



INSTITUTE OF AGRICULTURAL SCIENCES IN THE TROPICS  
(HANS-RUTHENBERG-INSTITUTE)  
ANIMAL BREEDING AND HUSBANDRY (490h)  
Prof. Dr. Mizeck Chagunda

## Master thesis offers

The Department of Animal Breeding and Husbandry in the Tropics and Subtropics (490h), currently offers the following thesis projects, each allocated to a broader topic as indicated in the blue bars:

### Characterization of local genetic livestock resources with respect to specific traits and evaluation of conservation-by-use concepts

- Old livestock breeds between conservation and commercial use (literature review and case studies in Germany)

### Adaptation to changing (environmental) conditions

- Assessment of a combination of traits defining adaptation in organic ruminant production systems (desk study)

### Animal welfare

- Systematic review of animal welfare under different socio-cultural and environmental conditions in the tropics and subtropics (literature review)
- Assessment of animal welfare (considering the 5 freedoms) and willingness to increase animal welfare conditions in different livestock systems in developing countries (survey in different countries)

- Identification of crucial value chain elements causing animal welfare issues (housing, handling, market, transport, slaughter,...)
- Perception, value and animal welfare implications of dehorning in cattle (survey)

### **Organic livestock production**

- Trade-offs between animal welfare and biological demands in organic livestock production (survey)
- Assessment of livestock production systems in developing countries with respect to organic standards (survey in different countries)

### **Biodiversity and livestock production**

- Effects of poor forage diversity on livestock welfare, health and meat/milk quality (literature review)
- Potential of tropical species and breeds in temperate regions (survey)

### **Socio-economics**

- Investigating the trade-offs between household resource use (labour, water, time) and breed requirements in smallholder dairy farms in Sub-Saharan Africa  
(desk study; we already have data from a recent survey carried out in Ethiopia, Kenya, Tanzania, Uganda and Rwanda)

### **Contribution of livestock to human societies within a production system context**

- Suitability of different livestock species and breeds for different types of social farming (literature review and case studies in Europe)

## Livestock breeding in Israel

- If you are interested to conduct your master thesis about a topic related to animal breeding and husbandry in Israel, please contact us for discussing on your ideas.

**If you are interested in one of these topics or if you want to propose your own topic, please approach us!**

Contact: [C\\_Reiber@uni-hohenheim.de](mailto:C_Reiber@uni-hohenheim.de)

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