Nagaland, w. e. f. 21. 03. 2003 to 18. 04. 2006; 09.11. 2012 to 08. 12. 2015 and 07. 12. 2018 till date.
- (xv) Member of Board of School, SASRD, Nagaland University, Medziphema Campus, Nagaland w. e. f. October, 2000 to August 2008 and September, 2010 till date.
- (xvi) Member of Campus Development Board, SASRD, Nagaland University, Medziphema Campus, Nagaland, w. e. f. 21. 03. 2003 to 18. 04. 2006; 09.11. 2012 to 08. 12. 2015 and 07. 12. 2018 to 31 – 05 - 2021.
- (xvii) Member, Library Committee, SASRD, Nagaland University, Medziphema Campus, Nagaland, w. e. f. 21. 03. 2003 to 18. 04. 2006; 09.11. 2012 to 08. 12. 2015 and 07. 12. 2018 to 31 – 05 - 2021.
- (xviii) Member of Post Graduate Admission Counseling, SASRD, Nagaland University, Medziphema Campus, Nagaland, w. e. f. 21. 03. 2003 to 18. 04. 2006; 09.11. 2012 to 08. 12. 2015 and 07. 12. 2018 to 31 – 05 - 2021.
- (xix) In charge, Academic Cell (UG), SASRD, Nagaland University, Medziphema Campus, Nagaland from 06. 05. 2002 to 08. 04. 2003.

- (xx) **Member, Rural Agricultural Work Experience Manual Formulation Committee, SASRD, Nagaland University, Medziphema Campus, Nagaland.**
- (xxi) **Member of Board of Post Graduate Studies (LPM) SASRD, Nagaland University, Medziphema Campus, Nagaland w.e.f. 29. 09. 2000 to 20. 03. 2003; 19. 04. 2006 to 08.11. 2012 and 09.12. 2015 to 06. 12. 2018 and 01 – 06 – 2021 till date.**
- (xxii) **Member of Board of Post Graduate Studies (Agril. Economics), SASRD, Nagaland University Medziphema Campus, Nagaland w.e.f. 19.04.2005 to 18.04.2008 and October, 2014 to September, 2017.**
- (xxiii) **In charge, Department of Animal Nutrition, Mahatma Gandhi Chittrakoot Gramodaya Vishwavidyalaya Chittrakoot, Satna (M.P.) w. e. f. 28. 08. 1993 to 26. 09. 2000.**
- (xxiv) **Member of Board of Studies of Department of Animal Nutrition and LPM, Mahatma Gandhi Chittrakoot Gramodaya Vishwavidyalaya Chittrakoot, Satna (M.P.) w. e. f. 28.8.93 to 26.9.2000.**
- (xxv) **Extension Representative (Animal Sciences), Mahatma Gandhi Chittrakoot Gramodaya Vishwavidyalaya Chittrakoot, Satna (M.P.) w. e. f. 28. 8. 1993 to 26. 09. 2000.**
- (xxvi) **Chairman, Flying Squad, Mahatma Gandhi Chittrakoot Gramodaya Vishwavidyalaya Chittrakoot, Satna (M.P.) from 15. 07. 1994 to 14. 07.1997.**
- (xxvii) **Extension Representative (Animal Nutrition), College of Veterinary Science & A.H., IGKV, Raipur from November 1991 to July, 1993.**
- (xxviii) **Member, Board of Directors, Directorate of Veterinary and Animal Husbandry, Government of Nagaland from Mar, 2003 to Feb, 2006 and 09.11.2012 to 08.12.2015.**

**11. Papers Presented/Research Abstracts Published in Different Conferences etc.**

1. **Vidyarathi, V.K. and Kurar, C.K. (1991). Effect of feeding volatile fatty acid in the diet of preruminant buffalo calves on VFA concentration in rumen and growth rate, In: Indian Dairy Symposium on July 5, 1991 at N.D.R.I., Karnal.**
2. **Vidyarathi, V.K. and Kurar, C.K. (1991). Effect of feeding butyric fatty acid in the diet of preruminant buffalo calves on digestibility and growth rate, In: First International Animal Nutrition Worker's Conference for Asia and Pacific on September 23-28, 1991 at N.D.R.I. Bangalore. Com. 2. No. 241.**
3. **Singh, A.K. and Vidyarathi, V.K. (1997). Nutritional status of buffalo in rural areas of Azamgarh district of Uttar Pradesh. In: VIII Animal Nutrition Research Workers Conference on December 11-14, 1997 at Chennai. Com. 2. No. 335.**
4. **Tripathi, N.K. and Vidyarathi, V.K. (1998). A study on the nutrients deficiencies in goats in Faizabad district (U.P.). In : Golden Jubilee National Symposium on Feeding Strategies for Sustainable Livestock Production with Emphasis on Non-conventional Feeds and Systems for Protein Evaluation in Ruminants on June, 19-20, 1998 at Palampur No. 70.**
5. **Vidyarathi, V.K. and Verma, M.L. (1998). Effect of treatment temperature and duration on Ammonia (urea) treatment of rice straw in terms of Ammoniacal-N, Urea-N and Total-N. In: National Symposium on Agricultural Scenario and Emerging Issue for 21<sup>st</sup> Century on February 21-22, 1998 at Allahabad. No. 81.**
6. **Vidyarathi, V.K. and Verma, M.L. (1998). Effect of treatment temperature and duration on NBDMD of Ammonia (urea) treated rice straw. In: National Symposium on Agricultural Scenario and Emerging Issue for 21<sup>st</sup> Century on February 21-22, 1998 at Allahabad, No. 133.**
7. **Vidyarathi, V.K.; Singh, H.K. and Gupta, J.K. (1999). Reproduction, milk production and economics of improved vs. indigenous goat rearing by intensive and extensive management. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 38.**
8. **Singh, M.K. and Vidyarathi, V.K. (1999). Nutritional status of lactating buffaloes in Chittrakoot. In: IX Animal Nutrition Research Workers Conference on Dec, 2-4, 1999 at Hyderabad. Com. 2. No. 39.**
9. **Vidyarathi, V.K. and Sharma, S. (1999). Growth performance of cross bred rams fed on oat fodder. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 65.**
10. **Vidyarathi, V.K. and Kurar, C.K. (1999). Effect of supplementation of mixed volatile fatty acids on plasma insulin, plasma VFA and blood glucose in male buffalo calves. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 80.**

11. **Vidyarthi, V.K. and Kurar, C.K. (1999). Effect of dietary levels of butyric acid on the blood metabolites in male buffalo calves. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 81.**
12. **Vidyarthi, V.K. and Kurar, C.K. (1999). Effect of dietary volatile fatty acid on blood metabolites and papillary development in male buffalo calves. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 82.**
13. **Srivastava, M.K.; Vidyarthi, V.K.; Prasad, R. and Jakhmola, R.C. (1999). Effect of mustard straw treatment with different levels of hydrogen peroxide and urea on in-vitro nutrients digestibility. In: IX Animal Nutrition Research Workers Conference on Dec, 2-4, 1999 at Hyderabad. Com. 2. No. 145.**
14. **Vidyarthi, V.K. and Sharma, S. (1999). Nutritive value of oat fodder for rams. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 195.**
15. **Gupta, K.S.; Vidyarthi, V.K.; Chaturvedi O.H.; Mishra, A.S. and Prasad, R. (1999). Effect of Sodium Hydroxide – Hydrogen Peroxide treatment on mustard straw. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 210.**
16. **Singh, B.B.; Mishra, A.K.; Vidyarthi, V.K. and Verma, D.N. (1999). Hematological profile of Guinea fowl and broiler chicken. In: IX Animal Nutrition Research Workers Conference on December 2-4, 1999 at Hyderabad. Com. 2. No. 367.**
17. **Singh, B.B.; Mishra, A.K.; Vidyarthi V.K. and Verma, D.N. (1999). Biochemical parameter of blood profile in different strains of Guinea fowl and broiler chicken. In: IX Animal Nutrition Research Workers Conference on December 2-4. 1999 at Hyderabad. Com. 2. No. 369.**
18. **Vidyarthi, V.K. and Kurar, C.K. (2001). Performance of growing Murrah buffalo calves as affected by dietary addition of volatile fatty acids in the rumen. In: V Agricultural Science Congress: Sustainable Development of Mountain Agriculture on April 4-7, 2001 at Guwahati. No. P- 264.**
19. **Singh, B.B.; Vidyarthi, V.K.; Mahanta, S.K.; Pailan, G.H.; Pachauri, V.C. and Verma, N.C. (2001). Nutritional performance of goats maintained on three systems of grazing management with barley grain supplementation in Bundelkhand during winter season. In: X Animal Nutrition Conference on November 9-11, 2001 at Karnal. No. 34.**
20. **Singh, A.K.; Tripathi, N.K. and Vidyarthi, V.K. (2001). Nutritional status and milk production of buffaloes in rural areas of Azamgarh district of U.P. In: X Animal Nutrition Conference on November 9-11, 2001 at Karnal No. 177.**
21. **Rai, V.K.; Vidyarthi, V.K. and Sharma, V.B. (2001). Conventional feeding to lactating cows and buffaloes in rural areas of Mau district of U.P. and its consonance with supply and requirements of nutrients. In: X Animal Nutrition Conference of November 9-11, 2001 at Karnal. No. 182.**
22. **Tripathi, N.K.; Singh, A.K. and Vidyarthi, V.K. (2001). Effect of nutrient intake on milk production in goats. In: X Animal Nutrition Conference on November 9-11, 2001 at Karnal. No. 183.**
23. **Singh, P.K.; Vidyarthi, V.K. and Sharma, V.B. (2001). Intensive management of lactating indigenous goats and its consequences on the supply and requirements of nutrients. In: X Animal Nutrition Conference on November 9-11, 2001 at Karnal. No. 184.**
24. **Reshmi, B.; Vidyarthi, V.K.; Sharma, V.B. and Gupta, R.C. (2001). Dietary addition of taurine on weight gain and feed efficiency in broiler. In: X Animal Nutrition Conference on November 9-11, 2001 at Karnal. No. 405.**
25. **Nizamuddin; Jakhalu, A.; Vidyarthi, V.K. and Sharma, V.B. (2004). Performance of broilers on diets with Megacal: a herbal growth promoter. In: V Biennial Conference of Animal Nutrition Association on November 24-26, 2004 at Bangalore. No. 359.**
26. **Nizamuddin; Jakhalu, A.; Vidyarthi, V.K. and Sharma, V.B. (2004). Effect of Megacal on the biochemical and hematological parameters in broiler chicken. In: V Biennial Conference of Animal Nutrition Association on November 24-26, 2004 at Bangalore. No. 360.**
27. **Nizamuddin; Jakhalu, A.; Vidyarthi, V.K.; Sharma, V.B. and Sharma, A. (2004). Effect of Megacal: an herbal growth promoter on economics of broiler production. In: V Biennial Conference of Animal Nutrition Association on November 24-26, 2004 at Bangalore. No. 361.**
28. **Nring, K.; Vidyarthi, V.K.; Sharma, V.B. and Nizamuddin. (2004). Economics of broiler production on diet supplemented on some natural herbs. In: V Biennial Conference of Animal Nutrition Association on November 24-26, 2004 at Bangalore. No. 362.**
29. **Ahmed, S.K.; Sharma, V.B. and Vidyarthi, V.K. (2005). Evaluation of different litter materials on growth, feed conversion and carcass yield in broilers. In: XXIII Annual Conference and National Symposium (IPSACON 2005) on February 2-4, 2005 at PDP, Hyderabad. No. 342.**

30. **Ahmed, S.K.; Sharma, V.B. and Vidyarthi, V.K. (2005). Influence of different types of litter on the economical production of Vencob Broilers in Nagaland. In: XXIII Annual Conference and National Symposium (IPSACON 2005) on February 2- 4, 2005 at PDP, Hyderabad. No. 343.**
31. **Nizamuddin; Singh, A.K.; Vidyarthi, V.K.; Sharma, V.B. and Savino, N. (2005). Economic evaluation of mash and pellet diets on broiler production reared under cage system. In: XXIII Annual Conference and National Symposium (IPSACON 2005) on February 2-4, 2005 at PDP, Hyderabad. No. 420.**
32. **Prakash, B.; Mondal, M.; Vidyarthi, V.K and Rajkhowa, C. (2006). Effect of different fodders and concentrate based total mixed rations on nutrient utilization and growth in mithun calves. In: XII Animal Nutrition Conference on January, 7-9, 2006 at GAU, Anand. No. NU. 85.**
33. **Srivastava, M.K.; Vidyarthi, V.K.; Prasad, R.; Zuyie, R.; Sharma, V.B. and Prakash, B. (2006).Effect of methods of incubation on the effectiveness of hydrogen peroxide and urea treated mustard straw. In: XII Animal Nutrition Conference on January 7-9, 2006, at GAU, Anand. No. Proc. 28.**
34. **Srivastava, M.K.; Vidyarthi, V.K.; Prasad, R.; Zuyie, R.; Sharma, V.B. and Prakash, B. (2006).Effect of hydrogen peroxide and urea treatment of mustard straw on proximate principles and ammonia nitrogen concentration. In: XII Animal Nutrition Conference to be held from January 7-9, 2006 at GAU, Anand. No Proc. 29.**
35. **Walling, Sarendi S.; Vidyarthi, V.K. and Sharma, V.B. (2006). Evaluation of different levels of soybean meal on growth and feed conversion efficiency in broiler chickens. In: XII Animal Nutrition Conference on January 7- 9, 2006 at GAU, Anand. No. Mono. 01.**
36. **Walling, Sarendi S.; Vidyarthi, V.K. and Sharma, V.B. (2006). Influence of substitution of ground nut cake with soybean meal on the cost of production of broiler. In: XII Animal Nutrition Conference on January 7-9, 2006 at GAU, Anand. No. Mono. 02.**
37. **Zuyie, R.; Sharma, V.B. and Vidyarthi, V.K. (2006). Effect of stocking density on growth and feed conversion ratio of two strains of broilers. In: XII Animal Nutrition Conference on January 7-9, 2006 at GAU, Anand. No. Mono. 39.**
38. **Zuyie, R.; Sharma, V.B. and Vidyarthi, V.K. (2006). Effect of stocking density on cost of production of two strains of broiler in Nagaland. In: XII Animal Nutrition Conference on January 7-9, 2006 at GAU, Anand. No. Mono. 4.**
39. **Verma, S.; Sharma, V.B. and Vidyarthi, V.K. (2006). Reproductive performance of some exotic breeds of rabbit. In: XII Animal Nutrition Conference on January 7-9, 2006 at GAU, Anand. No. Mono. 84.**
40. **Verma, S.; Sharma, V.B. and Vidyarthi, V.K. (2006). Growth performance and feed conversion efficiency of exotic breeds of rabbits in Nagaland. In: XII Animal Nutrition Conference on January 7-9, 2006 at GAU, Anand. No. Mono. 85.**
41. **Srivastava, M.K.; Vidyarthi .V.K. and Sharma, V.B. (2006).Effect of types of sampling of mustard straw treated with hydrogen peroxide and urea on proximate principles and ammonia nitrogen concentration. In: VI Biennial Conference of Animal Nutrition Association on September 15-17, 2006 at S.K.U.A.S. T., Jammu. No. 51.**
42. **Srivastava, M.K.; Vidyarthi, V.K. and Sharma, V.B. (2006). Effect of types of sampling on in-vitro nutrient digestibility of mustard straw treated with different levels of urea and hydrogen peroxide. In: VI Biennial Conference of Animal Nutrition Association on September 15-17, 2006 at S.K.U.A. T., Jammu.No.250.**
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44. **Raghuvanshi, S.K.S.; Vidyarthi, V.K. and Sharma, V.B. (2006). Variation in the daily feed consumption and nutrient requirement in milch cows in the rural areas .In: VI Biennial Conference of Animal Nutrition Association on September 15-17, 2006 at S.K.U.A.S. T., Jammu .No.252.**
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46. **Raghuvanshi, S.K.S. ; Vidyarthi, V.K.; Zuyie, R.; Sharma, A. and Sharma, V.B. (2006) .Feeding practices of indigenous milch cows in Chitrakoot. In: VI Biennial Conference of Animal Nutrition Association on September 15-17, 2006 at S. K. U. A. S. T., Jammu. No. 254.**

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56. Singh, V.K. and Vidyarthi, V.K. (2007). Nutrient availability to milch ewes in Jaunpur district of Uttar Pradesh. In: International Tropical Animal Nutrition Conference -TROPNUTRICON-2007 on October 4-7, 2007 at N.D.R.I. Karnal. No. SR - 71.
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  74. Chowlu, Homseng; Vidyarthi, V. K.; Zuyie, R. and Maiti, C. S. (2018). Effect of dietary supplementation of cinnamon on performance of broiler chicken. In: National Symposium on Spices and Aromatic crops (SYMSAC – IX) on “Spices for doubling farmer’s income” on March 15 – 21, 2018 at Nagaland University, SASRD, Medziphema, Nagaland.pp.73.
  75. Archana, Khaidem; Zuyie, R.; Vidyarthi, V. K.; Haque, N. and Rutsa, M. C. (2018). Effect of garlic supplementation on performance, carcass traits and blood profile of broiler chicken. In: National

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76. Chowlu, Homseng; Vidyarthi, V. K. and Mukherjee, Sabyasanchi. (2020). Effect of heat stress on the physiological and haematological parameters of mithun (*Bos frontalis*) in Autumn season. In: National Conference on “Paradigm Shift in Livestock Management to Obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship”(ISAPM 2020, Jaipur) on February 4 - 6, 2020 at Rajasthan University of Veterinary and Animal Sciences, Jaipur. OP – 3.013. pp. 31.
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  78. Rio, Thejanuo; Vidyarthi, V. K. and Zuyie, R. (2020). Effect of dietary supplementation of ginger powder (*Zingiber officinale*) on the performance of broiler chicken. In: National Conference on “Paradigm Shift in Livestock Management to Obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship”(ISAPM 2020, Jaipur) on February 4 - 6, 2020 at Rajasthan University of Veterinary and Animal Sciences, Jaipur. OP – 6.023. pp. 75.
  79. Rengma, Drusilla Jishing; Savino, N. and Vidyarthi, V. K. (2020). Effect of dietary inclusion of azolla powder on the performance of broiler chicken. In: National Conference on “Paradigm Shift in Livestock Management to Obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship”(ISAPM 2020, Jaipur) on February 4 - 6, 2020 at Rajasthan University of Veterinary and Animal Sciences, Jaipur. PP – 1.031. pp. 90.
  80. Chowlu, Homseng and Vidyarthi, V. K. (2020). Performance of broiler chicken on diet supplemented with cinnamon powder. In: National Conference on “Paradigm Shift in Livestock Management to Obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship”(ISAPM 2020, Jaipur) on February 4 - 6, 2020 at Rajasthan University of Veterinary and Animal Sciences, Jaipur. PP – 1.043. pp. 94.
  81. Jamir, Jongpongrenla; Savino, N. and Vidyarthi, V. K. (2020). Performance of broiler chicken on diet supplemented with aloe vera powder. In: National Conference on “Paradigm Shift in Livestock Management to Obtain High Quality Animal Products for Enhancing Farm Economy and Entrepreneurship”(ISAPM 2020, Jaipur) on February 4 - 6, 2020 at Rajasthan University of Veterinary and Animal Sciences, Jaipur. PP – 1.048. pp. 96.
12. Seminars, Conferences, Workshops etc. attended / organized:
- (1) Attended 3<sup>rd</sup> Symposium on “Latest Research Trends in Livestock and Poultry Nutrition” held from March 23-26, 1988 at B.H.U. Varanasi (U.P.), India.
  - (2) Participated as Resource Person in “Pulse Production Technology” on “Contribution of Cattle, Goat, Pigs and Poultry in Pulse Production” held from March, 20-26, 2001 at Nagaland University, SASRD, Medziphema, Nagaland.
  - (3) Attended 5<sup>th</sup> Agricultural Science Congress on “Sustainable Development of Mountain Agriculture” held from April 4-7, 2001 at AAU, Khannapara, Guwahati, Assam.
  - (4) Attended 10<sup>th</sup> Animal Nutrition Conference on “Emerging Nutritional Technologies for Sustainable Animal Production and Environmental protection” held from November 9-11, 2001 at NDRI, Karnal.
  - (5) Participated as Resource Person on “Nutritional Value of Maize and its Importance to Livestock in Nagaland” in State Level Collaborative Training Course on Maize Production Technology held from May 6-8, 2002 at IETC, Medziphema, Nagaland.
  - (6) Attended Workshop as Member of Technical Monitoring Committee under “National Project on Cattle and Buffalo” held on August 06, 2003 at Kohima, Nagaland.
  - (7) Attended 11<sup>th</sup> Animal Nutrition Conference on “Nutritional Technologies for Commercialization of Animal Production Systems” held from January 5-7, 2004 at JNKVV, Jabalpur (M.P.).



- (8) **Attended Workshop as Member of Technical Monitoring Committee under “National Project on Animal Breeding on Cattle and Buffalo” held from February, 11-12, 2004 at Kohima, Nagaland.**
- (9) **Attended 5<sup>th</sup> Biennial Conference of Animal Nutrition Association on “New Dimensions of Animal Feeding to Sustain Development and Competitiveness” held from November 24-26, 2004 at NIANP, Bangalore (Karnataka).**
- (10) **Attended Workshop as Member of Technical Monitoring Committee under “National Project on Animal Breeding on Cattle and Buffalo” held from November 29 to December 01, 2004 at Chumukedima, Nagaland.**
- (11) **Attended Workshop as Member of Technical Monitoring Committee under “National Project on Animal Breeding on Cattle and Buffalo” held on June 29, 2005 at Kohima, Nagaland.**
- (12) **Attended 12<sup>th</sup> Animal Nutrition Conference on “Technological Interventions in Animal Nutrition for Rural Prosperity” held from January 7-9, 2006 at A A U, Anand (Gujarat).**
- (13) **Attended North East Expo on “Emerging Horizons in Agribusiness” held from March 27-31, 2006 at Dimapur, Nagaland.**
- (14) **Organized Workshop as Programme Officer on “Production Techniques of Poultry and Piggery” held from October 31-November 1, 2006 at Nagaland University, S A S R D, Medziphema, Nagaland.**
- (15) **Participated as Resource Person on “Feeding of Poultry” in Workshop on “Horticulture and Allied Sectors- Production Techniques of Poultry and Piggery” held from October 31-November 01, 2006 at Nagaland University, S A S R D, Medziphema, Nagaland.**
- (16) **Participated in Brain Storming Session on “Sustainable Mithun Production Economic Upliftment of Tribal Population in NEH Region” held on March 17, 2007 at NRC on Mithun, Jharnapani, Nagaland.**
- (17) **Attended National Symposium on “Recent Trends in Technological Interventions for Rural Prosperity in Small Livestock Production Systems” held from June, 20-22, 2007 at S V V U, Tirupati (Andhra Pradesh).**
- (18) **Attended International Tropical Animal Nutrition Conference on “Animal Nutrition in Tropics- Constraints and Opportunities” held from Oct, 4-7, 2007 at N. D. R. I., Karnal.**
- (19) **Attended Workshop on “Recent Advances in Mithun Rearing” under “Mithun Festival 2008” held on Nov, 2-3, 2008 at N.R.C. on Mithun, Jharnapani, Nagaland.**
- (20) **Attended International Conference on “Managing Sustainable Development of Rural Economy and Agri Business” held from Jan, 21-23, 2011 at B. H. U., Varanasi (U. P.).**
- (21) **Attended National Symposium on “Emerging Management Concept for Sustainable Livestock and Poultry Production” held from November 02-04, 2011 at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana (Punjab).**
- (22) **Attended 14<sup>th</sup> Biennial Conference of Animal Nutrition Society of India: 2011 on “Livestock Productivity Enhancement with Available Feed Resources” held from November, 03-05, 2011 at G. B. P. U. A. &T., Pantnagar (Uttarakhand).**
- (23) **Attended 28<sup>th</sup> Annual Conference & International Symposium of Indian Poultry Science Association on “Rural Employment Generation and Nutritional Security through Poultry Production” held from December 22-24, 2011 at Bihar Veterinary College, Patna, Bihar.**

- (24) Participated in Brain Storming Session on “Scope of Entrepreneurship in Mithun Farming” held on March 27, 2012 at NRC on Mithun, Jharnapani, Nagaland.
- (25) Attended 2<sup>nd</sup> National Conference of Indian Academy of Veterinary Nutrition and Animal welfare on “Nutrition Health Interactions for Optimum Livestock Production and Human Welfare” held from September, 19-21, 2013 at S. K. U. A. & T., Jammu –181102 (J&K).
- (26) Attended 1<sup>st</sup> Naga Kheti Mela on the theme “Sustainable Agriculture and Livestock Production” from October, 17-19, 2013 at NU, SASRD, Medziphema – 797106, Nagaland.
- (27) Attended 3<sup>rd</sup> Board of Directors Meeting held on 31<sup>st</sup> May 2013 by Nagaland Livestock Development Board, Dairy Farm Complex, Lerie, Kohima, Nagaland.
- (28) Attended the Mithun Interface Meeting organized to commemorate celebration of Silver Jubilee on 27<sup>th</sup> March, 2014 at NRC on Mithun, Jharnapani, Nagaland.
- (29) Attended Regional Stakeholders Workshop on “Augment of Livestock Productivity in North Eastern Region through Nutritional Intervention” from November 24-25, 2014 at NRC on Mithun, Jharnapani, Nagaland.

### 13. Innovations / Contributions in Teaching

#### (A) Design of Curriculum :

1. Framed M. Sc. (Ag) courses in Animal Nutrition at M.G.C.G.V. Chitrakoot, Distt. Satna (M.P.).
2. Renovated M. Sc. (Ag) courses in Animal Production and Management at Nagaland University, SASRD, Medziphema -797106 (Nagaland).
3. Framed Ph.D. courses in Animal Production and Management at Nagaland University, SASRD, Medziphema -797106 (Nagaland).
4. Framed Post Graduate courses in Animal Nutrition at Nagaland University, SASRD, Medziphema - 797106 (Nagaland).
5. Framed B. V. Sc. & A. H. courses at Nagaland University, SASRD, Medziphema -797106 (Nagaland).

#### (B) Preparation of resource material including books, reading materials, laboratory Manuals etc.

1. Prepared 1st Rural Agriculture Work Experience (RAWE) Manual for B.Sc. (Ag) students at Nagaland University, SASRD, Medziphema, Nagaland.
2. Book Chapter entitled “Agricultural and livestock development constraints in Nagaland”. In: Dimension of Development in Nagaland (Ed. Thomas & Das), Regency Publication, New Delhi.
3. Compendium Chapter entitled “Feeding of Poultry” in workshop on “Horticulture and allied sector” sponsored by Ministry of DONER, New Delhi.
4. Compendium Chapter entitled “Feeding of Cattle, Buffalo, Swine and Poultry” in training on “Pulse production technology” sponsored by Ministry of Agriculture, New Delhi.
5. Prepared Practical Manual entitled “Recent Advances in Animal Nutrition Research”, for P. G. students (LPM) at Nagaland University, SASRD, Medziphema, Nagaland.
6. Prepared Practical Manual entitled “Practical manual on Swine Production” for B.Sc. (Ag) students at Nagaland University, SASRD, Medziphema, Nagaland.
7. Prepared Practical Manual entitled “Analytical Techniques in Rumen Fermentation”, for P. G. students (LPM) at Nagaland University, SASRD, Medziphema, Nagaland.
8. Prepared Practical Manual entitled “Experiential Learning Manual on Dairy Animals”, for B.Sc. (Ag) students at Nagaland University, SASRD, Medziphema, Nagaland.
9. Prepared Practical Manual entitled “Practical manual for Livestock Production and Management ” for B.Sc. (Ag) students at Nagaland University, SASRD, Medziphema, Nagaland.

14. **Honors Conferred :**
- (i) Full free ship during Intermediate
  - (ii) Merit Scholarship of ICAR during B.Sc. (Ag)
  - (iii) Research Assistantship during M.Sc. (Ag)
  - (iv) N.D.R.I. Senior Fellowship during Ph.D.

15. **Extension Work / Community Service:**

(A) **List of Short Stories Presented to All India Radio, Kohima**

1. Selection of pig breeds for breeding purposes.
2. Management of feeds for pregnant cow.
3. Criteria for setting up piggery farm.
4. Rabbit breeding for self employment.
5. Management of sow and piglets for maximum profit.
6. Weaning of calf and its aftercare.
7. Rearing of goat for upliftment of rural economy.
8. Poultry keeping for different purposes.
9. Computation of feeds for dairy livestock.
10. Fast growing breeds for piggery.
11. Rearing of turkey in Nagaland.
12. Rearing of Ducks.
13. Care & Management of a pregnant cow.
14. Dysentery in livestock its management.
15. Worms infestation in pigs its prevention.
16. Common diseases of domestic birds and its prevention.
17. Duck rearing, planning and management.
18. Rearing goats its benefits.
19. Slaughter house, its utility.
20. Communicable diseases through livestock

(B) **Leadership role played in extension work:**

(i) I, as the Extension Representative, transferred the following technologies:

1. Enrichment of poor quality roughages with urea treatment.
2. Use of mineral and vitamin mixture in the livestock diet.
3. Feeding colostrums to new borne calves.
4. Production of green fodder round the year.
5. Artificial insemination and its significance.
6. Housing systems.

(ii) The following booklets/ pamphlets were distributed to the farmers:

1. Improving nutritive value of poor quality roughages by urea treatment.
2. Rearing of Quails.
3. Feeding New Borne Bovine Calves up to three months.

(iii) I, as a Programme Officer, the following Practical Training was held:

1. Housing Management of Poultry and Piggery.
2. Feeding Systems and Management of Poultry and Piggery.
3. Health care of Poultry and Piggery.
4. Economic Production of Poultry and Piggery.
5. Demonstration of Poultry and Piggery Farms, Their Housing Systems, Preparation of Concentrate Mixture and many more.

16. **Training:**

- (I) I have participated in short course entitled "Balance feed production and cost minimization by least cost rations" held at N.D.R.I., Karnal-132001(Haryana), India.
- (II) I got advanced training on "Use of respiration calorimeter for determination of energy balance and methane production by ruminants" held at CAS in Animal Nutrition, I.V.R.I., Izatnagar, Bareilly, (U. P.), India.

- (III) I got advanced training on “Analytical techniques in clinical nutrition” held at CAS in Animal Nutrition, I.V.R.I. Izatnagar Bareilly, (U. P.), India.
- (iv) I completed “46<sup>th</sup> Orientation Programme for College and University Teachers” held at Academic Staff College, University of Allahabad (U.P.), India.
- (v) I completed advanced training on “Recent techniques in nutritional microbiology and their application in livestock production” held at CAS in Animal Nutrition, I.V.R.I. Izatnagar Bareilly, (U. P.), India.

**17. Course Taught:**

S. N.	Title	Level	Place
1.	Feed and fodder production	B.V.Sc. & AH	COVS & A.H. Durg (CG)
2.	Livestock Nutrition I	- do -	- do -
3.	Livestock Nutrition II	- do -	- do -
4.	Meat Technology	- do -	- do -
5.	Human Nutrition	- do -	- do -
6.	Principles of Livestock Production & Management	M.Sc. (Ag.)	M. G. C. G. V. Chitrakoot (M.P.)
7.	Nutritional Requirement and Deficiencies	- do -	- do -
8.	Principle of Animal Nutrition	- do -	- do -
9.	Ruminant Nutrition	- do -	- do -
10.	Advances in Animal Nutrition	- do -	- do -
11.	Feed and Fodder Production, Preservation and Processing	- do -	- do -
12.	Non Ruminant Nutrition	- do -	- do -
13.	Livestock Diseases and Parasites	- do -	- do -
14.	Livestock Production & Management	B.Sc. (Ag.)	NU, SASRD, Medziphema
15.	Swine Production	- do -	- do -
16.	Experiential Learning (Dairy)	- do -	- do -
17.	Experiential Learning (Broiler Production)	- do -	- do -
18.	Livestock Production & Management II	M.Sc. (Ag.) LPM	- do -
19.	Feed Production, Preservation & Processing	- do -	- do -
20.	Principles of Animal Nutrition	- do -	- do -
21.	Poultry Nutrition	- do -	- do -
22.	Meat Science	- do -	- do -
23.	Quality of Milk & Milk Products	- do -	- do -
24.	Special Topics in Animal Sciences	- do -	- do -
25.	Swine Nutrition	- do -	- do -
26.	Advances in Cattle Buffalo Production & Management	Ph. D. (LPM)	- do -

(V.K.Vidyarthi)