

## Curriculum Vitae



### Personal Information

Full Name	Celimphilo Shakes Mavuso
Nationality	Swazi
Date of Birth	10 April 1982
Country	Kingdom of Eswatini
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### Career Objectives

To contribute towards academic teaching, field research upliftment and community service through theoretical and practical involvement using a combination of both conventional and biotechnology techniques.

### Education

<b>Doctor of Philosophy (Ph.D.)</b> <b>2011 – 2017</b>	National Pingtung University of Science and Technology, 1, Shuefu Rd., Neipu, Pingtung, Taiwan, 91201 Department of Tropical Agriculture and International Cooperation Republic of China (Taiwan) <b>Majored in Plant Science</b>
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<b>Dissertation Title</b>	Effects of Sodium Azide on Yield Traits and the Genetic Diversity of <i>Jatropha curcas</i> L. Accessions in Taiwan.
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<b>Master Degree</b>  <b>2009 – 2011</b>	National Pingtung University of Science and Technology 1, Shuefu Rd., Neipu, Pingtung, Taiwan, 91201 Department of Tropical Agriculture and International Cooperation Republic of China (Taiwan) <b>Majored in Plant Science</b>
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<b>Thesis Title</b>	Effect of Fertilizer Rates and Pruning Regimes on the Yield of <i>Jatropha curcas</i> L. Growing in Southern Taiwan.
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**Bachelor Degree****2000 – 2005**

University of Swaziland

Department of Crop Production

Diploma in Agriculture (General) and Bachelor of Science

**Majored in Crop Production****Thesis Title**Defoliation Effects on the Yield of Maize (*Zea mays*) and its Potential Benefits to Small Scale Swazi Dairy Farmers.**Work Experience****June 2020 - Present**

Lecturer – University of Eswatini, Department of Horticulture

**Scope of Work**

Responsible for teaching, research and community service activities

**September 2018 – June 2020**

Technical Controller – TWK Agriculture – Shiselweni Forestry Company

**Scope of Work**

Responsible for forest planning, silvicultural operations, research collaborations and tree species trials

**2008 –2009**

Learner Block Forester: Shiselweni Forestry Company (SFC Swaziland)

**Scope of Work**

Responsible for silviculture operations

**2005 – 2007**

Team leader: Royal Swaziland Sugar Corporation (RSSC), Section 9

**Scope of Work**

Responsible for sugarcane agronomy activities

**Summary of Skills**

- Tree Breeding
- Molecular Plant Breeding
- SAS and SPSS statistical software packages
- Arlequin, Popgene, Genalex and NTSYSC molecular software analysis
- Microsoft Office Word, Microsoft Office Excel, and Microsoft Office PowerPoint
- Report Writing

### Languages

English - Native

Siswati - Native

Zulu - Good

Chinese (Mandarin) – average

### Conference Presentations

Conference Name	CONSEQUENTIUM Innovation Forum
Presentation Title	Validation of Cassava: “The Hidden Gold and Resilient Crop to Climate Change”
Venue	Taipei, Taiwan
Date of Conference	November 10, 2016
Award	Certificate of Recognition

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Conference Name	Annual Meeting of Agronomy Society of Taiwan
Presentation Title	Effect of Fertilizer Rates and Pruning Regimes on the Yield of <i>Jatropha curcas</i> L. in Taiwan
Venue	Pingtung, Taiwan
Date of Conference	April 28, 2011

### Short Courses Attended

1. Certificate of Completion: Massive Open Online Course on National Adaptation Plans: Building Climate Resilience in Agriculture – December 20, 2017
2. ArcGIS Basic Certificate – 19 November 2018 – 23 November 2018 – Esri, Midrand
3. An Introduction to Modern Tree Breeding – Theory and Practical Field Training – 30 September 2019 – 09 October 2019 – University of Pretoria
4. ISO/IEC 17025:2017 Requirements and Internal Auditing – 05 June 2012

### Publications

1. Mavuso, C. S., C. W. Wu, G. S. Chen, and S. J. Lin. 2011. Effect of Fertilizer Rates and Pruning Regimes on the Yield of *Jatropha curcas* L. Growing in Southern Taiwan. *Journal of International Cooperation* 6(2):153-170.
2. Mavuso, C., Y. P. Wu, F. C. Chen, B. H. Huang, and S. J. Lin. 2016. Genetic Diversity Analysis of *Jatropha curcas* L. Accessions Cultivated in Taiwan using Inter Simple Sequence Repeats (ISSR) Markers. *Agroforestry Systems* 90(3):417-431.
3. Mavuso, C., Y. P. Wu, F. C. Chen, M. H. Hsu, and S. J. Lin. 2016. Chemical Mutagenesis of *Jatropha curcas* L. and Field Evaluation of Putative Mutants for Vegetative and Seed Yield Traits. *Journal of International Cooperation* 11(2):51-86.
4. Hlophe, N.L. and Mavuso, C.S. 2018. A Comparative field assessment of Bt and non-Bt cotton varieties in Swaziland. *International Journal of Development and Sustainability*, 7(11):2694-2703.

5. Mkhabela, S.N. Mavuso, C.S. Masarirambi, M.T. and Wahome, P.K. 2020. The effects of different organic fertilizers on the vegetative growth and fruit yield of baby marrow (*Cucurbita pepo* L.) in Luyengo, Eswatini, *International Journal of Development and Sustainability*, 9:49-67.

### **Referees**

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