

NELSON MANDELA UNIVERSITY

Summer Graduation December 2024

Ceremony 1

Faculty of Law | Faculty of Engineering, the Built Environment and Technology
Faculty of Humanities | Faculty of Health Sciences | Faculty of Science

11 DECEMBER 2024 | 09:30



SUMMER GRADUATION | 2024

VISION

To be a dynamic African university, recognised for its leadership in generating cutting-edge knowledge for a sustainable future

MISSION

To offer a diverse range of life-changing education experiences for a better world

VALUES

Excellence

Respect for diversity

Ubuntu

Social justice and equality

Integrity

Sustainable stewardship





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OUR BRAND

We are Nelson Mandela University

Together we are **Nelson Mandela University**. We are the only university in the world to be named after Nelson Mandela. Our iconic South African statesman, humanitarian and leader is known globally for what he achieved.

We are honoured as **Nelson Mandela University** to carry his name. In return, we honour our namesake by endeavouring to live his legacy. We honour him by using his name in full.

We are **Nelson Mandela University**.

Saam is ons **Nelson Mandela Universiteit**. Ons is die enigste universiteit ter wêreld wat na Nelson Mandela vernoem is. Ons ikoniese Suid-Afrikaanse staatsman, humanitêre figuur en leier, is wêreldwyd bekend vir wat hy bereik het.

Ons is geëerd as **Nelson Mandela Universiteit** om sy naam te dra. In ruil daarvoor, eer ons ons naamgenoot deur daarna te streef om sy nalatenskap uit te leef. Ons eer hom deur sy naam ten volle te gebruik. Ons is **Nelson Mandela Universiteit**.

Sisonke **siyiNelson Mandela University**. Siyeyona kuphela kweyunivesithi ehlabathini ethiywe ngoNelson Mandela. Isiswenye sethu nowayesakuba nguMongameli woMzantsi Afrika, onesisa nokwayinkokheli waziwa kwihlabathi jikelele ngenxa yowakuzuzayo.

Siziva siwongekile **njengeNelson Mandela University** ukuthwala igama lakhe. Ngokwembuyekezo, siphakamisela phezulu ugama wethu ngokuzama ukuphila kumzila wakhe.

Simpakamisela phezulu ngokusebenzisa igama lakhe ngokupheleleyo. **SiyiNelson Mandela University**.



Our logo

We developed a modern, font-based logo to communicate a forward-thinking concept. With its dynamic African feel, it sets Nelson Mandela University apart from its competition. The use of the circle and the triangle in the name creates a playful feel while alluding to ingenuity and creativity - two vital ingredients for change.

The colour palette was specifically chosen to reflect the University values and to add gravitas to the logo. We opted for blue, as it symbolises heritage, strength and trustworthiness. The bright yellow was chosen to add approachability, freshness and warmth.



ELA

UNIVERSITY



CONGRATULATORY MESSAGE



Dr Geraldine Fraser-Moleketi
Chancellor

Graduation is a significant milestone in life. It is the culmination of an academic journey that reflects your ambition, determination, commitment, perseverance, and demanding work. We know that this journey is not yours alone, as many have travelled with you. These are your friends, your lecturers, supervisors, mentors, and your family. They have invested in you financially, guided your studies and encouraged you to keep going. But above all, they have believed in your ability to succeed and achieve this graduation dream.

Today we celebrate not only what you have achieved, but what this promises going forward in terms of your potential as a graduate and alumnus of Nelson Mandela University.

Your education is your passport to the future – and the future hopes of our country and continent. Indeed, education is the foundation to a better world. Or, as Nelson Mandela so eloquently put it:

“ *Education is the most powerful weapon which you can use to change the world.* ”

Your joy is our joy too.

We salute and applaud your achievement and wish you every success for your future endeavours, wherever they may take you.

Congratulations!

Uthwes o zidanga ludumo olubaluleke kunene ebomini. Yinkcochoyi kuhambo lwemfundo enomsila echaza ukunxanwa kwakho, ukuzimisela, ukuzinikela, ukunyamezela kwanomsebenzi otya ixesha. Siyayazi ukuba olu hambo asilolwakho kuphela, nanjengoko uninzi luth lwakhenketha nawe. Abo ngabahlobo bakho, abahlohi bakho, amakhankatha, abacebisi, kwakunye nosapho lwakho. Batyale imali kuwe, bekukhokela kwizifundo zakho ze bakukhuthaza ukuba uqhubeke uye phambili. Kodwa ngaphezulu konke, baye bakholelwa kumandla wakho okuphumelela nokuzuza eli phupha lothwes o sidanga.

Namhlanje sibhiyozela hayi nje othe wakuzuza, kodwa okulithemba lokuqhubekela phambili mayelana namandla owathweleyo njengothweswe isidanga kwaye ebengumfundi waseNelson Mandela University.

Imfundo yakho litikiti lakho elikukhokelela ebomini – kwaye ubomi obulithemba lelizwe nezwakazi lethu. Ngaphandle kwamathandabuzo, imfundo, sisiseko sehlabathi elingcono. Okanye, njengokuba eyibeka ngokucace gca uNelson Mandela xa esithi:

“ **Imfundo lelona krele lakhe lanamandla ongathi ulisebenzise ukutshintsha ihlabathi.** ”

Uvuyo lwakho luvuyo lwethu nathi.

Sikothulela umnqwazi kwaye sikuqhwebela izandla ngenzuzo yakho futhi sikunqwenelela impumelelo nakuso nasiphi na isigaba seenzame zobomi bakho, naphi na apho singakusa khona.

Huntshu!

Gradeplegtigheid is 'n belangrike mylpaal in die lewe. Dit is die hoogtepunt van 'n akademiese reis wat jou ambisie, vasberadenheid, toewyding, deursettingsvermoë en veeleisende werk weerspieël. Ons weet dat hierdie reis nie joune alleen is nie, aangesien baie mense saam met jou gereis het, jou vriende, jou lektore, toesig-houers, mentors en jou familie. Hulle het finansieel in jou belê, jou studies gelei en jou aangemoedig om voort te gaan. Maar bowenal het hulle geglo in jou vermoë om sukses te behaal en hierdie droom om te gra-dueer te bereik.

Vandag vier ons nie net wat jy bereik het nie, maar ook dit wat dit vorentoe beloof in terme van jou potensiaal as 'n gegradueerde en alumnus van die Nelson Mandela Universiteit. Jou geleerdheid is jou paspoort na die toekoms – en die toekomshoop van ons land en kontinent. Inderdaad, onderwys is die grondslag vir 'n beter wêreld. Of soos Nelson Mandela dit so welsprekend gestel het:

“ **Onderwys is die magtigste wapen waarmee jy die wêreld kan verander.** ”

Vandag is jou vreugde ook ons vreugde.

Ons salueer en loof jou prestasie en wens jou alle sukses toe vir jou toekomstige ondernemings, waar hulle jou ook al mag neem.

Veels geluk!



Professor Sibongile Muthwa
Vice-Chancellor

OUR CHANCELLOR, VICE-CHANCELLOR AND CHAIR OF COUNCIL



Meet **Dr Geraldine Fraser-Moleketi**, whose experience, commitment and heart for the continent's social and economic transformation are aligned with the goals of Nelson Mandela University.

Throughout her exemplary career, our Chancellor has worked for economic growth that is more sustainable. She has worked in inter-governmental structures, interacted with political leaders, business leaders and civil society, and has been involved in complex negotiations across different issues and sectors.

The titular head of our institution was previously Director of the United Nations Development Programme's (UNDP) Democratic Governance Group (DGP), based in New York, working across six regional centres in more than 100 countries.

Dr Fraser-Moleketi was Minister for Welfare and Population Development in South Africa's first democratic government and went on to serve as a member of the South African Parliament for three consecutive parliaments (1994 through September 2008).

Some of Chancellor's early achievements include participation in the multi-party negotiation process and as Deputy National Coordinator of the ANC's National Elections Commission ahead of the country's first democratic elections.

Our Chancellor serves on various boards, is a fellow of the Institute of Politics, Kennedy School of Government, at Harvard University, holds a master's degree in administration, and has received several awards, including the OP Dwivedi Public Service Award from the International Association of Schools and Institutes of Public Administration.



Professor Sibongile Muthwa is the Vice-Chancellor of Nelson Mandela University. Her second five-year term of office began in April this year.

Professor Muthwa holds a PhD from the School of Oriental and African Studies, University of London, and an MSc in Development Policy and Planning from London School

of Economics and Political Science. The Vice-Chancellor has enjoyed a distinguished career both in South Africa, and internationally, working in both development and public sector institutions, as well as in academia. Between 2010 and 2017 she was the Deputy Vice-Chancellor for Institutional Support, now known as People and Operations, at Nelson Mandela University.

Professor Muthwa served as the Chairperson of Universities South Africa [USAf] a membership organisation representing all South Africa's universities, that promotes and facilitates optimum conditions for universities to operate effectively and contribute to social, cultural and economic development.

She further serves on the Presidential Human Resource Development Council. Prior to joining the University, she served as Director General of the Eastern Cape Provincial Government [2004 and 2010]. Upon her return to South Africa, before joining government, she was Director of the Fort Hare Institute of Government.

She is deeply committed to gender justice, social inclusion and active democratic participation, and accordingly serves on a number of Boards and advisory structures, including from 2014 as a Commissioner of the Financial and Fiscal Commission, and served as its Deputy Chairperson from 2017-2019.

On September 1, 2024, Nelson Mandela University welcomed **Judge Nambitha Dambuza** as its new Chair of Council. Judge Dambuza, a seasoned South African jurist with over 20 years of experience, currently serves as a judge in the Supreme Court of Appeal. She succeeds Ambassador Nozipho January-Bardill, who has served two terms in the role, and steps into this pivotal governance position with a commitment to infuse the principles of justice into her leadership.

Judge Dambuza holds a BProc and LLB from the University of Natal, and an LLM from Tulane University in the United States. Appointed as a judge in the Eastern Cape Division of the High Court in 2005. In 2015 she secured a permanent position in the Supreme Court of Appeal, where she has also served as Deputy President and Acting President. Judge Dambuza's judicial influence includes her role as a convenor of the newly appointed judges' induction

programme under the South African Judicial Education Institute (SAJEI), and she chairs the Rules Board for South African courts.

Judge Dambuza's involvement in education is noteworthy. She is a visiting professor at Rhodes University's Faculty of Law and has a history of leadership in higher education governance. She previously chaired the Council of Walter Sisulu University, playing a critical role in its turnaround strategy following a period of financial instability.

Judge Nambitha Dambuza brings a deep commitment to environmental stewardship and a strong connection to her Eastern Cape roots to her new role at Nelson Mandela University. She has actively engaged in environmental law initiatives, chairing the African Judicial Network on Environmental Law and serving on the Global Judicial Institute on Environmental Law's board. Her passion for the environment aligns with the university's values, particularly in its Ocean Sciences programme, which she views as a unique and valuable asset.

Judge Dambuza is focused on upholding the values of Nelson Mandela—integrity, Ubuntu, and social justice—while ensuring the university continues to produce graduates who can positively impact society. She emphasises the importance of following one's passion in choosing a career, believing that success comes from doing what one loves and excelling at it.



WE ARE NELSON MANDELA UNIVERSITY

As a socially embedded African university in the service of society, we offer a range of life-changing educational experiences, impactful research and innovation, and transformative engagement.

These academic core missions are rooted in and informed by recent milestones in the University's history, such as the 2017 name change to Nelson Mandela University, the Vice-Chancellor's listening campaign, inaugural and Advancing Mandela addresses, and a transversal organisational redesign process.

We offer quality higher education to nearly 32 000 students across seven campuses, making us the largest university in the Eastern and Southern Cape.

What we offer

Nelson Mandela University is a comprehensive university that offers both general formative and professionally orientated academic programmes from certificate to doctoral level.

We have a strong track record in both fundamental and applied research, working extensively in partnership with business, industry, government, and civil society. The institution has 500 study programmes across seven

faculties that are internationally recognised and accredited by the relevant professional bodies. State-of-the-art IT services include WiFi connectivity across all campuses and in numerous off-campus facilities, as well as advanced technological resources and digital aids geared to effective in-person and blended modes of learning and teaching.

Along with a first-class academic education, Nelson Mandela University provides students with a vibrant student life beyond the classroom.

Our campuses

Our seven campuses have a large, ever-increasing footprint, with six in Gqeberha and one in George.

Of these, four are in Summerstrand, one in Bird Street in Central, and one in Missionvale. Our North and South campuses in Summerstrand are located on an 840-hectare private nature reserve.

Our George Campus is on the Garden Route, midway between Nelson Mandela Bay and Cape Town. Set at the foot of the Outeniqua Mountains, our "sustainability" campus is where our ecological footprint meets business acumen for a sustainable future.



FAST FACTS

7 CAMPUSES

North, South, Ocean Sciences, Second Avenue (in Summerstrand) Missionvale (Missionvale), Bird Street (Central), George (George Campus in the Garden Route)

6 INSTITUTIONAL RESEARCH THEMES

382 PROGRAMMES

(From certificate through to doctoral qualifications)

33 152 ENROLLED STUDENTS



STRATEGIC FOCUS AREAS

2 429 PERMANENT EMPLOYEES

801 INTERNATIONAL STUDENTS



43 DIFFERENT COUNTRIES

7 FACULTIES



Business and Economic Sciences



Education



Engineering, the Built Environment and Technology



Health Sciences



Humanities



Law



Science

REASONS TO BE PROUD

Various ground-breaking projects, awards and achievements have given Nelson Mandela University and its staff and students reason to be proud, some of which are included below:

FameLab South Africa 2024 winner

Moved by her grandmother's suffering from a hospital-acquired infection, master's in environmental health student **Yolanda Mbalentle Mngcogo** explored how indigenous knowledge of medicinal plants can be combined with nanoscience to combat modern healthcare challenges.

Through her research she is developing eco-friendly silver nanoparticle filters to enhance hospital air purification systems with the goal of reducing infections and improving patient care for the most vulnerable.

The nanoparticles are environmentally safe, through a special process combining silver and medicinal plants. Her dedication and innovation earned her the title of FameLab South Africa 2024 winner and the opportunity to represent the country on the international stage.



Prof Zingela wins national Women in STEM award

The South African Women in Science Awards announced Nelson Mandela University's Executive Dean of Health Sciences **Prof Zukiswa Zingela**, as its 2024 Distinguished Woman Researcher in August this year.

Prof Zingela was one of 14 national finalists in the SAWISA awards ceremony. The SAWISA theme this year was "transitioning towards an innovation economy: the role of women leaders in science, technology, engineering and mathematics (STEM)".

Professor Zingela, has been recognised for her work across a range of projects, reflecting her innovations in science and achievements in psychiatry.

Earlier this year, Prof Zingela released her book, *EPT to Bloom*, stemming from the EPT programme she developed over the COVID-19 pandemic.

Forestry student awarded Abe Bailey bursary

Master's student in Forestry on George Campus, **Avelile Cishe** is Nelson Mandela University's Abe Bailey travel bursary winner and representative for 2024.

The annual Abe Bailey Travel Bursary runs for three weeks, starting in England and ending in Scotland.

The bursary is awarded to selected South African university students to enhance understanding of different viewpoints, languages and cultures - to encourage leadership and open debate, to experience British Culture and promote South African unity.

Avelile graduated cum laude for both his Diploma in Forestry and his BSc Honours in Natural Resource Management and achieved an average of 81.5% for his Advanced Diploma in Forestry.



PhD student wins category in Forty under 40 SA awards

Reino Erasmus, co-founder of Ampersand and PhD student in Mandela University's Centre for Community Technologies, is the winner of the Science, Technology and Innovation category in the Forty under 40 South Africa Awards.

The awards are aimed at recognising and awarding 40 young leaders under the age of 40 for their outstanding impact across industries, such as technology, finance, agriculture, green energy, and creative sectors, driving growth in South Africa's economy. One of Reino's notable contributions is the eReady ICT Readiness Assessment Tool, developed as part of his research at Mandela University.

This tool assesses a school's readiness for ICT integration, aiming to bridge the digital divide and foster equitable educational opportunities across South Africa.



OUR HISTORY

The former institution was formed in 2005 as a result of the merging of the PE Technikon, the University of Port Elizabeth and the Port Elizabeth campus of Vista University (Vista PE).

The PE Technikon has its roots in the country's oldest art school, the PE Art School founded in 1882; the University of Port Elizabeth (UPE), the country's first dual-medium residential university, came into being on 31 January 1964; and the Port Elizabeth campus of Vista university, which opened up access to higher education for disadvantaged students.

The union of these institutions was part of countrywide restructuring of higher education, intended to deliver a

more equitable and efficient system to meet the needs of South Africa, the continent and the world in the 21st century. Founded on more than a century of quality higher education, Nelson Mandela University nurtures innovation, fosters creativity, embraces technology and develops people to meet the challenges of tomorrow.

Today, Nelson Mandela University is the only university in the world to carry the name of Nelson Rolihlahla Mandela, is a sought-after educational destination and the most diverse university in South Africa.

A full history of the institution is available on our website, along with insights into our namesake.

Office-Bearers of the University

CHANCELLOR

Dr GJ Fraser-Moleketi: MAdmin (*Cum Laude*) (UP), DPhil (*honoris causa*) (Nelson Mandela University), DPhil (*honoris causa*) (NWU)

CHAIRPERSON OF COUNCIL

Judge Nambitha Dambuza: BProc (University of Natal, Durban), LLB (University of Natal, Durban), LLM (Tulane University, New Orleans, Louisiana, USA)

VICE-CHANCELLOR

Prof SW Muthwa: BA (SW) (Fort Hare), BA (SW) Hons (Wits), MSc, PhD (London University, UK)

DEPUTY VICE-CHANCELLOR: ENGAGEMENT AND TRANSFORMATION

Prof A Keet: BA, HDE, BEd, MEd (*Cum Laude*) (UWC), PhD (Edu Manag, Law and Policy) (UP)

DEPUTY VICE-CHANCELLOR: LEARNING AND TEACHING

Dr SF Moeng: BA, HDE, BEdHons (UPE), MSc (St Cloud State University, USA), DEd (NMMU)

DEPUTY VICE-CHANCELLOR: PEOPLE AND OPERATIONS

Mr LP Jack: NDip (PMA) (EC Technikon), BTech (PM) (PET), BAPhil (US), MCom (UKZN)

DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION

Prof A Muronga: BSc, UED (UNIVEN), BScHons, MSc (UCT), PhD (University of Minnesota, USA)

DEAN OF STUDENTS

Ms V Bongela (Acting): BTech Marketing (NMMU), Project Management (Damelin), Management Development Programme (NMMU Business School), Digital Branding Strategy (Vega), Hons Development Studies (Nelson Mandela University)

EXECUTIVE DIRECTOR: FINANCE

Mr MR Monaghan: BCom (UPE), BComHons (UNISA), Professional Accountant (SA)

REGISTRAR

Mr EB De Koker: BA (UCT), BAHons (UNISA), MPA (Pub Admin) (University of Warwick, UK)

PRESIDENT OF ALUMNI ASSOCIATION

Mr S Hlwatika: LLB (NMMU), PGDip (Labour Law Practice), LLM (Labour Law) (Nelson Mandela University)

Executive Deans of Faculties

BUSINESS AND ECONOMIC SCIENCES

Prof HR Lloyd: BCom (UPE), BCom Hons (UPE), MCom (UPE), DCom (UPE)

EDUCATION

Prof HH Sathorar: BCom, HDE (*Cum Laude*), BEd Hons (*Cum Laude*) (UPE), MBA (*Cum Laude*) (NMMU), PhD (Nelson Mandela University)

ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

Prof M Sheldon: BTech BA, MEng (Chemical Engineering), DEng (Chemical Engineering) (CPUT), Pr Tech Eng

HEALTH SCIENCES

Prof Z Zingela: MBChB (Natal), FCPsych (SA), MMed (UP), PhD Psychology (Nelson Mandela University)

HUMANITIES

Prof P Maseko: BA, BAHons (UWC), MA, PhD, PGDip in Higher Ed (RU)

LAW

Dr L Biggs: BCom (Law), LLB (UPE), LLM (Labour Law) (*Cum Laude*), LLD (NMMU)

SCIENCE

Prof ZR Tshentu (Acting): BScHons (UPE), MSc (UPE), PhD (NMMU)

DEAN OF LEARNING AND TEACHING

Dr P Kota-Nyati: BA (Vista), BAHons, MA Couns Psych (UPE), DPhil (Nelson Mandela University)

Order of Proceedings

Entrance of Academic Procession

Moment of Silence

Constitution of Congregation and Welcome

Chancellor

Choral Item

Victoria Park High School Choir

Awarding of Qualifications

Chancellor

Conferring of Doctoral Degrees

Chancellor

Message of Congratulations and Dissolution of Congregation

Chancellor

National Anthem

(The congregation is requested to stand for the singing of the National Anthem)

Departure of Academic Procession

(The congregation is requested to remain standing until the academic procession has left the hall)

* The words *Cum Laude* indicate that the diploma or degree is awarded with distinction to the candidate/s

FACULTY OF LAW

HIGHER CERTIFICATE IN LAW ENFORCEMENT

DLOMO, Hloniphile
DUMZELA, Sinelitha Lisakhanya
GECELO, Indiphile
MANYONGA, Lihle
MANZIYA, Noluvuyo
MAPASA, Liyema
MFANEKISO, Anothando
MKHIZE, Asanda Mandisa
SONGWIQI, Sinovuyo
ZIMELA, Siwalindile

DIPLOMA IN LAW ENFORCEMENT

MKHALALI, Zukhanye
SOXUJWA, Sibulele

BACHELOR OF LAWS

BOKE, Kurhula
DIKISO, Luzuko Lungelo James
GXALA, Abulele
KAMBO, John Kigotho
MAOYI, Teboho
MATARUKA, Sean Anesu Zano
MINTO, Rumé Amber
MOTILE, Abulele Athi-Makaziwe
NETSHIVHAMBE, Livhuwani
NONKWALI, Alungile
NTSEOANE, Amanda Sinoxolo
ONYEAMA, Ijeoma Vanessa
POTELWA, Oneza Kwandile
SELAPYANE, Bokamoso
SOMTOMBO, Lungisa Florence

POSTGRADUATE DIPLOMA IN LABOUR LAW PRACTICE

NGQELENI, Mbuyiseli

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

HIGHER CERTIFICATE IN MECHATRONIC ENGINEERING

GUSHA, Nkazimlo
SPEELMAN, Akhona Siphesihle

DIPLOMA IN ARCHITECTURAL TECHNOLOGY

CHABALALA, Kanimamba Ebenezer
DU PREEZ, Pieter Armand

DIPLOMA IN BUILDING

WILFORD, Alexander James

DIPLOMA IN INFORMATION TECHNOLOGY (SUPPORT SERVICES)

BOLTINA, Unam
GWANGWA, Mmathapelo Ramasela Lekinah
JOZI, Tuleleni
MAZINGI, Sikelela
MOTHOLO, Trudy Dimakatso
MPOMPO, Loyiso
MRAMBA, Zimkhitha
MZOBOTSHE, Thandeka
NGCAMU, Thabiso
POSILITI, Sisa Bahle

NATIONAL DIPLOMA: ENGINEERING: ELECTRICAL

DWADWA, Uviwe
LESEJANE, Thabiso Irish

BACHELOR OF SCIENCE IN CONSTRUCTION ECONOMICS (QUANTITY SURVEYING)

GRIEB, Justin
HOLENI, Mfumo
MKUMATELA, Sibulele
MONA, Amandla
PUTTERGILL, Samuel Thomas

ADVANCED DIPLOMA IN INFORMATION TECHNOLOGY

KALIPA, Nombasa
MALUNGA, Buhle
MHAGA, Chuma

ADVANCED DIPLOMA IN QUALITY MANAGEMENT

KWAYINTO, Lonwabo

BACHELOR OF ENGINEERING TECHNOLOGY IN CIVIL ENGINEERING

NUNWAKHE, Zintle

BACHELOR OF ENGINEERING TECHNOLOGY IN ELECTRICAL ENGINEERING

MAFURENDI, Kelvin
MOYANA, Indiphile
MTIKITIKI, Azile

BACHELOR OF ENGINEERING TECHNOLOGY IN MARINE ENGINEERING

BILLETT, Chante Vorica Jamie
NAREE, Lesedi

BACHELOR OF ENGINEERING TECHNOLOGY IN MECHANICAL ENGINEERING

FATA, Khanyisile
MAKHAFOLA, Daniel
MASEKO, Samson Mandlakayise
MMEMEZI, Bahle

BACHELOR OF SCIENCE IN CONSTRUCTION STUDIES

DUTTON, Maurice
PUTTERGILL, Dylan Angus
RAMASUNGA, Wiseman

BACHELOR OF ENGINEERING TECHNOLOGY HONOURS IN CIVIL ENGINEERING

RASUBA, Khangwelo

BACHELOR OF ENGINEERING TECHNOLOGY HONOURS IN INDUSTRIAL ENGINEERING

LAWLOR, Kaylee Elizabeth

BACHELOR OF ENGINEERING TECHNOLOGY HONOURS IN MECHANICAL ENGINEERING

ANDERSON, Cameron
CHIPETA, Nelson Adams
GRUNEWALD, Cameron Theo
MABONO, Kamva
RENSBURG, Joshua Erran Dennis

FACULTY OF HUMANITIES

DIPLOMA IN PUBLIC MANAGEMENT

DINGEZWENI, Fefekazi
FESI, Peliswa
FREDDIE, Yamkela
FUMBA, Chulumanco
GIYO, Zintle
GQAMLANA, Lakheni
KHUMALO, Nomonde
MBAKAZA, Luyanda
MDONTSWA, Asiphe
MGWETHA, Iviwe
MOFOKENG, Palesa Rachel
NHLENYAMA, Sizeka Nosipho
QORANA, Aviwe
SIBETYU, Sibulele
SIGCAU, Ngomsiolethu
SIHLOBO, Sanele
TEMBE, Ongama
TEYISE, Anathi Anelisiwe
THOMPSON, Joseph Jonathan
TITA, Philile
ZIWA, Tania

BACHELOR OF ADMINISTRATION

BULU, Zintle Ethel
CINANI, Zandiswa
JANTJIES, Camilla
MSUTHU, Mncedi
SIDINILE, Andile Junior

BACHELOR OF ARTS

ADAMS, Stanley
BAMBATA, Yonelisa
BOBO, Asandiswa Abigail
BONENI, Zusiphe
BOTH, Khiara Asa
BUNU, Onawo
BUYS, Emily-Marie
CASSIM, Ameer
CURRIE, Shea
DAVIDS, Josh Henry
DULLABH, Rogini
DZAKWA, Nolitha Nomfesana
FODI, Sibongile
GLADILE, Ongeziwe
GONGQOZAYO, Mazande
HALANA, Papama
HASHE, Awonke
HLANGUZA, Noxolo Anele
KETSHEM, Ziphozihle Dineo
KHUMALO, Busisiwe

LEKGOATHI, Tlakale Mmatshapho
MABOYI, Leroy Tshegofatso
MADYO, Kamvelihle Nontsikelelo
MADZINGA, Adivhaho Beauty
MAGADU, Khanya
MAPHALAKASI, Marlon Nhlaluko
MBATHA, Precious Ntokozo
MBENYA, Asemahle Angel
MDUBEKI, Ayabulela
MKHIZE, Nomfundo Nondumiso
MNISI, Phamela
MOLOPE, Shadi Tshegofatso
MPONGOMA, Nande Buhle
MRWEBI, Bhongo
MSINDWANA, Zizipho
MTOLO, Hombakazi
NDUBE, Mandilakhe
NGEDLE, Afika
NONYASHE, Sibongiseni
NTSALA, Reanetse
PATEL, Taureeq Nicholas
PEPETHA, Baphiwe Sonwabile
RAHLANO, Thato
SELLAR, Cassidy
SIHLEZANE, Ayabonga
SITHOLE, Nkululeko Freedom
SONKWALA, Lime Nomawethu Simphukanyo
STAMPER, Sinovuyo
TOKWE, Umna
VUMAZONKE, Asisipho Anele
VUSIWE, Lindo
ZWELONKE, Bongeka

BACHELOR OF ARTS IN MEDIA, COMMUNICATION AND CULTURE

HLONGWANE, Victoria
HLOPHE, Anelisa
MADLAVANA, Sisanda
MATHABA, Lesego Lucia
NDOVELA, Skhulile
NKUNGWANA, Zimi Tando
TSONI, Yonela

BACHELOR OF VISUAL ARTS

NDZIMANDE, Lumko
STRAUSS, Megan-Lee

BACHELOR OF ARTS HONOURS IN MEDIA STUDIES

MUBAIWA, Chengetai Lisa

BACHELOR OF ARTS HONOURS IN PUBLIC ADMINISTRATION

KHANDANISA, Unathi

LILA, Nonkosi

MANENE, Nomawethu

MGIDLANA, Onwaba

MOSIMANEKGOSI, Didintle Portia

NDATSHE, Yanelisa

SHUDE, Siziphiwe

FACULTY OF HEALTH SCIENCES

DIPLOMA IN SPORT MANAGEMENT

FERREIRA, Aubrey

BACHELOR OF ARTS IN PSYCHOLOGY

HOMU, Marlon

KHOKHOTHOTHO, Dimpho Rebecca

LEDWABA, Sithakgele

MONA, Zizipo

BACHELOR OF PHARMACY

DUBE, Themba Sizwe

BACHELOR OF SOCIAL WORK

NTULI, Zoleka Wendy

FACULTY OF SCIENCE

DIPLOMA IN AGRICULTURAL MANAGEMENT

MAPOMA, Alungile

DIPLOMA IN CHEMICAL PROCESS TECHNOLOGY

MGIDLANA, Siphon

BACHELOR OF SCIENCE

GHEDI ALASOW, Fosi

LENTON, Sive

MYEZA, Lindelwe

NGWANYA, Lelethu Mthikazi

PRETORIUS, Charl John

ADVANCED DIPLOMA IN AGRICULTURAL MANAGEMENT

MPAZIMA, Bukeka Wendy

ADVANCED DIPLOMA IN ANALYTICAL CHEMISTRY

NTSIME, Baxolele

BACHELOR OF COMMERCE HONOURS (COMPUTER SCIENCE AND INFORMATION SYSTEMS)

CORDIER, Jessica-Bianca

FACULTY OF SCIENCE

MASTER OF SCIENCE (RESEARCH)

DE WAAL, Gysbert Nicolaas - **Cum Laude**

(Applied Mathematics)

Title of dissertation:

SOLUTION OF SOME CROSS-DIFFUSION EQUATIONS IN BIOSCIENCES USING FINITE DIFFERENCE METHODS AND ARTIFICIAL NEURAL NETWORKS

Supervisor: Prof AR Appadu

Co-supervisor: Dr CJ Pretorius

DUBE, Tafara Alfred

(Chemistry)

Title of dissertation:

INVESTIGATION OF POTENTIAL IN SITU POLYMERIZATION REACTIONS FOR USE IN LITHIUM-ION BATTERIES

Supervisor: Prof EE Ferg

Co-supervisor: Dr X van Niekerk

HOEKSTRA, Shaun Pierre - **Cum Laude**

(Zoology)

Title of dissertation:

PORTFOLIO EFFECT AND BET HEDGING ADAPTIONS IN SEA TURTLES

Supervisor: Prof R Nel

JACOB, Siphosethu

(Chemistry)

Title of dissertation:

ENHANCEMENT OF CARBON BLACK RECOVERED FROM WASTE TYRES FOR INDUSTRIAL RUBBER APPLICATIONS

Supervisor: Prof SP Hlangothi

Co-supervisor: Mr LL Bolo

KLAVER, Michael - **Cum Laude**

(Nature Conservation)

Title of dissertation:

COLLABORATIVE CONSERVATION GOVERNANCE IN MULTIFUNCTIONAL LANDSCAPES: A CONTEXTUAL ANALYSIS OF TWO SOUTH AFRICAN BIOSPHERE RESERVES IN THE BOLAND

Supervisor: Dr ABL Currie-Killick

Co-supervisor: Dr K Coetzer

Co-supervisor: Dr JG Sekonya

KOZA, Norma Nondumiso

(Chemistry)

Title of dissertation:

FORMULATION OF FISH FEED FOR AQUACULTURE USING OLIVE POMACE EXTRACT AS AN ANTIOXIDANT

Supervisor: Dr NM Vorster

McFarlane, Duncan William - **Cum Laude**

(Chemistry)

Title of dissertation:

SUPRAMOLECULAR CHEMISTRY CONSIDERATION OF FLUORENYL-DERIVED HOST COMPOUNDS

Supervisor: Prof B Barton

O'CONNELL, Tristin Wade - **Cum Laude**

(Geology)

Title of dissertation:

GROUND- AND MARINE WATER INPUTS INTO SUPRATIDAL MICROBIALITE SYSTEMS ALONG THE NELSON MANDELA BAY COASTLINE

Supervisor: Mr CR Anderson
Co-supervisor: Dr GM Rishworth
Co-supervisor: Dr C Dodd

QOMFO, Vuyiseka

(Chemistry)

Title of dissertation:

SYNTHESIS, X-RAY CHARACTERIZATION, SPECTROSCOPIC AND HIRSCHFIELD SURFACE ANALYSIS OF DIMERIC METAL CENTERS FEATURING PHENACYL-ESTERS

Supervisor: Dr R Betz
Co-supervisor: Mr L Ndima

RECCHIA, Daniella Loridana - **Cum Laude**

(Chemistry)

Title of dissertation:

SYNTHESIS OF TWO TARTARIC ACID-DERIVED HOST COMPOUNDS AND THEIR BEHAVIOUR IN MIXED PYRIDINES AND MIXED HETEROCYCLIC GUEST COMPOUNDS

Supervisor: Prof B Barton

SWART, Nicolas

(Agriculture)

Title of dissertation:

STUDIES ON SOIL ACIDITY MANAGEMENT STRATEGIES FOR SUSTAINABLE AGRICULTURE

Supervisor: Dr E Dube
Co-supervisor: Mr JW Jordaan

VAN DER MERWE, Vicky

(Biochemistry)

Title of dissertation:

SCREENING DRUG CANDIDATES FOR SARS-COV-2 SPIKE PROTEIN VARIANTS WITHIN THE SANCDB (SOUTH AFRICAN NATURAL COMPOUNDS DATABASE) AND DRUGBANK

Supervisor: Prof V Oosthuizen

VILJOEN, Zenobia

(Biochemistry)

Title of dissertation:

THE INHIBITORY EFFECTS OF CANNABINOIDS FROM CANNABIS SATIVA ON THE ENZYMES DIPEPTIDYL PEPTIDASE-IV, SUCRASE AND MALTASE AS A NEW THERAPEUTIC TREATMENT FOR TYPE 2 DIABETES

Supervisor: Prof CL Frost

MASTER OF SCIENCE IN NANOSCIENCE (RESEARCH)

MULOVHEDZI, Rolivhuwa - **Cum Laude**

Title of dissertation:

GRAPHENE@MICROALGAE-BASED NANOHYBRID STRUCTURES AS ADSORBENTS FOR REMOVAL OF CR(VI) IONS IN AQUEOUS SOLUTIONS

Supervisor: Prof SD Mhlanga
Co-supervisor: Dr AS Ogunlaja
Co-supervisor: Dr K Yokwana

FACULTY OF LAW

MASTER OF LAWS (COURSEWORK)

AUGUST, Joshua Cliff

(Labour Law)

Title of treatise:

THE REVIEW OF A DISCIPLINARY FINDING OR SANCTION IN TERMS OF SECTION 158(1)(H) OF THE LABOUR RELATIONS ACT 66 OF 1995

Supervisor: Prof JA van der Walt

DAVIDS, Sesam Isipho

Title of treatise:

THE LEGALITY OF EUTHANASIA CONDUCTED BY MEDICAL PRACTITIONERS

Supervisor: Dr M Welgemoed

GAVU, Siphelele

(Labour Law)

Title of treatise:

AMENDMENTS TO THE LABOUR LAW RELATIONS ACT 66 OF 1995 TO ADDRESSING VIOLENT AND INTRACTABLE STRIKES

Supervisor: Dr H Hamukuaya

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

MASTER OF ENGINEERING IN ELECTRICAL ENGINEERING (RESEARCH)

TSHABENI, Thulisa Nonopha

Title of dissertation:

LOW-INCOME AREA ELECTRIFICATION SYSTEMS

Supervisor: Prof PA Freere

Co-supervisor: Dr K Reddy

MASTER OF PHILOSOPHY IN INFORMATION TECHNOLOGY GOVERNANCE (COURSEWORK)

MADOTYENI, Hlalanathi

Title of treatise:

A STRATEGY FOR CYBERSECURITY VULNERABILITY MANAGEMENT IN THE SOUTH AFRICAN RETAIL SECTOR

Supervisor: Prof LA Fatcher

Co-supervisor: Mr G Kudyachete

MAGADE, Siyabonga

Title of treatise:

A STRATEGY TOWARDS AN IT GOVERNANCE-FOCUSED IMPLEMENTATION OF EGOVERNMENT INITIATIVES IN THE EASTERN CAPE PROVINCIAL GOVERNMENT

Supervisor: Prof PMJ Delport

MASTER OF SCIENCE IN THE BUILT ENVIRONMENT (COURSEWORK)

BABA, Vuyiseka

(Project Management)

Title of treatise:

POOR CONTRACTOR PERFORMANCE IN PUBLIC SECTOR SCHOOLS INFRASTRUCTURE

Supervisor: Dr F Simpeh

FACULTY OF HUMANITIES

MASTER OF ARTS (RESEARCH)

DU PLESSIS, Amberleigh - **Cum Laude**

(Graphic Design)

Title of dissertation:

COMMUNICATING POSITIVE REPRESENTATIONS OF WHEELCHAIR USER'S DISABILITY IDENTITIES THROUGH ILLUSTRATION AND PARTICIPATORY DESIGN

Supervisor: Prof BS Cadle

KATE, Siyanda

(Political Studies)

Title of dissertation:

THE ADOPTION OF DEVELOPMENTAL LOCAL GOVERNMENT FUNCTIONS IN MUNICIPALITIES OF THE EASTERN CAPE: A CASE OF ALFRED NZO DISTRICT MUNICIPALITY

Supervisor: Dr O Mtimka

MAQHUBU, Mantseoane Elizabeth

(Anthropology)

Title of dissertation:

AN ANTHROPOLOGICAL INQUIRY INTO INTERGENERATIONAL FASHION INFLUENCES ON DAUGHTERS/SONS: SELECTED CASES IN SOUTH AFRICA

Supervisor: Prof DL Bogopa

SOBANTU, Zizo

(Anthropology)

Title of dissertation:

THE DANGERS OF NEGLECTING INDIGENOUS GAMES: THE CASE OF ZIMBANE VILLAGE

Supervisor: Prof DL Bogopa

YOLA, Siyabonga

(History)

Title of dissertation:

A HISTORICAL STUDY OF MOTHERWELL WITH SPECIFIC REFERENCE TO THE DEVELOPMENT OF SEGREGATED HOUSING IN THE CITY OF PORT ELIZABETH FROM 1980 ONWARDS

Supervisor: Dr VR Kumalo

MASTER OF MUSIC (RESEARCH)

PUNGU-PUNGU, Phakamani Patrick

Title of dissertation:

SONG LYRICS AND PROTEST DISCOURSE: THE ROLE OF MUSIC IN STRUGGLE POLITICS IN SOUTH AFRICA

Supervisor: Prof AC de Villiers

MASTER OF MUSIC IN PERFORMING ARTS (COURSEWORK)

MCLACHLAN, Elanie - **Cum Laude**

Title of treatise:

A CRITICAL ANALYSIS OF THE MUSIC EDUCATOR'S ROLE IN MANAGING ADOLESCENT MUSIC PERFORMANCE ANXIETY

Supervisor: Dr EP Cloete

MASTER OF PUBLIC ADMINISTRATION (COURSEWORK)

LEBEA, Talamo Daphney

Title of treatise:

AN ASSESSMENT OF THE MANAGEMENT OF E-LEARNING PROGRAMMES IN SELECTED PUBLIC HIGH SCHOOLS IN LIMPOPO

Supervisor: Dr A Jakoet-Salie

PHINDA, Sinazo Bukeka

Title of treatise:

AN ASSESSMENT OF THE DISBURSEMENT OF GOVERNMENT FUNDING FOR SMALL, MEDIUM, AND MICRO ENTERPRISES IN THE MANUFACTURING SECTOR IN NELSON MANDELA BAY

Supervisor: Dr A Jakoet-Salie

FACULTY OF HEALTH SCIENCES

MASTER OF ARTS IN CLINICAL PSYCHOLOGY (COURSEWORK)

MAYTHAM, Lauren Kyle

Title of treatise:

YOUNG ADULTS' USE OF SOCIAL MEDIA PLATFORMS IN MAINTAINING PASSION AND INTIMACY WITHIN ROMANTIC LOVE RELATIONSHIPS

Supervisor: Dr T Lambert

PHAKANE, Siphokazi

Title of treatise:

EXPLORING THE NATURE OF THE PARENT-CHILD RELATIONSHIP AND WELL-BEING OF ADOLESCENTS IN FAMILIES WITH A CURRENT HISTORY OF MATERNAL MENTAL ILLNESS IN A SEMI-URBAN AREA IN EAST LONDON, EASTERN CAPE

Supervisor: Dr TEZ Mabusela

MASTER OF ARTS IN COUNSELLING PSYCHOLOGY (COURSEWORK)

KLAAS, Fihliwe Michelle

Title of treatise:

XHOSA DIVINERS (AMAGQIRHA) AND THE TREATMENT OF MENTAL ILLNESSES: AN EXPLORATORY STUDY OF THE LIVED EXPERIENCES OF TRADITIONAL HEALERS (AMAGQIRHA KWAXHOSA) WITH PATIENTS PRESENTING WITH MENTAL ILLNESSES

Supervisor: Mr I Lekganya

SEMONO, Valery Reneilwe

Title of treatise:

EXPLORING AMBIGUITY IN THE CONSTRUCTION OF PROFESSIONAL COMPETENCE AMONGST XHOSA SPEAKING EARLY CAREER PSYCHOLOGISTS

Supervisor: Dr A Sandison

MASTER OF SCIENCE IN ENVIRONMENTAL HEALTH (RESEARCH)

NTUNJA, Alive - **Cum Laude**

(Environmental Health)

Title of dissertation:

IMPACT OF AN EDUCATIONAL INTERVENTION ON HYGIENE KNOWLEDGE AND PRACTICES AMONG MUNICIPAL WASTE AND SANITATION WORKERS IN NELSON MANDELA BAY, SOUTH AFRICA

Supervisor: Prof PE Melariri

Co-supervisor: Ms JA Teare

Co-supervisor: Dr WH ten Ham-Baloyi

MASTER OF ARTS IN PSYCHOLOGY (RESEARCH)

BUX, Shezadia

Title of dissertation:

EXPLORING CULTURAL CONTEXT AND MASCULINE IDEALS: IMPLICATIONS FOR MALE MENTAL HEALTH HELP-SEEKING IN SOUTH AFRICA

Supervisor: Prof Y Ally

MASTER OF NURSING (COURSEWORK)

WABANE, Malibongwe

(Advanced Midwifery and Neonatal Nursing Science)

Title of treatise:

EXPERIENCES OF ACCOUCHEURS CARING FOR WOMEN DURING CONFINEMENT IN PUBLIC MATERNITY UNITS IN THE OR TAMBO DISTRICT MUNICIPALITY

Supervisor: Dr L Smith
Co-supervisor: Ms BL Adams

MASTER OF NURSING (RESEARCH)

BLATTI, Jenny

Title of dissertation:

EXPLORING RESILIENCE IN UNDERGRADUATE NURSING STUDENTS AT A NURSING EDUCATION INSTITUTION IN THE EASTERN CAPE, SOUTH AFRICA

Supervisor: Dr L Smith
Co-supervisor: Ms ASF Du Plessis

DE VEGA, Jaunita Martina

Title of dissertation:

UNDERGRADUATE BACHELOR OF NURSING STUDENTS' LEARNING EXPERIENCES OF THE OPERATING ROOM ENVIRONMENT IN PUBLIC AND PRIVATE HOSPITALS IN THE EASTERN CAPE

Supervisor: Dr DG Morton
Co-supervisor: Ms BL Adams

MASTER OF PHARMACY (RESEARCH)

OWINO, Dennis Omondi

Title of dissertation:

THE IMPACT OF PHARMACIST LED ANTIMICROBIAL STEWARDSHIP ACTIVITIES ON THE PRESCRIBING PATTERN OF ANTIBIOTICS IN A LEVEL ONE RURAL PUBLIC HOSPITAL

Supervisor: Dr NT Kubashe
Co-supervisor: Prof SF Burton

STARK, Nicole Jade

Title of dissertation:

INVESTIGATING THE PURPORTED MEDICINAL PROPERTIES OF CANNABINOID CONTAINING PRODUCTS AVAILABLE FOR HUMAN CONSUMPTION IN SOUTH AFRICA

Supervisor: Dr NT Kubashe
Co-supervisor: Prof CL Frost

MASTER OF SCIENCE (RESEARCH)

KEEN, Michaela

(Dietetics)

Title of dissertation:

KNOWLEDGE, ATTITUDES AND PRACTICES OF MOTHERS REGARDING THE DIETS OF THEIR CHILDREN (0-24 MONTHS) IN COLESBERG, NORTHERN CAPE

Supervisor: Prof A Gresse

FACULTY OF HEALTH SCIENCES

DOCTOR OF NURSING

ATINGA, Ba-Etilayoo

Title of thesis:

STRATEGIES TO OPTIMIZE QUALITY OF NURSING CARE OF PATIENTS IN PUBLIC HOSPITALS IN THE BONO REGION, GHANA

Supervisor: Dr WH ten Ham-Baloyi

Co-supervisor: Dr N Radana

MBOMBI, Masenyani Oupa

Title of thesis:

A MODEL TO FACILITATE NURSING RESEARCH SUPERVISORS IN ASSISTING POSTGRADUATE NURSING STUDENTS WITH TIMEOUS COMPLETION OF STUDIES IN GAUTENG PROVINCE

Supervisor: Prof S James

Co-supervisor: Prof EJ Ricks

DOCTOR OF PHILOSOPHY

FORDJOUR AFRIYIE, Vera

(Dietetics)

Title of thesis:

A RELEVANT INTERVENTION ON NUTRITION TRANSITION AMONG isiXHOSA SPEAKING PEOPLE IN NELSON MANDELA BAY

Supervisor: Prof A Gresse

DOCTOR OF PHILOSOPHY IN PSYCHOLOGY

YEW-SIONG, Lauren Cindy

Title of thesis:

EXTENDING PSYCHOLOGICAL PRAXIS WITHIN SOUTH AFRICA: EXPLORING HEALERS' PERCEPTIONS OF TREATMENT PLURALITY

Supervisor: Prof Y Ally

Co-supervisor: Prof JO August

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

DOCTOR OF ARCHITECTURE IN CONSTRUCTION MANAGEMENT

MUSAH, Abdul-Razak

Title of thesis:

CONSTRUCTION MATERIAL WASTE CONTROL SUCCESS MODEL FOR THE CONSTRUCTION INDUSTRY

Supervisor: Prof B Botha

Co-supervisor: Prof DA Els

Co-supervisor: Dr MC Mewomo

FACULTY OF HUMANITIES

DOCTOR OF PHILOSOPHY

MONAKALI, Robin Elizabeth

(Conflict Management)

Title of thesis:

CONFLICT MANAGEMENT MECHANISMS FOR WORKPLACE HARASSMENT: A CASE STUDY OF A PROVINCIAL GOVERNMENT DEPARTMENT OF BASIC EDUCATION IN JOHANNESBURG, SOUTH AFRICA

Supervisor: Prof DL Bogopa

NDAYI, Viwe

(Media Studies)

Title of thesis:

A CRITICAL ANALYSIS OF REPRESENTATIONS OF DISABILITY ON SOUTH AFRICAN PUBLIC UNIVERSITY WEBSITES

Supervisor: Dr B du Plooy
Co-supervisor: Prof S Moodley

SNYMAN, Grant

(Music)

Title of thesis:

AN ANNOTATED CATALOGUE AND PEDAGOGICAL APPROACH TO CLARINET MUSIC BY SOUTHERN AFRICAN COMPOSERS: 1995-2022

Supervisor: Prof AC de Villiers

FACULTY OF SCIENCE

DOCTOR OF PHILOSOPHY

DE LA HARPE, Amy Lynne

(Biochemistry)

Title of thesis:

CHARACTERIZATION OF THE MOLECULAR MECHANISM(S) OF CANNABINOID-INDUCED PARAPTOSIS IN BREAST CANCER CELLS

Supervisor: Prof CL Frost

Co-supervisor: Dr N Beukes

DIDLOFF, Jenske

(Microbiology)

Title of thesis:

GYMNOPIUS JUNONIUS AND RHODOFOMITOPSIS LILACINOGILVA: IN VITRO EVALUATION OF ANTIMYCOBACTERIAL ACTIVITY, SAFETY ASSESSMENT AND ISOLATION OF ACTIVE COMPOUNDS

Supervisor: Dr S Govender

Co-supervisor: Prof M van de Venter

HECHTER, Ullrich

(Nature Conservation)

Title of thesis:

THE OPTIMISATION OF EUCALYPTUS REGENERATION PRACTICES FOR IMPROVED SURVIVAL, GROWTH AND UNIFORMITY IN SOUTH AFRICAN PULP-WOOD PLANTATIONS

Supervisor: Prof KM Little

Co-supervisor: Dr J Moreno Chan

Co-supervisor: Dr JW Crous

HONIBALL, Terry-Lee

(Nature Conservation)

Title of thesis:

SOCIAL DYNAMICS OF SPOTTED HYAENAS (CROCUTA CROCUTA) IN FENCED PROTECTED AREAS: IMPLICATIONS FOR CONSERVATION MANAGEMENT OF A SOCIALLY INTELLIGENT SPECIES

Supervisor: Prof JA Venter

Co-supervisor: Prof H Fritz

Co-supervisor: Dr M Valeix

Co-supervisor: Prof L Swanepoel

KEPE, Lulama Patrick

(Mathematical Statistics)

Title of thesis:

DEVELOPMENT OF DENSITY-DEPENDENT AND DENSITY-INDEPENDENT COMPETITION MODELS TO UNDERSTAND SINGLE TREE GROWTH RESPONSES IN EUCALYPTUS STANDS

Supervisor: Dr J Hugo

Co-supervisor: Prof KM Little

KUNJUZA, Dumani Tau

(Computer Science)

Title of thesis:

A FRAMEWORK FOR DESIGNING A GAMIFIED SYSTEM THAT PROMOTES KNOWLEDGE OF WATER SUSTAINABILITY

Supervisor: Prof BM Scholtz

Co-supervisor: Dr IO Fashoro

MABUTO, Briswell

(Chemistry)

Title of thesis:

TOUGHENED WOOD PLASTIC COMPOSITES FOR LOW TECHNOLOGY AND ADVANCED MANUFACTURING APPLICATIONS

Supervisor: Prof SP Hlangothi

MC GREGOR, Steven

(Zoology)

Title of thesis:

ASSOCIATIONS BETWEEN PATTERNS OF WILD UNGULATE PATCH USE, SOIL CARBON AND ALBEDO IN MONTANE GRASSLANDS

Supervisor: Prof GIH Kerley

Co-supervisor: Prof PGM Crooms

Co-supervisor: Prof M te Beest

MKWAKWI, Kwakhanya

(Chemistry)

Title of thesis:

A MULTISTEP SYNTHESIS OF ZIDOVUDINE IN CONTINUOUS FLOW SYSTEMS

Supervisor: Prof P Watts

SAGANDIRA, Mellisa Brenda

(Chemistry)

Title of thesis:

EXPLOITING CONTINUOUS FLOW TECHNOLOGY TO DEVELOP SYNTHETIC PROCESSES FOR ACTIVE PHARMACEUTICAL INGREDIENTS: PRILOCAINE AND BETRIXABAN

Supervisor: Prof P Watts

DOCTORAL CITATIONS

THE DEGREE OF DOCTOR OF NURSING

BA-ETILAYOO ATINGA

Previous qualifications:

2003	Registered General Nursing	Presbyterian Nurses' Training College, Bawku, Ghana
2008	Diploma (Nursing)	University of Ghana, Legon, Ghana
2010	BSc (Nursing)	Kwame University of Sc and Tech, Ghana
2017	MPhil (Anatomy and Forensic Science)	Kwame University of Sc and Tech, Ghana
2023	MEd (Teaching in Higher Education)	University of Cape Coast, Ghana



Thesis:

STRATEGIES TO OPTIMIZE QUALITY OF NURSING CARE OF PATIENTS IN PUBLIC HOSPITALS IN THE BONO REGION, GHANA

The quality of nursing care is crucial for achieving positive patient outcomes and satisfaction. However, in Ghana's public hospitals, particularly in the Bono region, nursing care standards often do not meet expectations. This qualitative, exploratory, descriptive, and contextual study developed the ICARE strategies, an acronym for: Implementing organizational strategies, Commitment to best practices, Augmenting patient outcomes, Rendering holistic and patient-centred care, and Enhancing resources and support. By adopting these strategies, stakeholders can improve the quality of nursing care for patients in public hospitals within the Sunyani municipality, ultimately enhancing healthcare delivery in the Bono region of Ghana.

Supervisor: Dr WH ten Ham-Baloyi
Co-supervisor: Dr N Radana

THE DEGREE OF DOCTOR OF NURSING

MASENYANI OUPA MBOMBI

Previous qualifications:

2008 BCur
2012 MNursing
2013 Postgraduate Diploma (Nursing Education)

University of Limpopo
University of Limpopo
North-West University



Thesis:

A MODEL TO FACILITATE NURSING RESEARCH SUPERVISORS IN ASSISTING POSTGRADUATE NURSING STUDENTS WITH TIMEOUS COMPLETION OF STUDIES IN GAUTENG PROVINCE

This study was conducted to address the delayed progress of postgraduate students in completing their research studies at universities. The study is grounded on the Model for Supervisor Interpersonal Behaviour and the Theory of Reasoned Behaviour. The qualitative research design adopted and thematic content analysis of data collected from postgraduate research students and supervisors yielded four themes namely: various barriers to research progress and

optimum supervision, mixed emotions about the postgraduate journey, diverse support systems for research studies, and a need to adequately prepare students and research supervisors. The conceptual framework pointed to a need for preparedness of postgraduate students and supervisors for a joint research journey to facilitate timeous completion of studies in Gauteng Province but not limited to that province only. The study findings support the research activities stipulated in the South African Higher Educational Ministerial Statement on University Capacity Development 2021 2023 plan that aimed to transform the research practices and increase the number of candidates with a PhD qualification.

Supervisor: Prof S James
Co-supervisor: Prof EJ Ricks

THE DEGREE OF DOCTOR OF PHILOSOPHY (DIETETICS)

VERA FORDJOUR AFRIYIE

Previous qualifications:

2013 BSc Dietetics

2017 MSc Dietetics

Stellenbosch University

Nelson Mandela University



Thesis:

*A RELEVANT INTERVENTION ON NUTRITION
TRANSITION AMONG ISIXHOSA-SPEAKING
PEOPLE IN NELSON MANDELA BAY*

This doctoral thesis investigated the nutrition transition within the Nelson Mandela Bay (NMB) community, identifying a significant decline in traditional food knowledge and practices due to urbanisation, economic constraints, and lack of awareness about the nutritional benefits of the traditional diets. Employing a multi-method approach, the study documents these shifts and developed a culturally tailored educational intervention. The intervention successfully improved dietary diversity, something that is very difficult to achieve, and reintegrated traditional foods into daily diets. This thesis

significantly contributes to public health nutrition by offering a model for community-driven strategies to mitigate the effects of nutrition transition, with practical recommendations for policy and future research.

Supervisor: Prof A Gresse

THE DEGREE OF DOCTOR OF PHILOSOPHY (PSYCHOLOGY)

LAUREN CINDY YEW-SIONG

Previous qualifications:

2016	National Diploma: Fine Art	Nelson Mandela Metropolitan University
2018	Bachelor of Arts Psychology	Nelson Mandela University
2019	BA Psychology (Hons)	Nelson Mandela University
2020	MA Psychology (Research)	Nelson Mandela University



Thesis:

EXTENDING PSYCHOLOGICAL PRAXIS WITHIN SOUTH AFRICA: EXPLORING HEALERS' PERCEPTIONS OF TREATMENT PLURALITY

This study used qualitative methods to explore treatment plurality among psychologists, psychiatrists, and traditional healers. Findings revealed the need for collaboration, education, ethical considerations, and government support. Bridging Western and traditional approaches is vital but lacks resources and policies. Based on the findings, it encouraged the researcher to develop guidelines for the provision of collaborative care in mental healthcare services; guidelines for South African governmental policy that fosters pluralism and collaborative care in the mental healthcare system; a pluralistic medical aid scheme; a module blueprint that could potentially be included in a professional master's programme, as well as the inclusion of a theory that the researcher has developed, named the *Pluralism-oriented Mental Healthcare Theory*.

Supervisor: Prof Y Ally
Co-supervisor: Prof JO August

THE DEGREE OF DOCTOR OF ARCHITECTURE IN CONSTRUCTION MANAGEMENT

ABDUL RAZAK MUSAH

Previous qualifications:

2005	Higher National Diploma, Building Technology	Tamale Technical University
2015	BTech (Construction Management)	Nelson Mandela Metropolitan University
2019	MSc (Built Environment)	Nelson Mandela University



Thesis:

*CONSTRUCTION MATERIAL WASTE CONTROL SUCCESS
MODEL FOR THE CONSTRUCTION INDUSTRY*

Most of the waste in the construction industry is poorly managed, thus triggering significant project failure problems, leading to stakeholders losing the value of their investment. The primary objective of this study was to develop a perceived successful construction material waste control implementation model to be used by construction project professionals throughout the project management phases, initiation, planning, execution, monitoring, control and closure. A quantitative survey instrument (questionnaire) was used to survey construction industry professionals. Structural equation modelling (SEM) was used to analyse the questionnaire data, assisting the research to clearly define latent constructs

statistically significant to the construction material waste control implementation model. Introducing the model into the construction industry provides another dimension to the construction material waste control implementation concept.

Supervisor: Prof B Botha
Co-supervisors: Prof DA Els
Dr MC Mewomo

THE DEGREE OF DOCTOR OF PHILOSOPHY (CONFLICT MANAGEMENT)

ROBIN ELIZABETH MONAKALI

Previous qualifications:

2015	Bachelor of Arts	Nelson Mandela Metropolitan University
2016	Bachelor of Arts (Hons) (Political Sciences)	University of South Africa
2019	MA (Conflict Transformation and Management)	Nelson Mandela University



Thesis:

CONFLICT MANAGEMENT MECHANISMS FOR WORKPLACE HARASSMENT: A CASE STUDY OF A PROVINCIAL GOVERNMENT DEPARTMENT OF BASIC EDUCATION IN JOHANNESBURG, SOUTH AFRICA

Workplace harassment remains a significant concern globally, affecting organizational culture and employee well-being. In this doctoral thesis, entitled "*Conflict Management Mechanisms for Workplace Harassment: A Case Study of a Provincial Government Department in Johannesburg, South Africa*", an integrated conflict management framework

which emphasizes both prevention and intervention strategies to manage workplace harassment has been developed. This study has made a scholarly contribution to the field of conflict management, exploring workplace harassment as a form of conflict.

Supervisor: Prof DL Bogopa

THE DEGREE OF DOCTOR OF PHILOSOPHY (MEDIA STUDIES)

VIWE NDAYI

Previous qualifications:

2014	BA (Media, Communication and Culture)	Nelson Mandela Metropolitan University
2016	BA (Hons) Corporate Communication	Nelson Mandela Metropolitan University
2018	MA Media Studies	Nelson Mandela University



Thesis:

*A CRITICAL ANALYSIS OF REPRESENTATIONS OF
DISABILITY ON SOUTH AFRICAN PUBLIC
UNIVERSITY WEBSITES*

Compared to race and gender, representations of disabilities on higher education media platforms are insufficiently problematised. This study critically analysed representations of disabilities on websites of the 26 South African public universities during national Disability Rights Awareness Month (DRAM) in 2019 and 2020. Conceptually and analytically, the study borrowed concepts from Judith Butler (“bodies that matter”); Gabeba Baderoon (“ambiguous visibility”) and Nirmal Puwar (“space invaders”) and used Framing Theory to consider hyper-visibility, ambiguous visibility, and

invisibility. The study found very limited representation, in many cases none and cautions against simplistic media frames that may reinforce dominant media stereotypes.

Supervisor: Dr B du Plooy
Co-supervisor: Prof S Moodley

THE DEGREE OF DOCTOR OF PHILOSOPHY (MUSIC)

GRANT SNYMAN

Previous qualifications:

2014	ATCL, Associate in Clarinet Performance	Trinity College of Music, London
2015	Bachelor of Music Performing Arts, (<i>Cum Laude</i>)	NMMU
2017	LTCL, Licentiate in Clarinet Performance	Trinity College of Music, London
2017	Masters of Music, Choral Conducting	Nelson Mandela University
2022	PGCE, FET	STADIO
2023	LRSM (Licentiate in Clarinet Performance)	Royal Schools of Music, London



Thesis:

AN ANNOTATED CATALOGUE AND PEDAGOGICAL APPROACH TO CLARINET MUSIC BY SOUTHERN AFRICAN COMPOSERS: 1995-2022

This research addresses the cataloguing of Southern African music written for the clarinet, with further investigation into the performance practice and clarinet pedagogy. The findings from the study, reveal that there was a deep desire for a central and easily accessible catalogue, where clarinetists could access information not only about the music, but on how to connect and engage with the composers. Secondly, it has created an awareness to over 160 composers from the region. The catalogue presented is inclusive and diverse not only in the country, but in religion, race, gender, cultural identity, musical style and compositional identity. Thirdly, it has provided suggested teaching methods for facilitating preparation, interpretation, and informed approaches to performing Southern African compositions. The study contributes valuable information for institutions about the impact they serve, in promoting and creating a diverse and transformative clarinet pedagogy.

Supervisor: Prof AC de Villiers

THE DEGREE OF DOCTOR OF PHILOSOPHY (BIOCHEMISTRY)

AMY LYNNE DE LA HARPE

Previous qualifications:

2017	Bachelor of Science in Biochemistry and Microbiology	Nelson Mandela University
2017	Bachelor of Science (Hons) in Biochemistry	Nelson Mandela University
2020	Master of Science in Biochemistry	Nelson Mandela University



Thesis:

CHARACTERIZATION OF THE MOLECULAR MECHANISM(S) OF CANNABINOID-INDUCED PARAPTOSIS IN BREAST CANCER CELLS

This study investigated the potential for cannabinoids to be used in breast cancer treatment. The investigation revealed that a particular cannabinoid ratio was able to induce a unique mechanism of cell death in hormone receptor-positive breast cancer. She investigated various mechanisms, and the data indicated that the mechanism of cell death induced by the cannabinoid ratio was a recently discovered mechanism called paraptosis. Her work has been

well received in the field through international conference presentations and research publications. More importantly, it contributes to building a knowledge base for people living with cancer and highlights the potential for cannabinoids to be used in cancer treatment.

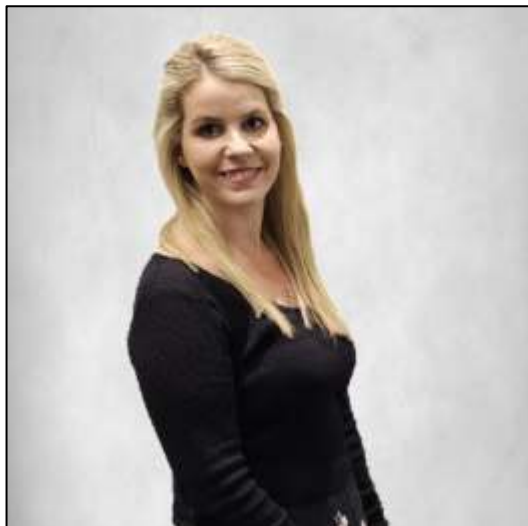
Supervisor: Prof CL Frost
Co-supervisor: Dr N Beukes

THE DEGREE OF DOCTOR OF PHILOSOPHY (MICROBIOLOGY)

JENSKE DIDLOFF

Previous qualifications:

2015	BSc (Biochemistry and Microbiology)	Nelson Mandela Metropolitan University
2015	BSc (Hons) (Microbiology)	Nelson Mandela Metropolitan University
2018	MSc, Microbiology (<i>Cum Laude</i>)	Nelson Mandela University



Thesis:

*GYMNOPILUS JUNONIUS AND
RHODOFOMITOPSIS LILACINOILVA: IN
VITRO EVALUATION OF ANTIMYCOBACTERIAL
ACTIVITY, SAFETY ASSESSMENT AND
ISOLATION OF ACTIVE COMPOUNDS*

The aim of this study was to isolate, identify, and characterise bioactive compound(s) within ethanol fruiting body extracts of *G. junonius* and *R. lilacinogilva*, and to investigate their mechanism of action and potential toxicity using *in vitro* and *in vivo* screening methods. This research reports novel findings on the antimycobacterial properties of

gymnopilene isolated from *G. junonius* which caused ultrastructural damage to *Mycobacterium tuberculosis* cell walls. Furthermore, the study contributes new knowledge to our understanding of the toxicity profiles of the active compounds and the potential of macrofungi species as a resource of antimycobacterial compounds.

Supervisor: Dr S Govender
Co-supervisor: Prof M van de Venter

THE DEGREE OF DOCTOR OF PHILOSOPHY (NATURE CONSERVATION)

ULLRICH HECHTER

Previous qualifications:

2015 NDip: Forestry (*Cum Laude*)
2017 BTech: Forestry (*Cum Laude*)
2019 MSc: Forestry (*Cum Laude*)

Nelson Mandela Metropolitan University
Nelson Mandela University
Nelson Mandela University



Thesis:

*THE OPTIMISATION OF EUCALYPTUS
REGENERATION PRACTICES FOR IMPROVED
SURVIVAL, GROWTH AND UNIFORMITY IN SOUTH
AFRICAN PULP-WOOD PLANTATIONS*

The purpose of this study was to optimize re-establishment practices in South African *Eucalyptus* pulp-wood plantations, for improved survival, growth and uniformity. Poor survival during the re-establishment phase can result in the loss of pulp yields and profits at rotation-end to commercial forestry companies. Determining the causes of tree mortality is difficult as there are several interacting factors which may contribute to poor survival, especially during the re-establishment phase.

Commercial forestry companies use a 90% survival benchmark, but the origin of this benchmark is unknown. Through a literature review, an integrated analysis of historical data sets, the implementation of a trial, and the development of a decision support system, this study was able to determine the main causes of mortality during eucalyptus re-establishment and to formulate mitigation measures for improved survival.

Supervisor: Prof KM Little
Co-supervisors: Dr J Moreno Chan
Dr JW Crous

THE DEGREE OF DOCTOR OF PHILOSOPHY (NATURE CONSERVATION)

TERRY-LEE HONIBALL

Previous qualifications:

2018 NDip Game Ranch Management
2019 BTech Game Ranch Management
2021 MSc Nature Conservation

Nelson Mandela University
Nelson Mandela University
Nelson Mandela University



Thesis:

SOCIAL DYNAMICS OF SPOTTED HYAENAS (CROCUTA CROCUTA) IN FENCED PROTECTED AREAS: IMPLICATIONS FOR CONSERVATION MANAGEMENT OF A SOCIALLY INTELLIGENT SPECIES

This study used a multi-disciplinary approach to investigate how different management strategies in fenced protected areas affect spotted hyaena behaviour. It shows that while these hyaenas have adapted to living in fenced systems, the management approach can affect stress levels in them. Even in fenced areas, they still face competition from other hyaenas and species like lions but coexist with subordinate carnivores. This study provides evidence to support the role of fenced protected areas in conservation. Protecting critical populations and ensuring considerations for animal welfare are accounted for. The study provides new insights into spotted hyaena ecology and will help improve conservation strategies.

Supervisor: Prof JA Venter
Co-supervisors: Prof H Fritz
Dr M Valeix
Prof L Swanepoel

THE DEGREE OF DOCTOR OF PHILOSOPHY (MATHEMATICAL STATISTICS)

LULAMA PATRICK KEPE

Previous qualifications:

1992 BSc (Mathematics and Statistics)
1993 BSc (Hons) (Statistics)
1994 HDE
2004 MSc (Statistics)

Rhodes University
Rhodes University
Rhodes University
Stellenbosch University



Thesis:

DEVELOPMENT OF DENSITY-DEPENDENT AND DENSITY-INDEPENDENT COMPETITION MODELS TO UNDERSTAND SINGLE TREE GROWTH RESPONSES IN EUCALYPTUS STANDS

At some stage after canopy closure, individual trees in a plantation begin to compete for resources. To investigate this competition, a Bayesian mixed effects model similar in characteristics to a SIRE model was used for estimating inbreeding values, as well as variance components. In a similar way, to the inclusion of these inbreeding coefficients, it is therefore proposed that some of the published competition indices used in tree growth modelling, be included in the constructed Bayesian mixed model. As different competition indices are introduced into the model, changes in the probabilities are observed and compared to what is visually observed on the plot.

Supervisor: Dr J Hugo
Co-supervisor: Prof KM Little

THE DEGREE OF DOCTOR OF PHILOSOPHY (COMPUTER SCIENCE)

DUMANI TAU KUNJUZA

Previous qualifications :

2008 BSc (Computer Science and GIS)
2009 BSc (Hons) (Computer Science)
2012 MSc (Computer Science)

University of Fort Hare
University of Fort Hare
University of Fort Hare



Thesis:

A FRAMEWORK FOR DESIGNING A GAMIFIED SYSTEM THAT PROMOTES KNOWLEDGE OF WATER SUSTAINABILITY

This study developed a framework with strong theoretical connections that can guide designing and developing gamification solutions for promoting Knowledge, Attitude, and Practices (KAP) of water sustainability. The research context was the Eastern Cape Province of South Africa, where the data was collected from two municipalities, the Nelson Mandela Bay and Buffalo City Metro. Qualitative data was collected through expert evaluations and brainstorming meetings with various stakeholders who helped create and assess the gamified solution designs. Quantitative data was obtained from a survey of participants in the two municipalities. The findings revealed that citizens' knowledge is closely correlated to the attitudes and practices of citizens regarding water sustainability. This study contributes to the body of knowledge by delivering three Design Science Research (DSR) artefacts: a Framework for Designing, a Gamified System that Promotes Knowledge of Water Sustainability, the framework's design guidelines and a practical instantiation, which was a prototype of a game.

Supervisor: Prof BM Scholtz
Co-supervisor: Dr IO Fashoro

THE DEGREE OF DOCTOR OF PHILOSOPHY (CHEMISTRY)

BRISWELL MABUTO

Previous qualifications:

2013 BSc
2017 BSc (Hons) (*Cum Laude*)
2019 MSc (*Cum Laude*)

Nelson Mandela Metropolitan University
Nelson Mandela University
Nelson Mandela University



Thesis:

TOUGHENED WOOD PLASTIC COMPOSITES FOR LOW TECHNOLOGY AND ADVANCED MANUFACTURING APPLICATIONS

The brittleness of Wood plastic composites (WPCs), particularly exacerbated by wood flour content, limits their range of applications. This study, therefore, was primarily aimed at addressing this limitation by toughening polypropylene/waste meranti wood flour composites with waste truck tyre crumb rubber. The toughening effect of the crumb rubber was enhanced by compatibilizing with ethylene propylene diene monomer rubber through sulphur dynamic vulcanization, which facilitated crosslink formation within the composite.

Consequently, the WPC's ability to absorb large amounts of stress before fracture improved. Furthermore, processability was enhanced by optimization of wood flour alkalization following a central composite design, which resulted in well-dispersed composites with improved mechanical properties. These findings demonstrate how crumb rubber derived from end-of-life tyres can be employed as a toughener for WPCs for both low and high technology applications.

Supervisor: Prof SP Hlangothi

THE DEGREE OF DOCTOR OF PHILOSOPHY (ZOOLOGY)

STEVEN MC GREGOR

Previous qualifications:

2017 BSc Environmental Sciences
2017 BSc (Hons) Zoology
2020 MSc Zoology

Nelson Mandela University
Nelson Mandela University
Nelson Mandela University



Thesis:

ASSOCIATIONS BETWEEN PATTERNS OF WILD UNGULATE PATCH USE, SOIL CARBON AND ALBEDO IN MONTANE GRASSLANDS

This innovative research explored the links between large indigenous mammalian grazers (wildlife), grasslands and climate drivers – including patterns of spatio-temporal use of grasslands by wildlife, of carbon storage in plants and soils, and albedo (solar radiation reflectance) of commonly occurring grassland patch types, and the fine-scale global warming potential. Findings highlight the importance of maintaining grasslands due to their role in

mitigating climate change, contributing to soil carbon storage and reflecting more sunlight compared to woody vegetation. These findings challenge current views on land management in grasslands and contribute valuable knowledge towards effective nature based climate solutions.

Supervisor: Prof GIH Kerley
Co-supervisor(s): Prof PGM Cromsigt
Prof M te Beest

THE DEGREE OF DOCTOR OF PHILOSOPHY (CHEMISTRY)

KWAKHANYA MKWAKWI

Previous qualifications:

2012	National Diploma Analytical Chemistry	Nelson Mandela Metropolitan University
2015	BTech Chemistry	Nelson Mandela Metropolitan University
2017	MTech Chemistry	Nelson Mandela Metropolitan University



Thesis:

A MULTISTEP SYNTHESIS OF ZIDOVUDINE IN CONTINUOUS FLOW SYSTEMS

Zidovudine (AZT) was the first drug used to treat HIV/AIDS in South Africa. Continuous flow microreactors were used to develop a more efficient process for the synthesis of AZT. This could help meet the rising demand for antiretroviral drugs in developing nations. The optimized reaction steps were integrated, resulting in a two-step continuous flow synthetic process for AZT. The first step of the process featured the integration of tritylation and mesylation reactions with a total residence time of 15 min and an isolated yield of 69 %. The second step of the process featured cyclization of the first intermediate followed by azidation and deprotection to yield zidovudinein 61 % yield with the residence time of 17.5 min. We are currently investigating ways to commercialise drug production in South Africa, with the vision to reduce the cost of drugs to enable more people to have access to these live saving medicines.

Supervisor: Prof P Watts

THE DEGREE OF DOCTOR OF PHILOSOPHY (CHEMISTRY)

MELLISA BRENDA SAGANDIRA

Previous qualifications:

2016 BEng (Hons) (Production Engineering)

Chinhoyi University of Technology, Zimbabwe

2020 MSc Chemistry (Research)

Nelson Mandela University



Thesis:

*EXPLOITING CONTINUOUS FLOW TECHNOLOGY
TO DEVELOP SYNTHETIC PROCESSES FOR
ACTIVE PHARMACEUTICAL INGREDIENTS:
PRILOCAINE AND BETRIXABAN*

This study demonstrates how continuous flow technology can be adopted to establish local drug manufacturing capability in Africa. An effort to address Africa's over-dependence on imports for its life saving medicines which has led to drug shortages, high pricing, poor quality medicines and unguaranteed supply chains. She demonstrates this by developing synthesis processes towards prilocaine and betrixaban as case studies using flow technology. This work seeks to contribute to the establishment of strong, resilient and future proof supply chains that can guarantee uninterrupted supply of these essential medicines to patients. Additionally, this aids to achieve the global health development goals of ensuring healthy and well-nourished citizens.

Supervisor: Prof P Watts

Congratulatory Message from the Alumni Association

Congratulations on your academic achievement!

Welcome to the Nelson Mandela University family. You are now a Nelson Mandela University alumna/us.

We would like to take this opportunity to introduce you to the Nelson Mandela University Alumni Association.

Once you have obtained your Nelson Mandela University certificate, diploma or degree you become an alumna/ us of the University and a member of the Nelson Mandela University Alumni Association.

The Association is approved by the University Council as a structure of the University. The Association supports and enhances the realisation of the University's vision and mission through maintaining and expanding positive relationships with its members.

The Role of the Alumni Relations Office (ARO)

Primarily, the Alumni Relations Office (ARO) builds relationships and maintain strong links with graduates, friends and supporters of the University through events, newsletters, social media, the alumni and friends magazine *Thetha*.

The Role of Nelson Mandela University graduate

We encourage you to attend the alumni engagement events, be an active alumni ambassador, support your alma mater in a variety of ways including sharing news, expertise, skills, and contributions in cash and kind. For more information regarding University projects you can support please visit the University giving page <https://www.mandela.ac.za/Giving-to-Mandela-University/Giving-campaign>

Mandela Alumni Connect – the online alumni networking platform

Join the Mandela Alumni Connect community - to stay in touch with fellow alumni, get informed about events, career guidance, mentorship initiatives and expand your network. Register on <https://alumni.connect.mandela.ac.za/> Visit our website and follow or connect to our social media channels for more information regarding our alumni digital networking platform. At any given time, when you happen to be on Campus, we welcome your visit to the Alumni Relations Centre on North Campus in Gqeberha (formerly Port Elizabeth).

More info: T +27 41 504 3935 E alumni@mandela.ac.za

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Photographer details

The official photographer for the Nelson Mandela University graduation ceremony is Gordon Harris Photographic. Photographs will be taken of every graduate as he or she is being presented by the Executive Dean of the Faculty and when being hooded by the Registrar. A demarcated area will be used to take family photographs, please follow directional signage. Please refer to the enclosed photograph order form.

NOTE: NO OTHER PHOTOGRAPHERS WILL BE ALLOWED IN THE HALL.

NB: THE TAKING OF ALL PHOTOGRAPHS (INSIDE AND OUTSIDE THE HALL) IS A PRIVATE TRANSACTION BETWEEN EACH CANDIDATE AND THE PHOTOGRAPHER CONCERNED. THE UNIVERSITY ACCEPTS NO RESPONSIBILITY FOR THE QUALITY OF THE PHOTOGRAPHS.





NATIONAL ANTHEM

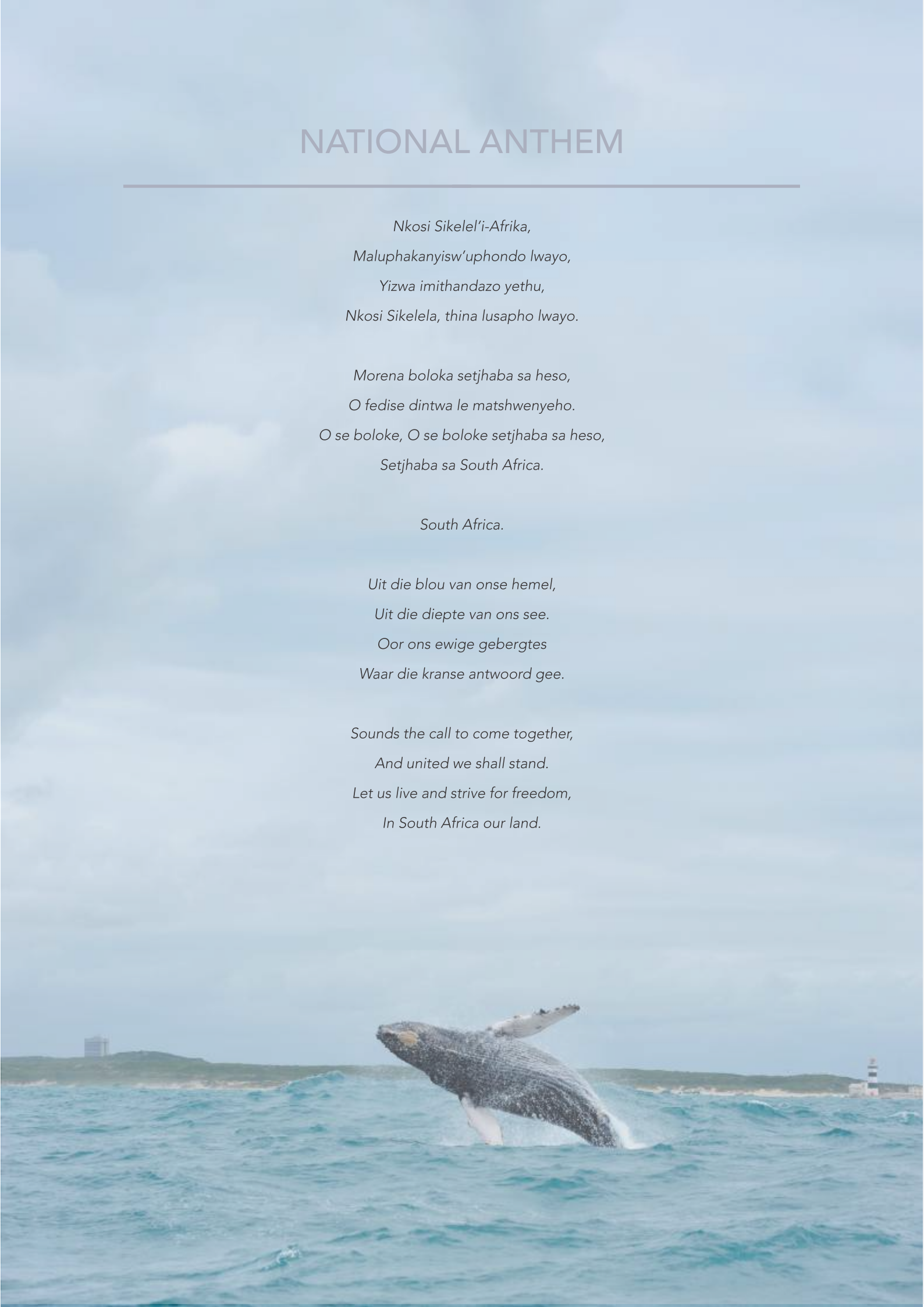
*Nkosi Sikelel'i-Afrika,
Maluphakanyisw'uphondo lwayo,
Yizwa imithandazo yethu,
Nkosi Sikelela, thina lusapho lwayo.*

*Morena boloka setjhaba sa heso,
O fedise dintwa le matshwenyeho.
O se boloke, O se boloke setjhaba sa 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.*



Change the World

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PO Box 77000, Nelson Mandela University, Gqeberha, 6031.
T 041 504 1111 (Gqeberha) **T** 044 801 5111 (George)
E info@mandelauniversity.ac.za