CCARDESA

Centre for Coordination of Agricultural Research & Development for Southern Africa
Centre De Coordination De La Recherche Et Du Développement Agricole De L'afrique Australe
Do Centro De Coordenacão Da Investicacão E Desenvolvimento Aarário Da África Austral

PLEASE FIND THE CV FORMAT BELOW

CURRICULUM VITAE

1. **Family name:** Myeni
2. **First names:** Lindumusa
3. **Nationality: South African**
4. **Country of Residence:** South Africa
5. **Contact details:** lindomyeni@gmail.com

6. **Education:**

Institution **[Date from - Date to]**	**Qualification obtained:**
University Of KwaZulu-Natal June 2017 – Jul 2020 (Graduated: Oct 2020)	PhD (Agrometeorology)
University Of KwaZulu-Natal Jan 2015 – Dec 2016 (Graduated: April 2017)	MSc (Agrometeorology)
University Of KwaZulu-Natal Jan 2014 – Dec 2014 (Graduated: April 2015)	Hons. (Hydrology)
University Of KwaZulu-Natal Jan 2010– Dec 2013 (Graduated: April 2014)	BSc. Science (Hydrology and Soil Science)

7. **Language skills:** (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	Excellent	Excellent	Excellent
IsiZulu	Excellent	Excellent	Excellent
isiXhosa	Good	Good	Good
Siswati	Good	Good	Good
Sesotho	Fair	Good	Fair

8. **Membership of professional bodies:**

International Association of Hydrological Sciences

9. **Specialisation** : Natural Sciences, Agrometereology, Soil and water sciences, Climate change - Adaptiation of agricultural systems

10. **Present position:** Researcher (Agrometereology)

11. **Key Skills:** Hydological modelling, crop modelling, Agricultural and climate research, Communication, presentation and report writing

12. Specific experience:

Country	Date from - Date to
South Africa	2014 - Present

13. Professional experience (Formal employment and Assignments/consultancies)

Date from - to	Location	Organisation	Position	Description of Duties and achievements
1 February 2021- Present	Pretoria, South Africa	Agricultural Research Council	Researcher: Agrometeorology	My role is to conduct research on agrometeorological analysis/modelling; undertake the development of new research projects on climate change and its impact on agriculture, climate change mitigation and adaptation; to support the climate monitoring network and database management; to seek new clients and develop proposals.
1 August 2020- 31 January 2021	Pretoria, South Africa	Agricultural Research Council	Postdoctoral researcher: Agrometeorology	My role was to render research, ensure successful completion of projects in compliance with set standards and disseminate information to relevant key stakeholders.
1 June 2017 to 31 July 2020	Pretoria, South Africa	Agricultural Research Council	Professional development doctoral student	My role was to conduct fieldwork involving maize-dry beans including soil sampling and classification, experimental trials- setup, crop monitoring, monitoring and modelling soil moisture, agricultural, hydrological and meteorological data monitoring and collection. To write literature reviews and project proposals, data analysis, report and scientific publications write-up as well as the presentations. To

Date from - to	Location	Organisation	Position	Description of Duties and achievements
				disseminate climate information and educate smallholder farmers on sustainable agricultural management practices to assist them in coping with climate variability.
2015-2016	Pietermaritzburg, South Africa	KwaZulu-Natal Department: Agriculture and Rural Development	Soil science intern	My role was to do laboratory soil tests and analytics for fertilizer recommendations using different laboratory equipment. My role was also to assist researchers with fieldwork, on trial-setup, monitoring and evaluations.
2014-2015	Scottsville, Pietermaritzburg, South Africa	University of KwaZulu-Natal	Demonstrator in Agrometeorology	Setting-up and demonstrating how to use different sensors to collect climate data during practical sessions as well as marking practical reports of undergraduate students.

14. Publications

PEER-REVIEWED PUBLICATIONS

Myeni, L., Moeletsi, M. E., & Clulow, A. D. (2019). Present status of soil moisture estimation over the African continent. *Journal of Hydrology: Regional Studies*, *21*, 14-24.

Myeni, L., Moeletsi, M.E, Thavhana, M., Randela, M., & Mokoena, L. (2019). Barriers Affecting Sustainable Agricultural Productivity of Smallholder Farmers in the Eastern Free State of South Africa. *Sustainability*, *11*(11), 3003.

Myeni, L., Moeletsi, M. E., & Clulow, A. D. (2020). Assessment of three models for estimating daily net radiation in southern Africa. *Agricultural Water Management, 229*, 1-8.

Myeni, L., & Moeletsi, M. E. (2020). Factors Determining the Adoption of Strategies Used by Smallholder Farmers to Cope with Climate Variability in the Eastern Free State, South Africa. *Agriculture, 10*, 410; doi:10.3390/agriculture10090410.

Myeni, L., Moeletsi, M.E. and Clulow, A.D., 2021. Field calibration of DFM capacitance probes for continuous soil moisture monitoring. *Water SA, 47*(1 January).

Myeni, L., Moeletsi, M. E., & Clulow, A. D. Development and analysis of a long-term soil moisture data set in three different agroclimatic zones of South Africa. So*uth African Journal of Science, 117*(5-6), 1-8.

Myeni, L., Moeletsi, M. E., Nyagumbo, I., Modiselle, S., Mokoena, L., & Kgakatsi, I. B. (2021). Improving the Food and Nutritional Security of Smallholder Farmers in South Africa: Evidence from the InnovAfrica Project. *Sustainability, 13(17)*, 9902.

Myeni, L., Mdlambuzi, T., Paterson, D.G., De Nysschen, G., Moeletsi, M.E. Development and Evaluation of Pedotransfer Functions to Estimate Soil Moisture Content at Field Capacity and Permanent Wilting Point for South African Soils. *Water. 2021*; 13(19):2639. https://doi.org/10.3390/w13192639

Myeni, L., Savage, M. J., & Clulow, A. D. (2021). Modelling daily net radiation of open water surfaces using land-based meteorological data. *Water SA*, *47*(4 October).

NON-PEER-REVIEWED PUBLICATIONS

Savage, M.J., Pasi, J.M**., Myeni, L.**, Clulow, A.D. (2017). Open water evaporation measurement using micrometeorological methods. Water Research Commission Report No. K5/2335, Pretoria, South Africa. Available at: http://www.scli.org.za/wp-content/uploads/2013/12/Final-K5_2355-Savage-Open-water-evaporation_061216c-high-quality.pdf.

Thavhana, M., **Myeni, L.**, Moeletsi, M. E. (2019). Bringing sustainability into farming. Available at: https://issuu.com/nufarmerafrica.

Thavhana, M., **Myeni, L.,** Moeletsi, M. E. (2019). At the forefront of Crop monitoring. Available at: https://issuu.com/nufarmerafrica.

Myeni, L. (2021). Good soil fertility management is the first step to sustainable agricultural production for smallholder farmers. Available at: https://www.harvestsa.co.za/current-issue/

Myeni, L. (2021). Climate-related hazards: How smallholders can mitigate its consequences. Available at: https://www.agriorbit.com/climate-related-hazards-how-smallholders-can-mitigate-its-consequences/

CONFERENCES

Savage MJ, Pasi JM, **Myeni L**, Clulow AD. Monin-Obukhov Similarity Method for Open Water Evaporation. Paper presentation to 18th SANCIAHS Symposium, Durban, South Africa in September 2016. Presented by MJ Savage.

Myeni L, Moeletsi ME, Clulow AD. 2018. Field performance of two soil moisture sensors in Free State, South Africa. Paper presentation to African Combined Congress, Cape Town, South Africa in January 2018.

Myeni L, Savage MJ, Clulow AD. 2018. Evaluation of the DPMETHS model for improved estimation of open water evaporation in South Africa. Paper presentation to BRICKS Conference, Durban, South Africa in June 2018.

Myeni, L., Moeletsi, M. E., & Clulow, A. D. (2019). Field calibration of DFM capacitance probes for continuous soil moisture monitoring in South Africa. Paper presentation to ARC-Postgraduate Conference, Pretoria, South Africa, 7th October 2019.

Myeni, L., Moeletsi, M. E., & Clulow, A. D. (2019). Evaluation of three models for estimating daily net radiation within the FAO Penman-Monteith method in southern Africa. Paper presentation to 35th Annual Conference of the South African Society for Atmospheric Sciences (SASAS), Vanderbijlpark, Gauteng, South Africa on 8th October 2019.

Myeni, L., & Moeletsi, M. E. Farmers' perception and adaptation strategies to cope with climate variability: A case study in the eastern Free State, South Africa. Paper presented to the 1st International Conference on Recent Advances in Agricultural Science (ICRAAS-2021), Noida, Uttar Pradesh (India) on 16-17th March 2021.

Myeni, L., Moeletsi, M. E., & Clulow, A. D. (2021). Impacts of climate variability on soil water content in three different agro-climatic zones of South Africa. Paper presented to the South African Society for Atmospheric Sciences (SASAS) 2021. On-line Conference 18 and 19 November 2021.

15. Professional Referees

Name : Dr Alistair Clulow
Company : University University of KwaZulu-Natal
Position : Agrometeorology Lecturer
Relationship : PhD supervisor
Contact Number : 033 260 6476
Email: : Clulowa@ukzn.ac.za

Name : Dr Mokhele Moeletsi
Company : Agricultural research council
Position : Agromet-Research Team Manager
Relationship : Mentor during the ARC-Professional development program
Contact Number : 012 310 2537
Email: : MoeletsiM@arc.agric.za

Name : Dr Thandile Mdlambuzi
Company : South African Sugarcane Research Institute
Position : Researcher
Relationship : Technical advisor during the Doctoral program
Contact Number : 072 4586 134
Email: : tmdlambuzi@gmail.com

Name : Dr Bonginkosi Vilakazi
Company : University of Zululand
Position : Agriculture Lecturer
Relationship : Technical advisor during the Masters program
Contact Number : 078 5636 543
Email: : vilakazib1@gmail.com