

CURRICULUM VITAE

Qandelihle G. Simelane (PhD)



1. Contact Data

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2. Personal Data

SURNAME : Simelane
FIRST NAMES : Qandelihle Goodwill

IDENTITY NUMBER : 721108-6100043

DATE OF BIRTH : 8th November, 1972

SEX : Male

NATIONALITY : Swazi

CRIMINAL OFFENSES : None

STATE OF HEALTH : Excellent

3. Skills Profile

Qandelihle Simelane is a land and water resource scientist with an academic background in agricultural education, agricultural development policy and innovation expert with traceable experience in climate change, monitoring and evaluation, technology and innovation research, in conducting multicounty research, baseline surveys, organizational development/facilitating collaborations leading program/project evaluations (quantitative and qualitative) and capacity building initiatives in the agriculture sector.

Technical Skills

- Research: Climate Change, Agricultural, Social, and Educational Research; Experimental Design, Monitoring & Evaluation
- Data Modelling
- Policy Development & Analysis
- Strategic Planning & Project Management
- Surveys: Project Baseline Surveys, Mid Term Evaluations, End of Project Surveys & Socio-Economic Surveys
- Facilitation and Training

Teaching and Demonstrating

Demonstrator in various modules at Newcastle University (UK) over the duration of the PhD, providing supporting and running laboratory and field classes, assisting students with research projects as well as marking and grading students work for both Postgraduate and undergraduate modules. I also have previous high school teaching experience as well as University teaching experience at the University of Swaziland, 2003-2005

Communication

- Good communication, reporting and facilitation skills gained from presentation in consulting responsibilities, university seminars, teaching and lecturing. I have work experience, conducting informant interviews, managing focus group discussions and workshop facilitation and best practice formulation and dissemination for and to clients and stakeholders.
- Working on team projects during my course, as part and often leading the staff team.

Team worker

- A proven problem solver and team-player
- Post Graduate Strategy Committee Student Representative at the Newcastle University over the years 2006-2008 and also contributed to strategic decisions.
- More than 25 years' work experience, spent working with and in teams.

Problem solving

- Development of strong analytical and diagnostic skills throughout training in academia, which were tested and honed over the 25 years challenging work experience. I have been working with rural communities and subsistence agriculture development programmes in collaboration with government departments and non-governmental organisations as well.

Computing

- Good working knowledge of MS Office, incl. MS Word, PowerPoint, Excel spreadsheets, and the Internet. I am also proficient in using email and the internet as communication tools. I am proficient in the use of GIS, and the statistical analysis packages, Minitab and SPSS.

4. Key Achievements

Consultancy Projects:

- a. Consultancies for the Southern African Development Community (SADC)**
 - i. Country Water Energy Food Nexus Perspective Papers- Nexus Consultant
 - ii. Study on Local Indigenous Knowledge Systems (IKS) and its contribution to climate resilience of communities in the SADC region, national consultant
 - iii. Country Based Consultant Expert Consultant for SADC Regional Strategic Water Infrastructure Development Programme (RSWIDP), Water Infrastructure Development.
 - iv. Climate Change and Water Resources Management in SADC: A Summary Report. Consultancy for the Southern African Development Community (SADC).
 - v. Four Sector Study on the Status of Open and Distance Learning in Swaziland, with Dube, M. A.; Vilakati, N. T.; Mamba, T. and Dlamini, B.
- b. Consultancies for the Government of Swaziland and UN Agencies**
 - i. Baseline Assessment for Increasing Farmer Resilience to Climate Change – Upscaling Market Oriented Climate Smart Agriculture Project funded by COMESA and managed United Nations Development Programme (UNDP)
 - ii. Climate Change Adaptation Strategies and Innovation of Swazi Farmers: Final Report Submitted to the Bunda College, University of Malawi and Funded by START, USA. With M. A. Dube
 - iii. End of Project Evaluation: Reduction of Drought Vulnerability in Southern Swaziland. Consultancy for International Relief and Development. with Dr. M. A. Dube
 - iv. Evaluation of the Schools as Centres of Care and Support (Inqaba Schools), a UNICEF project sub-contracted by BIEF (Belgium) in 2014.
 - v. Development of a National implementation Framework for Food security in Swaziland Schools in 2013, project supported by NERCHA, Lead Consultant
 - vi. National Facilitator for the Education Sector 2011 HIV and AIDS Global Progress Survey commissioned by the UNAIDS Inter-Agency Task Team on Education (IATT)
- c. Consultancies for Policy Development and Analysis**
 - i. Political Economy Analysis of Energy and Water Sectors eSwatini Study funded by the USAID and implemented by Democracy Works Foundation, Principal Investigator
 - ii. Regional Consultant for the SADC Study on Local Indigenous Knowledge systems (IKS) and how they contribute to climate resilience of communities in the SADC region.
 - iii. Science, Technology and Innovation Policy Development for Swaziland: UNESCO funded project for the Ministry of Information, Communications and Technology, with M. D. Dlamini and M. M. A. Dube
 - iv. Strategic Planning and Team Building Workshop for the Educational Guidance and Testing Unit of the Ministry of Education: Jointly funded by UNESCO, UNICEF and the Ministry of Education and Training, collaboration with T. P. Mamba and B. Kanya

- d. Consultancies for World Vision Swaziland**
 - i. Mid Term Evaluation of the Gege and Shiselweni Area Development Programmes, Lead Consultant
 - ii. Community for Economic Development and Social Safety, Baseline Study covering Shiselweni and Lubombo regions: Lubulini, Mahlalini, Maseyisini, Matsanjeni and Shiselweni constituencies. Lead Consultant
 - iii. Mid Term Evaluations for the Sthobela Area Development Programme, Reporting Consultant
 - iv. Area Development Baseline Study Under Somntongo Area Development Programme (ADP). Consultancy for World Vision Swaziland. With Mr. R. M. Fakudze
 - v. Baseline Study under Macudvulwini/ Velezizweni Area Development Programme (ADP) on Commercial Vegetable Production Project (CVPP). Consultancy funded by World Vision Australia. With M. A. Dube
- e. Other Business Consultancy activities**
 - i. Feasibility Study for Investment in Vegetable, Crop and Animal Feed Production in Swaziland: Consultancy for the Swaziland Enterprise Development Company (SEDCO), Principal Investigator
 - ii. Business Consultancy at Botswana Horticultural Market, with Skhumbuzo Tsabedze
- f. Consultancies for the Family Life Association of Swaziland**
 - i. Development of FLAS Business Plan (2014-2020), with S. T. Mondlane and T. M. Dlamini
 - ii. Market Survey for Establishment of Maternity Wing, with S. T. Mondlane and T. M. Dlamini
 - iii. Mid Term Review of Family Life Association of Swaziland's Strategic Plan for 2010-2015, with S. T. Mondlane and T. M. Dlamini
- g. Educational, and Social Research Consultancy**

Social Research Consultancy

 - i. Baseline Study of the SACRO Harm Reduction Programme in Swaziland, funded by the ARASA to Fight AIDS and Tuberculosis commissioned by SACRO, Lead Consultant.
 - ii. Predicting Youth Criminal Behaviour and Delinquency in Swaziland: A Study of Swazi Youth enrolled with the Swaziland Correctional Services, collaboration with L. M. Malindzisa
 - iii. Evaluation of the HIV/ AIDS Information Center Sensitisation Workshops for Higher Education, Consultancy for National Emergency Response Council on HIV & AIDS (NERCHA) (2010), with T. Mamba

Educational Research Consultancy

- i. Strengthening Coordination Quality Assurance for the TVET Sub-Sector in the Ministry of education and Training in Swaziland commissioned by UNESCO and MoET, Lead Consultant
- ii. Evaluation of the process, impact and future strategies of the Swaziland Child Friendly School (CFS) Programme, Inqaba, National Consultant, collaboration with Bureau d'Ingenierie en education et en Formation
- iii. Examination of the nature of early childhood care and education in rural Swaziland: issues, quality of resources and service development activities. With Phumaphi Dlamini
- iv. An Assessment of the Situation of Adult Education and Recommendations for the Development of Literacy Policies. UNESCO funded project for the Ministry of Education and Training in collaboration with the Sebenta National Institute (August-September, 2011), Principal Investigator

5. Education

University Education

2005-2009 **PhD, Soil and Land Resource Sciences**

Newcastle University

2005-2009: PhD

Research: Temporal and Spatial Impacts of Termites on Local Soil and Vegetation Dynamics in a Semi Arid Savanna Ecosystem, which was part of an [‘Interdisciplinary study of Landscape and Environmental Change in Semi-Arid Landscapes of East & Southern Africa, with particular reference to the Laikipia Plateau’](#)

LEADERSHIP ROLES : Students’ Representative in the Postgraduate Research Strategy Committee, School of Agriculture, Food and Rural Development, Newcastle University, 2006-2008

1998- 1999 **Masters Degree**

Result: Credit pass

Research: A critical Assessment of the Predictive Value of Soil Maps for in-Farm Research in Eastern Uganda, which was part of an EU project on [Combining systematic and participatory approaches for developing and promoting strategies for sustainable land and water management.](#)

University of Swaziland

1994- 1996 **Bachelor of Science**, 2 (i) pass

1991- 1994 **Diploma in Agriculture**, Pass with Distinction

6. Work Experience

July 2020 to date: Bembani Group (pty) LTD

Climate Change Expert charged with the delivery of the GCCA+ Project in the SADC region. The project entails working with the Southern African Regional Universities Association; Centre for Coordination of Agricultural Research and Development in Southern Africa (CCADERSA); SADC Centre for Renewable Energy and Energy Efficiency (SACREE); Global Water Partnership Southern Africa (GWPSA) as well as the 16 SADC Member States on issues related to climate change in the region.

2010 to 2019: Research for Development Consultant

I was an independent consultant researcher with a focus on climate change, environment, water, energy and food security issues as well as the nexus. I serve the region (SADC), UN Agencies, the national government, state owned enterprises and NGOs providing expertise in research for development, M&E. I have worked as Development Research and Development Manager for GriNutri. GriNutri Swaziland is an agro-based company targeting organic production and seeks to develop environmentally sustainable production systems guided by IWRM principles. As Research and Development Manager, I have been responsible for laying out, monitoring and evaluation of research experiments; developing and implement best research practices and protocols, as well as analysis of data and reporting. This has helped foster cooperation with NGOs engaged in rural community live hoods and the Ministries of Agriculture, Natural Resources and Energy as well as the FAO.

2006-2010 Demonstrator/ Teaching Assistant at the Newcastle University, UK

The responsibility involves demonstrating to both undergraduate and masters degree classes in Micro Computing, Quantitative Techniques, Experimental Design and Data Analysis classes as well as Soils and Environment related modules listed under the heading 'Teaching and Demonstrating.'

- Helping students during computer and soil analysis laboratory sessions
- Managing and leading laboratory and field practical classes
- Evaluating student assignments and written reports.

2003- 2005 Lecturer at the University of Swaziland

The responsibility was to serve the Department of Land Use and Mechanisation as part time lecturer in place of a staff member who was on study leave. I helped students develop case studies for research; was involved in designing, managing and leading field practical classes beyond the regular responsibility of teaching and community service through consultancy work.

2003- 2005 Consultant/ Trainer (Part Time)

Consultant/ Trainer, International Development Center for Africa

The responsibility was to provide training to an adult audience on 'Soils and Land Use' as well as Natural Habitat Management, including development of training materials; delivery of training.

I was invited to join centre permanently, but I had awarded the PhD Scholarship

2000- 2005 Water Quality and Allocation Development

The responsibilities involved:

- Advisor to the water apportionment board and the Minister on water quality and allocation issues, at the Water Resources Division of the Ministry of Natural Resources & Energy.
- Responsible for the collection, updating and analysis of hydrology and hydro-meteorological data;
- Carried out water use projections under various scenarios for each water use sector;
- Development, testing and recommendation of suitable models for water use projections for the country, and
- Providing technical advice on water use and provide options for farmers on the best revenue crops per drop of water, based on the market value of water.

1996- 1998 Agriculture, Science and Mathematics Teacher (Full Time)

Agriculture, Science & Mathematics Teacher Manzini Central and Phonjwana High School

The responsibility was to transform underperforming Agriculture departments at each of the school, which accommodated girls and boys of ages 12 years to over 20 years. At Phonjwana High School, teaching responsibilities also included teaching Physics and Biology at GCE level, besides Agriculture. At Manzini Central High, teaching responsibilities involved Agriculture and GCE Physics

7. References

Kenneth M. Msibi (PhD)

Water Policy and Strategy Expert

Water Division

SADC Secretariat

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