

Curriculum Vitae

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Married
Zimbabwean
DOB: 30 December 1983
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Academic Qualifications 1. A PhD candidate at UKZN South Africa 2020-2022. **Topic of study :**
Understanding the interception component of the hydrological cycle using Eddy covariance and surface renewal methods: A woody encroachment study at Cathedral Peak, experimental catchment at Maloti Drakensberg .

2. MSc Agro-Meteorology degree, University of Zimbabwe (2008-2010).-

3. BSc Hons. Degree Physics , University of Zimbabwe (2003-2006)

1. Employment History

A Senior lecturer in Physics at Great Zimbabwe University (2011 to Date) in Zimbabwe with the following duties:

- ❖ Teaching
- ❖ Researching
- ❖ University Committees member

2. Previous employment

1. As a graduate teaching assistant at the University of Zimbabwe (2009-2010)
2. As a Maths and Physics teacher at Mtshabezi High School (2006-2008) Mat. South, Zimbabwe

3. IT Skills and competencies

- Able to use Programming languages like Visual Basic and C++
- Have theoretical knowledge of GIS and Remote sensing
- Have exposure in Project Management
- Able to use e-learning packages
- Able to use SPSS, E-views and Minitab softwares

4. Publications / Research articles

1. **Simba FM** (2018) Zimbabwe's Preparedness to Manage Meteorological Disasters: A Case of Applying Disaster Risk Management Strategies in Managing Impacts of Climate Change in Zimbabwe. J Geogr aphy and Natural Disasters 8: 232
2. **Simba FM**, Chayangira J (2017) Rainfall Seasons Analysis as a Guiding Tool to Small Holder Farmers in The Face of Climate Change in Midlands in Zimbabwe. J Earth Sci Clim Change 8: 392. doi: [10.4172/2157-7617.1000392.s](https://doi.org/10.4172/2157-7617.1000392.s)
3. **Simba FM** and Chiturumani MT, (2017). Comparison of satellite data and ground based weather data in Masvingo, Zimbabwe. EPH J. of Applied Sciences vol3(7) pp 1-12.
4. **Simba FM**, Hlahla H, Ngaza N (2018) Physical Characterization of Fibre Optic Cable using Simple Laboratory Stress Tests. J Material Sci Eng 7: 471.
5. **Simba FM**, Chayangira J (2017). Midseason droughts review for smallholder farmers in Buffalo Range, Zimbabwe. IOSR Journal of Environmental Science, Toxicology and Food Technology . Vol 11(1)

6. Chayangira J and **Simba FM** (2017). Temperature control techniques for an Azrom type greenhouse shelter in Zimbabwe. *IJMSS Journals*, Vol 5(3)
7. **Simba F.M. (2014)**. Computing net radiation from temperature variables: Improvising for under-resourced weather stations in developing countries. *IOSR Journal of Applied Physics Volume 5(5), PP 01-06*
8. Chikodzi D, Murwendo T and **Simba FM (2014)**. Reliability of indigenous knowledge in monitoring and mapping groundwater fluctuations in Zimbabwe. *International Journal of Development and Sustainability* Vol 3 (1) (2014): Pages 231-241
9. **Simba FM**, Matorevhu A, Chikodzi D, Murwendo T **(2013)** Exploring Estimation of Evaporation in Dry Climates Using a Class 'A' Evaporation Pan. *Journal of Irrigat Drainage Sys Eng* 2: 109. doi:[10.4172/2168-9768.1000109](https://doi.org/10.4172/2168-9768.1000109)
10. **Simba F.M**, Mubvuma M, Murwendo T, Chikodzi D. **(2013)**. Predictions of yields and biomass productions: a remedy to climate change in semi-arid regions of Zimbabwe. *International Journal of Advance Agricultural Research .Vol 1(2) pp 14-21*.
11. Chikodzi D, Zinhiva H, **Simba F.M**, Murwendo T. **(2013)**. Reclassification Of Agro-Ecological Zones In Zimbabwe – The Rationale, Methods And Expected Benefits: The Case Of Masvingo Province. *Journal of sustainable development in Africa*. Vol 15 (1). pp 104-116
12. Chayangira J, Mashonjowa E, **Simba F.M. (2013)**. Effects of different ventilation strategies on the microclimate and transpiration of a rose crop in a greenhouse. *Journal of physical sciences*. Vol. 3 (5), pp. 166-181
13. Chikodzi D, **F Simba**, Murwendo T (2012) Perceptions, vulnerability and adaptation to climatic change and variability in Masvingo Province. *Journal of physical sciences* Vol. 2 (5), pp. 156-165.
14. Murwendo T, Chikodzi D, **Simba F.M (2013)**. Climate Change and Variability in Southeast Zimbabwe: Scenarios and Societal Opportunities. *American Journal of Climate Change. Vol (2), 36-46*
15. Mudzengi B. K, **Simba F.M**, Murwendo T, Mdlongwa T. **(2013)** .Perspectives in climate change and gender issues : A case study of Masvingo province, Zimbabwe. *Sacha J. Environmental Studies, UK*. Vol. 3 No. 1 pp 1-10.
16. **Simba F.M**, Seyitini L, Murwendo T, Chayangira J, Mapurisa B, Matete C, Chirima J, Mashonjowa E, Mufandaedza J. **(2012)**. Analysis of trends in dryspells during rainy seasons for Masvingo Airport and Zaka stations in Masvingo province, Zimbabwe. *J. Environmental Research and development, JERAD, Vol.7 No.1A. pp 218-228*
17. **Simba F.M**, Murwendo T, Chikodzi D. **(2012)**. Environmental changes and farm productivity: an assessment of the Masvingo province of Zimbabwe. *Sacha J. Environmental Studies, UK. Vol 2. No.1 pp 114-129*.
18. **Simba F.M**, Chikodzi D, Murwendo T. **(2012)** Climate change scenarios, perceptions and crop production: a case study of semi-arid Masvingo province. *J. Earth sciences and climatic change. Vol 3. No 3: 124*.
19. **Training Manual**: Mubaya Chipu, **Simba Farai M**, Mashawi Linia, Nhongonhema R, Mupuro John, Mabhehla Keneddy . **(2014)** *Training Manual For Strengthening Climate And Weather Information Dissemination Project In Agriculture Extension: OxfamGB archives. 42 pages*
20. A consultancy report Climate analysis section of the Tuli Karoo transboundary aquifer for SADC GMI sponsored project on conjunctive cooperation on sustainable management of shared waters of Tuli Karoo aquifer system (Feb-November 2019).

REFERENCES

Dr Alistair Clulow: Supervisor for Phd studies: Lecturer at UKZN: Mobile: +27 845800269 Email: clulowa@ukzn.ac.za

Mr T Murwendo: Senior lecturer Geography: Mobile : +263 774 056 346 tmurwendo@gzu.ac.zw

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