

## SALOME ATIENO MIGOSE

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### PROFESSIONAL SUMMARY

Dynamic lecturer with proven capabilities in principles of animal production, livestock production systems and sustainability, animal breeding, and genetic analysis. Committed to enhancing human ability through quality teaching, research, and extension on livestock.

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### PERSONAL SKILLS AND COMPETENCES

#### Technical

- Managing classroom for diverse populations
- Teaching/tutoring
- Clear communicator of complex ideas
- Positive learning environment
- Course planning
- Expertise in tropical livestock production systems analysis
- Smallholder dairy value chain analysis
- Agricultural extension
- Monitoring and evaluation
- Qualitative and quantitative research methods

#### Computer

- Computer literacy packages (MS word, Excel, and PowerPoint)
- Database management software (Access, Pedigree viewer)
- Data analysis software (SAS, R, SPSS, DFREML)

#### Organizational

- Coordinating and projects and research activities
- Managing staff
- Organizing workshops
- Liaising with stakeholders
- Corresponding with stakeholders
- Administering projects
- Keeping records
- Writing reports, proposals, and manuscripts
- Resource management and stock inventory

#### Social

- Mobilizing youth
- Communicating diverse subjects
- Educating peers and youth
- Interpersonal skills
- Positive reinforcement
- Strong collaborator

### Accomplishments

- Student mentorship: Volunteered to help resolve student personal issues by connecting them for guidance and counselling.

### Certifications on short courses

- Teaching and supervision plan (TSP) of Wageningen University (Techniques for writing and presenting a Scientific paper, Time planning and management, Library information and literacy) Training and supervision plan (TSP), various coursing on PhD training and supervision (Wageningen University & Research)

- Pedagogy and effective exam setting and effective supervision, objective examination, and mentorship of postgraduate students (University of Embu)
- Monitoring and evaluation (Impact-RDO)

## **Work history**

### **Lecturer**

*University of Embu, Embu, Embu County*

*3/2020-Current*

- Taught, examined, and graded students on the following disciplines:  
Animal production (Principles of animal production, and Ration formulation and feed manufacturing)  
Animal nutrition (Principles of animal nutrition, Bees and bee keeping, Dairy production  
Pig and poultry production, Animal products and products processing, Livestock production systems  
Animal breeding (Animal genetic resources, Quantitative genetics, animal breeding, Biotechnology in animal breeding)  
Biostatistics (Design and analysis of agricultural experimentation)
- Developed curriculum for BSc animal production and diploma in animal production
- Supervised projects for MSc and BSc 4th-year students

### **Tutorial fellow**

*University of Embu, Embu, Embu County*

*3/2014-3/2020*

- Taught, examined, and graded students on the following disciplines:  
Animal production (Principles of animal production, and Ration formulation and feed manufacturing)  
Animal nutrition (Principles of animal nutrition, Bees and bee keeping, Dairy production  
Pig and poultry production, Animal products and products processing, Livestock production systems  
Animal breeding (Animal genetic resources, Quantitative genetics, animal breeding, Biotechnology in animal breeding)  
Biostatistics (Design and analysis of agricultural experimentation)
- Developed curriculum for BSc animal production and diploma in animal production
- Supervised projects for BSc 4th-year students

### **Livestock production officer**

*Livestock Recording Centre, Naivasha, Nakuru County*

*3/2011-2//2014*

- Responded to all inquiries from the public in a prompt and professional manner.
- Coordinated funding for ongoing community programs including, EAAPP, FAO and IFAD.
- Collaborated with other stakeholders and governmental agencies to achieve contract mating and destination of genetic parameters and genetic evaluation.
- Prepared and analyzed data for livestock genetics and produced reports on breeding values and made recommendations based on findings.
- Co-created annual budgets for review, approval, and funding.
- Managed databases of livestock breeds
- Generated genetic parameters for livestock breeds

### **Program administrator**

*RESTECH-Centre, Kisumu, Kisumu County*

*4/2010-2/2011*

- Provided personal assistance to the director of the organization
- Acted as programme administrator for think tank initiative project.
- Organized workshops, seminars, and conferences
- Coordinated office administration and correspondences

### **Project coordination and administration**

*Impact Research and Development Organization, Kisumu, Kisumu county*

*4/2008-3/2010*

- Provided personal assistance to the director of the organization
- Acted as programme administrator for HIV prevention activities.
- Coordinated, monitored and reported HIV/AIDs prevention activities
- Co-developed proposals and budgets for funding for HIV/AIDs prevention activities

### **Trainee Production manager**

*Dudutech (Kenya), Naivasha, Nakuru County*

*1/2007-3/2008*

- Managed the in-doors production of insects (in laboratories) for sale
- Supervised personnel involved in production of insects
- Conducted quality assessment of products (insects for sale)
- Maintained and communicated productivity and shipment reports for all departments.

## **EDUCATION**

PhD: Livestock Production Systems

*Wageningen University and Research, Wageningen, Netherlands*

*3/2020*

Principal subjects covered are

- Tropical livestock farming systems
- Animal breeding and sustainable food security
- Designs of experiments
- Genetic improvement of livestock
- Ethics and philosophy of life sciences

Recipient of NUFFIC scholarship

Emphasis on smallholder dairy production systems and value chains in the tropics

MSc: Animal Production

*Egerton University main campus, Njoro, Nakuru County, Kenya*

*12/2011*

Principal subjects covered

- Animal physiology
- Animal ethology and ecology
- Animal breeding Population and quantitative genetics
- Computer simulation in animal breeding
- Biochemistry
- Biostatistics
- Database management and statistics computing

- Seminars
- Molecular genetics
- Thesis genetic evaluation of growth of Sahiwal cattle in semi-arid Kenya

BSc: Animal Production

*Egerton University*

6/2004

Principal subjects covered

- Animal production courses (Physiology, Nutrition, Health, Breeding, Ethology)
- Biological courses (Chemistry, Zoology, Botany, Genetics)
- Biostatistics (Mathematics, Experimental design, Data analysis, Computers)
- Communication skills, law, and society
- Rural development and environmental sciences
- Forage and fodder crop production
- Agricultural economics, marketing, and extension
- Seminar, research projects and field attachment

## REFERENCES

- Prof. Imke J M de Boer, Livestock Production Systems group, Wageningen University & Research, PO Box 338, 6700 AH, Wageningen, The Netherlands, Mobile: +31 317483959, E-mail: [simon.Oosting@wur.nl](mailto:simon.Oosting@wur.nl)
- Dr. Simon J Oosting, Livestock Production Systems group, Wageningen University & Research, PO Box 338, 6700 AH, Wageningen, The Netherlands, Mobile: +31 317484594, E-mail: [simon.Oosting@wur.nl](mailto:simon.Oosting@wur.nl)
- Prof. Bockline O. Bebe, Department of Animal Sciences, Egerton University, PO Box 536-20115, Njoro, Kenya, Mobile: +254 721853999, E-mail: [obebeb@yahoo.com](mailto:obebeb@yahoo.com)
- Dr. Bernard M Gichimu, University of Embu, PO Box, 6-60100, Embu, Kenya, Mobile: +254 721552757, E-mail: [gichimu.bernard@embuni.ac.ke](mailto:gichimu.bernard@embuni.ac.ke)

## PROFESSIONAL BODIES

Animal Production Society of Kenya (APSK)

## PUBLICATIONS

### Refereed journals

1. Migose, S.A., van der Linden, A., Bebe, B.O., de Boer, I.J.M., Oosting, S.J., 2020. Accuracy of estimates of milk production per lactation from limited test-day and recall data collected at smallholder dairy farms. *Livestock Science* 232, 103911. <https://doi.org/10.1016/j.livsci.2019.103911>
2. Migose, S.A., van der Linden, A., Bebe, B.O., de Boer, I.J.M., Oosting, S.J., 2019. Yield gap analysis of smallholder dairy farming in the Kenyan highlands. Submitted (*Agricultural systems*)
3. Migose, S.A., Bebe, B.O., de Boer, I.J.M., Oosting, S.J., 2018. Influence of distance to urban markets on smallholder dairy farming systems in Kenya. *Tropical Animal Health and Production* 50, 1417-1426.
4. Ilatsia, E., Migose, S., Muhuyi, W., and Kahi, A., 2011. Sahiwal cattle in semi-arid Kenya: genetic aspects of growth and survival traits and their relationship to milk production and fertility, *Tropical Animal Health and Production*, 43, 1575

5. Ilatsia, E., Migose, S., Magothe, T., Muasya, T., and Kahi, A., 2007. Genetic parameters and annual trends for 305-Day milk yield of *Bos taurus* dairy cattle breeds in Kenya, *International Journal of Cow Science*, 3, 20-23

#### **Abstracts in conference proceedings and congress**

1. Migose, S.A., Boer, I.J.M. de, Bebe, B.O., Oosting, S.J., 2019. A positive deviant approach to understanding key factors of smallholder dairy development in Kenya, in: *WIAS Science Day 2019*. Wageningen University & Research, pp. 23–23.
2. Migose, S.A., Bebe, B.O., Oosting, S.J., 2015. Sustainable dairy intensification in Kenya: Typologies of production systems and breeding practices, in: *Book of Abstracts 66th Annual Meeting of the European Federation of Animal Science*. p. 342.
3. Migose, S. A., Bebe, B. O., Oosting, S. J., & de Boer, I. J. M. 2015. Sustainable dairy development in the Kenyan highlands: Effect of market quality on smallholder farming systems. Abstract from *Tropentag 2015*, Berlin, Germany.
4. Githinji, M., Muasya, T, Ilatsia, E., Murage, A., Migose, S. 2007. Pig production characteristics and constraints. A case study among smallholder farmers in four districts of Kenya. In: *Proceeding of the Animal Production Society of Kenya Annual Scientific Conference, 15th to 16th March 2007*, Mtwapa, Kenya.
5. Githinji, M., Muasya, T, Ilatsia, E., Murage, A., Migose, S. 2007. Pig production characteristics and constraints. A case study among smallholder farmers in four districts of Kenya. In: *Proceeding of the Animal Production Society of Kenya Annual Scientific Conference, 15th to 16th March 2007*, Mtwapa, Kenya.
6. Migose S., Ilatsia, E., Wasike, C., Muhuyi, W., and Kahi. A. 2007. Sex specific parameter estimates for growth traits in *Bos indicus* cattle. In: *proceedings of Animal Production Society of Kenya Annual Scientific Conference, 15th to 16th March 2007*, Mtwapa, Kenya.
7. Migose S., Ilatsia, E. W. B. Muhuyi, W., and Kahi. A. 2006. Growth performance of the Sahiwal cattle in semi-arid Kenya. In: *proceedings of APSK 2006 annual symposium, 8th – 10th March 2006*, Isiolo, Kenya.
8. Migose S., Ilatsia, E., Muhuyi, W., and Kahi. A. 2006. Direct and maternal (co)variance components and genetic parameters for growth traits in the Sahiwal cattle in Kenya. *8th World Congress on Genetics Applied to Livestock production, 13th – 18th August 2006*, Belo Horizonte Brazil.
9. Migose S., Magothe, T., Muasya, T., Ilatsia, E., and Kahi, A. 2006. Milk production and reproductive performance of *Bos taurus* dairy breeds in Kenya. In; *Proceedings of the Tanzania Society of Animal Production Annual Scientific conference, 24th – 26th October 2006*, Moshi, Tanzania.
10. Ilatsia E., Migose, S., Muhuyi, W., and Kahi. A. 2006. Genetic and environmental trends for milk production and growth traits of the Sahiwal cattle in Kenya. In: *Proceedings of the Tanzania Society of Animal Production Annual Scientific conference, 24th – 26th October 2006*, Moshi, Tanzania.
11. Migose S., Ilatsia, E., Wasike, C., Muhuyi, W., and Kahi. A. 2006. Maternal (co)variance components for growth traits in Sahiwal cattle. In: *Proceedings of 10th biennial KARI scientific conference, 13th – 17th November 2006*.
12. Magothe, T., Ilatsia, E., Wasike, C., Migose, S., and Kahi, A. 2006. Genetic evaluation of milk production of *Bos taurus* dairy breeds in Kenya. In: *Proceedings of 10th biennial KARI scientific conference, 13th – 17th November 2006*.