


TUELO MOTLOBA

PERSONAL INFORMATION

Enthusiastic phytopathology graduate student eager to contribute to regional food security through innovative research that emphasizes sustainable and conservative approaches. Excited by leadership and community service. Motivated to excel in results-driven and interdisciplinary collaborations.

 Brooklyn, Pretoria, South Africa

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Sex Male | **Date of birth** 1999-12-23 | **Citizenship** South African

WORK EXPERIENCE

February 2022 – November 2022

Academic Peer Mentor

North West University

- Responsibilities included guiding freshmen in their transition to higher education studies in two areas, namely, academic support and social integration and adaptation. In addition, offering the same guidance to senior students in need of module-specific assistance within my subject area.

Brief description of organisation Centre of Teaching and Learning (CTL) of the North West University (NWU) supports academic staff and students by providing guidance, technology and expertise in making sure teaching and learning activities are delivered and supported in a way that benefits all stakeholders

Sustainable development goal (SDG) most closely related to the work I did at this position

4. Quality education

January 2023 - current

Assistant Laboratory Manager

University of Pretoria

- Responsibilities include quote requisition for laboratory general consumables as well as specific-project related materials; handling communications with suppliers; and laboratory items accounting.

Brief description of organisation The Wheatboard Greenhouse and laboratories conducts research done under the division of plant pathology with well-calibrated equipment and next generation molecular machines.

Sustainable development goal (SDG) most closely related to the work I did at this position

4. Quality education

EDUCATION AND TRAINING

January 2023 - current

Master of Science (Plant Pathology)

University of Pretoria, South Africa

- Research project: Investigation of the suppressive effects of cover crops against *Phytophthora nicotinae* in citrus orchards in South Africa

January 2019 – December 2022

Bachelor of Science in Agriculture (Agronomy and Horticulture)

North West University, South Africa

- Research project: Comparative analysis of efficacy of fungal bio-control agents on *Meloidogyne enterolobii* infestation on dry bean (*Phaseolus Vulgaris L.*)

January 2015 – November 2017

National Senior Certificate

Kele Combined School, Bojanala District

PUBLICATIONS

In press

Ramatsitsi MN, Ramachela K, Motloba T. 2023. Myco-ecological warfare with nematodes: fungal modes of action against root knot (*Meloidogyne* species) nematodes. Target journal: *Egyptian Journal of Biological Pest Control*.

Under progress

Ramatsitsi MN, Motloba T, Ramachela K, Fourie H. 2023. The efficacy of native fungal biocontrol agents

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against *Meloidogyne enterolobii* on dry bean (*Phaseolus vulgaris*) with and without organic matter incorporation. Target journal: *Journal of Plant Protection Research*.

NETWORK/CIVIL SOCIETY ENGAGEMENT

February 2023 – current

Plant Pathology Journal Club

- Member
- Duties include chairing meetings on a fortnightly basis

Brief description of network/civil society organisation This club reviews old and recent articles (research/reviews) related to the subject matter of the lab's current projects and outside the scope too. Established in the year 2023 as a gap was identified to create a platform where phytopathology scholars can engage and grow in the subject matter.

Brief description of one main achievement accomplished within the network/organisation
SDG most closely related to the work I did at this position 4. Quality education

July 2021 – November 2022

Green Campus Initiative (Residence Gardens Project)

- Project Leader
- Duties included the oversight of already established residence gardens as well as planned expansion to other residences within NWU Mafikeng campus. I offer technical advice to the project in terms of organising workshops on vegetable growing and team management to the 12 residence teams. In addition, I am involved in orienting freshmen to projects under this initiative

Brief description of network/civil society organisation The Green Campus Initiative (GCI) has several projects that are aimed at reducing the campus carbon footprint and that promote sustainable student lifestyles.

Brief description of one main achievement accomplished within the network/organisation The initiative was able to expand the residence garden project from 2 to 12 residences of the campus after a year of feasibility studies and planning for the project <https://news.nwu.ac.za/nwu-residences-go-green>

SDG most closely related to the work I did at this position 13. Climate action

February 2021 – November 2022

Kgosi Dick Montshioa Residence Garden

- Team Coordinator
- My role includes participant recruitment, team management and weekly activities coordination

Brief description of network/civil society organisation The residence garden was re-established in 2021 as a project that engages residents on sustainability, team work and community engagement.

The residence garden plants fruit and vegetable crops with the residents and residence staff as the beneficiaries. It promotes nutritious food choices by exposing the residents to various leafy greens and root vegetables.

Brief description of one main achievement accomplished within the network/organisation There was significant skills transfer during the year 2021 as reported from surveyed participants. A stunning 7 out of 10 student participants reported having gained essential vegetable gardening skills throughout the year and most importantly transferring the gained skills to their home towns where there is a greater chance of a gardening culture initiation in that area.

SDG most closely related to the work I did at this position 2. Zero hunger

February 2021 – December 2021

Golden Key International Honour Society

- Golden Hand (Volunteer)

Brief description of network/civil society organisation Golden Key International Honour Society (GKIHS) is the world's largest collegiate honour society for graduate and undergraduate students. The society is built on the pillars of academics, leadership, and service. Their chapters are committed to implementing service projects and leadership development for all students on their campus.

Brief description of one main achievement accomplished within the network/organisation The Alumni Relations office of the NWU Mafikeng campus chapter was able to initiate a tutoring programme for the School of Geo and Spatial Sciences. The office linked Geography graduates with undergraduate classes in critical need of tutors for the subject matter; as well as offer a training workshop for the graduate volunteers.

SDG most closely related to the work I did at this position 4. Quality education

ACHIEVEMENTS

March 2022

FameLab NWU

- Three-minute thesis competition
- 2nd Runner up

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February 2022

Google Maps Contributor

- Local guide level 6
- NWU newspaper article published <https://news.nwu.ac.za/putting-nwu-map>

November 2022

Student Leadership Award

- Kgosi Dick Montshioa Residence

PROFFESIONAL SOCIETY AFFILIATIONS

South African Council of Natural Scientific Professions (SACNASP) (Student Natural Scientist)

American Phytopathology Society (APS) (Student Membership)

South African Society for Plant Pathology (SASPP) (Student Membership)

REFERENCES

Mrs Charmaine Mohopo

North West University
Student Life Department: Arts & Culture Coordinator
Email number: 21980896@nwu.ac.za
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Professor Wes Gestring

North West University
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