

NELSON MANDELA
UNIVERSITY



Graduation 2019

Ceremony 8: Faculty of Science
(School of Environmental Sciences)

Tuesday, 9 April 2019, 14:30
Madibaz Indoor Sport Centre, South Campus, Summerstrand

100 YEARS OF MANDELA

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

Diversity

Ubuntu

Social justice and equality

Integrity

Environmental stewardship

Diversity

Excellence

Ubuntu

Social justice
and equality

Integrity

Environmental
stewardship



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Respect for the occasion

As befitting of this milestone occasion and in respect of all graduates and their families, please could you honour the following:

- All rise and applaud the student procession as it enters the back of the hall.
- All rise when the academic procession enters the hall and remain standing until after the moment of silence and again at the end of the ceremony, after the singing of the national anthem as the academic procession leaves the hall.
- Ensure that your cellphones are on silent.
- Do not walk around the hall or leave during proceedings. Should you need to use the bathroom, please go to the back of the hall where ushers will direct you.
- Ensure that you momentarily suppress your applause while the name of each candidate is announced.



A graduation reflective of our namesake

Our university is on a transformation journey, ever seeking to advance social justice, equality and inclusion by providing life-changing educational experiences in pursuit of a better life for all.

Part of our journey in honouring our namesake, is examining what we celebrate and how we do it.

Graduation is the pinnacle of our institutional celebrations – a time when we reflect, acknowledge and celebrate the capping of each and every student.

What you will witness today is the beginning of this graduation transformation journey as we introduce what our students, past and present, our staff and others, feel is apt and fitting of a dynamic African university that carries the iconic name of Nelson Mandela.

This follows a nine-month process that included online surveys, focus groups and discussions around our university's identity and the rituals, dress, entertainment, format and

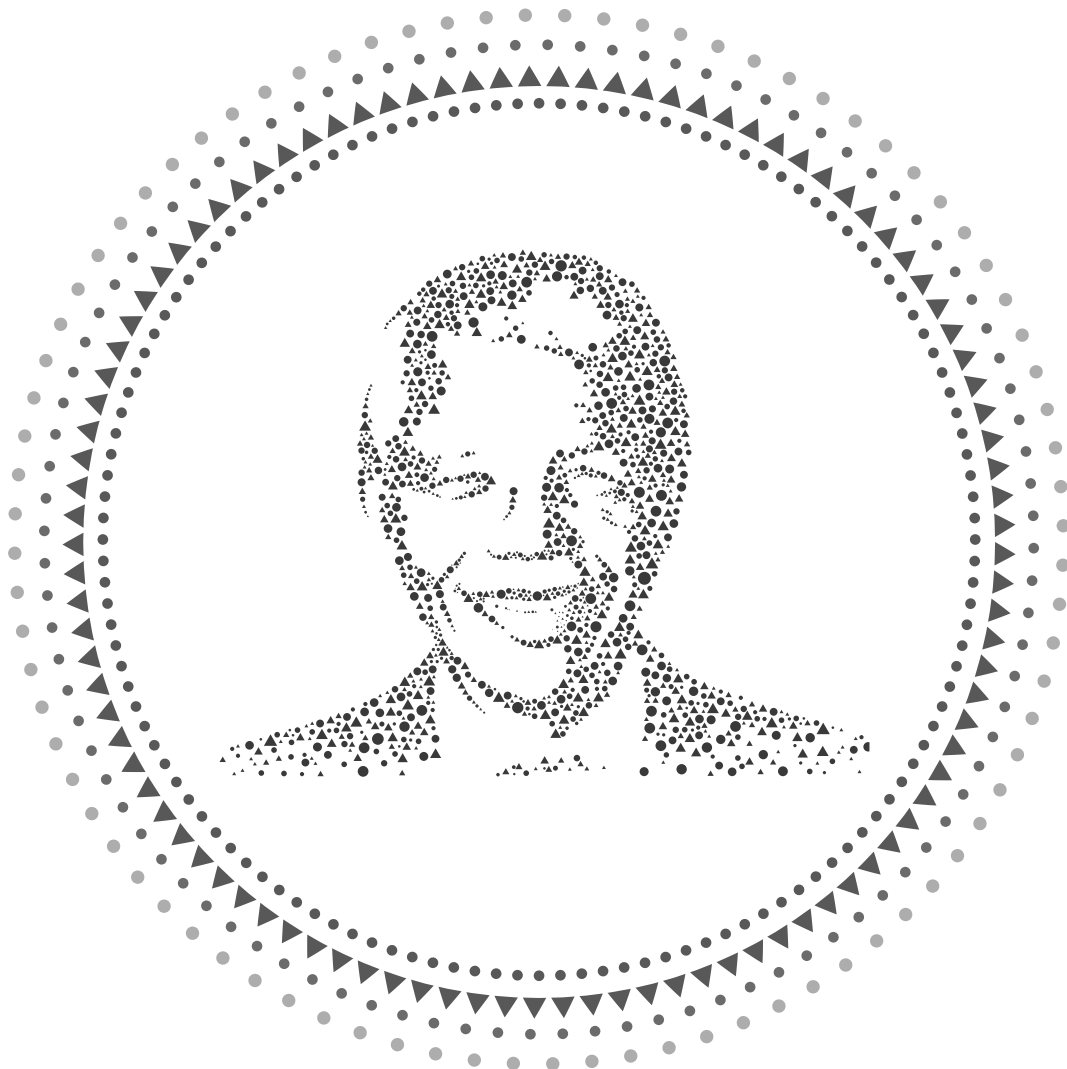
practices that our graduation ceremonies should aspire to reflect.

This enriching experience has resulted in a number of co-created innovations for Mandela University – such as the first procession by all graduates into the hall and the addition of a cultural interlude during each ceremony.

Other visual and process adaptations to the previous ceremonies include the addition of a sign interpreter, processional drumming and a new ticketing system.

The latter is a legislative regulation as the university must comply with the public events act in terms of safety and security. To accommodate those who were not privy to receiving a ticket (each graduate is entitled to four tickets), live streaming of the event is screened in an adjacent venue.

The process of introducing new academic gowns for office bearers that are reflective of our identity as Nelson Mandela University is also underway.



Congratulatory message

Graduation is a significant milestone in anyone's life. It is the culmination of an academic journey that reflects your commitment, perseverance, hard work, intellect and sacrifice. We know that the sacrifice and hard work is often not yours alone as many have travelled with you – your friends, your lecturers, your supervisors, your mentors and your family. They have invested in you financially, encouraged you to persevere, guided your studies and above all, believed in your ability to succeed and achieve this graduation dream.

Today your joy is our joy too. Such a significant moment – your graduation day – must be celebrated for it not only recognises all that you have achieved, but focuses on all the potential and possibilities to come. It offers us great hope for the future – for you are that future.

We salute and applaud your achievement and wish you all the very best for your future endeavours.

Never stop learning. Do not let your curious spark die out, for education is not only your passport to the future – but also to the future hopes of our country, our continent and is indeed a foundation for a better world, as Nelson Mandela so eloquently put it:

"Education is the most powerful weapon which you can use to change the world."

Congratulations!



Dr Geraldine Fraser-Moleketi
Chancellor



Professor Sibongile Muthwa
Vice-Chancellor



Ilizwi lokuvuyisana

Uthweso-sidanga yimpumelelo ebalulekileyo kubomi bomntu wonke. Ziziphumo zokufika apho ubusiya khona, ezibonakalisa ukuzimisela nokuzinikela kwakho, ukunyamezela, ukusebenza nzima nobungqondi. Siyazi ukuba ukuzinikela nokusebenza nzima asikokwenu nodwa, njengoko siqonda ukuba beebaninzi abantu abanikhaphileyo kolu hambo - izihlobo, abahlohli, amakhankatha emfundo, abaxhonkxi kwakunye nezizalwane nezalamane. Baye benza indima ngokuthi bafake isandla ngemali, banikhuthaza ukuba ninyamezele, banibonisa indlela xeshikweni niqhuba nezifundo zenu, ngaphezu koko konke, baye bakholelwa kwiinzame zenu zokuphumeza amaphupha okuba nesidanga.

Namhlanje olu vuyo lwenu ikwa lolwethu, iintliziyu zenu nezethu zidada emafutheni yimincili nochulumanco - eli thuba libaluleke kangaka, usuku lwakho lokuthweswa isidanga - mayibe lusuku lokubhiyoza njengoko ingelosuku olubonisa impumelelo kuphela, kodwa lujolise kuko konke okuzayo nokuyimpumelelo. Lusinika ithemba elimangalisayo lengomso- nina nilikamva nengomso.

Sinothulela iminqwazi sikwaniqhwebela nezandla ngale mpumelelo yenu, sininqwenelela okuhle kuko konke enikwenzayo nokuzayo.

Ningaze niyeke ukufuna ulwazi. Ningahl'umxhelo weenzame nemigudu zokufun'ulwazi, njengokuba imfundo ingesositshixo sekamva kuphela – koko ikwayiminqweno yekamva yelizwe nezwekazi lethu kwaye sisiseko sehlabathi eliqaqambileyo, njengokuba uNelson Mandela eyibhentsisa ngobuciko:

Imfundo sesona sixhobo sinamandla ongasisebenzisa ukuguqula ihlabathi.

Hu-u-untshu!!!

Ukwanda kwaliwa ngumthakathi.

Boodskap van gelukwensing

Gradeplegtigheid is 'n belangrike mylpaal in enigiemand se lewe. Dit is die hoogtepunt van 'n akademiese reis wat jou toewyding, deursettingsvermoë, harde werk, intellek en opoffering weerspieël. Ons weet dat die opoffering en harde werk dikwels nie net joune was nie, aangesien baie mense saam met jou die pad geloop het - jou vriende, jou lektore, jou toesighouers, jou mentors en jou gesin. Hulle het finansieel in jou belê, jou aangemoedig om te volhard, jou studies gelei en bowenal geglo in jou vermoë om te slaag en hierdie droom om te gradueer te bereik.

Vandag is jou vreugde ook ons vreugde. Jou gradedag is so 'n belangrike oomblik en dit moet gevier word – nie net omdat dit erkenning gee aan alles wat jy bereik nie, maar ook fokus op al die potensiaal en moontlikhede in die toekoms. Dit bied ons groot hoop vir die toekoms - want jy is daardie toekoms.

Ons wens jou geluk en is saam met jou verheug oor jou prestasie en ons wens jou net die beste toe vir jou ondernemings in die toekoms.

Moet nooit ophou leer nie. Moenie toelaat dat die ondersoekende vonk in jou geblus word nie, want opvoeding is nie net jou paspoort vir die toekoms nie, maar ook vir ons land se hoop vir die toekoms en ons vasteland en dit is inderdaad 'n grondslag vir 'n beter wêreld, soos Nelson Mandela dit so welsprekend gestel het:

“Opvoeding is die kragtigste wapen wat jy kan gebruik om die wêreld te verander.”

Veels geluk!



About Nelson Mandela University



Nelson Mandela University is the only university in the world to carry the name of Nelson Rolihlahla Mandela.

With this honour comes the responsibilities of leading our university into a new era of transformative innovation, development and change in line with the ethos and values of our namesake.

Living the legacy of Mandela should be reflected in the way we teach, learn, do research, engage with our partners, and work, study and live as staff, students and alumni.

We are on a journey to achieve this and become the learning destination for staff and students who:

- Are pioneering change agents for a better world;
- Are committed to creating jobs in an entrepreneurial economy;
- Work together across disciplines in seeking solutions and innovations to achieve quality of life and a health environment for all people'; and
- Are instilled with a deep need to serve and give back.



Fast facts

CAMPUSES

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

7

470

PROGRAMMES

(from certificate through to doctoral
qualifications)

27 748
STUDENTS

7 FACULTIES

(Arts; Business and Economic
Sciences; Education; Engineering,
the Built Environment and IT; Health
Sciences; Law and Science)

6 STRATEGIC
PRIORITIES

- Student access and success
- Resource stewardship
- Engaged innovative scholarship
- Transformative institutional culture
- Talented high-performing staff
- Enabling systems, processes and infrastructure

2 460

PERMANENT EMPLOYEES

6 STRATEGIC
RESEARCH
AREAS

8% OF STUDENTS
COME FROM

75 DIFFERENT
COUNTRIES



Exciting prospects



Ocean Sciences Campus

Our new generation university is set to become the leading “go-to” destination in Africa for all marine and maritime teaching, learning, engagement, innovation and research at postgraduate level.

This follows the launch of the Ocean Science Campus in Summerstrand in September 2017 as part of the university’s strategic drive to unlock the potential of the blue economy in a sustainable manner to benefit all South Africans.

The development and expansion of our academic programmes will offer new opportunities to all South Africans.

Intentional design

The new campus at the former CSIR offices has been intentionally designed and revamped to embrace a transdisciplinary way of working. It has also been specifically branded to reflect its purpose – that of a dedicated creative and innovative hub for postgraduate studies, and its physical spaces revamped to allow scientists from all disciplines to work as teams.

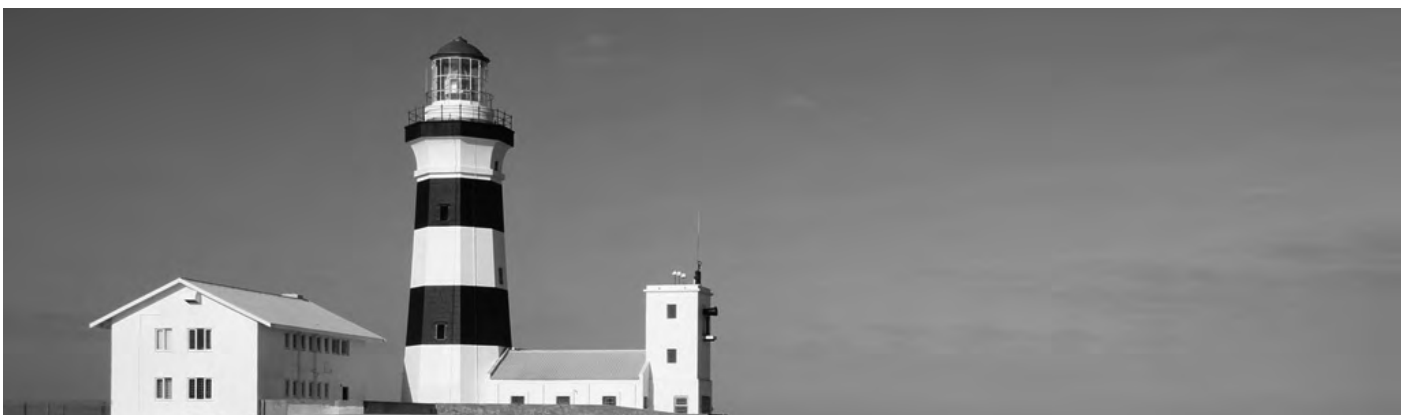
Partnerships

This transdisciplinary research strategy does not stop with the academic project. Instead, it also seeks to embrace a ‘blue commons’ partnership with the metro, local government, big business, civic society and all those who live, work and play at the water’s edge and the oceans. It also includes several international partner universities.

By bringing all players together, all basic, formative and applied professional knowledge competencies in Ocean Sciences are exposed, developed and shared in novel ways.

Strategically, this approach offers better options for both discovery research and that of solving real world problems arising from economic need, while always ensuring ecological sustainability.

The university is working on a number of key projects that will strategically position us as an institution of choice for both staff and students.



A new medical school

The first phase of the university's exciting journey towards the establishment of the country's 10th Medical School is gaining momentum.

Refurbishment of some buildings on Missionvale Campus is underway as well as the procurement of state-the-art equipment for teaching, learning and research in anticipation of hosting the university's first cohort of 100 medical students.

Various accreditation processes need to be completed – such as approval by the Health Professions Council of South Africa (HPCSA) to teach the MBChB degree in terms of its curriculum, infrastructure and supporting equipment – before the university can officially open the student application process.

Innovative teaching model

The university will be using an innovative transformative distributive teaching model that will see students come together to study across health science disciplines and leverage the benefits of technology – all towards their service to society, especially within the metro.

The transformative interprofessional education model (IPE) will see doctors work and study alongside nurses, radiographers, psychologists, environmental health practitioner, pharmacists, emergency medical care students and the like, to offer holistic and integrated health care.

The Faculty of Health Sciences led by Executive Dean Professor Lungile Pepeta has already introduced the transformative model with great success with both students and the communities benefitting from the ongoing partnerships.

The faculty's health care ethos is preventative rather than curative given the dire shortage of qualified health professionals in South Africa. At present, 65% of all public doctor's posts are vacant and there is only one doctor to every 4230 people in the Eastern Cape.

Driving the process

A Medical School Infrastructure Working Group is driving the hugely complex implementation plan that also takes the future of Missionvale Campus into account. The campus is in close proximity to Dora Nginza Hospital and a number of clinics.

**'Health cannot be a question of income;
it is a fundamental human right'**



Office-Bearers of the university

Chancellor

Dr GJ Fraser-Moleketi: MAdmin (UP), DPhil (hc) (NMMU)

Chairperson of Council

Ambassador NP January-Bardill: Cert in Ed (UBL), Dip HR Mgt (Damelin), BA (UBL), MA (Essex, UK)

Vice-Chancellor

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

Deputy Vice-Chancellor: Institutional Support

Mr LE Hashatse: B (Journ & Media Studies), BAHons (RU), MA (Edith Cowan, Australia)

Deputy Vice-Chancellor: Research and Engagement

Prof AWR Leitch: BSc, BScHons, MSc, PhD (UPE)

Deputy Vice-Chancellor: Teaching and Learning

Prof DM Zinn: BA, BAHons, HDE (UCT), MEd, DEd (Harvard University, USA)

Executive Director: Finance

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

Executive Director: Human Resources

Ms VN Bam: BSocSc (UCT), PGDip (UFH), MBL (UNISA)

President of Alumni Association

Mr Kwezi Blose: BSc (Building Economics), BScHons (QS) (UPE)

Executive deans of faculties

Arts

Prof MJR Boswell: BSocSc, BSocScHons, MSocSc (UCT), PhD (Vrije Universiteit, Netherlands)

Business and Economic Sciences

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

Education

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

Engineering, the Built Environment and Information Technology

Dr OSW Franks: BSc (MechEng), MInd Admin (UCT), Hons (B&A) (US), PhD (Engineering Science)(USF – USA), Pr Eng

Health Sciences

Prof L Pepeta: MBChB (Unitra), FCPAED (SA), DCH (SA), MMed (Wits)

Law

Prof A Govindjee: BA, LLB (RU), LLM (UPE), LLD (NMMU)

Science

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

Dean of Teaching and Learning

Prof CD Foxcroft: BA, BAHons, MA, DPhil (UPE)

Dean of Students

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



Order of proceedings

Entrance of Graduating Student Procession

(The congregation is requested to rise while the graduating student procession enters the hall)

Entrance of Academic Procession

(The congregation is requested to rise while the academic procession enters the hall)

Moment of Silence

(The congregation is requested to remain standing)

Constitution of Congregation and Welcome

Vice-Chancellor

(The congregation is requested to be seated)

Choral Item

Nelson Mandela University Choir

Awarding of Qualifications

Vice-Chancellor

Dissolution of Congregation

Vice-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 in the text that the diploma or degree is awarded with distinction to the candidate/s listed.



FACULTY OF SCIENCE

NATIONAL DIPLOMA: AGRICULTURAL MANAGEMENT

DLAMINI, Samkelo Brandon
FILANE, Vuyakazi
GEBUZA, Nathi Vuyolwethu
GWABENI, Zabembo Yvonne
GWADISO, Noluvo
GXALABA, Zintle Yolanda
JACK, Andisiwe
JOZANA, Noluvuko
KHONYANE, Nthabeleng Mary Theresa
MATHEBULA, Edwin
MENZIWA, Tembela
NKASHA, Cleopatra Vukosi
NTOLA, Zusiphe
SIKUTSHWA, Balungile
TOKOTA, Alinah
VAN DER WESTHUIZEN, Andre Phillip

DIPLOMA IN AGRICULTURAL MANAGEMENT

BAMBISO, Olona
BHENGU, Thabiso Swelihle
CHIANE, Antoineth
DINTABA, Bongisa
FERREIRA, Anrich
GXAKUMA, Phaphama Brian
KAMANGA, Bonisiwe Mitchell
KLAAS, Lutho
KOHLISO, Siphumle Banele
MANGONDO, Ayabulela
MBONO, Luviwe Lutho
MXHOBHO, Bungcwalisa
NKOMBI, Saneze
NTSIZA, Nasiphi Lisekho
NTSONTE, Sinovuyo
RORO, Siyabonga
SIKITI, Dumo
SOKAPASE, Linda
VAN WYK, Raylene Chariva
WEBER, Phillipus Carel Hendrik Von
WILLIE, Nceba
XATE, Axolile Arnold
ZEKANI, Aphiwe
ZINJA, Bongokuhle

CUM LAUDE

VILAKAZI, S'Busisiwe Angel

NATIONAL DIPLOMA: GAME RANCH MANAGEMENT

GILIOMEE, Willem Adriaan
KRUGER, Christiaan Johannes

DIPLOMA IN GAME RANCH MANAGEMENT

BAKKER, Luke
DORFLING, Jacobus
DU PLESSIS, Rikus Hugo
EVERT, Gerald
GRAAFF, David Naudé

KLETTE, Lauren Ann
LOUW, Curtis Craig
MEIRING, Gideon Jacobus
RADEMEYER, Reece Christopher
SMITH, Philippus Stephanus
VAN RHYN, Jan Hendrik

CUM LAUDE

DE KLERK, Orpa Mari

BACHELOR OF SCIENCE

AWATI, Methuselah Bieghewori
BASADIEN, Tashreeqa
BUTTNER, Daniel Harry
CLASSEN, Divan
CUNNINGHAM, Michael John
DLEDLE, Nombulelo
ERASMUS, Thabiso
GIDIMISANA, Mawande
GUMEDE, Mthokozisi Thabiso
HESEWU, Zothando
KLAAS, Mfundo Lionel
KONDILE, Lukhanyiso
LAKANE, Chuene Priscah
LE ROUX, Stefanus Johannes
LUITERS, Marlo Raymond
LUZIPO, Abongile Siposethu
MADONDILE, Siphosethu
MAGAQA, Qaphela
MAPHETO, Tihologelo James
MC CABE, Heston Immanuel Milton
MGWENYA, Simphiwe Sean Nelson
MJALI, Avuyile Qika
MOJUTA, Zwangu
MPALULI, Rotondwa Loyd
MPISANE, Khanyisa
MQULWANA, Lisoilekhaya
MTYEKU, Sikelelwa
MUSEMESI, Adelaide Tanatswa
NDYALUVANE, Anelisiwe Ayabonga
NDZAMELA, Esethu Sikelela
NGOQO, Noluthando Florence
NKOSI, Phumla Nontombi
NOKO, Aphiwe
NORVAL, Zoé
NTOMBELA, Njabulo Smangalis
NTSIKWE, Odwa
RAGIMANA, Mutakusi Bashian
SARANGARAJAN, Karisma Ana
SHORTT, Kayla Morag
SIBANDA, Thabiso
SIWUNDLA, Lutho
SKOSANA, Thelma Thokozile
SONDZABA, Siziwe
STOKES, Keegan Edward
STROEBEL, Tiaan
TSIPA, Vusumzi
VAN STAADEN, Carly Elizabeth
VAN STADEN, Kristen
VAN STADEN, Steven James
VENDLE, Chuma Mfundo Fortune
WICHT, Kurt Russel
WILLIAMS, Aarifah
XONGO, Kanya
ZIBULA, Bulelwa



CUM LAUDE

KING, Michaela
WATTAM, Lara Mleod

BACHELOR OF TECHNOLOGY: AGRICULTURAL MANAGEMENT

DHLADHLA, Sinakhokonke Mthunzi
DINGISWAYO, Xolisile
DYWILI, Zintle
FELEZA, Siseko
JUMBA, Lufefe
KOLWENI, Asanda Elethu
KONDLO, Yamkela
KWANINI, Lisa Ziyanda
LAMOLA, Ruth Mamekgwa
MAHLASELA, Zimasa
MANGANYELWA, Sivuyise
MANQOLA, Zikisa
MATROSE, Nolubabalo
MAYEKISO, Athini
MBALEKI, Zola
MELANI, Lubabalo
MENZIWA, Njabulo
MFUKU, Lutholwethu
MPHEPHU, Tshifhiwa Rudolph
MSENGI, Mlandeli
MSIMANGO, Sibusiso Christopher
NGCOBO, Sbusiso

NGQOKOMASHE, Zintle
NSIBANDE, Thembinkosi Wiseman
SIKRENYA, Phelo
SILIBALI, Sinazo
TYWAKU, Alungile
ZUMA, Lucio Phila

BACHELOR OF SCIENCE HONOURS IN ENVIRONMENTAL GEOGRAPHY

BADI, Lindelwa
GARIREMO, Natasha Rumbidzai
GOBILE, Lubabalo Dumanani
SAO, Emmanuel Kwabena Boateng

BACHELOR OF SCIENCE HONOURS IN GEOGRAPHICAL INFORMATION SYSTEMS

MANTSI, Andile Motlatsi
MAPHETO, Thologelo James
RAMOTSONGWA, Karabo Naome

BACHELOR OF SCIENCE HONOURS IN GEOLOGY

BERKLAND, James Matthew
MUSA, Sameera
VALASHIYA, Khaya
ZANONCELLI, Luca Guy



MASTER OF SCIENCE (RESEARCH)

BARNARDO, Toshka - **Cum Laude**
(Zoology)

Title of dissertation:
RESPONSE OF BLACK WILDEBEEST, A SPECIALISED GRAZER, TO GRASS AVAILABILITY

Supervisor: Prof GIH Kerley
Co-supervisor: Dr M Landman

BLEWETT, Alec Bran
(Botany)

Title of dissertation:
THE CULTIVATION OF GRACILARIA GRACILIS IN THE SWARTKOPS ESTUARY, SOUTH AFRICA

Supervisor: Dr P Steyn

DLAKAVU, Sinazo
(Geology)

Title of dissertation:
TESTING POTENTIAL GROUND WATER RESERVOIR CONNECTIVITY USING ISOTOPES IN THE SOUTH-CENTRAL KAROO REGION

Supervisor: Prof MJ De Wit

DOMONEY, Nicola Leah
(Geography)

Title of dissertation:
ENVIRONMENTAL MANAGEMENT OF WETLANDS ON AN URBAN PERIPHERY: THE CASE OF BAYWEST

Supervisor: Dr AH De Wit

EDWARDS, Mark Joseph Kalahari - **Cum Laude**
(Geology)

Title of dissertation:
MICRO-STRUCTURES, MINERALOGY AND CHEMISTRY OF PERITIDAL TUFA STROMATOLITES ALONG THE EASTERN CAPE COAST

Supervisor: Mr CR Anderson
Co-supervisor: Prof R Perissinotto
Co-supervisor: Dr GM Rishworth

GUMMOW, William Thomas Jr
(Botany)

Title of dissertation:
RECYCLED TYRE RUBBER CRUMB AS A SOIL AMELIORANT TO ALLEVIATE SOIL COMPACTION

Supervisor: Dr P Steyn
Co-supervisor: Dr DR Du Preez



JOHNSON, Jaime Leigh
(Botany)
Title of dissertation:
FIRST REPORT ON CARBON STORAGE IN WARM-TEMPERATE MANGROVES OF SOUTH AFRICA
Supervisor: Prof JB Adams
Co-supervisor: Dr J Raw

MAAKE, Laurentias Tebatso
(Geology)
Title of dissertation:
MINERALOGY AND GEOCHEMISTRY OF PERMIAN BLACK SHALES AND CARBONATE CONCRETIONS IN THE LOWER ECCA FORMATIONS OF THE STEYTLERVILLE-JANSENVILLE AREA. SOUTHERN KAROO BASIN
Supervisor: Prof DR Bell

MACQUEEN, Timothy Paul
(Botany)
Title of dissertation:
FINDING FRANKENFLORA: INVESTIGATING HYBRIDISATION BETWEEN LOCAL AND INTRODUCED PROTEA SPECIES AT THE VAN STADENS WILDFLOWER RESERVE
Supervisor: Dr AJ Potts

MARÉ, Celesté – **Cum Laude**
(Zoology)
Title of dissertation:
CHACMA BABOONS (PAPIO URSINUS) INFLUENCE ZOOGEOMORPHIC PROCESSES IN THE KAROO THROUGH ROCK MOVEMENT
Supervisor: Prof GIH Kerley
Co-supervisor: Dr M Landman

MORIARTY, Lauren Alethea
(Botany)
Title of dissertation:
INSHORE BENTHIC COMMUNITIES OF THE PORT ELIZABETH ABALONE RANCHING CONCESSION AREA
Supervisor: Dr P Steyn

NKONKI, Busisiwe
(Geography)
Title of dissertation:
PUBLIC OPEN SPACES IN MOTHERWELL NU1-9: ACCESSIBILITY AND COMMUNITY PERCEPTIONS
Supervisor: Dr HW Britz

NOLTE, Christopher Robin - **Cum Laude**
(Zoology)
Title of dissertation:
THE DISTRIBUTION OF SOUTH AFRICAN LOGGERHEAD SEA TURTLES (CARETTA CARETTA) AS INDICATED BY EPIBIONTS AND STABLE ISOTOPES
Supervisor: Prof R Nel
Co-supervisor: Dr M Pfaff



PRETORIUS, Dirk Jacobus - **Cum Laude**

(Zoology)

Title of dissertation:

ZONING THE SOUTHWESTERN INDIAN OCEAN TO MITIGATE IMPACTS FROM OCEAN-BASED HYDROCARBON EXPLORATION AND PRODUCTION ON SEA TURTLES

Supervisor: Prof R Nel

Co-supervisor: Dr L Harris

QWABE, Qinisani Nhlakanipho

(Agriculture)

Title of dissertation:

THE SOCIO-ECONOMIC IMPORTANCE OF INDIGENOUS VEGETABLES TO THE NTUZE SMALLHOLDER FARMING COMMUNITY IN KWAZULU-NATAL, SOUTH AFRICA

Supervisor: Dr TM Pittaway

SCHRODER, Klaus - **Cum Laude**

(Geography)

Title of dissertation:

VULNERABILITY IN SURF TOURISM: SURF-BREAK DECLINE AND ITS IMPACT ON HEROLD'S BAY, SOUTH AFRICA

Supervisor: Dr AH De Wit

TRUTER, Hannah Jessie - **Cum Laude**

(Biological Oceanography)

Title of dissertation:

EPIBENTHIC BIODIVERSITY, HABITAT CHARACTERISATION AND ANTHROPOGENIC PRESSURE MAPPING OF UNCONSOLIDATED SEDIMENT HABITATS IN ALGOA BAY, SOUTH AFRICA

Supervisor: Prof AT Lombard

Co-supervisor: Dr CEO Von Der Meden

Co-supervisor: Dr LJ Atkinson

ZUZE, Hillary Don

(Geography)

Title of dissertation:

ASSESSING FLOOD VULNERABILITY IN THE NELSON MANDELA BAY METRO

Supervisor: Dr AH De Wit

MASTER OF SCIENCE IN TEXTILE SCIENCE (RESEARCH)

VAN ZYL, Andreas Marius - **Cum Laude**

Title of dissertation:

THE PREDICTION OF, AND CHANGES IN, MEDULLATED FIBRE LEVELS WHEN PROCESSING MOHAIR INTO TOP

Supervisor: Prof L Hunter

Co-supervisor: Dr AF Botha

MASTER OF TECHNOLOGY: AGRICULTURE (RESEARCH)

DREYER, Susanna Maria – **Cum Laude**

Title of dissertation:

A CLIP COMPOSITION CASE STUDY OF COMMUNAL WOOL PRODUCTION IN THE EASTERN CAPE, SOUTH AFRICA

Supervisor: Dr LG Du Pisani

Co-supervisor: Dr AC Geyer

Co-supervisor: Mr PR Celliers



DOCTOR OF PHILOSOPHY

ANDREWS, Curswan Allan
(Zoology)
Title of thesis:
THE EVOLUTION OF THE LEPIDEMURIDAE-CHEIROGALEIDAE CLADE

Supervisor: Prof JC Masters
Co-supervisor: Dr F Genin
Co-supervisor: Prof GIH Kerley

BOTHA, Maria Susan
(Botany)
Title of thesis:
A GATHERER'S PARADISE? EARLY HUMANS AND PLANT FORAGING ON THE CAPE SOUTH COAST, SOUTH AFRICA

Supervisor: Dr AJ Potts
Co-supervisor: Prof RM Cowling
Co-supervisor: Prof KJ Esler

CIMI, Pumlanzi Viwe
(Botany)
Title of thesis:
AN INVESTIGATION OF PLANT CONSERVATION STRATEGIES EMPLOYED IN MAKHANDA, SOUTH AFRICA: AN EDUCATIONAL EXPLORATION

Supervisor: Prof EE Campbell

MASSINGUE, Alice Obed
(Botany)
Title of thesis:
ECOLOGICAL ASSESSMENT AND BIOGEOGRAPHY OF COASTAL VEGETATION AND FLORA IN SOUTHERN MOZAMBIQUE

Supervisor: Prof EE Campbell

NUNES, Monique
(Botany)
Title of thesis:
MICROALGAE AS INDICATORS OF ENVIRONMENTAL CHANGE IN THE ST LUCIA ESTUARINE SYSTEM

Supervisor: Prof JB Adams
Co-supervisor: Prof T Bornman



THE DEGREE OF DOCTOR OF PHILOSOPHY (ZOOLOGY)

CURSWAN ALLAN ANDREWS

Previous qualifications:

2011 BSc (*Cum Laude*)
2012 BScHons (Zoology) (*Cum Laude*)
2014 MSc (Zoology) (*Cum Laude*)

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

Thesis:

THE EVOLUTION OF THE LEPIDEMURIDAE-CHEIROGALEIDAE CLADE

Recent studies using genetic sequences have shown a close evolutionary relationship between the sportive lemurs and the dwarf lemurs of Madagascar, and indicate that their evolution was accompanied by repeated dwarfing events that coincided with changes in the environment. The morphological, physiological and dietary implications of these changes in body size were investigated. These involved changes to the skull and the blood supply to the brain, as well as a shift in diet from eating leaves to eating gum, fruits and insects. The difficult digestion of gum was probably made possible by the inheritance of a microbial gut flora from a leaf-eating ancestor through evolutionary time.

Supervisor: Prof JC Masters
Co-supervisor: Dr F Genin
Co-supervisor: Prof GIH Kerley

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

MARIA SUSAN BOTHA

Previous qualifications:

2003 BSc
2007 MSc

University of Cape Town
University of Cape Town

Thesis:

A GATHERER'S PARADISE? EARLY HUMANS AND PLANT FORAGING ON THE CAPE SOUTH COAST, SOUTH AFRICA

Humans were driven to refugia during the cold and dry glacial Marine Isotope Stage 6 (MIS6) (~195–125 ka). Only a few places, including the Cape south coast, show archaeological evidence of continuous human occupation. This study explores how the indigenous plants of the Cape south coast may have contributed to the diet of early human living in this region. With the help of local residents, who are knowledgeable about edible plants, monthly foraging of wild foods was conducted over two years. It was found that surviving off the land is hard but focusing on hotspots of food and specific vegetation types would have helped foragers reach their daily calorific quota, thus assisting the persistence of early human populations in this region.

Supervisor: Dr AJ Potts
Co-supervisor: Prof RM Cowling
Co-supervisor: Prof KJ Esler



THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

PUMLANI VIWE CIMI

Previous qualifications:

1997 BSc
1998 HDE
2001 BScHons (Botany)
2009 MEd (Science Education)

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

Thesis:

AN INVESTIGATION OF PLANT CONSERVATION STRATEGIES EMPLOYED IN MAKHANDA, SOUTH AFRICA: AN EDUCATIONAL EXPLORATION

This study investigated opportunities available in Makhandla that could be used to raise awareness of the need for plant conservation. Resources for this purpose could be found in school grounds, the botanical garden, on street verges and in the local herbarium. School learners from three different schools as well as, community members were exposed to these resources. Their knowledge, perceptions and experiences of plants were explored using questionnaires, observations and interviews. The findings showed how plants and plant resources in towns and cities could be used to raise awareness of the need for their conservation. These resources could be used to facilitate learners and community members in becoming custodians of the environment.

Supervisor: Prof EE Campbell

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

ALICE OBED MASSINGUE

Previous qualifications:

2003 BSc (Biology)
2009 MSc (Forest & Faunistic Resources Management)

Universidade Eduardo Mondlane
Universidade Eduardo Mondlane

Thesis:

ECOLOGICAL ASSESSMENT AND BIOGEOGRAPHY OF COASTAL VEGETATION AND FLORA IN SOUTHERN MOZAMBIQUE

The coastal zone of southern Mozambique has a rich biodiversity. After extensive and detailed surveying of the flora, together with substantial ecological data collection at a landscape level, this study builds an understanding of the biogeography of a previously poorly-studied region of subtropical Africa. It considers threats to the integrity of this coastal vegetation and its flora by developing an informed argument to reinforce conservation efforts and improve sustainable management. This study demonstrates that the priority for management is to ensure that coastal forests, in particular dune forests, are protected. The study clearly outlines the urgent action that Mozambique will need to take in order to ensure the future provisioning of coastal ecosystem services.

Supervisor: Prof EE Campbell



THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

MONIQUE NUNES

Previous qualifications:

2009 National Diploma (Nature Conservation)
2010 BTech (Nature Conservation)
2012 MSc (Botany)

Nelson Mandela Metropolitan University
Nelson Mandela Metropolitan University
Nelson Mandela Metropolitan University

Thesis:

MICROALGAE AS INDICATORS OF ENVIRONMENTAL CHANGE IN THE ST LUCIA ESTUARINE SYSTEM

St Lucia is a World Heritage site that represent 56% of the estuarine habitat area in South Africa. This research investigated microalgae and showed how this dynamic estuarine lake responds to a complex interaction of climatic and anthropogenic drivers. The recent introduction of Mfolozi River water has altered the nutrient status promoting the growth of undesirable microalgal species. Artificial substrates and epilithic diatom communities effectively detected nutrient enrichment. For the first time the suitability of DNA metabarcoding for diatom monitoring was tested and recommended for future studies. The research has successfully highlighted the dynamic nature of the St Lucia system and value of microalgae as indicators to differentiate hydrological phases. Three of the thesis chapters were published in high impact journals.

Supervisor: Prof JB Adams
Co-supervisor: Prof T Bornman



Honorary Doctoral Recipient

Dr Vuyo Mahlati – Doctor of Philosophy (Honoris Causa)



Born in the Eastern Cape, Vuyo Mahlati started her education at a farm school where her mother taught, and later went to a missionary boarding school for her higher education. This is where her passion for seeking alternatives to the oppressive education system of the time began, choosing to be an agent of change.

Vuyo obtained her PhD from the University of Stellenbosch with her thesis focusing on the role of value chains in

mainstreaming rural entrepreneurs into global markets. She later trained as a policy specialist at the London School of Economics in the UK.

Her life as an activist was enabled by education, commencing her career as a young researcher in disability, children and women issues and later as a business linkage mentor at the Small Business Development Agency (SBDA). This led to her participation in South Africa's Constitution-making research process after the release of former President Nelson Mandela from prison. Dr Mahlati was also involved in the first UNICEF Status on Women and Children report in South Africa.

During this period, and as part of her research, she visited Zimbabwe, received by Joshua Malinga, disability activist and then mayor of Bulawayo, interviewing other leaders who exposed her to Zimbabwe's change agenda and indigenisation. Seeing the possibility of redress, gave her new insights and inspiration and she returned home to register her own consultancy, allowing her to frame and drive the change agenda.

In the mid-2000's, Dr Mahlati convened the technical team that facilitated the launch of the India Brazil South Africa (IBSA) Women's Forum, premised on the call for "an inclusive macroeconomic framework". This culminated in the signing of the Memorandum of Understanding in India in October

2008, by the three heads of state.

In March 2009, she was a South African delegate and Technical Advisor for the Presidency to the United Nations Commission on the Status of Women, where she presented on the financial crisis theme. This enhanced South Africa's contribution to bringing urgency and intensifying the global call for inclusive economic growth and development.

In May 2010 Dr Mahlati was appointed by the President to serve for a period of five years, as one of the inaugural members of South Africa's National Planning Commission. In September 2018 she was appointed by the President to Chair the Advisory Panel on Land Reform and Agriculture.

Her directorships are many and include previously chairing the South African Post Office (including the Postbank) membership of the Financial Markets Advisory Board and Financial Services Board Licensing Committee. She previously served two terms as President of the International Women's Forum (IWF) South Africa, and is currently the global director of the IWF Board and Co-Chair of the IWF Presidents' Council.

Dr Mahlati's entrepreneurial experience includes participation in major business ventures that include the listed Sasol Oil. As a social entrepreneur, she owns Africa's first indigenous goats cashmere processing plant in Butterworth, Eastern Cape, and through this initiative has helped revive the clothing and textile industry using inclusive rural value chains. She serves as President of the African Farmers Association of South Africa (AFASA) and is a member of the IDC Agroprocessing Competitiveness Fund.

She has been a recipient of the Black Management Forum Presidential Award, as well as the Black Business Executive/ ABSA Kaelo (guidance and wisdom) Award and in 2014, received the Mail and Guardian, Southern Africa Trust Individual Award for Drivers of Change.

For her contribution to bringing urgency and intensifying the global call for inclusive economic growth and development, and to her scholarship and praxis of entrepreneurship and economic development, particularly in marginal rural economies, it is an honour for Nelson Mandela University to confer the degree of Doctor of Philosophy (honoris causa) on **Dr Vuyo Mahlati**.

Honorary Doctoral Recipient

Sibongile Mkhabela – Doctor Of Philosophy (Honoris Causa)



Sibongile (Bongi) Mkhabela, a social worker by profession and a passionate social activist by orientation is the current Chief Executive Officer of the Nelson Mandela Children's Fund as well as the Nelson Mandela Children's Hospital Trust.

Her first steps as an activist were intuitive rather than political; as a child she recognised and questioned the banal and common indignities that shaped black lives. Bongi later became a student leader and was part of the driving force behind the nation-wide June 16,

1976 student revolt, a turning point in South Africa's anti-apartheid struggle.

She was charged with 10 other students for sedition in what became known as the "Soweto 11" Trial. In 1981, six years after the 1976 protests, she was finally released. Time spent in the women's prison resolved her commitment to fighting for the dignity of black lives and strengthening the position of African women.

Bongi was trained by The Legal Resources Centre as a para-legal and founded the Zola Advice Office offering practical, social and para-legal advice and assistance to people living under the rule of an oppressive state. Building on her work at Zola, she proceeded to establish the National Advice Centre's association advocating for women's rights.

After the completion of her graduate studies, she headed up the Development Resources Centre which drove research aimed at creating an enabling environment for civil society. The work led to the formation of the SA Non-Governmental Organisations Council and contributed to the formation of the National Development Agency.

Part of that experience saw her work in senior positions for the United Nations Development Programme; serve the first

democratically elected government as a Director in the Office of Deputy President Mbeki responsible for programming with specific reference to civil society-government partnerships as well as overseeing the implementation of the UN Children's Charter.

In her tenure as CEO of the Nelson Mandela Children's Fund, Bongi embraced Nelson Mandela's mission to change how society treats the African child and in the last decade, has been on a journey to ensure that the country's children have access to world-class tertiary healthcare and institutions devoted to their care. She led the Nelson Mandela Children's Hospital Trust's, R1b capital campaign for the building and equipping of the Nelson Mandela Children's Hospital. The Hospital is the second of its kind in Southern Africa and provides, state-of-the-art tertiary paediatric care and aims to improve the quality of paediatric research and training in Sub-Saharan Africa.

A graduate from the University of Zululand she is also a Joel L. Fleishman Civil Society Policy Fellow at Duke University in North Carolina, USA, and completed her post-graduate Business Management studies with the University of the Witwatersrand Business School in Johannesburg. In 2017, Mkhabela was awarded a Rockefeller Foundation Fellowship in Italy, a residency to reflect and write on her experiences and the future of social justice movements.

In April last year, Bongi was awarded The National Order of Luthuli (Silver) by the President of South Africa, Mr Cyril Ramaphosa. She serves on various boards, including Senegal-based Trust Africa and the USA-based Global Philanthropy Alliance. She recently stepped down (after 12 years of service) from Barloworld, a listed global company where she served, among others, as Chairman of the Ethics and Transformation Committee.

Her novel Open Earth and Black Roses recounts the ordinary and extraordinary tales of black families in Apartheid South Africa and she tells her personal experience as a young woman imprisoned, restless and resisting social injustice.

In recognition of her fight against apartheid; her continued work in social justice and for her excellent contribution to the well-being of South Africa's children, it is an honour for Nelson Mandela University to confer the degree of Doctor of Philosophy (honoris causa) on **Sibongile Mkhabela**.



Honorary Doctoral Recipient

Reverend Frank Chikane – Doctor of Philosophy (Honoris Causa)



Reverend Frank Chikane matriculated from Orlando High School in Soweto in 1971 and proceeded to the University of the North (Turfloop), now the University of Limpopo, in 1972 to study science.

Following the Frelimo Rally in 1974 which led to the arrest of student leaders, and forced some students into exile, Chikane was made leader of the Student Aid Committee which played the role of the SRC. He gave evidence on behalf of the students at the Snyman Commission on

the unrest on campus, and due to his role as a leader, was advised not to return to the university for his own safety.

After leaving university he taught Mathematics and Physical Science at Naledi High School in Soweto, but the Security Police put pressure on the school to force him to leave. He then joined Christ for all Nations (CFAN) in 1975, convinced of God's calling in his life. Again, the security establishment threatened CFAN and he left to work as an evangelist with his church, the Apostolic Faith Mission (AFM). In 1979, he completed his training as a pastor at the AFM and was ordained in March 1980. He was subsequently defrocked in 1981 due to his political involvement and reinstated with an apology nine years later in 1990.

Chikane was detained and severely tortured on various occasions between 1977 and 1982. He was part of the founders of the United Democratic Front (UDF) and served as its Vice-President from 1983 to 1985. In February 1985 he was arrested, charged and tried for treason with sixteen other leaders of the UDF, including Albertina Sisulu, and was acquitted in December of the same year. He later continued his education, obtaining a master's degree in Religious studies from the University of Natal (now Kwa-Zulu Natal) and a master's in Public Administration from the Kennedy School of Government, Harvard University.

He served as a Co-ordinator and then Director at the Institute of Contextual Theology (ICT) from 1981 to 1987 when he was appointed General Secretary of the South African Council of Churches (SACC), replacing Dr Beyers Naudé.

He had the task of carrying the organisation through the most challenging times characterised by the worst forms of repression, gross violation of human rights and violence. Following the bannings and restrictions imposed on most organisations in 1988, the SACC became the only voice of the people. Consequently, its Headquarters was bombed and Chikane's clothes were laced with a chemical weapons substance which nearly led to his death. He played an important role during the negotiation period, and transition from apartheid to a democratic South Africa, including serving as a Commissioner of the Independent Electoral Commission (IEC) which ushered in the new democratic order. Chikane's influence in the 1980s and the 1990s cannot be overstated.

He became a Special Advisor to Deputy President, Thabo Mbeki, in 1995; was appointed Director General in the Office of the Deputy President in 1996, and a Deputy Secretary of the Cabinet in 1998. After the 1999 elections he was appointed Director General in the Presidency and Secretary of the Cabinet, where he remained until 2009. He was also elected to the National Executive Committee (NEC) of the ANC in 1997.

He has published several articles and books including his 1988 autobiography *No Life of My Own*, his 2012, *Eight Days in September: The Removal of Thabo Mbeki*, which was preceded by the so-called 'Chikane Files' published in several Independent newspapers, and his 2013, *Things That Could Not be Said*.

Other positions and accolades bestowed on Rev Chikane include his appointment as a Senior Research Fellow in the Department of Religious Studies at UCT, President of the AFM International, the Swedish Diakonia Peace Prize for Outstanding Theology Contribution for Justice and Peace in SA and the Peace and Freedom Prize from the Swedish Labour Movement. He has served in various boards of companies and continues to do so. He now serves as Moderator of the Churches Commission on International Affairs (CCIA) of the World Council of Churches (WCC) which deals with conflict areas globally.

For his contribution as a servant leader, his tireless pursuit of justice, peace, conflict resolution and reconciliation; establishing the architecture of democratic governance in a post-apartheid state; developing and promoting the vision of the African Renaissance and consistently placing people at the centre of socio-economic development, it is an honour for Nelson Mandela University to confer the degree of Doctor of Philosophy (honoris causa) on **Reverend Frank Chikane**.



Honorary Doctoral Recipient

Professor Morgan Chetty – Doctor of Philosophy (Honoris Causa)



Prof Mohambry (Morgan) N Chetty has been at the helm of Family Medicine for about 40 years. He has dedicated his life to promoting access to quality healthcare, with a focus on the poor, and being patient-centered.

He obtained his MBChB from the University of Natal and has completed numerous other medical qualifications from both South African and American institutions. Healthcare in the private sector was in chaos. It was divided on ethic

lines, a huge public/private divide, poorly coordinated and very system-centric, health professional and hospi-centric focused.

In 1998, he single-handedly raised funds and gathered doctors together to start the first truly democratic doctor organisation, The South African Managed Care organisation. He was elected as the Vice-Chairperson and he still holds that position today. The ethos was to bring doctors together to be cost-efficient, to be custodians of our scarce resources and to deliver holistic quality care. He was also instrumental in the erection of one of the first Black owned hospitals post-apartheid in Durban, Mount Edgecombe Hospital.

There was a need to bring together ethically divided healthcare practitioners in South Africa and once again, Prof Chetty led the team to establish an umbrella organisation, the Independent Practitioners Association of South Africa. This was the turning point as the country saw doctors unite for the common purpose of "caring" for patients, managing scarce resources and striving for quality outcomes. Prof Chetty is the Chairman of the IPA Foundation of SA (Independent Practitioners Association) and is also the Chairman of the regional IPA – The KZN Doctors Healthcare Coalition.

He was awarded the Faculty of Family Practitioners Fellowship

for his outstanding work amongst Family Practitioners by the College of Medicine in SA and won a Fullbright Humphrey Fellowship to the USA in 1993 where he obtained a Master's in Public Health at Tulane University in New Orleans.

Prof Chetty has written over 80 articles and columns on healthcare for various national and international medical journals and publications. He is also regularly involved in radio and TV interviews and is often quoted in the press. Prof Chetty is the author of two books on "Managed Health Care".

He has organised the Africa Healthcare Congress in SA for the past six years and most recently, was involved in the organising of the Africa Health Business Symposium, bringing together high-ranking health officials from Africa and abroad to debate the issue of universal healthcare in Africa.

In 2018, he was appointed by the Minister of Health to the NHI (National Health Insurance) GP Contracting Committee and also onto the Board of the "Office of Health Standards Compliance" (OHSC). This body will accredit all facilities, providers and other health establishments to work for the NHI Programme.

Prof Chetty is a member of the International Academy of Quality and Safety (IAQS) and on the Patient-Centered Committee to drive the paramount role of the patient in healthcare decisions - membership of the Academy is one of the highest honours that an Individual working in the area of Quality and Safety can achieve. In addition, he was also appointed as an ISQua (The International Society for Quality in Health Care) Expert Member.

He was recently awarded the Discovery Health Lifetime Achievement Award for work in the quality of healthcare, Lifetime Membership to the International Academy of Quality and Safety (IAQS) and received the Dr Humphrey Zokufa, Titanium Lifetime Achievement Award (BHF) – for Significant Contribution to the Healthcare Industry over time.

For his contribution in upskilling doctors in South Africa, leading 5000 primary care doctors and the empowerment of patients on patient rights, it is an honour for Nelson Mandela University to confer the degree of Doctor of Philosophy (honoris causa) on **Professor Morgan Chetty**.



Academic dress

Special academic attire was designed for office bearers at Nelson Mandela University to be worn at prestigious academic events like graduation.

Each outfit – from that of the Chancellor and Vice-Chancellor to those of the Executive Deans – has been meticulously selected to signify a particular office; this is a tradition that is consistent with leading universities throughout the world.

The gowns, caps and hoods of Nelson Mandela University graduates were similarly inspired and are explained in detail below.

Academic dress for graduates at Nelson Mandela University is as follows:

Doctoral degrees

Gown: Cardinal red polyester cashmere gown with long pointed sleeves pleated up with blue cord and button and lined with blue satin with 125mm facings and a blue collar.

Hood: Full shape hood in cardinal red polyester cashmere lined with faculty colour satin and edged around the cowl with 75mm faculty colour ribbon with 15mm blue ribbon overlaid central. 50mm wide straight neckband in cardinal red polyester cashmere, 25mm faculty colour ribbon in centre of neckband with 15mm blue ribbon overlaid central to faculty ribbon.

Cap: Round doctor's bonnet in black velvet with faculty colour cord and tassel.

Master's degrees

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail is used.

Hood: Full shape blue hood lined faculty colour satin and edged around the outside of the cowl with 75mm faculty colour with ribbon. 50mm straight neckband in blue with 25mm faculty colour ribbon centred.

Cap: Black mortarboard with blue tassel.

Postgraduate diplomas

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined silver grey satin. Straight neckband with 15mm faculty ribbon on top edge of neckband and around cowl. 15mm silver grey ribbon on bottom edge of neckband and around cowl spaced 20mm away from the faculty colour.

Cap: Black mortarboard with blue tassel.

Bachelor honours degrees

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined silver grey satin with 50mm wide straight neckband in faculty colour. Cowl edged 75mm faculty colour ribbon on the outside. 15mm silver grey ribbon runs along the outer edge of the cowl, overlaid on faculty ribbon and on top edge of neckband.

Cap: Black mortarboard with blue tassel.

Four-year bachelor's degrees (including Bachelor of Technology degrees)

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined silver grey satin with 50mm wide straight neckband in faculty colour. Cowl edged 75mm faculty colour ribbon on the outside. Silver grey cord runs along the outer edge of the cowl, overlaid on faculty ribbon and on top edge of neckband.

Cap: Black mortarboard with blue tassel.

Three-year bachelor's degrees

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined with silver grey satin with 50mm wide straight neckband in faculty colour. Cowl edged 75mm faculty colour ribbon on the outside.

Cap: Black mortarboard with blue tassel.

Advanced diploma

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined with silver grey satin with 50mm wide straight neckband. 15mm faculty colour ribbon on top and bottom of neckband around cowl.

Cap: Black mortarboard with blue tassel.

Diploma

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood with 50mm wide straight neckband. 25mm faculty colour ribbon on centre of neckband.

Cap: Black mortarboard with blue tassel.



Faculty colours

Arts: Yellow

Business & Economic Sciences: Plum

Health Sciences: Apple green

Law: Grey blue

Education: Orange

Science: Dark green

Engineering, the Built Environment and Information Technology: Light blue

Business School: Black and magenta



Messrs T. Birch & Co (Pty) Ltd and its subsidiary, Croft Magill & Watson (Pty) Ltd, have been appointed as official robe maker to the university and as contracted suppliers of choice to students for graduation academic attire.

Photos In Seconds has been appointed as the official photographer of the university.



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 alumnus.

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 alumnus of the university and a member of the Nelson Mandela University Alumni Association. The Association is recognised 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 Association Office

The Alumni Association Office is a public relations and projects department responsible for the day-to-day management and running of the Alumni Association, the University Shop and all matters related to alumni engagement. Primarily, we build relationships and maintain strong links with graduates, parents, friends and supporters of the university through events, networks, services, communications and community engagement.

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. We encourage a culture of giving back especially for student bursaries, which can be accessed on our alumni website.

University Shop

Visit the University Shop situated at the Sanlam Student Village on University Way, Summerstrand, for all Nelson Mandela University branded clothing, corporate gifts, bags and memorabilia!

Lifetime connection with Nelson Mandela University



We are proud of our alumni and value your connection.


We encourage you to stay in touch by updating your graduate profile. We will keep you informed with university developments and graduate news through our event invitations, project and campaign updates, regular e-newsletters via our website and social media channels.

Your graduate profile link <https://mandela.devman.co.za/Devman/alumni/findme/>

We welcome your visit to the Alumni Associates Centre on North Campus in Port Elizabeth.

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

Join us:   Nelson Mandela University Alumni

www.alumni.mandela.ac.za  @MandelaUni

Stay connected to your *alma mater*!







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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