



Dr. Keshab Barman, B.V.Sc., M.V.Sc., PhD
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Publications	Total no. of Research Paper	:60
	Total no. of Books/Manual	:06
	No. of patent granted (G) /filed (F)	:02(G) (F) Nil
	Copyright granted (G) /filed (F)	: (G) Nil (F) Nil
	Policy Document	: Nil

Experience with research interest:

Pig nutrition, Ruminant nutrition, use of unconventional and agro-industrial by-products as livestock feed

Top 10 Publications:

1. **Barman K.**, Banik, S., Pegu, S.R., Kumar, S., Rahman, J.I., Das, A.K., Rajkhowa, S., Jat, S.L., and Rakshit, S. (2020). Effect of Supplementation of QPM Maize Fodder on Production Performance in Large White Yorkshire Grower Pigs". *EC Veterinary Science* 5(8): 142-146
2. **Barman K.**, Banik, S., Thomas, R., Gokuldas P.P., Kaushik, P., Kumar, S., Das, B. C., Das, A. K., Konwar, D. and Rajkhowa, S. (2020). Effects of replacing conventional diets with brewer's rice by-products on performance of crossbred (Hampshire X Ghungroo) grower pigs. *Indian Journal of Animal Health*, 59(1): 62-66, DOI: 10.36062/ijah.59.1.2020.62-66.
3. **Barman K.**, Konwar D., Banik, S., Patil, G.S, Gokuldas P.P., Thomas, R. and Rajkhowa, S. (2018). Effect of Supplementation of Azolla (*Azolla carolini*) Meal on Performance of Crossbred (Hampshire × Ghungroo) Pigs. *Indian Journal of Animal Nutrition* 35 (4):469-472.
4. **Barman K.**, Das A., Thomas R. and Banik S. (2015). Effect of replacement of maize with water hyacinth (*Eichhornia crassipes*) foliage on nutrient utilization in crossbred (Hampshire X Ghungroo) grower pigs', *Indian Journal of animal Science*,85(4):435-436. 6.19.
5. **Barman K.**, Gupta J.J., Dey A., Das A., Chakrabarti A., Tamuli M.K., Thomas R. and Sarma D.K. (2014). Performance of crossbred (Hampshire x Ghungroo) pigs fed on rice polish based diet with or without phytase enzyme. *Indian Journal of Animal Nutrition*, 31(2):172-176.
6. **Barman K.**, Tamuli, M.K., Das A., and Das H.K. (2013). Effect of replacement of concentrate with aerial part of colocasia (*Colocasia esculenta*) on growth and nutrient utilization in crossbred (HS X GH) grower pig, *Animal Nutrition and Feed Technology* 13:311-315.

7. **Barman K.**, and Rai S.N. (2008). *In vitro* Nutrient Digestibility, Gas Production and Tannin Metabolites of *Acacia nilotica* Pods in Goats, *Asian Australasian Journal of Animal Science*, 21(1):59-65.
8. **Barman K.**, and Rai S.N. (2006a). Utilization of tanniniferous feeds: Chemical composition, tannin fractionation, amino acid and minerals profiles and *in vitro* digestibility of certain agro-industrial byproducts. *Indian Journal of Animal Sciences*, 76(1): 71-80.
9. **Barman K.**, and Rai S.N. (2006b). Utilization of tanniniferous feed: Effect of tanniniferous feed on nutrient digestibility, gas production and tannin degradation products in cattle *in vitro*, *Indian Journal of Animal Science*, 76 (10): 829-837.
10. **Barman K.**, and Mohini, M. (2002). Nutrient utilization for growth and cost of feeding in buffalo calves as influenced by rumensin supplementation. *Buffalo Journal*, 18(1):71-82.

Technologies developed:

1. Low cost feed formulations using locally available feed resources for augmenting pig production.
2. Technology for chelated trace mineral mixture for pig i.e. 'Pigmin'
3. Technology for using vegetable, fruits waste based pig feed.
4. Vermicompost production from pig dung
5. Utilization of azolla, moringa leaves, silkworm pupae meal as a replacement of conventional protein supplements in pig diets.

Awards:

1. State level merit scholarship from class V to class VII.
2. National Scholarship from class 11th to class 12th
3. National Scholarship during graduation (B.V.Sc& A.H.)
4. First prize in 50th Regional Livestock show competition, 1997
5. Second prize in the 50th Regional Poultry show competition, 1997
6. Recipient of NDRI Junior Research fellowship in M.Sc and SRF in Ph.D.
7. Recipient of Dr. D. Sundaresan Award – 2006 for outstanding contribution to Dairy production Research
8. Recipient of best paper award in Animal Nutrition strategies for environment protection and poverty alleviation
9. Recipient of best poster presentation on the topic 'Effect of dietary omega-3 fatty acid supplementation on systemic progesterone levels and certain reproductive characteristics in multiparous sows
10. Nominated as member of FAD 5 of Bureau of Indian Standard, New Delhi
11. Reviewer Excellence award 2018-19 from Indian Journal of Animal Research

Membership of professional society:

- Life member of Animal Nutrition Society of India, NDRI, Karnal-132001, Haryana, India
- Life member of Animal Nutrition Association of India, IVRI, Bareilly, UP, India
- Life member of Indian Academy of Veterinary Nutrition and Animal Welfare, SKUAST-J, RS Pura, Jammu.
- Life member of Indian Hill farming Association