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Animal and Poultry Sciences

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Sudan

I work on new techniques applied to evaluating animal feed. My PhD dissertation has explored to me the difficulties of some methods used in evaluating animal feeds such as costly, consuming time and poring. My work on evaluating nutritive value of some browse species has thus familiarized me with the evaluating methods of the animal feeds and equipped me with the technical knowledge of these methods and how to finalize their results, enabling me to explore the disadvantages of some methods used to evaluate feeds. My studies revealed interesting avenues of research that I would like to pursue further in South Africa. This research will lead to a greater contribution to improving the livestock production in Africa and the rest of the world, which will aid the people to evaluate their animal feed.

Topic	CURRENT RESEARCH Methodology	Application
New techniques for determine the degradability and fibre fractions of animal feed.	Design new techniques and compare these techniques with the exiting ones. This research aims to develop simpler and cheaper techniques determine the degradability and fibre fractions of animal feed.	Evaluate of nutritive value of animal feed by estimating of degradability and fibre fractions with less cost.

## UKZN main Publications

**Basha, N.A.D.**, Scogings, P.F. & Nsahlai, I.V., 2009. Diet selection by Nguni goats in the Zululand Thornveld. South Africa Journal of Animal Science, vol. 39 (Supp.1), pages 33-39.

Mahala, A.G., Nsahlai, I.V., **Basha, N.A.D.** & Mohammed, L.A., 2009. Nutritive Evaluation of the Natural Pastures at Early and Late Rainfall Season in Kordofan and Butana, Sudan. Australian Journal of Basic and Applied Sciences, vol. 3 (4), pages 4327-4332.

Nsahlai, I.V. Fon, F.N. & **Basha, N.A.D.**, 2011. The effect of tannin with and without polyethylene glycol on in vitro gas production and microbial enzyme activity. South Africa Journal of Animal Science, vol. 41 (4), pages 337-344.

**Basha, N.A.D.** , Scogings, P.F., Dziba, L.E. & Nsahlai, I.V., 2012. Diet selection of Nguni goats in relation to season, chemistry and physical properties of browse in sub-humid subtropical savanna. Submitted to Small Ruminant Research, vol 102, pages 163– 171.

**Basha, N.A.D.**, Scogings, P.F. & Nsahlai, I.V., 2013. Effects of season, browse species and polyethylene glycol addition on gas production kinetics of forages in the sub-humid subtropical savannah, South Africa. Journal of the Science of Food and Agriculture, vol. 93 (6), pages 1338-1348.

## Past Researches

## Future Interests

Academia Consultancy, Participation in Research organizations, Research in applied interdisciplinary projects, Participation in Humanitarian organizations

## Extra Interests

Friends, Sports (football, volleyball), Humanitarian action, Travels (visits to various countries)