

UNIVERSITY SENIOR OFFICERS

Chancellor:

Advocate DB Ntsebeza SC, (BA) (SA), BProc (SA), LLB (Unitra) (WSU), LLM (International Law) (UCT)

Chairperson of Council

Doctor S Makaula, BSc (iWU), BSc Hons(iWU), MSc (UCT), PhD (UCT)

Acting Vice-Chancellor and Principal:

Doctor N Taole-Mjimba, BSc Mathematics & Statistics (NUL), MLIS (UCT), PhD (Information Science) (UP)

Deputy Vice-Chancellor Teaching and Learning:

Professor M Matoane, B.A. (Ed) (Univ of Venda), BSc Hon (Medunsa) (Cum Laude), M.A. (Clinical Psychology)(Univ of Natal), D Litt et Phil (UNISA), Certificate of Advanced Studies in Online Teaching & Learning (Carl von Ossietzky University of Oldenburg)

Acting Deputy Vice-Chancellor Research, Partnerships and Innovation:

Professor N Roos, BA (Hons) (cum laude), MA (cum laude), (Natal), PhD (North West), HDE (Natal)

Registrar and Secretary to Senate and Council:

Mr N Zuma BPaed (Unizulu), BBibI (Hons) (UNIN), MIS (UMich)

Executive Director Infrastructure and Technology:

Ms. T. Ngxabani Pr Eng, BEng Civil Engineering (UP), MEng Civil Engineering (SU), MSc water Science and Engineering (Netherlands)

Executive Director People Management and Engagement:

Ms. DP Nene, BA Social Work (UNIZUL), PGDIBM (UKZN), MBA (USB)

Acting Dean, Faculty of Science and Agriculture:

Professor U.U. Nwodo, BSc Honours Microbiology & Biochemistry (UNN), MSc Medical Virology (UNN), PhD Microbiology (UFH)

Acting Dean, Faculty of Social Sciences and Humanities:

Professor I. Umejesi, BA (Hons) History (ABSU), MSc Industrial Sociology and Personnel Management (IMSU), PhD (Sociology), (UFH)

Dean, Faculty of Law:

Professor M Njotini, Cert. Labour Dispute Resolution Practice (SU), LLB (Vista University), LLM (UNISA), MBA (UJ), LLD (UNISA)

Dean, Faculty of Education:

Professor TM Makoelle, Certificate in Leadership (UJ), STD (Tshiya Co-Ed), FDE (UP), PGDE (UFS), BA (UNISA), BEd (NMU), MEd (UFS), DEd (UNISA), PhD (Manchester, UK)

Dean, Faculty of Management and Commerce:

Professor R Shambare, Ass. Sc. Bus. Admin. (Hons) (Reinhardt College), PGD Management (UZ), MTech OL (TUT), DTech Bus Admin (TUT)

Dean, Faculty of Health Sciences:

Professor L Cilliers, BSc Physiotherapy (SU), PG Dip HET (cum laude), BCom (Hons) (Information Systems), MCom (Information Systems), MEd (UFH) MPH (UWC), PhD Information Systems (UFH)

Interim Dean of Students:

Prof PB Monyai (Assc. Professor), BA (Administration) (Loyola University, USA), BA Honours (Development Studies) (UFH), Master of Policy Studies (Universities of Fort Hare and Zimbabwe), PhD (Social Science and Development Studies (UFH)

President of Convocation:

Mr A Pezisa, BSc, BSc (Hons), MSc (Cum Laude) (UFH)

ORDER OF PROCEEDINGS

Faculty of Science & Agriculture Morning Session

Wednesday, 6 May 2026 | 08h00

- The Chancellor constitutes the congregation for
Conferring of Degrees and Awarding of Diplomas:
Chancellor, Advocate DB Ntsebeza SC
- Welcome address:
Acting Vice-Chancellor, Doctor N Taole-Mjimba
- Conferring of Degrees and awarding of Diplomas:
Chancellor, Advocate DB Ntsebeza SC
- Presentation of qualifications to the Chancellor:
Professor U Nwodo, Acting Dean, Faculty of Science and Agriculture
- Dissolution of the congregation:
Chancellor, Advocate DB Ntsebeza SC



DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN BIOCHEMISTRY

NTLOKWANA Sitha Emmanuel

PROFILE

Dr Sitha Emmanuel Ntlokwana commenced his academic journey at the University of Fort Hare as an undergraduate student in 2013. He progressed through the ranks within the Department of Biochemistry and Molecular Biology, completing his Honours and Master's degrees in Biochemistry before embarking on his doctoral studies in 2021.

His doctoral research makes a significant contribution to molecular biology, genomics, and marine biochemistry, addressing a crucial gap in genomic understanding of marine macroalgae. Red algae play vital ecological and economic roles in marine ecosystems; however, genomic resources for many species remain limited.

In his doctoral study, Dr Ntlokwana undertook the complex task of generating and analysing genomic data for *Gelidium pristoides*, an ecologically important red alga found along the South African coastline. Employing advanced sequencing technologies and sophisticated bioinformatic methods, he successfully assembled and annotated the mitochondrial, plastid, and nuclear genomes of this organism.

This research provides one of the most comprehensive genomic resources available for *Gelidium pristoides* and establishes a valuable foundation for future investigations in algal biology, evolutionary genomics, and marine biotechnology. Moreover, Dr Ntlokwana extended his work through detailed *in silico* analyses of heat-shock proteins and cell-wall-associated genes, which are vital molecular components involved in environmental stress responses and cellular integrity.

By generating genomic knowledge for a locally harvested South African marine species, this research strengthens regional scientific capacity and supports future advancements in marine science and biotechnology in the Eastern Cape.

NTLOKWANA Sitha Emmanuel

TITLE OF THESIS: Sequencing, assembly and annotation of the Mitochondrial, Plastid and Nuclear Genomes of the Red Alga, *Gelidium pristoides*, harvested at Kenton-on Sea, Eastern Cape Coastline, South Africa, and *in silico* characterization of Heat-Shock and Cell-Wall-Associated genes identified in the Genomes.

SUPERVISOR: Professor G Bradley

CO-SUPERVISOR: JH Bothwell

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN BOTANY

GOGÉ Siphó Patrick

PROFILE

Siphó Gogé's doctoral study investigated the effects of geographic variation on the phytochemical composition, antimicrobial activity, and cytotoxicity of *Aloe ferox* Mill., a widely used medicinal plant indigenous to South Africa. Leaf samples were collected from natural populations in three ecologically distinct provinces, KwaZulu-Natal, Eastern Cape, and Free State, to determine whether differences in climate and environment influence the plant's therapeutic properties and safety.

Phytochemical screening revealed that *Aloe* contains a rich and relatively consistent range of bioactive compounds across all provinces, including alkaloids, flavonoids, phenols, glycosides, saponins, sterols, terpenoids, carbohydrates, and fixed oils and fats. However, biological assays showed notable regional variation in activity. The ethanol extracts exhibited the strongest antibacterial and antifungal effects. Extracts from KwaZulu-Natal showed the highest overall antimicrobial efficacy. Cytotoxicity assessment indicated that all extracts were of low toxicity and therefore relatively safe at the tested concentrations, with Free State samples showing the lowest LC_{50} values while remaining non-lethal.

The study conducted by Siphó Gogé provides scientific validation for the traditional use of *Aloe* by rural communities, supporting safer, evidence-based application of indigenous medicines. By demonstrating that biological activity varies by region, the research helps reduce risks associated with inconsistent dosing and misuse. The findings also inform sustainable harvesting, quality control, and value addition, thereby supporting livelihoods, conservation, and responsible commercialisation of *A. ferox*. The doctoral research resulted in three peer-reviewed journal publications, contributing original scientific knowledge on the phytochemistry, ethnomedicinal relevance, and antimicrobial potential of *A. ferox*.

GOGÉ Siphó Patrick

TITLE OF THESIS: Effects of geographic variations on biological activity and chemical profile of *Aloe ferox* from KwaZulu-Natal, Eastern Cape and Free State provinces of South Africa.

SUPERVISOR: Associate Professor LV Buwa-Komoreng

CO-SUPERVISORS: Professor RM Coopooosamy

Professor LA Adeniran

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE

NOMNGA Phumzile

PROFILE

Today, we are celebrating a remarkable accomplishment by Mr Phumzile Nomnga, who has made a groundbreaking discovery in smart home technology through his innovative research. Mr Nomnga's PhD thesis, titled "The Development of a Location-Independent User Adaptation Framework for Smart Homes," focuses on a critical challenge in ubiquitous computing, which is to allow for smooth user adaptation while moving from place to place in a variety of smart home environments. His groundbreaking research has resulted to a new framework that eliminates location contexts using ontologies, machine learning, and IoT technologies, which enables the prediction of user preferences while adapting to a variety of heterogeneous environments. This new framework has opened a new window in the development of smart homes, which will allow for a new level of intelligence, responsiveness, and personalisation in smart homes, while supporting user mobility. Mr Nomnga's work is a significant milestone in achieving ubiquitous computing, which will enable smart, autonomous, and adaptable environments to respond intuitively to their users. Through his dedication, expertise, and vision, he has laid a strong foundation for future innovations in smart home technology, which will have a significant impact in the field of Computer Science, particularly in Smart Systems. Mr Nomnga's research has resulted to a significant scholarly accomplishment, with one journal article already published in a journal, while another manuscript is under review in a prestigious journal.

NOMNGA Phumzile

TITLE OF THESIS: The Development of a location-independent user adaptation framework for smart homes.

SUPERVISOR: Professor K Sibanda

CO-SUPERVISOR: Doctor C Gurajena

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN GEOGRAPHY

EKUNDAYO Olapeju Yewande

PROFILE

Ekundayo's doctoral research addresses the intensifying occurrence of climate change-induced drought in the Western Cape Province of South Africa. Her study is distinguished by the innovative integration of satellite observations, reanalysis climate data, and meteorological records to investigate drought dynamics over a twenty-year period. Employing seven established drought indices-spanning precipitation-based, temperature-based, soil moisture-based, evapotranspiration-based, and vegetation-based approaches; she provides a comprehensive spatiotemporal assessment of climate variability, drought severity, and extent across the region.

Her findings revealed pronounced spatial heterogeneity in climatological anomalies, with positive precipitation anomalies in the south and negative precipitation anomalies in the north, soil moisture anomalies following a similar spatial distribution and declining values after 2017. Vegetation indices indicated deteriorating plant health, while land surface temperature anomalies demonstrated a consistent warming trend, peaking in 2020. By demonstrating the complementary strengths of multiple drought indices, she establishes a robust multi-index framework for enhanced drought monitoring, early warning, water-resource management and climate adaptation. Extending beyond the regional scale, her work scientifically mapped global drought research trajectories over more than 150 years (1861-2019), highlighting drought resilience, adaptation, and the transformative role of geospatial technologies.

This research represents a significant and original contribution to climate science, environmental sustainability, and policy-relevant decision-making, supported by funding from DSI_NRF-TWAS. Several manuscripts were generated from the thesis; two have been published, one has been accepted as a book chapter, and one is under review in a DHET-accredited peer-reviewed journal, while the others are in preparatory stages for journal submission.

EKUNDAYO Olapeju Yewande

TITLE OF THESIS: Climate Change and Drought Monitoring Using Remote Sensing and Meteorological Indices: A Case Study of Western Cape Province.

SUPERVISOR: Professor AM Kalumba

CO-SUPERVISOR: Professor BJ Abiodun

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN GEOGRAPHY

MAPUKA Fortunate Nomsa

PROFILE

Fortunate Nomsa Mapuka holds a Bachelor of Science Honours degree and a Master of Science in Geography from the University of Fort Hare. She is an emerging scholar whose work is defined by a strong commitment to understanding the dynamic relationships between environmental systems and human livelihoods, particularly in vulnerable, resource-constrained contexts.

Fortunate's doctoral research examined water supply availability and climate change adaptation in drought-prone communities, with a particular emphasis on locally grounded solutions and the co-production of knowledge between researchers and communities. This work reflects her broader research ethos: integrating scientific inquiry with lived experience to generate practical, context-sensitive responses to environmental challenges. Fortunate's scholarship contributes not only to academic debates in geography and environmental studies but also to policy-relevant discussions on resilience and adaptation.

Her research has gained international recognition, reflected in a growing number of citations and engagement within the global scholarly community. Beyond her academic contributions, she is actively involved in community outreach initiatives that promote environmental awareness and encourage youth participation in sustainable practices. She is deeply committed to fostering inclusive, impactful change and to bridging the divide between research, policy, and practice.

MAPUKA Fortunate Nomsa

TITLE OF THESIS: Framing water supply availability and adaptation measures in drought-affected areas of Mbhashe and Mnquma in the Amathole District Municipality, Eastern Cape, South Africa.

SUPERVISOR: Professor W Nel

CO-SUPERVISOR: Professor AM Kalumba

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN GEOGRAPHY

SIBANDZE Phila Clive

PROFILE

Phila Sibandze's doctoral research addresses a critical challenge in climate-related disaster risk science through an advanced assessment of flood risk in a highly vulnerable Port St Johns coastal area in the Eastern Cape Province, South Africa. Moving beyond the limitations of conventional flood risk studies, which often rely on static modelling and limited data integration. Consequently, the study adopts an innovative geospatial intelligence framework that integrates geospatial analysis, meteorological data, and deep learning techniques. Using high-resolution spatial and climate datasets, the research evaluates flood susceptibility and risk dynamics in the Port St Johns coastal area.

This work makes a significant contribution to hybrid methodological and multiple data integration to advancing geospatial science, disaster risk reduction, climate adaptation planning, spatial decision-making, and evidence-based policy formulation. The quality and scholarly precision of the research are reflected in its academic outputs, with two papers published in DHET-accredited journals and two additional manuscripts currently under review in peer-reviewed journals.

TITLE OF THESIS: Geospatial and Meteorological Assessment of Flood Risk in Port St Johns Coastal Area, Eastern Cape, South Africa.

SUPERVISOR: Professor AM Kalumba

CO-SUPERVISOR: Doctor L Zhou

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN PHYSICS

ONAH Emeka Harrison

PROFILE

The research studied and developed europium-doped strontium silicate ($\text{Sr}_2\text{SiO}_4:\text{Eu}^{3+}$) phosphor materials to enhance the performance of dye-sensitized solar cells (DSSCs). DSSCs, as third-generation photovoltaic devices, offer advantages such as low cost, flexibility, and effective operation under low-light conditions. However, their efficiency is limited by poor ultraviolet (UV) light absorption and spectral mismatch with conventional dye sensitizers like N719. To address these challenges, this study explores luminescent down-shifting phosphors capable of converting high-energy UV photons into visible wavelengths more effectively utilized by DSSCs.

$\text{Sr}_2\text{SiO}_4:\text{Eu}^{3+}$ phosphors were synthesized using a conventional solid-state reaction method at different annealing temperatures (550 °C and 650 °C). Comprehensive characterization techniques including X-ray diffraction (XRD), scanning electron microscopy (SEM), energy-dispersive spectroscopy (EDS), Raman spectroscopy, UV-Vis spectroscopy, and photoluminescence (PL), were applied for analysis. PL spectra showed sharp emission lines, with prominent peaks around 610 nm attributed to Eu^{3+} transitions. When integrated into DSSC architectures, the phosphor materials significantly improved photovoltaic performance. Notably, power conversion efficiency increased by 26.6% and 32.1% for samples annealed at 550 °C and 650 °C, respectively. These improvements were attributed to spectral down-shifting mechanism of the phosphor materials and efficient energy transfer processes from luminescent donor materials to N719 dye sensitizer. The research work has thus far been presented in two local conferences and has resulted in three articles in DHET-accredited journals. Furthermore, two manuscripts have been prepared and are scheduled for submission to peer-reviewed journals in 2026.

ONAH Emeka Harrison

TITLE OF THESIS: Development of $\text{Sr}_2\text{SiO}_4:\text{Eu}^{3+}$ Phosphor Materials for Improving the Performance of Dye-Sensitized Solar Cells.

SUPERVISOR: Doctor NL Lethole

CO-SUPERVISOR: Professor M Maaza

MASTER'S DEGREES

MASTER OF SCIENCE IN APPLIED REMOTE SENSING AND GIS

CUM LAUDE

MADULINI Phiwokuhle

DISSERTATION TITLE: Detection and Monitoring of Landslide Using Remote Sensing Data and Machine Learning within Cloud-based Platform in eThekweni Metropolitan Municipality of KwaZulu Natal Province, South Africa.

SUPERVISOR: Doctor KH Thamaga

MASTER OF SCIENCE IN APPLIED STATISTICS

DLEMBULA Lwando

DISSERTATION TITLE: Finite Sample Performance of the Robust Stein Estimator in the Presence of Multicollinearity and Outliers.

SUPERVISOR: Doctor C.S Marange

PITSHA Phelo

DISSERTATION TITLE: A Comparison of the Robust Zero-Inflated and Hurdle Models with an Application to Maternal Mortality.

SUPERVISOR: Mr RT Chiruka

CO-SUPERVISOR: Doctor CS Marange
Doctor M Mutambayi

MASTER'S DEGREES

MASTER OF SCIENCE IN BIOSTATISTICS

CHOPHELA Kayakazi

DISSERTATION TITLE: On the finite-sample performance of the improved non-parametric penalized likelihood method for interval-censored data.

SUPERVISOR: Doctor CS Marange

CO-SUPERVISOR: Doctor AS Odeyemi

MANUNGO Kumbirai Kimpton

DISSERTATION TITLE: Fuzzy Modelling of the Survival Function from Interval Censored Data.

SUPERVISOR: Doctor CS Marange

CO-SUPERVISOR: Doctor O Ndiweni

MASTER'S DEGREES

MASTER OF SCIENCE IN CHEMISTRY

CUM LAUDE

JAKALASE Sindisiwe

DISSERTATION TITLE: Computation and fabrication of adduct-assisted quantum dot-sensitized solar cells.

SUPERVISOR: Doctor A Nqombolo

CO-SUPERVISOR: Professor EL Meyer
Doctor AM Mojeed

LANGA Bethuel Sepena Karabo

DISSERTATION TITLE: Development of a sustainable recovery process and characterization of ionomer membrane.

SUPERVISOR: Doctor A Nqombolo

CO-SUPERVISOR: Professor EL Meyer
Doctor AM Mojeed
Doctor N Rono

MVOKWE Sinikiwe Abrosia

DISSERTATION TITLE: Evaluation of hydrometallurgical process for the recovery of catalysts from MEAs.

SUPERVISOR: Professor OO Oyediji

CO-SUPERVISOR: Professor EL Meyer
Doctor MA Agoro
Doctor N Rono

SOTONDOSHE Namhla

DISSERTATION TITLE: Synthesis, structural and photocatalytic studies of nickel sulfide and palladium sulfide nanoparticles from nickel(II) and palladium(II) dithiocarbamate complexes.

SUPERVISOR: Doctor AM Paca

CO-SUPERVISOR: Professor BA Aderibigbe

VULINDLELA Inam

DISSERTATION TITLE: Simulation and fabrication of bifacial quantum dot sensitized solar cells

SUPERVISOR: Doctor AM Paca

CO-SUPERVISOR: Professor EL Meyer
Doctor MA Agoro
Doctor N Rono

MASTER'S DEGREES

MASTER OF SCIENCE IN CHEMISTRY

MAGAMA Nolufefe

DISSERTATION TITLE: Synthesis, characterization and evaluation of the electrochemical performance of some ternary platinum-based catalysts for direct methanol fuel cells.

SUPERVISOR: Professor OO Okoh

CO-SUPERVISOR: Doctor MO Ojemaye
Mr NC Manene

MASTER OF SCIENCE IN COMPUTER SCIENCE

CUM LAUDE

JOYI Phathuvuyo

DISSERTATION TITLE: Development of an architecture to detect DDoS attacks in end-to-end Network Slicing on 5G Networks.

SUPERVISOR: Doctor C. Gurajena

CO-SUPERVISOR: Doctor M Masonta

MASTER'S DEGREES

MASTER OF SCIENCE IN COMPUTER SCIENCE

MANTIYANE Vuyolwethu Sunday

DISSERTATION TITLE: Automated Inference of Audio Data into Voice Activated Systems Using Machine Learning Techniques.

SUPERVISOR: Mr. P. Nomnga

MYENDEKI Zandile

DISSERTATION TITLE: Integrating Deep Learning Techniques for Pattern Recognition, Market Forecasting, and Dynamic Risk Management in a Cryptocurrency Trading System.

SUPERVISOR: Doctor C Gurajena

NOHASHE Kamvelihle

DISSERTATION TITLE: Improving Performance of South African Healthcare Systems with Service Oriented Architecture (SOA).

SUPERVISOR: Mr S Ngwenya

CO-SUPERVISOR: Doctor W Vambe

SANA Mincili

DISSERTATION TITLE: Enhancing Speech Synthesis in South African English for Accurate Pronunciation of African Names.

SUPERVISOR: Mr S Ngwenya

CO-SUPERVISOR: Professor K Sibanda

WANGA Zukisa

DISSERTATION TITLE: An investigation into real-time Object Detection models for enhancement of “reliability” and “resilience” in e-Post Office Management System.

SUPERVISOR: Mr P Nomnga

XEGO Siphosethu

DISSERTATION TITLE: Privacy-Preservation in the presence of Web Tracking and Fingerprinting.

SUPERVISOR: Doctor C Gurajena

MASTER'S DEGREES

MASTER OF SCIENCE IN GEOGRAPHY

MAJAHANA John Moyo

DISSERTATION TITLE: Water Resource Governance and Climate Change Adaptation Policy Dynamics in Raymond Mhlaba and Ngqushwa Local Municipalities: Amathole District Municipality, South Africa.

SUPERVISOR: Doctor SP Mazinyo
Doctor L Zhou

CO-SUPERVISOR: Professor AM Kalumba

MASTER OF SCIENCE IN GEOLOGY

NYAMAMBI Afika Monica

DISSERTATION TITLE: Stratigraphy and sedimentology of the Cretaceous sediments in the Gqeberha and Jeffrey's Bay areas, South Africa.

SUPERVISOR: Professor K Liu

CO-SUPERVISOR: Professor O Gwavava

ZIBUTHE Nwabisa

DISSERTATION TITLE: Geochemical and Mineralogical Characterisation of Manganese Oxide Ores from North-West Manganese Deposit: Insights into Ore Mineralogy and Concentration of Associated Critical Metals.

SUPERVISOR: Doctor B Pharoe

MASTER'S DEGREES

MASTER OF SCIENCE IN MATHEMATICS

CUM LAUDE

FUNANI Sinetemba

DISSERTATION TITLE: On Combinatorial properties
of some special polynomials.

SUPERVISOR: Doctor O Ndiweni

CO-SUPERVISOR: Doctor S Nkonkobe

MASTER OF SCIENCE IN MATHEMATICS

SIBANDA Privilege Ellen

DISSERTATION TITLE: A Study of Some Generalised
Polynomials Related to Geometric Polynomials.

SUPERVISOR: Doctor O Ndiweni

CO-SUPERVISOR: Doctor S Nkonkobe

MASTER OF SCIENCE IN ZOOLOGY

MOTAUNG Thabang Godfrey

DISSERTATION TITLE: Predation experiences
and perceptions of communal sheep farmers in the
Nyandeni and Mhlonto local municipalities, Eastern
Cape, South Africa.

SUPERVISOR: Associate Professor C Tambling

CO-SUPERVISOR: Ms K Jama



POSTGRADUATE DEGREES

BACHELOR OF SCIENCE HONOURS IN APPLIED MATHEMATICS

MTALANA Qhayiya
SIKHONTYI Liko

BACHELOR OF SCIENCE HONOURS IN APPLIED REMOTE SENSING & GIS

BHELEM Yomelelani
GCELU Sinelise
JONGILANGA Lungakazi
MAKHABA Qalavela Joyce
NGEYANE Zama
NTLOKWANA Zikisa
OTTO Gontse Brooklyn
RORO Yambesa

BACHELOR OF SCIENCE HONOURS IN APPLIED STATISTICS

MAGIDA Angesisa
MAGQAZA Xolani
MANJINGOLO Nelly
MAZITSHANA Cwenga
MZENZI Andisiwe

POSTGRADUATE DEGREES

BACHELOR OF SCIENCE HONOURS IN BIOCHEMISTRY

KLAAS Ogiyonke Gugulabathembu
MAYIKWE Oluhle
MFAZWE Liyema
MNCUBE Mlondolozu Magnificent
MNDAYI Likhona
MPISANA Sinalo
NDODA Ndiphiwe

POLO Sikhonathi Mbali
RULULU Siphosethu
SENYATSI Khukhwane Emelia
TABAYI Oluhle
TOBO Thozama
XHAYIMPI Bongisa

BACHELOR OF SCIENCE HONOURS IN BOTANY

MASHIYA Sesethu
MGWEBI Simamkele
MOYANA Sixolisile
NGOYO Anelisiwe

NGUDLE Azola
NONKOSANA Yanga
PHUPHU Amanda
TENTU Esethu

BACHELOR OF SCIENCE HONOURS IN CHEMISTRY

CUM LAUDE

ALAM Bulelani
MBANDEZI Snesipho
MONA Ntombibandla Khanya
NDZOYIYA Sindisiwe
PAKAMILE Linamandla

POSTGRADUATE DEGREES

BACHELOR OF SCIENCE HONOURS IN CHEMISTRY

BONANI Likhona Liyabona
DIYA Amahle
DLAMINI Akhona
GEORGE Busisiwe
HLWELE Mveliso Ester
MABOZA Athenkosi

MADLEBE Yandisa
MPHATHISWA Yambesa
MTENGWANE Thandokazi Sweetness
NONKONYANA Ikho
TOTO Andiswa

BACHELOR OF SCIENCE HONOURS IN COMPUTER SCIENCE

DAYILE Zimkhitha
GEGELEZA Yonela
GQOTILE Likhona
LUNGU Sinokhanyo Ronaldo
MAKOBONGO Asemahle
MKATSHANE Sinoyolo

NODWENGU Nonelwa
NTANJANA Boneka
SEPTEMBER Anelisiwe Khanyisa
SIZANI Lulutho

BACHELOR OF SCIENCE HONOURS IN ENTOMOLOGY

FADANA Snobom
MNGUNI Sanelisiwe Ayanda
SINQADU Babalwa

POSTGRADUATE DEGREES

BACHELOR OF SCIENCE HONOURS IN GEOGRAPHY

GIWU Zikisa
MADOLO Tumelo
MASABALALA Siphokazi
MELENI Yonwaba Suzan
MPUKWANA Gcobisa

NGOGODO Sesethu
NKWENKWE Afikile
NOGAGA Siwaphiwe
NONKULA Sinegugu

BACHELOR OF SCIENCE HONOURS IN GEOLOGY

KLAAS Ayanda
NGQINAMBI Zizipho

VETYA Okuhle

BACHELOR OF SCIENCE HONOURS IN MATHEMATICS

CUM LAUDE

SIPANI Spokuhle

BACHELOR OF SCIENCE HONOURS IN MATHEMATICS

MADIKIZELA Banele
MALEFANE Rachel Nthati
MALEFANE Ragele Nthatisi

MNCWABE Aphiwe
NCOYI Buhle
POKWANA Siphahle

POSTGRADUATE DEGREES

BACHELOR OF SCIENCE HONOURS IN MICROBIOLOGY

CUM LAUDE

MBAMBI Nasiphi
MLENZANA Aviwe
MLOBOTHI Nomfuneko

NDLELA Sinazo
NDZANYA Chumisa
NGQAIMBANA Mkhanyisi

BACHELOR OF SCIENCE HONOURS IN MICROBIOLOGY

DIKO Aphindile
MAKAMBA Ovayo
MALATSI Lethabo
MANYA Lisakhanya
MDANELWA Ongeziwe

MGIJIMA Asisipho Pilile
MZIMELI Zitha Rose
NDZELU Sinovuyo
PHAKOPHI Lihle
ZINTO Liyema

BACHELOR OF SCIENCE HONOURS IN PHYSICS

CUM LAUDE

MFAMANA Ntsika

POSTGRADUATE DEGREES

BACHELOR OF SCIENCE HONOURS IN PHYSICS

MADILOYI Chuma
MADLEBE Inathi
NTALO Ndivuyise
ZENANI Nkosikhona

BACHELOR OF SCIENCE HONOURS IN ZOOLOGY

CUM LAUDE

NGATIANE Tatenda

BACHELOR OF SCIENCE HONOURS IN ZOOLOGY

MASELANA Ophola
MJIKWA Sbahle
MPONDO Masivuye
SEM Noxolo Asiphe
SIBIYA Sam Nkosinathi
SKELEMANI Owam

BACHELOR'S DEGREES

BACHELOR OF SCIENCE

CUM LAUDE

GADU Lisakhanya
GARIDZIRA Tinashe Crispin
KHABO Ignatia
MATHONTSI Sinovuyo
MKULI Sipumeze
MNDIYATA Thalente

NDLOVU Unathi
NOGUDA Zusakhe
NTLEKI Kwanele
THOMOLI Rolivhuwa
TSHANGELA Yonelisa

BACHELOR OF SCIENCE

ADETIBA Eniibukun Jesutofunmi
APHANE Matsemela
BADI Achumile
BADIWE Anelisa
BHONGO Lonwabo
BIKA Ongama
BILANKULU Mixo Millicent
BLAYI Mziseli
BOLOSHA Asive
BONGA Ongeziwe
BOTH A Sbulele
BOYAMA Deirdre
BUSHULA Lutho
CWELE Simamkelo
DALASILE Amahle
DIKO Bathande

DIKO Mhlali Litha
DIKO Sinentlahla
DIMANE Mthobiseni
DINGILIZWE Siyanda
DLAMINI Zonke
DODA Zusiphe
DORO Liliitha
DUMA Nosithembiso
DUNTSULA Siviwe Sifikile
DYANTYI Mihle Mhlali
GCANGA Zubenathi
GIGABA Aphilile
GOBILE Siphenathi
GODLOZA Azile
GULE Mpho
GUSHA Lelethu

BACHELOR'S DEGREES

BACHELOR OF SCIENCE

GWAYISE Avela
HERMANUS Mava
HLALUKANA Sinethemba Jabu
HLANGABEZO Thandiwe Wandipha
HLANGANE Asive
HLONGWA Bonolo
JEBE Zandile
JOYI Sinazo
JULWA Liyema
KADI Onthatile Cynthia
KAPTAIN Anele
KATYWA Aphelele
KEPEYI Liyema
KHIWA Onke
KHOHLISO Bukho
KHUMALO Phindile Thembaletu Claudia
KOKO Lungakazi
KOLOSA Unam
KONI Liyema
KUTUKA Kuhle
LIQHWA Mduduzi
LOBOTI Sisiphiwe
LUBENGWANA Asiphe
LUBHELWANA Sesethu
LUDZIYA Thinasanda
LUKHULELO Elethu
LUVALO Luxolo
MA-AWU Azola
MABASA Precious Ayanda

MADLALISA Esona
MADLEBETSHA Esenkosi
MADUNA Mlungiseleli
MAGAQA Khanyisa
MAGQATSHELA Akhanyile
MAHLANGU Ayanda
MAKASI Thabo
MAMPANE Cathrene Jabulile
MANDLA Emihle Anela
MANKOE Morwaswi
MANTYI Pumlani
MANYIKA Aphiwe
MANZINI Asavela
MAQHINGA Veliswa Yonela
MASEKO Blessing Jerome
MASELENI Yolatha
MASUKU Mthabisi Prosper
MATHANGANA Minikazi
MAXAULANA Lukanyo
MAYEKISO Zingiswa
MBANA Lunga Kamva
MBEBE Nonceba
MBEDLA Skumbuzo
MBELE Zimkhitha
MBOBO Lindokuhle
MBOPHANE Usivile Mphatso
MDEMKA Khanya Azola
MDIBANISO Luvo Alex
MELAPI Alizwa

BACHELOR'S DEGREES

BACHELOR OF SCIENCE

MENON Mikhail
MFINJWA Siseko
MFUKO Sesona
MGELI Unam
MGXEKWA Zubenathi
MGXEKWANA Enathi
MHLANA Simamkele
MIYA Thembani
MJELO Ezile
MKATSITSI Elona
MKAZA Unathi Almon
MKULISI Zukisa
MKUZO Kungawo
MLAMBI Ndabentle Lithalethu
MLAMBO Thibaza
MMANGWENI Amahle
MNANI Mpendulo
MNYANI Ncebakazi
MOKOTA Naledi
MOLOTSI Thakane
MONDE Nqobile
MONTILE Buntukazi
MOTHOA Khutso Mamorabana
MOTLHOIWA Lucky Lesley
MOYANA Asiphe
MPEPO Budlelwane
MPINDA Awodwa
MPINGANA Ayabonga
MPOFANA Sinethemba

MQADI Jabulisile Happiness
MQADI Nonjabulo Happy
MQINGWANA Athule
MSEBENZI Unathi
MSOBO Sinethemba
MTHANDEKI Olwam
MVIKO Mhlali
MXHOTYELWA Bongani
MXOSANA Lwandile
MYENI Minenhle Zinzi
MYOYWANA Aphiwe
MZANTSI Zusakhe
MZIZE Lisa Angel
MZIZE Lulama
NCUBE Olindayo
NDAWONDE Neliswa
NDEDWA Hlomelo
NDESI Wandisa
NDLUZELE Phumlani
NDWANYAZA Zusiphe
NELANE Lemohang
NGCANGA Nontuthuzelo
NGECE Nizole
NGEMA Nomagugu
NGEMNTU Zukhanye Princess
NGOBENI Surprise Alpha
NGONINI Minenhle
NGWALANGWALA Siphosothando
NJANJA Entle

BACHELOR'S DEGREES

BACHELOR OF SCIENCE

NJUMBA Siyakwakhana
NKAITSHANA Amego Winfrey
NKUME Khanya
NODWENGU Tamara
NOJAHOLO Simbonge Restoration
NOKHWINTSA Abigail Sesethu
NOMZANGA Masixole
NONDONGA Okona
NONTSWABU Buhle
NOPHAKELA Lilitha
NOSASA Asisipho
NQOKO Athanda
NTETE Celokuhle Sandise
NTLEKI Alungile
NTONDINI Live Senele
NTSAKANTSAKA Pretty
NTSHANGA Lathitha
NTSHANGASE Ongeziwe
NTSIKENI Mnoneleli
NTSUKUMBINI Zinzi
NUBA Vuyolwethu
NYAKAMA Lukhanyo
NYANGIWE Usisipho
NYANGWA Esona
NYISHA Siphosethu
NZIMANDE Lwandiso Comfort
NZIMASE Siphesihle
ODEYEMI Olaoluwa David
PAMA Yonelisa

PANGWA Okuhle
PATO Asakanya
PETER Ayabonga
PETER Lithemba
POSWA Khanya
QAGA Lusanda Lucia
QHANTSI Mandisi
RADEBE Relebohile Precius
RAMAKATSA Innocentia
RORWANA Gugu
RUZIVE Panashe
SAKWE Lona
SHANGE Nonjabulo
SIBEKELO Thandokazi
SICETSHA Xabiso
SIKO Inga
SIQOKO Bongolethu
SOBETYE Oyama
SOBHOYISE Mandilakhe
SOMBASA Anelisa
SOMBASA Qamisa
SOMI Noxolo
SOMJOVU Asekho
SOTSOPO Emanuel
TAMBO Siphilile
THIYA Zubenathi
TSHAKA Solomzi
TSHAMBULA Babalo
TWAKU Phindile

BACHELOR'S DEGREES

BACHELOR OF SCIENCE

TWALINGCA Nwabisile
TYANI Siseko
TYHALITHI Olwethu
VALIKO Onako
VAVA Sinovuyo
VETHE Nzukiso
VULUVULU Thembelani
VUSANI Endinako
WATIKENI Mhlali
XELO Kingsley Andile
XHUMA Ludumo
ZANGWA Monde Doniven
ZIBI Ezile
ZONDANI Sisipho
ZONDIWE Cwangco
ZWELIFILE Sanele

NATIONAL ANTHEM



*Nkosi sikelel' iAfrika
Maluphakanyis' uphondo lwayo
Yizwa imithandazo yethu
Nkosi sikelela, thina lusapho lwayo*

*Morena boloka setjhaba sa heso
O fedise dintwa le matshenyeho
O se boloke, O se boloke Setjhaba se heso
Setjhaba Sa South Africa, South Africa*

*Uit die blou van onse hemel
Uit die diepte van ons see
Oor ons ewige gebergtes
Waar die kranse antwoord gee
Sounds the call to come together
And united we shall stand
Let us live and strive for freedom
In South Africa our land*



ORDER OF PROCEEDINGS

Faculty of Science & Agriculture Afternoon Session

Wednesday, 6 May 2026 | 13h00

- The Chancellor constitutes the congregation for
Conferring of Degrees and Awarding of Diplomas:
Chancellor, Advocate DB Ntsebeza SC
- Welcome address:
Acting Vice-Chancellor, Doctor N Taole-Mjimba
- Conferring of Degrees and awarding of Diplomas:
Chancellor, Advocate DB Ntsebeza SC
- Presentation of qualifications to the Chancellor:
Professor U Nwodo, Acting Dean, Faculty of Science and Agriculture
- Dissolution of the congregation:
Chancellor, Advocate DB Ntsebeza SC



DOCTORAL DEGREES

DOCTOR OF AGRICULTURE IN AGRICULTURAL ECONOMICS

JONGA Siyabonga

PROFILE

Siyabonga Jonga's research investigated climate change vulnerability and adaptation strategies in rural coastal areas, with a particular emphasis on the role played by socio-economic factors in shaping adaptive capacity. This was motivated by the need to understand climate change vulnerability and adaptation practices for this subsector, given that more attention has been paid to inland farming households. Using a cross-sectional survey of 385 households, the study generated household-level indices that were used as the dependent variables in the econometrics models. Descriptive results revealed a moderate to high climate change vulnerability index among the rural coastal farming households with harvesting of forestry resources and livestock production as the main livelihoods. Econometrics results revealed that variables like age, education, extension service and crop production increase climate change vulnerability, while livestock production reduces vulnerability.

The study argues that generic commodity-level climate change adaptation strategies, while necessary, may be insufficient to promote overall resilience if they are not aligned with the dominant livelihoods. The study recommends that government and rural developmental agencies seeking to promote climate change resilience in coastal farming areas should align climate change adaptation strategies to the dominant livelihoods prevailing in the area. These measures are expected to reduce over-reliance on generic commodity-level adaptation strategies, improve adaptive capacity, and address the unique socio-economic dynamics of rural coastal farming households. From this study, one paper has been accepted in a DHET accredited journal, while other two papers are currently under review. One paper has also been presented at a local conference.

JONGA Siyabonga

TITLE OF THESIS: Climate change vulnerability and adaptation in coastal rural farming households: Ngqushwa, South Africa.

SUPERVISOR: Proffesor A Taruvunga

DOCTORAL DEGREES

DOCTOR OF AGRICULTURE IN AGRICULTURAL ECONOMICS

NINGI Thulani

PROFILE

Thulani Ningi's doctoral research examined the food-water-energy (FWE) security nexus trade-offs and synergies and their implications for household livelihood resilience in the Amathole District, South Africa. Responding to a critical gap in nexus literature, the predominance of siloed, two-dimensional analyses that obscure direct resource relationships, neglect risk and uncertainty and overlook how FWE nexus tradeoffs and synergies shape livelihood resilience, the study adopted a comprehensive three-dimensional approach at the household scale. Using a cross-sectional survey of 655 households, preceded by six focus groups, the study applied a multi-stage sampling procedure and a rigorous analytical framework encompassing network analysis, Monte Carlo simulation and propensity score matching (PSM). Findings revealed more tradeoffs than synergies in the household's FWE, with income and transportation use exerting the strongest influence across the nexus.

The study shows that high synergies within the FWE nexus correlate with more resilient household livelihoods, with education positively influencing the tradeoffs and synergy status, and credit access acting as a negative constraint. The study concludes that labour, transportation, and income use constitute the most prominent tradeoffs, and emphasizes that risk and uncertainty are inherent to nexus dynamics. Policy recommendations include bringing FWE sources closer to households, strengthening income-support mechanisms, promoting solar energy adoption, water-saving techniques, and multi-stakeholder collaboration to enhance synergies. From this thesis, four papers were published in peer-reviewed DHET accredited journals, one paper is currently under review, and five papers were presented at academic conferences.

NINGI Thulani

TITLE OF THESIS: Trade-offs and synergies in foodwater-energy nexus at the household level and their impact on livelihood resilience: insights from Amathole Distric, South Africa.

SUPERVISOR: Professor A Taruvinga

CO-SUPERVISORS: Doctor L Zhou
Doctor S Ngavara

DOCTORAL DEGREES

DOCTOR OF AGRICULTURE IN AGRICULTURAL ECONOMICS

YOKWANA Aphelele Lucia

PROFILE

Yokwana's doctoral research investigated the production and market participation dynamics of resource-constrained vegetable farmers in the Eastern Cape Province of South Africa. The study applied a triple hurdle modelling framework to analyze the sequential decisions of smallholder farmers to engage in production, participate in markets, and select appropriate marketing channels.

The findings demonstrate that production and market participation decisions are interdependent and occur sequentially rather than simultaneously, shaped by household characteristics, market access conditions, and institutional constraints. The study provides important empirical insights into the barriers limiting smallholder integration into formal markets and highlights critical areas for policy intervention aimed at improving agricultural productivity, market access, and rural livelihoods.

This work makes a valuable contribution to agricultural socioeconomics, particularly in advancing the application of econometric modelling to understand smallholder behaviour in resource-constrained environments.

YOKWANA Aphelele Lucia

TITLE OF THESIS: Production and market participation in the resource-constrained vegetable sub-sector of the Eastern Cape Province, South Africa.

SUPERVISOR: Profrssor A Obi

CO-SUPERVISOR: Professor M Aliber

DOCTORAL DEGREES

DOCTOR OF AGRICULTURE IN AGRICULTURAL ECONOMICS

ZAMISA Owetu

PROFILE

Owetu Zamisa's doctoral thesis investigated the income implications of beekeeping and the factors influencing honey value addition and commercialisation among small-scale beekeepers in the Eastern Cape Province of South Africa. The research was motivated by persistent challenges of low participation in value addition initiatives, limited commercialisation within the apiculture subsector, and high level of speculation with limited empirical evidence on the income effects of beekeeping at the household level. Based on a sample of 300 respondents, the study employed advanced econometrics techniques, including the Cragg Double Hurdle model, Multivariate Probit (MVP), and Endogenous Switching Regression (ESR), to generate robust and reliable findings. The results revealed the importance of education, cooperative membership, access to market information, and farm inputs in promoting participation in value addition and commercialisation. The study further demonstrates that participation in beekeeping, value addition, and commercialisation significantly improves household income.

The research provides valuable policy-relevant insights for promoting sustainable beekeeping and enhancing rural livelihoods. It contributes to the broader understanding of how small-scale beekeepers can transition from subsistence production to more market-oriented and profitable enterprises, thereby strengthening the apiculture value chain. From the thesis two papers have been accepted for publication in DHET accredited journals, and one paper is currently under review. Also, from the research two papers were presented, one at a local conference and the other one at an international conference.

ZAMISA Owetu

TITLE OF THESIS: Income implications and drivers of honey value addition for commercialisation among small-scale beekeepers in the Eastern Cape, South Africa.

SUPERVISOR: Professor A Taruvunga

DOCTORAL DEGREES

DOCTOR OF AGRICULTURE IN SOIL SCIENCE

NEBO Godwin Iloabuchi

PROFILE

Godwin's Doctor of Agriculture in Soil Science thesis entitled "Short-term impacts of conservation agriculture practices on soil eco-hydrological properties, and drought resilience in a semi-arid South Africa" makes a significant contribution to the understanding of conservation agriculture within semi-arid environment, with a particular focus on the smallholder farming systems in the Eastern Cape province of South Africa. The study critically examines the contested short-term impacts of conservation agriculture, addressing a long-standing tension between long-term sustainability goals and the immediate livelihood realities faced by smallholder farmers. By engaging in both biophysical and socio-economic dimensions, the research provides a nuanced understanding of the complex interplay between soil health, water use efficiency, and farmer decision-making in resource-constrained environments.

Through a context-specific analysis, the study highlights how climatic variability, degraded soils, competing demands for crop residues, and transitional labor demands constrain the short-term performance and adoption of conservation agriculture. The thesis further expounds how delayed improvements in soil organic matter and hydrological function influence farmer perceptions and decision-making, thereby contributing to ongoing debates surrounding the viability of conservation agriculture in semi-arid regions.

Importantly, the research moves beyond generic assessments by situating conservation agriculture within the lived realities of smallholder farmers, offering a grounded and critical perspective on its practical implementation. The findings not only enrich academic discourse but also hold significant implications for policy formulation, extension services, and sustainable land management strategies. This work represents a meaningful step toward reconciling eco-hydrological sustainability with socio-economic resilience in vulnerable small-holder agricultural systems.

NEBO Godwin Iloabuchi

TITLE OF THESIS: Short-term impacts of conservation agriculture on soil ecohydrological properties and drought resilience in semi-arid South Africa.

SUPERVISOR: Associate Professor A Manyevere

CO-SUPERVISORS: Associate Professor TA Weldeclassie
Associate Professor J van Tol

MASTER'S DEGREES

MASTER OF AGRICULTURE IN AGRICULTURAL ECONOMICS

CUM LAUDE

MSEZENI Azola

DISSERTATION TITLE: Assessing the Profitability and Land Allocation for Soybean and Maize Production Among Emerging Farmers in Newcastle Local Municipality, KwaZulu-Natal, South Africa.

SUPERVISOR: Doctor JZ Manyike

CO-SUPERVISOR: Professor A Mushunje

MASTER OF AGRICULTURE IN AGRICULTURAL ECONOMICS

MANGALISO Masanele

DISSERTATION TITLE: Assessment of the market potential of amaranth species and its implications for food security and economic empowerment in Nyandeni Local Municipality.

SUPERVISOR: Professor A Obi

CO-SUPERVISOR: Professor M Aliber

VICE Yonela

DISSERTATION TITLE: Analysing Trade-offs and Synergies in Climate Change Adaptation Decisions Among Smallholder Maize Farmers in King Sabata Dalindyebo, Eastern Cape.

SUPERVISOR: Doctor JZ Manyike

CO-SUPERVISOR: Professor A Mushunje

MASTER'S DEGREES

MASTER OF AGRICULTURE IN AGRICULTURAL EXTENSION

CUM LAUDE

MANGESANA Zukhanye

DISSERTATION TITLE: The Use of Information and Communication Technologies in Facilitating Climate Change Adaptation Strategies in Communal Farming Areas of Raymond Mhlaba Local Municipality, Eastern Cape, South Africa.

SUPERVISOR: Doctor. L. Gwala

MASTER OF AGRICULTURE IN AGRICULTURAL EXTENSION

LUFUME Sibonise

DISSERTATION TITLE: Assessing Agricultural Extension Support in the Adoption of Climate-Smart Technologies among Small-Scale Farmers in Raymond Mhlaba Local Municipality, Eastern Cape Province.

SUPERVISOR: Doctor L Gwala

CO-SUPERVISOR: Doctor L Zhou

RASI Sinalo

DISSERTATION TITLE: Radio and agricultural information broadcast: A case study of community radio stations in Eastern Cape, South Africa.

SUPERVISOR: Doctor SFG Yusuf

CO-SUPERVISOR: Professor M Aliber

SIBULEWE Sandisiwe

DISSERTATION TITLE: Community radio broadcasting and agricultural technology dissemination: the perception of smallholder farmers in King Sabatha Dalindyebo Municipality, Eastern Cape, South Africa.

SUPERVISOR: Doctor SFG Yusuf

CO-SUPERVISOR: Professor M Aliber

MASTER'S DEGREES

MASTER OF PHILOSOPHY IN ENVIRONMENTAL STUDIES

DLAMINI Phindile

DISSERTATION TITLE: Assessing the impact of land use on wetland health in rural communities of Elundini Local Municipality, Eastern Cape, South Africa.

SUPERVISOR: Professor PD Sumner

CO-SUPERVISOR: Doctor KH Thamaga

MASHABA Thabo Sydwell

DISSERTATION TITLE: The Adoption of Solar Photovoltaic Systems at Mbombela Municipality in the Mpumalanga Province, South Africa.

SUPERVISOR: Doctor SP Mazinyo

NUHU Sakibu

DISSERTATION TITLE: An investigation into the impacts, knowledge and financial performance of herbicide use and weed control practices among smallholder maize farmers in Kintampo North District Assembly, Bono East Region of Ghana.

SUPERVISOR: Doctor SP Mazinyo

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE

KESE Zisanda

DISSERTATION TITLE: The use of climate-smart agriculture (CSA) practices and their effects on the food security of smallholder crop farmers in Mbashe Local Municipality, Eastern Cape province of South Africa.

SUPERVISOR: Doctor A Mayekiso

MAQAQA Mongami

DISSERTATION TITLE: Patterns, Cause and Consequences of Maize Price Volatility in the Eastern Cape Province of South Africa.

SUPERVISOR: Professor A Obi

CO-SUPERVISOR: Professor AO Fatunbi
Professor M Aliber

MKHUTSHWA Simamkele Sima

DISSERTATION TITLE: Profitability of maize and soybean production and the effect of soybean adoption on the livelihoods of smallholder farmers in rural areas: A case of Bergville, KwaZulu-Natal, South Africa.

SUPERVISOR: Professor A Mushunje

CO-SUPERVISOR: Doctor P Chaminuka

SIKHUNI Wanga

DISSERTATION TITLE: Leveraging market and information access for smallholder cabbage and spinach farmers through digital technology in Mbashe Local Municipality, Eastern Cape Province.

SUPERVISOR: Doctor A Mayekiso

CO-SUPERVISOR: Doctor NV Tafeni

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE IN ANIMAL SCIENCE

CUM LAUDE

MALGAS Masithembe

DISSERTATION TITLE: Farmers' knowledge of gastrointestinal parasites, associated risk factors, and prevalence in communal goats in the inland and coastal parts of the Eastern Cape Province, South Africa.

SUPERVISOR: Professor IF Jaja

MBOBO Siyasamkela

DISSERTATION TITLE: Knowledge, attitudes and practices regarding cystic echinococcosis and its detection in cattle in abattoirs in the Eastern Cape Province, South Africa.

SUPERVISOR: Professor IF Jaja

CO-SUPERVISOR: Doctor C Byaruhanga

MTENJWA Bukeka

DISSERTATION TITLE: Influence of fossil shell flour diets supplemented with baobab oil seed cake on water intake, growth performance, and nutritional status of Angora goats.

SUPERVISOR: Doctor CT Mpendulo

CO-SUPERVISOR: Doctor OO Ikusika

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE IN ANIMAL SCIENCE

CHABULA Makaziwe Edith

DISSERTATION TITLE: Seroprevalence and Knowledge of toxoplasmosis in dairy cows in the Eastern Cape Province, South Africa.

SUPERVISOR: Associate Professor IF Jaja

HARUZIVI Clyde

DISSERTATION TITLE: Effects of fossil shell flour diets supplemented with varying inclusion levels of baobab oil seed cake on physiological responses, enteric methane emissions, rumen environment, and digestibility of Dohne Merino wethers.

SUPERVISOR: Dr CT Mpendulo

CO-SUPERVISOR: Doctor OO Ikusika
Professor FN Fon

HOBE Asiphe

DISSERTATION TITLE: Molecular characterization of Vibrio species obtained from fish in the Eastern Cape Province, South Africa.

SUPERVISOR: Associate Professor IF Jaja

CO-SUPERVISOR: Doctor L Msolo

MAGUTA Effort

DISSERTATION TITLE: Knowledge, attitude and practice of bovine tuberculosis and its spatiotemporal incidence in South Africa.

SUPERVISOR: Associate Professor IF Jaja

CO-SUPERVISOR: Professor A Michael

NOGAGA Nolinda

DISSERTATION TITLE: Influence of fossil shell flour diet supplemented with baobab oilseed cake on blood profile, nematode infestation, wool yield and its physical properties in Dohne Merino wethers.

SUPERVISOR: Doctor CT Mpendulo

CO-SUPERVISOR: Doctor OO Ikusika

PLATI Mikhulu

DISSERTATION TITLE: Effects of fossil shell flour diet supplemented with graded inclusion levels of baobab oil seed cake on linear body measurements, carcass classification and shelf life of Dohne-Merino sheep.

SUPERVISOR: Mr CS Gajana

CO-SUPERVISOR: Doctor CT Mpendulo

SIBUTHA Siziwe

DISSERTATION TITLE: Knowledge of Taenia solium cysticercosis among abattoir workers and its detection using antigen ELISA in naturally infected pigs in Eastern Cape Province, South Africa.

SUPERVISOR: Professor IF Jaja

CO-SUPERVISOR: Doctor C Byaruhanga

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE IN CROP SCIENCE

MKOLISWA Sixolile

DISSERTATION TITLE: Adaptation of canola genotypes and response to soil acidity in the Eastern Cape Province, South Africa.

SUPERVISOR: Professor CS Mutengwa

CO-SUPERVISOR: Professor P Swanepoel

MASTER OF SCIENCE IN AGRICULTURE IN HORTICULTURAL SCIENCE

CUM LAUDE

MAKHUBALO Naledi

DISSERTATION TITLE: Biomass productivity and crop quality of traditional leafy vegetable, *Cleome gynandra*, using different levels of giant kelp extract enriched kraal manure

SUPERVISOR: Professor A Manyevere

CO-SUPERVISOR: Doctor CV Mashamaite

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE IN HORTICULTURAL SCIENCE

MANYAKU Awabo

DISSERTATION TITLE: Guanobost™ nutrient release pattern, comparative yield, quality and economic performance of organic and conventional production of potatoes cv. Palace.

SUPERVISOR: Doctor. H Witbooi

CO-SUPERVISOR: Professor C Chiduzza

NHENDERERE Olga Chido

DISSERTATION TITLE: Investigation of treating domestic greywater with banana peels and its possible use to grow vegetables.

SUPERVISOR: Doctor LL Mzini

CO-SUPERVISOR: Doctor HB Magagula
Professor C Chiduzza

MASTER OF SCIENCE IN AGRICULTURE IN PASTURE SCIENCE

JOYI Noluvo

DISSERTATION TITLE: Impact of phosphorus and pasture cropping system on agronomic performance, and productivity of temperate forages and weed management in communal areas of the Eastern Cape, South Africa.

SUPERVISOR: Doctor M Mndela

CO-SUPERVISOR: Doctor A Finca

MBONISWA Sibulele

DISSERTATION TITLE: The effect of Lantana camara on herbaceous vegetation, soil nutrients and human livelihoods in communal rangelands of Kwelera, East London Eastern Cape Province of South Africa.

SUPERVISOR: Mrs K Jama

CO-SUPERVISOR: Doctor M Mndela
Doctor B Gusha

KAPIYANA Bridget Cwayita

DISSERTATION TITLE: The extent and influence of woody plant invasion on herbaceous vegetation: insights from meta-analysis, structural models and empirical study of Pteronia incana invasion.

SUPERVISOR: Doctor M Mndela

CO-SUPERVISOR: Doctor KH Thamaga

NKENKEM Thabiso

DISSERTATION TITLE: Influence of woody plant encroachment on understory woody and herbaceous vegetation: a global and local-scale perspective.

SUPERVISOR: Doctor M Mndela

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE IN SOIL SCIENCE

CUM LAUDE

MANASE Andisiwe

DISSERTATION TITLE: Assessing the performance of forest restoration practices on vegetation development and soil wetness indicators using Unmanned Aerial Vehicle (UAV) system in the Mistbelt forests.

SUPERVISOR: Professor. A Manyevere

CO-SUPERVISOR: Professor MAM Abd ElBasit
Doctor J Leaver

MJOKWE Sthombe

DISSERTATION TITLE: Phosphorus adsorption chemistry and optimization using selected biological amendments and adjusted levels of phosphorus in phosphorus-deficient soils of Zanyokwe smallholder farmers in the Eastern Cape, South Africa.

SUPERVISOR: Doctor DE Elephant

CO-SUPERVISOR: Professor A Manyevere

MUBONDERI Nyasha

DISSERTATION TITLE: Monitoring the extent of soil erosion in grassland biomes using fused multiplatform satellite-based remote-sensing data.

SUPERVISOR: Professor A Manyevere

CO-SUPERVISOR: Professor MAM Abd ElBasit

MASTER'S DEGREES

MASTER OF SCIENCE IN AGRICULTURE IN SOIL SCIENCE

JIBA Wendy

DISSERTATION TITLE: Responses of soil physical properties to early stages of active ecological restoration in the Mistbelt forest of South Africa.

SUPERVISOR: Professor A Manyevere

CO-SUPERVISOR: Doctor CV Mashamaite

MBEWU Asekhona Dolly

DISSERTATION TITLE: Climate Change Impact on the Agricultural Water Footprint of Selected Crops in Smallholder Farming Systems in Matatiele, Eastern Cape Province, South Africa.

SUPERVISOR: Doctor DE Elephant

CO-SUPERVISOR: Doctor P Nyambo

MZAYIYA Zizo Blessing

DISSERTATION TITLE: The influence of smallholder farmer endowment on kraal manure quality and nutrient improvement through composting and co-composting in the Tsitsa River Catchment.

SUPERVISOR: Associate Professor A Manyevere

CO-SUPERVISOR: Doctor CV Mashamaite

POSTGRADUATE DEGREES

BACHELOR OF AGRICULTURE HONOURS IN AGRICULTURAL ECONOMICS

BASI Farider
DUMBU Landile
DUNGANE Mihle
GEGILE Kholeka
GUMBO Anesu-Alex
HEBE Ambeswa Asimanye
JACK Kwakhanya
KOTISHINI Sisipho
LIQHWA Yonela
LUZIPHO Ifikile Joseph
MAKA Abongile
MARMAN Samkelo
MASHALABA Sikanyiso
MATIWANE Velisani
MBOTHO Anda
METHULA Lindokuhle Meritorious Dumsile
MNGCONGO Asahleli
MTSEPHEYI Sinethemba
NCANYWA Somilangaye
NGOMANA Zizipho
NIMO-BOAMPONG Mpho Gifty
NOFATYELANA Chumani
NOKOTSOYI Mbali
NOMQONDE Songezo
NTOYIYA Wonke
RUBULANA Thabiso
SOLONTSI Sandisiwe

THWALANI Thembekile
ZAMILE Ondela

POSTGRADUATE DEGREES

BACHELOR OF AGRICULTURE HONOURS IN AGRICULTURAL EXTENSION

BAM Ntsika
BLANTI Luyanda
BUKWANA Lukhanyo
DLAMINI Aphiwe
DLANJWA Asakhe
DYASI Thulisa
KHEBENZI Khululwa
KOBENI Axola
KOMANI Sipho
KOPELE Masomelele
MALAWU Sive
MANZINI Asanda
MATHUMBU Ezile
MAXENGANA Milisa
MCWILIKAZI Yamkela
MOHLABYA Kgopotso Paris
NDYEBO Kwanele
NDZANDU Tembani
NDZENDEVU Awodwa
NDZIWENI Esona
NQEBE Sibulele
NTABENI Masande
NYATELA Buhle
SEYBOK Litha
SILINGA Abongile
SOYITSHO Asekho
TSHEKELA Amanda Ellen

VULINDLELA Nosisa
YALO Senzo
ZELE Amahle

BACHELOR'S DEGREES

BACHELOR OF AGRICULTURE

CUM LAUDE

LUTHULI Siphindile
MAFUNDA Thandokazi
MDLALOSE Siyamdumisa Siyokwazi
RHUZANA Solwethu

BACHELOR OF AGRICULTURE

BENTSWANA Zenande
DINGANI Eshle
DLAMINI Sibulele
FOURIE Janine Roselyn
GALI Afikile
GAWULA Sibambangazibini
GODUKA Mpho
HLONGWANE S bongile Prudence
HLONGWE Sinentlahla
JAMES Siyahluma
JOJO Asenazo Alwaba
KAME Axolile
MADAKA Sinentlahla
MAFALALA Nomsindisi
MAHUMANE Tumelo Maria
MAKHUBEDU Innocent
MANKO Tshidiso
MANXILA Ndisakhanya

MASHIANE Rorisang
MATHISO Alive
MAVUSO Sifundile
MDINJANA Achumile
MFAKAXA Ayabonga
MFANA Bavuyise
MJONONO Lutho
MKANGAZI Asanele
MNYAKANA Zintle
MQHINQI Owam Vincent
NCISE Bongekile
NDULELISA Qhamani
NGAMBU Sisipho
NKOSI Lungelo
NOKWINDLA Inokuhle Afikile
NOMAKHWEZANA Lihle
NONTU Sinothando
NTSHIDI Lwando

BACHELOR'S DEGREES

BACHELOR OF AGRICULTURE

RORO Onako
SABA Vuyolwethu
SAZIWA Zesipho
SIBHOBHI Asezile
SINYOSI Mufunwa Thama
SIXHASO Nqaba
SKANTI Sambesiwe
SKWATSHA Luhle Nompumelelo
SOGAISE Homelo

SOMDAKA Zukhanye
TONONO Simanye
TSHAFUTHI Yanga
TSOTSA Liyakhanya
VELAPHI Mtobeli
VULA Liyema
XHALISILE Lindokuhle
ZITHA Azinathi Precious

BACHELOR OF AGRICULTURE IN AGRICULTURAL EXTENSION

BAARTMAAN Lindokuhle Konke
BAKENI Sihle
BEKWAYO Imkitha
BOBOYI Siphelele
BOOI Qaqamba
BUNGANI Anelisiwe
CANDLOVU Amahle
CITHI Othandwayo
CIYANA Lwazi
DANISO Unathi
DYANI Lukhanyo
DYANI Sihlumise
DYANI Sixolile
GONGQO Msimelelo
HLANGANI Ayaduma

HOLANE Gqibela
KETANI Sinalo
KUNENE Thelela
KUTU Ncebakazi
LINDANI Zintle Somila
LOKOTO Deon
LUBAVU Yamkela
MAHLAMVU Anathi
MAHLANGU Yvonne Bonile
MAHOLE Phious
MAKABA Dedasikhona
MAKHEM Isiphile
MAMA Sive
MANELI Sanesiwe
MANJINGOLO Ayabulela

BACHELOR'S DEGREES

BACHELOR OF AGRICULTURE IN AGRICULTURAL EXTENSION

MASETI Mpucuko
MATERA Sosulwe
MATHUMBU Lungisa
MBASANE Owetu
MGIDI DALA Minentle Gengesi
MJOLI Zethu
MLAMLA Bulumko
MNCONO Zinathi
MOLISI Zimi Prudence
MPEPI Unam
MPI Lisakhanya
MRWETYANA Mhlanguli
MTHITHALA Lungisa
MTISHE Oyama Ede
MUTE Oyama
MYOSANA Zukhanye
NABE Avuyile
NAMLELA Ziyanda
NDILONGO Siyambonga
NGCAYIYA Zandile
NKANYAMBA Yandisa
NKOSIYAPHANTSI Minikazi
NOOITJE Bandle Petrus
NQAMBI Avuyile
NTLANYANA Inga
PHEHLAMANZI Zovuyo
QINYANA Maphelo
RANGANA Thandile
SIBALI Emihle

SIZIMANE Yonela
SOFOLO Lihle
SOMDAKA Zimvo Leo
TININI Sinegugu
TSIPA Iviwe
TWALA Samukelo Ernest
TYIMI Atenkosi
VAPHI Asanele
WILLIAMS Buncwane
XWAYI Asemahle
ZOZI Aphindile

BACHELOR'S DEGREES

BACHELOR OF SCIENCE IN AGRICULTURE IN AGRICULTURAL ECONOMICS

CUM LAUDE

MRWEBI Nwabisa
SIFUMBA Zintle

BACHELOR OF SCIENCE IN AGRICULTURE IN AGRICULTURAL ECONOMICS

DABA Anda
DLABANTU Yolanda Oyama
DUNGULU Pakamisa
FIHLA Yandisa Kwanele
GEBE Arthur Anga
GQUTHELO Fezile
JARA Mongikazi
KHETHABAHLE Siyanda
MACHI Ntando
MAKAULA Khulasande
MALIWA Sikhonathi
MAQOBO Sabelo
MAYIBUTHE Fundisile
MELLIS Parsions
MLOTYWA Vuyo
MNYAMEZELI Mveliso
NGCUKANA Avela

NJIKIJA Phindile
NJOMANE Inam Amber
NOMNGONGO Yanga
NYEMBEZI Sabisa
NYIKISA Siyamanga
SANGO Lilitha
SWANA Samkelo Jerald
TSHINGANA Mihlali
VUZANE Uzusiphe
YOYO Liyabona

BACHELOR'S DEGREES

BACHELOR OF SCIENCE IN AGRICULTURE IN ANIMAL PRODUCTION

CUM LAUDE

NOMYAYI Ntando Ishmail
SKOLPATI Azasakhe

BACHELOR OF SCIENCE IN AGRICULTURE IN ANIMAL PRODUCTION

BANGANI Naledi
BUQA Phaphama Brian
DUMISA Ayabonga
DYANTYI Siphathelo
HLAO Selloane
KHATYWA Nsikelelo
LANGA Amahle
LETILE Njabulo Jonathan
MABUYA Kgaogelo
MADIKIZELA Siyavuya
MAKALANA Sinelizwi
MAKHITSHI Chuma
MAKOYI Avela
MANDARA Ntokozo
MANXIWENI Lubabalo
MASIZA Athenkosi Siphelele
MDA Afika

MPUM Sibulele
MTYINGIZANI Likho
MUCHENJE Strive Takundanashe
NKAME Bayanda
NONO Athenkosi
NTANTA Kamvalethu
NTSOYI Sinenjongo
RAMBA Qhamane
SAPEPA Khuselo
SILWANYANA Sibongakonke
SKALK Asemahle
TISANI Mhlali
TOFANA Tembisa
TUKULA Tembelihle
TUKUTE Zimkhitha
ZULANI Sisipho

BACHELOR'S DEGREES

BACHELOR OF SCIENCE IN AGRICULTURE IN CROP SCIENCE

DLOVA Salathiso
JUZA Chumisa
LUMEZA Avukile
MANDLEZA Mvuyisi
MBUBE Siviwe

MDANI Lubambo Lisakhanya
MFENQA Mniki
MNGUNI Sinesipho
NDZO Siphesihle
SELANI Zanele

BACHELOR OF SCIENCE IN AGRICULTURE IN HORTICULTURE

FENI Sinothando
GEORGE Lwandiswa Swelihle
MADIKIZELA Asiphe
MADOLWANA Mbekezeli
MALALANGE Sinentlahla
MBODLA Aaron Solibanzi

NOLISI Lizal'idinga Lisakhanya
NYAMA Amanda
SIGXONONO Asanda
SITAFANS Thandolwethu
SOKANYILE Mawande

BACHELOR OF SCIENCE IN AGRICULTURE IN LIVESTOCK AND PASTURE

CUM LAUDE

NTULI Jabu

BACHELOR'S DEGREES

BACHELOR OF SCIENCE IN AGRICULTURE IN LIVESTOCK AND PASTURE

NONKWELO Sinazo
RABE Siyolise
SITSHONGO Sandiso

BACHELOR OF SCIENCE IN AGRICULTURE IN SOIL SCIENCE

MBOSINI Avela
MVUSI Simnikiwe
NONYANTILE Amahle
STIMELA Thuli

NATIONAL ANTHEM



*Nkosi sikelel' iAfrika
Maluphakanyis' uphondo lwayo
Yizwa imithandazo yethu
Nkosi sikelela, thina lusapho lwayo*

*Morena boloka setjhaba sa heso
O fedise dintwa le matshenyeho
O se boloke, O se boloke Setjhaba se heso
Setjhaba Sa South Africa, South Africa*

*Uit die blou van onse hemel
Uit die diepte van ons see
Oor ons ewige gebergtes
Waar die kranse antwoord gee
Sounds the call to come together
And united we shall stand
Let us live and strive for freedom
In South Africa our land*