

CURRICULUM VITAE

1. **Family name:** Sambo
2. **First names:** Doctor Calvin
3. **Nationality:** South African
4. **Country of Residence:** Republic of South Africa
5. **Contact details:** +27813916008

6. Education:

| Institution [Date from - Date to] | Qualification obtained: |
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| University of KwaZulu Natal [2017 – 2021] | PhD in Bioresources Systems |
| University of KwaZulu Natal [2012 – 2015] | MSc in Bioresources Systems |
| University of Venda [2007 – 2011] | BSc Agriculture (specialization in agricultural and rural engineering) |

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

| Language | Reading | Speaking | Writing |
|-----------------|----------------|-----------------|----------------|
| English | 5 | 5 | 5 |
| Tsonga | 3 | 5 | 3 |
| Zulu | 3 | 3 | 2 |
| Setswana | 2 | 5 | 3 |
| French | 2 | 1 | 1 |

8. Membership of professional bodies:

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| South African Council of Natural Scientific Professions [Professional Natural Scientist (Agricultural Sciences)– Reg No. 119865] |
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9. Specialisation : Agricultural Research for Development, Applied research, Geographical Information Systems (GIS) and Programme and Project Management.

10. Present position: Lecturer/ Researcher

11. Key Skills: Time management and organisation, tech-savvy, interpersonal, report writing, data collection, critical thinking, and critical analyses.

12. Specific experience:

| Country | Date from - Date to |
|----------------|----------------------------|
| South Africa | 2011 – to date |
| Botswana | 2011 - 2016 |

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|------------|-------------|
| Mozambique | 2011 - 2016 |
| Malawi | 2014 - 2016 |
| Zambia | 2014 - 2016 |
| Tanzania | 2014 - 2016 |
| Zimbabwe | 2011 - 2014 |

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

| Date from - to | Location | Organisation | Position | Description of Duties and achievements |
|----------------------|--------------|---|---------------------|---|
| 01/12/2016 - to date | South Africa | University of Venda (UNIVEN) – Department of Agricultural and Rural Engineering | Lecturer/Researcher | <ul style="list-style-type: none"> Ensured that programme taught complied with required academic and other standards by compiling lecture notes, study guides, blended teaching, and learning. Assessed students through tests / examinations. Supervised undergraduate and post-graduate students in the department and / school Participated in the coordination/implementation of internal and external funded research projects in the Department. Conducted research for the purpose of producing reports and research publication. Participated in mobilising of resources/income, e.g. research proposal writing and research publications Participated in University's outreach community engagement programmes. |

| Date from - to | Location | Organisation | Position | Description of Duties and achievements |
|-------------------------|----------|--|-------------------|---|
| | | | | <ul style="list-style-type: none"> Participated in the departments strategic planning. Assisted to coordinate programmes, develop the curriculum and establish linkages with other academic institutions, government, non-governmental organisations and community structures |
| 16/11/2014 – 16/11/2016 | Botswana | Centre for Coordination of Agricultural Research and Development in Southern Africa (CCARDESA) | Programme Officer | <ul style="list-style-type: none"> Ensured the full application and adherence of the research institutions in the Southern Africa assigned to CCARDESA funded project to the provision of the agreements they have signed with CCARDESA. Played a central role in project planning, implementation, monitoring and evaluation of CCARDESA projects/programmes. Prepared annual work plans, progress reports, closure reports, financial reports and budgets. Effectively documented and publicized project outputs, lessons learnt, and good practices. Conducted evidence-based analysis of proven agricultural technologies and promote their adoption in the region. Drafted policy recommendations and guidelines for adopting and disseminating proven agriculture technologies in the SADC region Provided technical backstopping (research, capacity development and outreach, monitoring and |

| Date from - to | Location | Organisation | Position | Description of Duties and achievements |
|-------------------------|--------------|---|-------------------|---|
| | | | | <p>evaluation) to the institutions implementing CCARDESA projects/programmes in the SADC region</p> <ul style="list-style-type: none"> • Participated in organising meetings, workshops and outreach initiatives. • Ensured effective liaison among partners and create synergies between project teams and key stakeholders. • Contributed in the development of project proposal for funding and implementation. • Lead the out-scaling of CCARDESA projects to other Southern Africa countries. • Supported the design and implementation of suitable institutional (manual and automated) monitoring and evaluation framework for the Secretariat normal operations and projects/programmes. • Assisted in determining different reports to be generated from the M&E systems, their respective frequency and the means of disseminating to stakeholders. • Any other duties assigned by the Executive Director and /or Manager Programmes and Grants. |
| 01/01/2011 - 01/09/2012 | South Africa | Agricultural Research Council – Institute of Agricultural Engineering (ARC-IAE) | Junior Researcher | <ul style="list-style-type: none"> • Participated in programme/project planning, implementation, monitoring and evaluation. • Participated in development of capacity building programmes. |

| Date from - to | Location | Organisation | Position | Description of Duties and achievements |
|-------------------------|--------------|---|-------------------|--|
| | | | | <ul style="list-style-type: none"> • Prepared detailed and summarized project progress reports, financial and budget. • Conducted research and data analysis as well as technology transfer in the identified projects. • Conducted policy analysis and provided recommendation for improvement of policies. • Organized and coordinated events such as training and consultative workshops, seminars and farmers' days. • Liaised with stakeholders/partners on project related matters • Contributed in marketing the research institute for income generation. • General management and administration of CGIAR Challenge Program for Water and Food Office. • Any other duties assigned by the Research Institute Manager. |
| 01/02/2011 – 31/08/2012 | South Africa | Agricultural Research Council – Institute of Agricultural Engineering (ARC-IAE) | Project Assistant | <ul style="list-style-type: none"> • Assisted Project Leader in planning, implementing and monitoring and evaluation of the Challenge Program for Water and Food (CPWF) • Conducted field research in the rural communities in the four Limpopo basin countries, • Assisted with communicating and coordinating of all partner |

| Date from - to | Location | Organisation | Position | Description of Duties and achievements |
|----------------|----------|--------------|----------|---|
| | | | | <p>organizations involved in CPWF project.</p> <ul style="list-style-type: none"> Assisted with compiling semestrial research and financial reports required by CPWF management. Produced technical progress reports. Assisted to organizing and coordinating events such as training and consultative workshops, seminars and farmers' days. Coordinated of travel arrangements of research members from partner organizations. General management and administration of CPWF Office. Any other duties assigned by the Research Institute Manager. |

14. Publications

Scientific Papers

1. **Sambo D C.** 2015. The identification of small-scale water infrastructure in Nebo Plateau, Limpopo Province, South Africa. University of Kwa-Zulu Natal, Pietermaritzburg, South Africa.
2. **Sambo D C.** 2015. Assessment of the condition and causes of failure for small-scale water infrastructure in Nebo Plateau, Limpopo Province, South Africa.
3. **Sambo DC.** 2015. Proposal for situation based best small-scale water infrastructure management practices in Nebo Plateau, Limpopo Province, South Africa. University of Kwa-Zulu Natal, Pietermaritzburg, South Africa.
4. **Sambo D C., Senzanje A and Dhavu K.** 2017. Using network analysis to analyse the complex interaction of factors causing the failure of small-scale water infrastructure (SWI) in the rural areas of South Africa. *WaterSA 44 (3)*.

5. **Sambo D C.**, Senzanje A and Mutanga O. 2021. Systems analysis - complex interactions of factors that influence the sustainability of access to improved water services in a rural municipality in South Africa. *Water Supply (Accepted for publication)*.
6. **Sambo D C.**, Senzanje A and Mutanga O. 2021. Assessing Geographical Inequalities in Sustainable Access to Improved Water Services Using Service Level Indicators in a Rural Municipality of South Africa. *WASHDev (Accepted for publication)*.

Policy Briefs

1. **Sambo D C.** 2015. Integrated Weed and Pest Management Practices is Key to Promoting the Wide Adoption of Conservation Agriculture in Southern Africa. Centre for Coordination for Agricultural Research and Development for Southern Africa, Gaborone, Botswana.
2. **Sambo D C.** 2015. Malabo Declaration: Turning the Key to Accelerate and Transform Agribusiness Development in Response to the Youth Unemployment Crisis in Southern Africa. Centre for Coordination for Agricultural Research and Development for Southern Africa, Gaborone, Botswana

Reports:

1. Seopa J., **Sambo D C**, Senzanje A., Dhavu K., Alemu B and Magaia E. 2012. *Synthesis of Previous Interventions small-scale water infrastructure in the Limpopo Basin*. CGIAR Challenge Program on Water and Food, Battaramulla, Sri Lanka.
2. **Sambo D C.** 2012. *Identification small-scale water infrastructure in Nebo Plateau, Limpopo province, South Africa: failures and successes* CGIAR Challenge Program on Water and Food, Battaramulla, Sri Lanka.
3. Senzanje A., **Sambo D C.**, Dhavu K and Selala M S. 2013. *Rehabilitation guideline framework for small-scale water infrastructure in the Limpopo Basin: focus on rural boreholes, stand pipes and windmills*. CGIAR Challenge Program on Water and Food, Battaramulla, Sri Lanka.
4. Senzanje A., **Sambo D C.**, Dhavu K and Selala MS. 2014. *Retrospective analysis of piloting of small-scale water infrastructure guidelines focusing on boreholes in Lambain (South Africa) and Insiza (Zimbabwe)*. CGIAR Challenge Program on Water and Food, Battaramulla, Sri Lanka.
5. **Sambo D C.** 2015. Evaluation and Selection of Centre of Excellence in the SADC region. Centre for Coordination for Agricultural Research and Development for Southern Africa, Gaborone, Botswana

Abstracts/Papers and Presentations:

1. **Sambo D C.** 2011. Performance assessment of Small-Scale water infrastructure in Nebo Plateau. ARC-IAE, Pretoria, South Africa. **[Presentation at International forum of Water and Food 3 held in Pretoria, South Africa]**
2. **Sambo D C,** TE Semalenga and A Senzanje. 2012. Performance assessment of Small-scale Water Infrastructure in Nebo Plateau. **[Presentation at the 12th WaterNet/WARFSA/GWP-SA Symposium held in Johannesburg, South Africa]**
3. **Sambo D C.** 2013. Small-scale water infrastructure in the Limpopo Basin: Status, types and water uses. **[Presentation at the High Level stakeholder science Limpopo Basin Development Challenge Science roll-out meeting held in Johannesburg, South Africa]**
4. **Sambo D C.,** Senzanje A and Mutanga O. 2020. Socio-economic and demographic factors as predictors of access to improved water services in rural municipality of South Africa. **[Presentation at the virtual Postgraduate Research Symposium]**

Radio interviews:

1. **Sambo D C.** 2011. Radio interview with **Munghana Lonene FM:** Issues related to climate change and how current scientific knowledge on water can help improve rural livelihoods in the Limpopo Basin.

15. Professional Referees

| Name: | Address: | Email: | Relationship |
|-------------------------------|---|---|---------------------|
| | Telephone: | Occupation, business title | |
| Dr. Aidan Senzanje | Pietermaritzburg, Kwa Zulu Natal, South Africa. +27825055061 | senzanjea@ukzn.ac.za Senior Lecture and programme coordinator | PhD Supervisor |
| Dr. Baitsi Podisi | Gaborone, Botswana. +26776232794 | bpodisi@yahoo.co.uk Programme Manager, CCARDESA | Line Manager |
| Dr. Gabriel Lekalakala | Cape Town, South Africa +06770847039 | Lekalakala@gmail.com Researcher – Land and Mineral Resources Parliament - RSA | Mentor |