

ANIMAL NUTRITION IN THE TROPICS: OTHER RULES FOR SUCCESS

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EXAMPLES OF NUTRITION RESEARCH IN THE TROPICS

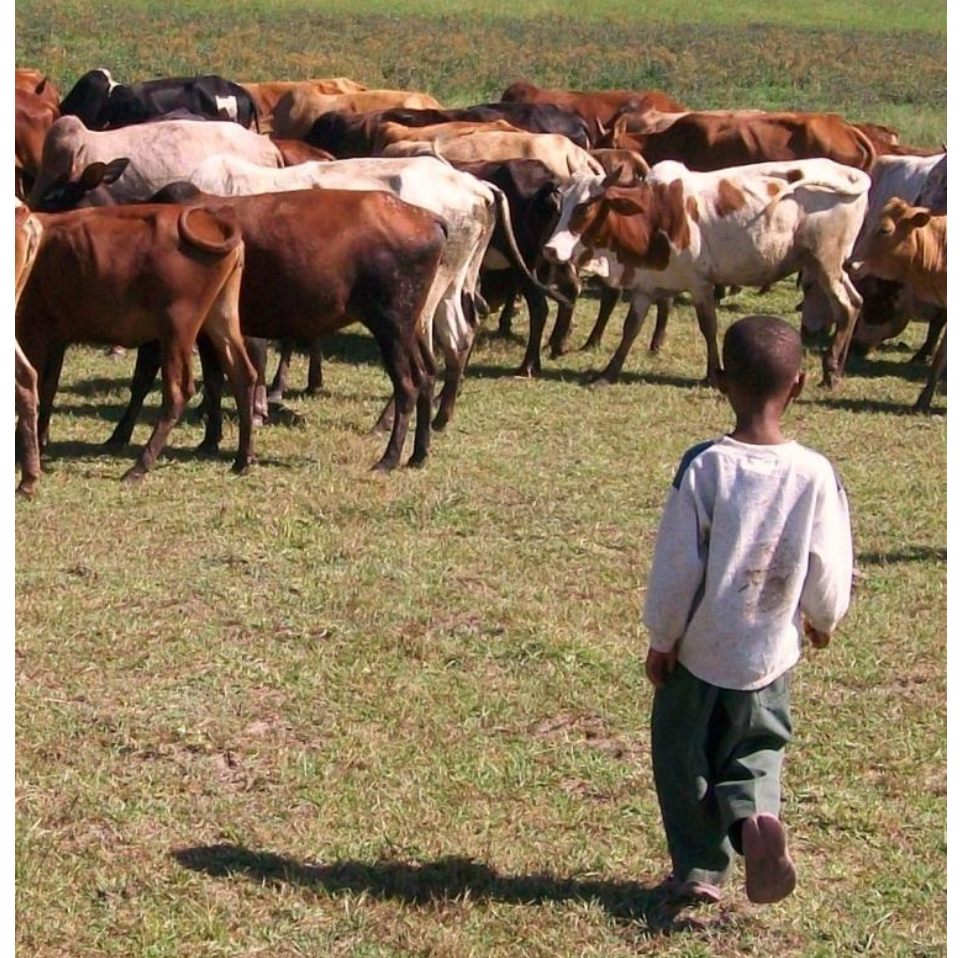
Jimma, Ethiopia: ruminants

Jimma, Ethiopia: aquaculture

Arba Minch, Ethiopia: ruminants

Limpopo, South-Africa: chickens

Bolivia: amphibians



Jimma Ethiopië





A lot of green,
but also a lot of
overgrazing and
erosion

Unattended
grazing on
community lands



Hands-on work is often an understatement.

(PhD work of Veronique Dermauw)



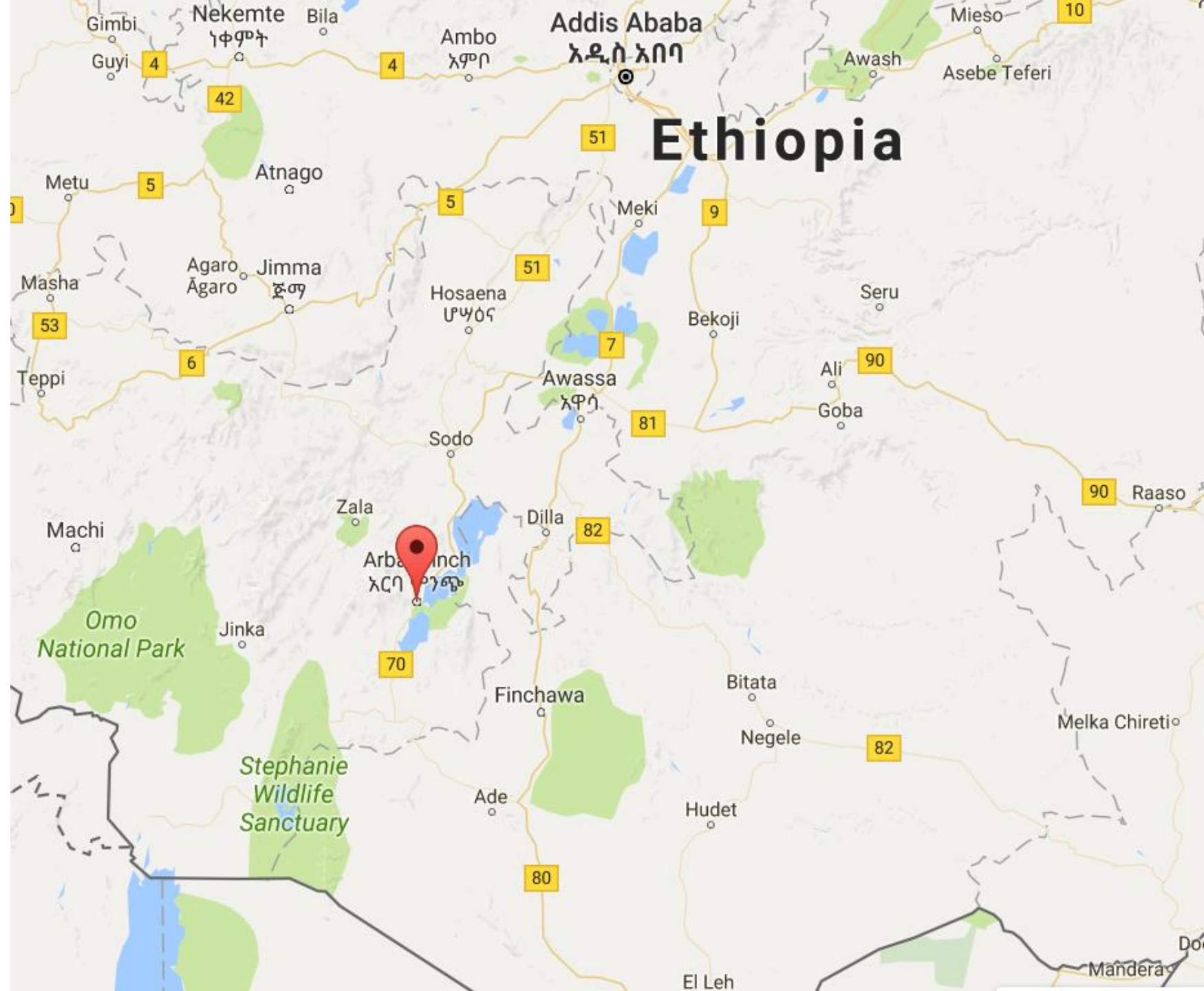
Vet student at work.



“Ah, you study
veterinary
medicine ?
Please come
this way.”



Arba Minch Ethiopië



Amazing
landscapes
but ...





... erosion.



Students at work in the field and in the lab.

Limpopo South-Africa



Local inhabitants.



Students from North and South work together in a study on sustainable feeding of chickens. The bigger picture is food security.



Titicaca Bolivia



Photo: Arturo Muñoz



Effects of pollution ...



North-South
cooperation under
water.





Bolivian student volunteers on their way for a sampling campaign.

(Stéphane Knoll in the back of the picture.)



Passion for the work: not even looking at the marvelous sunset.

Aquaculture
meets
biodiversity.





Looking for
ways to improve
performance
and
sustainability of
aquaculture.

Master students can earn their spot on international publications.

Trop Anim Health Prod (2013) 45:1139–1147

DOI 10.1007/s11250-012-0337-4

REGULAR ARTICLES

Mineral deficiency status of ranging zebu (*Bos indicus*) cattle around the Gilgel Gibe catchment, Ethiopia

Veronique Dermauw • Kechero Yisehak •

Duguma Belay • Thomas Van Hecke • Gijs Du Laing •

Luc Duchateau • Geert P. J. Janssens

A disparate trace element metabolism in zebu (*Bos indicus*) and crossbred (*Bos indicus* × *Bos taurus*) cattle in response to a copper-deficient diet¹

V. Dermauw,^{*2,3} A. De Cuyper,^{*} L. Duchateau,[†] A. Waseyehon,[‡]
E. Dierenfeld,[§] M. Clauss,[#] I. R. Peters,^{||} G. Du Laing,[¶] and G. P. J. Janssens^{*}

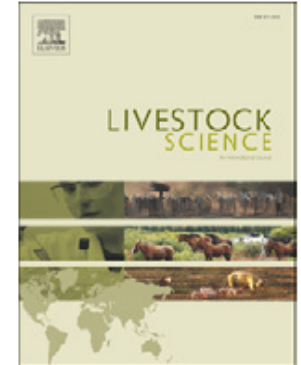
J. Anim. Sci. 2014.92:3007–3017
doi:10.2527/jas2013-6979



Contents lists available at [SciVerse ScienceDirect](#)

Livestock Science

journal homepage: www.elsevier.com/locate/livsci



Amino acid profile of salivary proteins and plasmatic trace mineral response to dietary condensed tannins in free-ranging zebu cattle (*Bos indicus*) as a marker of habitat degradation

K. Yisehak ^{a,*}, A. Becker ^b, J.M. Rothman ^c, E.S. Dierenfeld ^d, B. Marescau ^e, G. Bosch ^f,
W. Hendriks ^f, G.P.J. Janssens ^b

Animal nutrition in the tropics:
many opportunities to grab
many animals to be helped
many people to cooperate with

