

Ms. Lebusa

NATIONALITY: South Africa

SUMMARY

An expert/ former university lecturer in the area of environment and plant protection.

EDUCATION

1977-1983	Standard 7 at Morija Primary School
1984-1986	Junior Certificate at St Mary's High School
1988-1989	COSC/ Cambridge Certificate at Masitise High School
1990-1994	Bachelor of Science in Agriculture, National University of Lesotho - Studied the pests of crucifer (Cabbage and family) crops
1994/1995	Honors in Agriculture (Agronomy), National University of Lesotho - Studied the pests of field crops
2002-2004	Masters Degree in Entomology, Oklahoma State University, USA

EMPLOYMENT RECORD/ PROFESSIONAL EXPERIENCE

- **1994 and 1995** Three months Instruction of Pre-Diploma Courses (Plant Protection), Lesotho Agricultural College

- **1996-1998** **Assistant Economic Planner, Ministry of Agriculture**

DUTIES:

- Control of export and import of agricultural products
- Marketing of Field crops

- Training of farmers and extension agents on crop production and marketing issues
- Assisting farmers on Crop production
- Training of Extension Officers Farmers and Subject Matter Specialist on how to investigate the crop problems (Pests and Diseases) and development of new methods of growing crops to secure more efficient production, higher yield, and improved quality
- Assessment of environmental conditions to recommend proper methods of planting to reduce risks
- Marketing and Price Determination of Field and Horticultural Crops
- Monitoring and evaluation of production and marketing activities
- Collection, interpretation and dissemination of data on market needs
- Control of export and import of Crops

- **1998-2000** **Lecturer in Plant Protection, Lesotho Agricultural College**
DUTIES Development and Review of curriculum
Lecturing in Plant Protection (Pathology and Entomology)
Supervision of Student Enterprise projects in Agronomy

- **2000 -2004** **Assistant Lecturer in Plant Protection (Pathology and Entomology at the Faculty of Agriculture, National University of Lesotho.**
DUTIES - Development and Review of curriculum
- Lecturing in Plant Protection (Pathology and Entomology)
- Assisting the farming communities on protection of crops against crop pests
- Consultations with farmers and extension agents to recommend ways of protecting crops from environmental risks
- Assessment of environmental and soil conditions to recommend proper methods of planting to reduce risks
- Supervision of Student Enterprise projects in Agronomy

PAST PRESENTATION IN THE UNIVERSITY COMMITTEES:

- Staff House Allocation
- Restoration of Basotho Village (teaching model)
- Student Enterprise Projects
- Department of Agricultural Engineering

• **2007-2010**

Lecturer University of South Africa (UNISA)

DUTIES:

1. Review and development of study materials for new curriculum
2. Lecturing in- Plant Science
 - Soil fertility and Plant Nutrition
 - Weed Science
 - Principles of Vegetable Science
 - Plant Protection (Entomology and Plant Pathology)
 - Crop Physiology
3. Supervision of graduate research projects
4. Assisting Communities on crop production and protection
5. Development of study materials and lecturing in Plant protection for
AVCASA short Learning Program

PRESENTATION IN THE UNIVERSITY COMMITTEES:

- UNISA College Tuition Committee
- UNISA Staff Employment Equity Committee
- College Marketing Representative

• **TO DATE**

Lecturer University of KwaZulu-Natal

DUTIES

1. Lecturer in Entomology
2. Research and supervision of student projects
3. Assisting Communities on crop production and protection
4. Administration of Lectures
5. Final year of PhD

- **COMMUNITY PARTICIPATION:**

- Involved in developing a baseline study for the
Machobane
Farming System under HELVETAS
- Plant Genetic Resourced Conservation under Lesotho
Agricultural Research Station
- Community development under World Vision Lesotho
- Mandlethu FET Agricultural Program

- **OTHER CAREER ENGAGEMENTS:**

- 1997-2001 - Board Member at Scripture Union Lesotho
- 2009-2010 - External Examiner at the University of Pretoria (Biology)
- 2011-2012 - Board Member at Lesotho State oil Company

PROFESSIONAL AFFILIATIONS

PROFESSIONAL MEMBERSHIP: 1. American Society of Entomology
2. African Crop Science Society

CONFERENCES ATTENDED: - 22nd International Congress of Entomology,
AUSTRALIA

- Entomological Society of America Salt lake City, Utah
- Combined Congress Graham's Town
- Rural Development Cape Town
- International Congress of Entomology 2012 South Korea

PUBLICATIONS

- **RESEARCH DONE:**

Intraguild predation between Coccinellid predators and Aphidiid parasites

RESEARCH TITLE: Suitability Greenbugs (*Schizaphis graminum*) Parasitized by *Lysiphlebus testaceipes* as a food source for predatory Coccinellidae: *Coccinella septempunctata* and *Hippodamia convergens*

PUBLICATIONS: Royer, TA, K. L. Giles, M.M. Lebusa and M. E. Payton. 2008. **Preference and suitability of green bug, *Schizaphis graminum* (Hemiptera: Aphididae) parasitized by *Lysiphlebus testaceipes* (Hymenoptera: Braconidae) as a food source for *Coccinella septempunctata* and *Hippodamia convergens* (Coleoptera: Coccinellidae).** Biological Control 47: 82 -88.

SUPERVISION: Co-supervisor of an Msc Student

TITLE: Use of Chlorpyrifos to control American ballworm (*Helicoverpa armigera*) on oranges (*Citrus sinensis* L.)

RESEARCH INTERESTS:

- Pest management
- Biological control and factors that affect it
- Predator/prey interactions
- Intraguild relations between natural enemies
- Biology and ecology of insect vectors

ON-GOING RESEARCH:

- Evaluation of the efficacy of *Beauveria Bassiana* in a bait for the control of the natal fruit fly (*Ceratitis rosa*, diptera: tephritidae) on citrus in South Africa
- Submitted my PhD thesis for external examination

LANGUAGES

Fluent Oral and written command of Sesotho and English