

Jerry Celumusa Dlamini

PERSONAL INFORMATION

Email Address: jerrydlamini012@gmail.com/DlaminiJC@ufs.ac.za
Telephone: (+27)780659070/ (+27)780512608
Date of Birth: 10th September 1987
Nationality: South African
LinkedIn: <https://www.linkedin.com/feed/?trk=>
Research gate: <https://www.researchgate.net/>

PROFILE

Experienced lecturer and researcher currently working at the department of Soil-Crop and Climate Sciences at the University of the Free State, since the beginning of 2017. I am responsible for teaching Plant Biology and Introduction to Soil, Crop and Climate Sciences modules. I have also worked at NorthWest University where I was responsible for teaching Introduction to Soil Science and Plant Nutrition and Fertilizers modules, between October 2015 and December 2016. I am also busy with a PhD. Agronomy degree registered at the University of Pretoria and research collaborated between UP and Rothamsted Research in the United Kingdom. The research is entitled "*Greenhouse gas emissions from croplands and different downslope buffers*". I am also a holder of an MSc.(Agric.) and BSc. Agronomy degrees from the University of Pretoria and University of Swaziland respectively

PROFESSIONAL QUALIFICATIONS

Period	Institution	Qualification	Research Theme	Supervisor
2019-2022	University of Pretoria	PhD. Agronomy	Greenhouse gas emissions from croplands and different downslope buffers	Dr. Eyob Tesfamarian & Dr. Laura Cardenas
2013-2015	University of Pretoria	MSc.(Agric.): Agronomy	Maize growth and yield as affected by different soil fertility regimes in a long-term trial	Dr. Diana Marais & Prof Piet Hammes
2008-2012	University of Swaziland	BSc. Agronomy	Sugarcane filter-cake effects on potato growth and yield.	Dr. Nozipho Motsa, Prof. OT. Edje & Dr. Diana Earnshaw

EXPERIENCE

1. University of the Free State

Position: Lecturer & Researcher
Duration: January 2017 – current

Responsibilities:

- Teaching: (i) Plant Biology, (ii) Introduction to Soil, Crop and Climate Sciences
- Student supervision

2. North-West University

Position: Lecturer & Researcher
Duration: October 2015 – December 2016

Responsibilities:

- Teaching: (i) Introduction to Soil Science, (ii) Plant Nutrition & Fertilizers, (iii) Agronomy of Summer Crops
- Student supervision

3. **Agricultural Research Council (**
Position: Professional Development Graduate
Duration: January – October 2015

Responsibilities:

- a. Research trials: (i) Data Collection, (ii) Data Analysis, (iii) Report Writing

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

2017	The South African Society of Crop Production	Individual Member
------	---	-------------------

LIST OF PUBLICATIONS

1. **Dlamini JC**, Cardenas L, Tesfamariam EH, Dunn R, Hawkins J, Blackwell M, Evans J, Collins A. 2021. Soil methane (CH₄) fluxes in permanent pasture and riparian buffer strips with different vegetation. *Journal of Plant Nutrition and Soil Science*, 1-13, DOI: <https://doi.org/10.1002/jpln.202000473>
2. **Dlamini JC**, Chadwick D, Hawkins JMB, Martinez J, Scholesfield D, Ma Y, Cardenas LM. 2020. Evaluating the potential of different carbon sources to promote denitrification. *Journal of Agricultural Science* 158(3): 194-205. DOI: <https://doi.org/10.1017/S0021859620000520>

KEY SKILLS

- Statistical Analysis Software (SAS) • Genstat • Ecosystem Models (APSIM & ECOSSE)

RESEARCH GRANTS

- NRF Thuthuka PhD Track (2019-2021): Value (R1 500 000.00)
- British Council Researcher Links Travel Grant (2017): Value (£2000 ≈R40 000)
- DG. Haylett Bursary Trust: Value (R300 000)

REFERENCES

References: Dr. Eyob Tesfamariam
eyob.tesfamariam@up.ac.za

Dr. L. Cardenas
laura.cardenas@rothamsted.ac.uk

Prof. V. Mlambo
victor.mlambo@ump.ac.za

Dr. W. Tesfuuney
TesfuhuneyW@ufs.ac.za