

CURRICULUM VITAE

PERSONAL INFORMATION

1. Surname: Musa
2. First Name: Peter
3. Middle Name: Dennis
4. Nationality: Sierra Leonean
5. Place of Birth: Bo City, Kakua Chiefdom, Bo District
6. Date of Birth: 7th December, 1966
7. Marital Status: Married
8. Religion: Christian
9. International Languages Spoken : English , French, Chinese
10. Permanent Address: 78 Ngalu Road, Bo City, Sierra Leone
11. Contact: +232-7674-1101

EDUCATIONAL BACKGROUND (TERTIARY)

Dates	Institutions	Degrees/ Certificates
2003- 2006	South China Agricultural University	PhD (Agricultural Entomology & Pest Control)
2000-2003	South China Agricultural University	MSc (Agricultural Entomology & Pest Management)
1998-1999	Fourah Bay College (FBC), University of Sierra Leone (USL), Faculty of Postgraduate Studies Department of Education	Postgraduate Diploma in Education (PGDip.Ed)
1992-1998	Fourah Bay College (FBC), University of Sierra Leone (USL), Faculty of Pure & Applied Sciences	BSc (Hons) Zoology

WORK EXPERIENCE

2006-2008: Postdoctoral Research Fellow at South China Agricultural University (SCAU) – research focused on the screening of rice varieties for the identification of resistant genes to Brown Planthopper *Nilavapatan lugens* an insect pest of rice. The position of resistant genes then mapped as Quantitative Trait Loci (QTL) for markers-assisted selection in breeding of resistant rice varieties.

November .2012- August 2013: Acting Dean, School of Natural Resources Management Formally School of Forestry & Horticulture

2008 to Date: Senior Lecturer & Head of Department Horticulture, Njala University

2012 to 2019: Consultant Director & Officer-in Charge (OIC), Kabala Horticultural Crops Research Centre (KHCRC), Sierra Leone Agricultural Research Institute (SLARI).

Successful Case Story : I was hired by SLARI in 2012 to establish a Horticultural Crops Research Centre in Kabala with just 1 Research Officer and 1 Research Assistant . Under my consultancy I established a research centre which is now considered as one of the vibrant research centre in SLARI with Laboratory and Field Facilities for horticultural crops research . The centre is now fully operational with relevant programs .

Successful supervision of PhD candidates :

1. Dr Stephen B. Mattia – Department of Forestry, School of Natural Resources Management (Main Supervisor)
2. Dr. Alusine Edward Samura – Department of Crop Protection , School of Agriculture (Co-supervisor)
3. Dr. Norman – Department of Crop Protection , School of Agriculture (Co-supervisor)

Publication in SCI journals

1. **Musa PD** and Ren SX (2005): Development and Reproduction of *Bemisia tabaci* (Homoptera: Aleyroididae) on three bean species: Insect Science 12, 25-30
2. Qiu BL, Xu CX, **Musa PD**, Li L, Ren SX (2007): Oviposition preference of *Encarsia bimaculata* and *Erectmocer* sp.nr *furhashii* (Hymenoptera Alphelinidae two parasitoids of *Bemisia tabaci* (Homoptera : Aleyroididae) : Acta Entomologica Sinica 50 (9) 914-919
3. Zhen H, Ren SX, **Musa PD** (2008) : Effects of temperature on development , survival , longevity, and fecundity of *Bemisia tabaci* Gennadis (Homoptera : Aleyroididae) predator , *Axinoscymnus cardilobus* (Coleoptera : coccinellidae) : Biological Control (46) 209-215
4. Hu QB , Ren SX, Wu JH, Chang JM, **Musa PD** (2006) : Investigation of destruxin A and B from 80 metarhizium strains in China , and optimization of cultural conditions for the strain MaQ10 : Toxicon (48) 491-498
5. Qiu BL, Ren SX, Xu CX, **Musa PD** (2007): Developmental delay and mortality of *Bemisia tabaci* (Homoptera: Aleyroididae) parasitized by two alphelinids, *Encarsia bimaculata* and *Erectmocer* sp. nr. *Furuhashii* (Hymenoptera: Alphinidae): The Pan-Pacific Entomologist 83 (3) 235-243
6. Qiu BL, Ren SX, Lin L, **Musa PD** (2003): Effect of host plants on the development and reproduction of *Bemisia tabaci* (Homoptera: Aleyroididae) Acta Ecologica Sinica 23 (6) 1205-1210
7. Shen BB, Ren SX , **Musa PD**, Chen C (2005) : A study on the economic threshold of *Bemisia tabaci* : Acta Agriculturae universitatis Jiangxiensis 27 (2) 234-237

8. Kanneh SM, Quee DD, Ngegba PM, **Musa PD** (2017). Evaluation of Tomato (*Solanum lycopersidm*) Genotypes for Horticultural characteristics on the up land in southern Sierra Leone: *Journal of Agricultural Science* 9 (6): 213-220
9. Ngegba PM, Kanneh SM, Bayoh MS, Ndoko EJ, **Musa PD** (2018): Fungicidal effects of plant extract in control of phytopathogenic fungi of tomato *Lycopersidium esculentum* L.) Fruit rot. *International Journal of Environment, Agriculture and Biotechnology* 3 (1) 112-1117
10. Zhang C, Sheukart A, **Musa PD** , Wang XM, Qiu BL, (2017) : Evaluation of the pathogenicity of *Aschersonia aleyrodis* on *Bemisia tabaci* (homoptera: Aleyroididae) in the laboratory and greenhouse : *Biocontrol Science and Technology* 27 (2) 210-221
11. Kanneh SM, **Musa PD**, Osei MK, Quee DD, Akromol R, Lahai M (2017) : Response of different NPK fertilizer rates on the growth and yield of two local varieties of Pepper (*Capsicum annum* L) in Ogoo Farm , Western Area, Sierra Leone ; *APRN Journal of Agriculture and Biological Sciences* 12 (4)124-127
12. Zhang C, Shao ZF , Han YY, Wang XM , Wang ZG, **Musa PD** , Qiu BL, Shaukat A (2018) Effect of *Aschersonia aleyrodis* on life table and demographic parameters of *Bemesia tabaci* *Journal of Integrative Agriculture* 2018 17 (2) 389-396 ,

PhD Dissertation

Studies on the pathogenicity of the fungus *Aschersonia aleyrodis* as bio-control agent against *Bemisia tabaci* (Homoptera: aleyroididae)

This dissertation has a practical laboratory focusing on spore isolation from source, culturing, harvesting as principal elements similar to spawning . The same instruments are used, so I am familiar with most of equipment for fungal research activities .

Research Areas /Interest

- Ecological based pests and diseases management of horticultural crops
- Nursery management and germplasm enhancement of horticultural crops
- Baseline survey, data development and statistical analysis
- Molecular breeding using markers assisted selection of crops
- Socio-economic evaluation of crops on livelihoods
- Gender Integration and Equity in Farming systems
- Women cooperation and vegetable farming
- Underutilized crops and socio-economic impacts
- Biological Control – development of fungal biopesticides for pest management

Expertise / consultancy

- Project management, evaluation and reporting
- Crop Diversification strategy and impacts
- Risk assessment of chemical pesticides on agro-fields

- Policy formulation strategy on horticultural sub-sector
- Seed multiplication and management strategies
- Climate change impacts on crops
- Capacity building and rural farmers enhancement
- Value Chain Analysis of Vegetable & other Horticultural Crops

Courses and Modules Taught

Undergraduate Modules

- NRM 324 : Plant Health , Transboundary Pests & Diseases Management
- NRM 211 : Principles of Ecology for Natural Resources Management
- NRM 221: Sustainability of Resources Management
- MRM 223 : Plant and Animal Taxonomy & Systematics
- NRM 315 : Applied Statistics & Research Methods
- HORT 314 : Plant Propagation
- HORT 324 : Experimental Design & Research Methods
- HORT 412 : Pests & Diseases Management of Horticultural Crops

Postgraduate Modules

- HORT 612 : Advanced Pests & Diseases Management
- HORT 623 : Advanced Plant Propagation
- FOR 613 : Advanced Forest Entomology & Pathology
- FOR 614 : Ecological Processes for Economic Development
- NRM 612 : Applied Ecology

Referees:

1. Prof. Dr. Andrew Baimba
Department of Physics , Njala University
PMB, Freetown , Sierra Leone
Tel : 079214202

1. Dr. Muneer Jalloh
Registrar
Njala University
PMB , Freetown Sierra Leone
Tel : +232-78-701222

Dr. Peter D. Musa
Senior Lecturer & Head, Department of Horticulture
School of Natural Resources Management

Njala University
PMB, Freetown, Sierra Leone
E-mail 1 petermusa43@yahoo.co.uk
E-mail : pmusa@njala.edu.sl
Tel : +232-76741101

CURRICULUM VITAE

BIO DATA

Name: Memuna Kadie Sawi (nee Manyeh)
Date of Birth: 05/05/1978
Place of Birth: Wonde Gboyama, Bo District
Sex: Female
Nationality: Sierra Leonean
Marital Status: Married
Mailing Address: Institute of Food Technology Nutrition and Consumer Studies, School of Agriculture, Njala Campus, Njala University, Sierra Leone Email: cadeesawi@gmail.com
/msaw@njala.edu.sl
Mobile: +232 76 228 569

PRESENT PROFESIONAL POSITION

Lecturer & Acting Director, Institute of Food Technology Nutrition and Consumer Studies- School of Agriculture and Food Sciences Njala University

ACADEMIC QUALIFICATIONS:

2019-date University of Hohenheim, Stuttgart Germany-PhD reading
2006- 2008: London South Bank University, United Kingdom-
MSc in Food Safety and Control.
Main Subjects: New Product Development, Practical Food Safety & Control, Food Microbiology Biology, Advanced Food Composition,

UK Food Legislation (UK Food Hygiene Regulations, EU Food Laws, Food Quality Control, etc.

2003- 2004:

Njala University College

MSc in Nutrition & Dietetics

Passed all Subjects with distinction.

1998-200:

Njala University College

BSc in Home Economics Education

Passed all subjects (First Division)

Main subjects: Food processing and Preservation,

Human Nutrition, Curriculum Development, Research

Methodology, Educational Administration, Teaching

Methodology, Microbiology, Human Physiology, Biochemistry

POST GRADUATE SEMINARS, TRAININGS AND WORKSHOPS

August 2012:

May 2005:

.

May 2012:

workshop on Organic Agriculture,

April - May 2011:

Organic Agriculture workshop: Nkruma University of Science and Technology, Kummasi Ghana. In collaboration with Coventry University, UK

February 2011 :

Nutrition Education Curriculum Development, ENACT, FAO, Ghana. (Organised by FAO)

January 2010:

January. 2010:

Training Course on Data Analysis on the use of stable Isotopes to assess Infant and Young Child Feeding, Kanye, Bostwana

August 2009:

Food Fortification and Food Safety training, Dakar, Senegal

Facilitator, Joint University of Illinois/ Njala University Nutrition and Food Security short course

July 2007:

Scientific Writing and Communication Skills, University of Agriculture Abeokuta, Nigeria

June 2006:

Regional (AFRA) Training Course on Standard Operating Procedures(SOP) for Isotope Techniques in Infant and Young Child Nutritional Status, Dar es Salaam, United Republic of Tanzania.

Certificate (Credit) Hazard Analysis and Critical Control Points (HACCP). Royal Institute of Public Health, United Kingdom	Liral Veget Training and Recruitment Ltd. Pre - NVQ in Food hygiene and mental health, United Kingdom MRC Human Nutrition Research, Elsie Widdoson Laboratory, Cambridge University, Cambridge, UK Certificate in Stable Isotopes Techniques & FTIR Analysis for the measurement of Body Composition & Lactatio
--	--

Training of Trainers of Right to Food Curriculum FAO

RESEARCH AND CONSULTANCIES

August 2023:	National Consultant for Welthungerhilfe Sierra Leone: Baseline Study to assess the opportunities for scaling up the multisectoral approach “Nutrition Smart CommUNITY”
September 2022:	National Consultant for Welthungerhilfe Sierra Leone: MAPP ex-post impact assessment project SLE1056 Kenema District
March 2022:	Welthungerhilfe Sierra Leone: Feasibility Study to assess the opportunities for scaling up the multisectoral approach “Nutrition Smart CommUNITY”
January 2017:	Participant, LSHTM health Policy & Systems Research Training. Organised by London School of Tropical Medicine
October 2016 – 2019:	Lead Offeror/Technical field manager, Food Aid Quality Review (FAQRIII), Comparison of Four Different Supplementary Foods in the Treatment of Moderate Acute Malnutrition (MAM) in Children in Sierra Leone: A Cluster — Randomised, Controlled Clinical Effectiveness Trial in Pujehun District, Sierra Leone. In collaboration with Tufts University, Boston USA.
January 2016:	National Annual Review of Nutrition, Directorate of Food and Nutrition, Ministry of Health and Sanitation Sierra Leone
November 2016:	Participant, Capacity enhancement Training for Health Professionals of the School of Community Health Sciences (SCHS) of Njala University. Organised by the KIT Health, Netherlands

December 2015:	Facilitator - farmers training workshop on integrated aquaculture (product development in rice, fish and pig), Towama integrated fish farm, Bo.
January 2013-October 2014:	Lead Consultant and Team Manager, Food Aid Quality Review (FAQR II), Comparison of Four Different Supplementary Foods in the Treatment of Moderate Acute Malnutrition (MAM) in Children in Kenema Sierra Leone: A Cluster — Randomised, Controlled Clinical Effectiveness Trial. In collaboration with Tufts University, Boston USA
November-December 2013:	Feasibility Study, Formative Research for the Development of a Home Fortification Programme for Young Children in Sierra Leone.
March-April 2013:	Lead Consultant: Review of Nutrition Syllabus for Nurses and Training of Trainers. (WHO sponsored).
March 2013:	Mamanieva: Engaging grandmothers to promote optimal nutrition and care of pregnant and lactating women and their young children. World Vision Project.
October 2012:	Survey of Infant and Young Child Feeding Practices-. Save The Children International.
November 2012:	Lead Consultant: Breastfeeding survey using the IGB approach. Save the Children International.
December 2012:	Lead Consultant:Gap Analysis and Review of Nutrition Syllabus for Health Training Nutritional Guide lines for people living with HIV/AIDS- World Food Programme, HIV Focal Point, Nutrition Division.
May 2012:	Lead Consultant:Sierra Leone National Nutrition and Food Security Policy Analysis. Save the Children International.
May 2011:	Lead Consultant:Baseline survey for Supplementary foods at PHUs in Sierra Leone- PLAN and WFP Sierra Leone
May 2011:	Lead Consultant:Consultant- World Food Programme Maternal Child Health Component Summary.
April 2011:	Improving Nutrition through Agriculture: Challenges and Opportunities. An example from Sierra Leone: In collaboration with Wageningen University Holland, Sierra Leone Agricultural Research Institute.
May 2010:	Agriculture and Nutrition Situation Analysis, Mapping Exercise. Developing Recipes on sweet potato tubers to maximise consumption (Targeting Food Security at house hold level).

July 2010:	Researcher/ Facilitator, Agriculture and Nutrition Situation Analysis Survey.
October 2009:	Partnership for Regional Food Developers Initiative -A Capacity Building Support Strategy for Poverty Reduction in West Africa and the Establishment of a (Food and Organic Agriculture Network) Presented on Nutrition curriculum for integration into organic Agriculture for West Africa, 27TH February 2009
May 2009:	Facilitator, Work shop Training Programme on Operationalising the Nutritional Guideline for People Living with HIV (World Food Programme, WFP)
June 2009:	External Evaluator, Grass Root Gender Empowerment Movement, Western Rural & Lunsar communities.
May 2008:	Facilitator, Complimix, Bonthe, & Bombali District (World Food Programme)

SCHOLARSHIP, FELLOWSHIPS AND PRIZES

1. .Exceed-Higher Education in Development Cooperation, sponsored by the German Academic Exchange Service (DAAD), 2017.
2. International Atomic Agency Scientific fellowship, Cambridge University, England, 2005
3. Commonwealth scholarship, UK 2006.
4. University Prize, first class honours, December 2002
5. Sierra Leone Granting Aid 1999
6. Sierra Leone Granting Aid 2003

MEMBERSHIP OF PROFESSIONAL BODIES

1. . American Society of Nutrition (ASN)
2. West Africa Food Science and Technology
3. International Society for Root and Tuber African Branch, Kinshasa, DRC
4. Food fortification Programme for Higher Education in West Africa.
5. West African Association of Food Science and Nutrition.
6. Food and Organic Agriculture Network.
7. Food Law academy Africa. Wageningen University, Holland
8. American Society for Nutrition

WORK EXPERIENCE

2002-present:

Lecturer I , Institute of Food Technology, Nutrition and Consumer Studies, School of Agriculture and Food Sciences, Njala Campus Njala University.

Tel: 00232 229454/ Email: nuc@sierratel.sl

July 2009-present:

Research Fellow -Sierra Leone Agricultural Research Institute (SLARI)

January-August 2006:

Part Time Lecturer, Nurses Training School, College Of Medicine & Allied Health Sciences, University of Sierra Leone. Tel: 00232 240 583.

2004-2006

External Examiner, NCTVA

PUBLICATIONS

West African Foods from Root and Tuber Crops- A Brief Review. University of Agriculture, Abeokuta, Nigeria. AAU/MRC1/08/F07/P33 Project. ISBN 978-978-49396-8-3. 82pp.

Recommended curriculum for nutrition and dietetics in tertiary institutions (Universities) in West Africa', University of Agriculture, Abeokuta, Nigeria. AAU/MRCI/08/F07/P33 Project. ISBN 978-978-49396-7-6. 27pp.L. sanni, A. A.

Adebowale, M. A. Idowu, M. K. sawi, N. R. Kamara, 1. O. Olayiwola, M. Egunlety, A. Dipeolu, I. O. O. Aiyelaagbe, and S. Fomba (2009).

3.

Proximate Characteristics and Complementary Assessement of Five Organic Sweet Potatoes Cultivars and Cowpea VarietiesN.M

Anthony, I M. K. Sawi,2 O.O. yelaagbe3A.Taiw03,T. Winnebah,2 S.N Fornba.2

4.

Community Cluster Approach: Its Added Value in Surveys Conducted At Rural Community Level. Memuna Kadie

Sawi¹, David S. Yambasu², Stacy Griswold³, Beatrice Rogers³, Devika Suri³, Breanne Langlois³.1Njala University, Njala, Sierra Leone, 2 Caritas Bo, Sierra Leone, 3 Tufts University, Boston, MA USA

DETAILS OF ADMINISTRATIVE EXPERIENCE AND SPECIAL RESPONSIBILITIES-UNIVERSITY/ PUBLIC SERVICE

1. Acting Director, Institute of Food Technology and Consumer Studies, Njala University
2. . Member of the Academic Staff Campus Working Committee.
3. Placement coordinator for Clinical Experience Internship; under- and postgraduate levels
4. School of Agriculture Representative to Senate.
5. Associate director, DPRD, Njala University.
6. Secretary General, Academic Staff Association (2006/ 2008)