

Curriculum Vitae: Lars Olav Eik

Current Positions

Professor, Small Ruminant Nutrition & Production Systems / Tropical Animal Husbandry, Department of International Environment and Development Studies, Noragric (80% position) and Department for Animal and Aquacultural Sciences, IHA (20% position), University of Life Sciences (UMB)

Personal details

Name: Eik, Lars Olav
 Date of Birth: March 27th 1955
 Place & Country of Birth: Kvernherad, Norway
 Marital Status: Married
 Number of children: Three (two daughters and a son)

Institutional address: Noragric, UMB, P. O. Box 5003, NO 1432, Aas, Norway

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Educational Background: PhD in Animal Science, UMB, 1991, professor UMB, 2011

Employment and Academic Ranks:

January 2011-: Programme Coordinator at Noragric for I. “The CCIAM-Programme”, which is a joint research programme on climate changes issues) between UMB, Sokoine University of Agriculture (SUA) and other collaborating universities in Tanzania and II. “The EPINAV-Programme” which is a corresponding programme between SUA in Tanzania and UMB/ NVH/Bioforsk dealing with enhancing pro-poor innovations in natural resources and agricultural value-chains.

January 2005-: Programme Coordinator (50% position) at Noragric – UMB for the “PANTIL-Programme” (a joint research programme) between UMB and Sokoine University of Agriculture (SUA), Tanzania.

November 1990-: Associate Professor at IHA-UMB in Small Ruminant nutrition & Production Systems / Tropical Animal Husbandry.

Supervisor for UMB-registered PhD-students:

Berhane, G., Mekelle University, Ethiopia: 2001-2005; Tesfay, Y., Mekelle University, Ethiopia: 2004-2008; Nurfeta, A., Hawassa University, Ethiopia: 2004-2008; Mushi, D. Sokoine University of Agriculture, Tanzania: 2006-2009; Woldemariam, A.A., Hawassa University, Ethiopia: 2006-; Safari, J., Sokoine University of Agriculture, Tanzania: 2007- ; Chilera, F.C., Bunda University of Malawi, Malawi: 2007-; Gebremikael, M.B., Mekelle University, Ethiopia: 2009-; Selemay, I., Sokoine University of Agriculture, Tanzania: 2009- ; Etana D., Hawassa University, Ethiopia: 2005-2009; Lind, V., Bioforsk-Tjøtta: 2004-; Mwaseba, D.: 2009-

Out-reach activities:

Entrepreneurship and collaboration with farmers and industry is a main focus for my work. The most important project-involvements are as follows:

1983-: Introducing Norwegian Dairy Goats in Tanzania (References: Fred Johnsen, UMB; Prof. J.A. Matovelo, Sokoine University of Agriculture).

1985-: Production Systems for meat production on goats in Norway and marketing of goats meat (Reference: Torleif Bjella, Leader Nortura Niche Markets).

1995-: Using goats for landscaping purposes (Reference: Morten Clemetsen, Aurland Nat.verk.).

1995-2005: Work on improving the annual distribution of goat’s milk in Norway, introducing

the new “Snøfrisk-Cheese” (Reference: Ingrid Haug, TINE).

- 1994 - Work on introducing cashmere goats and marketing of products (References: Ola Rygg, Gol, Norsk Kasjmirlag and Signe Aarhus, Oleana Textile Designer Company).
- 2002 -: Marketing small ruminant’s meat to the Muslim community in Norway (Reference: Torleif Bjella, Leader Nortura Niche Markets, Alfathi Brand).
- 2002-: Improving quality of lamb’s meat in Norway, introducing the concept of “mountain flavour” on meat (Reference: Torleif Bjella, Leader Nortura Niche Markets).

Peer-reviewed articles, 2005-2009

- Ådnøy T., A. Haug O. Sørheim, M. S. Thomassen, Z. Varszeg and L. O. Eik, 2005. Grazing on mountain pastures - does it affect meat quality in lambs? *Livestock Production Sciences*, vol. 94, Issues 1-2: 25-31.
- Berhane,G., L. O. Eik, 2006a. Effect of vetch (*Vicia sativa*) hay supplementation on performance of Begait and Abergelle goats in northern Ethiopia. Milk yield and composition. *Small Ruminant Research*, vol. 64: 225-232.
- Berhane,G., L. O. Eik, 2006b. Effect of vetch (*Vicia sativa*) hay supplementation to Begait and Abergelle goats in northern Ethiopia. II. Reproduction and growth rate. *Small Ruminant Research*, vol. 64: 233-240.
- Berhane,G., L. O. Eik, 2006c. Effect of vetch (*Vicia sativa*) hay supplementation to Begait and Abergelle goats in northern Ethiopia III. Forage selection and behaviour. *Small Ruminant Research*, vol. 64: 241-246.
- Berhane, G., L.O. Eik and. A. Tolera, 2006. Chemical composition and in vitro gas production of vetch (*Vicia sativa*) and some browse and grass species in northern Ethiopia. *African Journal of Range and Forage Science*, vol. 23 (1): 69-75.
- Safari, J.; D.E. Mushi, L. A. Mtenga; L.O. Eik; G.C. Kifaro; V.R. M. Muhikambe; E.E. Ndemanisho; A.D. Maeda Machang’u; A.A. Kassuku; E.N. Kimbita and M. Ulvund, 2005. A note on growth rates of local goats and their crosses with Norwegian goats at village level in Tanzania. *Livestock Research for Rural Development (LRRD)*. Vol. 17, Art. 47. Retrieved April 12, from <http://www.cipav.org.co/lrrd/lrrd17/4/safa17047.htm>
- Kifaro, G.C., L.O. Eik, L.A. Mtenga, D.E. Mushi, J. Safari, A. A. Kassuku, E.N. Kimbita, A. D. Maeda- Machang’u, N.L. Kanuya, V.R.M. Muhikambe, E. Ndemanisho and M.J. Ulvund, 2007. The Potential use Artificial Insemination in Sustainable Breeding of Dairy Goats in Developing Countries: A Case Study of Norwegian Dairy Goats in Tanzania. *Tanzania J. of Agricultural Sciences*, Vol. 8 (1): 19 - 24.
- Tibezinda M. and L.O. Eik, 2007. Meat goats and their utilization of browse forage. *Tanzania Journal of Agricultural Sciences*, Vol. 8 (2): 203 - 220.
- Safari, J.; L. A. Mtenga; L.O. Eik; G.C. Kifaro; F. Sundstøl and F.H. Johnsen, 2008. Analysis of three goat production systems and their contribution to food security in semiarid areas of Morogoro, Tanzania. *Livestock Research for Rural Development* 20 (5) <http://www.cipav.org.co/lrrd/lrrd20/5/safa17074.htm6>
- Eik, L.O., G.C. Kifaro, S.M. Mushi, D.E., L.O. Eik, J.E. Haugen, O. Sørheim T. Ådnøy and J.E. Haugen, 2008. Effect of animal sex and time of slaughter on sensory quality of meat from Norwegian lamb. *Acta Agriculturae Scand. Section A*, 58: 31-36.
- Mushi, D.E., L.O. Eik, O. Sørheim and T. Ådnøy, 2008. Effect of concentrate feeding systems, genotype and sex on productive performance and meat quality of Norwegian lambs. *Acta Agriculturae Scand. Section A*, 58: 23-30.

- Mushi, D. E., Mtenga, L.A., Eik, L.O., 2007. Some factors affecting the quality of meat from ruminants and their relevance to the Tanzanian meat industry – review. *Tanzania Journal of Agricultural Sciences*, Vol. 8 (2):173-192.
- Eik, L.O., Kiango, Ø. M. Nordhagen, J. Safari and L.A. Mtenga, 2008. Productivity of goats and their contribution to household food security in high potential areas of East Africa: A case of Mgeta, Tanzania. *African Journal of Food Agriculture and Development (AJFAND)*, vol.8 (3): 278-290.
- Mushi, D.E., L.O. Eik, O. Sørheim, T. Ådnøy, 2008. Suitability of Norwegian short-tail lambs, Norwegian dairy and Cashmere goats for meat production – carcass, meat chemical and sensory characteristics. *Meat Science*, Vol. 80 (3): 842-85.
- Debela, E., R. Salte and L.O.Eik. Effect of supplementing tanniniferous forages to a basal diet of grass hay on feed intake, digestibility, nitrogen metabolism and live weight change of *Haemonchus contortus* infected goats. Being reviewed in *Journal of Livestock Sciences*, 14.09.09.
- Debela, E., R. Salte and L.O.Eik. Nutritive value of morphological fractions of *Sesbania sesban* and *Desmodium intortum*. Being reviewed in *Animal Feed Science and Technology*, 14.09.09.
- Asheim L.J., L.O. Eik and M.E. Sabrie, 2010. Production of goat Meat for the Halal Market. *Tanzania Journal of Agricultural Sciences*, In Press.
- Weiby, K. V. , M. Mo, E. J. Mtengeti, N. A. Urrio, L. O. Eik and J. Safari, 2009. A combination of urea and lime as agent for straw treatment in Tanzania. *Tanzania Journal of Agricultural Sciences*, In Press.
- Safari, J., D.E. Mushi, L.A. Mtenga, G.C. Kifaro and L.O. Eik, 2009. Effects of concentrate supplementation on carcass and meat quality attributes of feedlot finished Small East African goats. *Livestock Science*. 125:266-274.
- Mo, M., K. V. Weiby, N. A. Urrio, E. J. Mtengeti, L. O. Eik, F. Sundstøl and J. Safari, 2009. Trends in upgrading crop residues for ruminant feeding. *Tanzania Journal of Agricultural Sciences*, In Press.
- Safari, J., D.E. Mushi, L.A. Mtenga, G.C. Kifaro and L.O. Eik, 2009. Growth, carcass and non carcass yields of Small East African goats and Red Maasai sheep fed wheat straw –based diets. Being reviewed in *Journal of Livestock Sciences*, 14.09.09.
- Safari, J., D.E. Mushi, L.A. Mtenga, G.C. Kifaro and L.O. Eik, 2009. Carcass composition and meat quality attributes of Small East African goats and Red Maasai sheep fed wheat straw-based diets. Being reviewed in *Journal of Livestock Sciences*, 14.09.09.
- Lind, B., J. Berg, L.O. Eik, J.M. Mølmann, E. Haugland, M. Jørgensen and M. Hersleth, 2009. Meat quality of lamb: Pre-slaughter fattening on cultivated or mountain range pastures. *Meat Science* 83 (4), p. 706.
- Mushi, D.E., J. Safari, L.A. Mtenga, G.C. Kifaro, L.O. Eik, 2009. Growth and distribution of non-carcass components of Small East African and F1 Norwegian crossbred goats under concentrate diets. *Livestock Science*, 126:80-86.
- Mushi, D.E., J. Safari, L.A. Mtenga, G.C. Kifaro, L.O. Eik, 2009. Effects of concentrate levels on fattening performance, carcass and meat quality attributes of Small East African x Norwegian crossbred goats fed low quality grass hay. *Livestock Science*, 124:148-155.
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- Mushi, D.E., M.S. Thomassen and G.C. Kifaro and L.O. Eik, 2010. Fatty acids composition of minced meat, longissimus muscle and omental fat from Small East African goats finished on different levels of concentrate supplementation. *Meat Science*, 86:337-342.
- Haug, A., Christophersen, O.A., Kinabo, J., Kaunda, W. and L.O. Eik, 2010. Use of dried Kapenta (*Limnothrissa miodon* and *Stolothrissa tanganyicae*) and other products based on whole fish for complementing maize-based diets. *African Journal of food agriculture, nutrition and development*, vol. 10, no5, May 2010, ISSN 16845374, online-23pp.
- Safari, J., Mushi, D.E., Mtenga, L.A., Kifaro, G.C., Eik, L.O. (2011). Growth, carcass and meat quality parameters of Red Maasai sheep fed wheat straw- based diets. *Tropical Animal Production and Health*, 43 (1): 87-89.
- Safari, J., Mushi, D.E., Mtenga, L.A., Kifaro, G.C., Eik, L.O. (2011). Growth, carcass and meat quality parameters of Small East African goats fed wheat straw- based diets. *Livestock Science*, 135 (2): 168 - 176.
- Safari, J., Mushi, D.E., Kifaro, G.C., Mtenga, L.A., Eik, L.O. , 2011. Seasonal variation in chemical composition of native forages, grazing behaviour and some blood metabolites of Small East African goats in a semi-arid area of Tanzania. *Animal Feed Science and Technology*, 164 (1-2), p. 62
- Lind, B., J. Berg, Eilertsen, S.V., Hersleth and L.O. Eik, 2011. Effect of gender on meat quality in lamb from extensive and intensive grazing systems when slaughtered at the end of growing season. *Meat Science* (2), p. 305.