



## Short CV

Lindsay Banda, PhD

Lecturer: Horticulture



### Courses Presented

HORT 3734 /HORT 3774 – Fruit Production – Undergraduate

SCCS 3724 - Research Methodologies in Soil, Crop and Climate Sciences

SCCS 1624 - Introduction to Soil, Crop and Climate Sciences

### Research Focus

1. Sap flow studies in fruit trees.
2. Hydraulic characteristics of different fruit trees.
3. Physiological responses of fruit trees to various environmental stress factors.
4. Studies of root growth dynamics using the minirhizotron technique.
5. The use of remote sensing techniques for agricultural water management.
6. Modeling water use of fruit trees.

### Most Recent Publications

1. Muchena, L., Dzikiti, S., Lötze, E. and Midgley, S.J.E., 2019, October. Using sap flow sensors to study the influence of rootstock and mid-summer water deficit on transpiration of apple trees in South Africa. In *XI International Workshop on Sap Flow 1300* (pp. 201-210).
2. Midgley, S.J.E., Muchena, L. and Dzikiti, S., July 2020. Measuring tree sap flow; Why and how? *South African Fruit Journal* (pp. 80-82).
3. Banda, L., Tharaga, P. C., Dlamini J. C., Mobe, N. T., Ntshidi, Z., Dirwai, T. L., and Pareeth, S., 2024. Gas exchange and water relations of Imperial Apricot (*Prunus armeniaca*) cultivar grafted on Marianna and Apricot rootstocks. 1<sup>st</sup> International Apricot Plum Symposium.
4. Tharaga, P. C., Banda, L., Pareeth, S., Dirwai, T., Dlamini, J.C., Mobe, N., and Ntshidi, Z., 2024. Remote sensing-based evapotranspiration of apricot trees under irrigation in South Africa. 1<sup>st</sup> International Apricot Plum Symposium.

### Fun Fact