

## **CURRICULUM VITAE**

### **PERSONAL INFORMATION**

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First name: Celestine Neba  
Surname: Suh  
Address: Sebele, Gaborone, Botswana  
Nationality: Cameroonian  
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### **RESEARCH INTEREST**

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- Remote Sensing
- Geographic information systems (GIS)
- Renewable energy
- Environmental protection,
- Land surface change
- Climate change
- Agricultural waste management.

### **EDUCATION**

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**Master of Science – Agricultural Engineering (Land Use Planning), completed February 2023**

*Botswana University of Agriculture and Natural Resources, Gaborone, Botswana*

CGPA – 4.56/5.00

**Bachelor of Science – Environmental Science**

**Awarded August 2011**

*University of Buea, Buea, Cameroon*

CGPA – 3.23/4.00

## RESEARCH EXPERIENCE

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**M.Sc. Thesis:** Effects of land cover land use change on soil organic carbon stock in the Greater Gaborone region of Botswana

- *Used remote sensing and geographic information system (GIS) applications, including ArcGIS, QGIS, and Catalyst Professional, to acquire and analyze satellite image data.*
- *Used the module for land use change evaluation (MOLUSCE) to project future land use scenarios in the greater Gaborone area.*
- *Conducted fieldwork to collect soil samples from various locations in Gaborone and its neighbouring settlements.*
- *Analyzed soil samples in a laboratory using standard procedures to assess their physical and chemical properties.*

**Supervisor:** Prof. Rejoice Tsheko

**B.Sc. Thesis:** An investigation of the current state of solid waste management practice in Molyko-Buea, South West Region, Cameroon.

- *Identify key stakeholders and participants involved in solid waste management practices in Molyko-Buea.*
- *Use a combination of quantitative and qualitative methods to collect data, such as surveys, interviews, observations, and document analysis.*
- *Analyze the collected data using appropriate statistical and qualitative methods.*

Supervisor: Dr. Yinda Sendze

## PROFESSIONAL EXPERIENCE

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2019 – 2021: **Assistant Program Manager** – Meg Wah (an NGO that specializes in Environmental Protection in Buea, Cameroon).

***Main Responsibilities:***

- *Participated in spatial data collection and analysis to support the organization's projects*
- *Conducted field visits to gather data and insights to inform project development and evaluation*
- *Provided support and assistance as needed to ensure successful project implementation*

- *Contributed to the development of project proposals and grant applications to secure funding from potential donors or sponsors*
- *Represented Meg Wah (My Earth) at conferences, meetings, and other events to promote its mission and goals, and build valuable relationships with stakeholders.*

2011 – 2013: **Intern and biodiversity conservationist Volunteer** – Resource Centre for Environment and Sustainable Development (an NGO that specializes in Biodiversity Conservation in Buea, Cameroon).

***Main responsibilities:***

- *Preparing and submitting grant requests to funding organizations to secure financial resources for our projects and programs*
- *Conducting field visits to collect data and gain insights that inform decision-making and project development*
- *Leading and coordinating annual tree-planting exercises in the South West region of Cameroon to promote reforestation efforts and environmental conservation.*

## **SCHOLARLY PUBLICATIONS**

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**Suh, C. N.,** Tsheko, R., Kayombo, B., & Moroke, S. T. (2023). Analysis of land cover land use change in the greater Gaborone area of South Eastern Botswana. *Acta Ecologica Sinica*.

<https://doi.org/10.1016/j.chnaes.2023.03.004>

**Suh, C. N.,** Tsheko, R., Kayombo, B. & Moroke, S. T. (2022). Variation of soil organic carbon across different land covers and land uses in the greater Gaborone region of Botswana. *World Journal of Advanced Engineering Technology and Sciences*, 07(02), 97–112.

<https://doi.org/10.30574/wjaets.2022.7.2.0115>

**Suh, C. N. &** Tsheko, R. (2023). Effects of land cover land use on soil organic carbon stock: Implications for soil health, carbon sequestration and ecosystem sustainability (Under review).

**Suh, C. N.,** Tsheko, R., Kayombo, B. & Moroke S.T. (2023). Prediction of Land Cover and Land Use Changes for the Greater Gaborone Area of Botswana (Under review).

## **PRESENTATION**

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**Suh, C. N. (2023).** Effects of land cover land use change on soil organic carbon stocks in the Greater Gaborone region of Botswana. Paper presented to the Department of Agricultural and Biosystems Engineering in partial fulfilment for the awards of Master of Science in Agricultural Engineering with a stream in Land Use Planning.

## **REFEREES**

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Prof. Rejoice Tsheko (main supervisor)

Senior Lecturer/Researcher

Botswana University of Agriculture and Natural Resources

P.O Box 0027 Private Bag, Gaborone, Botswana

Email: [rtsheko@buan.ac.bw](mailto:rtsheko@buan.ac.bw)

Prof. Benedict Kayombo (Co-supervisor)

Senior Lecturer/Researcher

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Mr. Ako Peter Agbor (former employer)

Chief Executive Officer at Meg Wah (My Earth)

Kewah Street, Bomaka – Buea, South West Region, Cameroon

Email: [founder@megwah.org](mailto:founder@megwah.org)

## **WORKSHOPS/CONFERENCES/WEBINARS**

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2023 – Applied remote sensing training (ARSET) program on connecting citizen science with remote sensing organized by NASA.

2022 – Statistical data analysis for post-graduate students and staff using R Programming language organized by Regional Universities Forum for Capacity Building in Agriculture at Makerere University Kampala, Uganda.

## **APPLICABLE SKILLS**

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### **Computer Skills**

- Good skills in ArcGIS, QGIS, and Catalyst Professional software
- Excellent mastery of MS Office Word, Excel, and PowerPoint
- Excellent mastery of Mendeley for referencing

### **Statistical skills**

- Data analysis ability with Excel and R language
- Basic programming skills with Anaconda

### **Other skills**

- People management and organizational skills
- Team building and staff management
- Good communication skills (oral and written) in English
- Basic communication skills (oral and written) in French

## **SCHOLARSHIPS AND AWARDS**

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### **Scholarship**

2021-2022 – European Union Funded Mobility of African Scholars for Transformative Engineering Training (MASTET) project.

### **Awards**

2023 – Excellence in Research under the International Young Scientist Awards by ScienceFather.

2023 – Excellence in Research under the International Research Awards on Sustainable Agriculture and Food Systems by ScienceFather

2010 and 2011 – Cameroon Presidential Excellence Award.

## REFERENCES

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**Prof. Rejoice Tshoko** (main supervisor), Senior Lecturer/Researcher, Botswana University of Agriculture and Natural Resources, P.O Box 0027 Private Bag, Gaborone, Botswana, Email: [rtsheko@buan.ac.bw](mailto:rtsheko@buan.ac.bw)

**Prof. Benedict Kayombo** (Co-supervisor), Senior Lecturer/Researcher, Botswana University of Agriculture and Natural Resources, P.O Box 0027 Private Bag, Gaborone, Botswana, Email: [bkayombo@buan.ac.bw](mailto:bkayombo@buan.ac.bw)

**Mr Ako Peter Agbor** (former employer), Chief Executive Officer at Meg Wah (My Earth), Kewah Street, Bomaka – Buea, South West Region, Cameroon, Email: [founder@megwah.org](mailto:founder@megwah.org)