

CONGRATULATORY MESSAGE

Graduation is a milestone event deserving of celebration. It is the culmination of an academic journey over many years in which you worked hard, persevered and no doubt overcame many challenges. You and your loved ones have made many sacrifices in pursuit of your qualification. You have acquired new knowledge in your chosen field, and grappled with matters deserving of our collective attention, like sustainability, poverty and social injustice.

Yes, such a crowning moment in your life must be acknowledged and celebrated with pride and joy.

This joy is ours too, for graduation is the highlight of our University calendar as we witness successful students cross the stage to be capped and enter a new chapter of their lives. Each of you has a unique story to tell and an exciting journey ahead.

While we are confident that Mandela University has equipped you with an excellent academic qualification for the challenges of life and work to come, we are equally hopeful that you will live the legacy of our namesake.

With the honour of being the only University in the world to bear the name of one of the world's greatest icons, Nelson Mandela, comes huge responsibilities. Nothing less than adhering and advancing the efforts of our former President will suffice. You are encouraged to continue his and our quest towards a more just, healthy and equal society.

Regardless of your chosen career, use your new-found qualification as a force for good, strive to serve a cause larger than yourself and endeavour to change the world for the better. As in the words of Nelson Rolihlahla Mandela himself "education is the most powerful weapon which you can use to change the world".

We thank you for entrusting your dreams with us. It's you who make us want to do better, for it's you, our students, who give our institution a human face. It's you who will live his and our legacy.

We applaud and salute your achievement and wish you all the best in your future endeavours. As Nelson Mandela University alumni, we look forward to watching your story unfold.

Congratulations!

Dr Geraldine Fraser-Moleketi
Chancellor



Prof Sibongile Muthwa
Vice-Chancellor



ABOUT NELSON MANDELA UNIVERSITY

Nelson Mandela University is a new generation university, distinguished by a wide range of study options and access routes open to students. With 470 programmes from certificate through to doctoral level across 200 different career fields, Nelson Mandela University truly is a comprehensive university.

Founded on more than a century of quality higher education, Nelson Mandela University nurtures innovation, fosters creativity, embraces technology and develops people towards changing the world for the better. The University was previously known as Nelson Mandela Metropolitan University (NMMU), but on 20 July 2017 it was officially re-launched as Nelson Mandela University – the only university in the world to have been given this privilege. Our alumni also come from the University of Port Elizabeth, the PE Technikon and Port Elizabeth campus of Vista University, as these three institutions were combined to form NMMU in 2005.

The University has a strong record of research, working extensively in partnership with business and industry, and has an even more exciting future ahead of it, especially in terms of its contribution to the socio-economic development of the metro, region, country and continent of Africa.

This is due, among other new and growing ventures, to Nelson Mandela University's bold journey towards becoming the leading destination for all Ocean Sciences postgraduate teaching, learning, research and engagement in Africa with the launch of its dedicated campus in September 2017.

Our campuses

The launch of the Ocean Sciences Campus means Nelson Mandela University now has seven campuses and about 27 000 students.

Six of Nelson Mandela University's campuses are in Nelson Mandela Bay and one is in George on the Garden Route. The seven campuses are:

- South Campus in Summerstrand (within a 720-hectare private nature reserve)
- North Campus in Summerstrand
- Ocean Sciences Campus, adjacent to North and South campuses in Summerstrand
- Second Avenue Campus, home to our "green" Business School, in Summerstrand
- Bird Street Campus, a growing postgraduate arts hub in Central
- Missionvale Campus in Missionvale
- George Campus in George

Facilities and supportive teaching and learning environment

Nelson Mandela University is privileged to have outstanding facilities. All students have access to well-equipped laboratories, some of which are open 24/7, and free Wi-Fi throughout all its campuses. All lecture halls are equipped with the latest technology and students have the opportunity of using additional e-learning tools online. The campus libraries and information services network offers a state-of-the-art integrated online system. There are cafeterias, food courts and coffee shops.

A range of opportunities is provided to enhance the academic success of students. These include a first-year orientation programme, peer-facilitated learning opportunities (eg, Supplemental Instruction, e-PAL, tutorials, practicals, mentor programmes, 'Keys to Success' workshops and online resources). The University also promotes learning and development beyond the classroom towards enhancing holistic student development. To recognise this learning, Nelson Mandela University has developed an innovative, electronic co-curricular record system. This record complements the students' academic record.

The University also offers the finest sporting facilities in the Eastern Cape and numerous venues for conferences, meetings and other special events.

Faculties

Nelson Mandela University has seven faculties. They are:

- Arts
- Business and Economic Sciences
- Education
- Engineering, the Built Environment and Information Technology
- Health Sciences
- Law
- Science

Academic focus areas

Though the University prides itself on its vast range of programme offerings, it has a number of strategic areas in terms of its core business of teaching and learning, research and engagement. These are:

- Health and wellness
- Economic and business development with a focus on job creation and entrepreneurship
- Materials and process development for industry and manufacturing
- Emerging information and communications technology for development
- Environmental and natural resource management
- Culture, communication and language
- Leadership, governance, democracy and justice
- Educational development in support of excellence in teaching, learning and curriculum
- Infrastructure and human settlement development

Strategic research areas

- Biodiversity conservation and restoration
- Coastal marine and shallow water ecosystems
- Cyber citizenship
- Democratisation, conflict and poverty
- Earth Stewardship Science
- Health and wellbeing
- Humanising pedagogies
- Manufacturing technology and engineering
- Nanoscale characterisation and development of strategic materials
- Science, Mathematics and Technology Education for Society
- Strategic energy technologies
- Sustainable human settlement development and management
- Sustainable local economic development

Research and Engagement entities

Nelson Mandela University has more than 30 focused institutes, centres and units that exist over and above the formal academic structures. These are aimed at promoting research, technology transfer and innovation. They include the likes of InnoVenton, the University's go-getting Institute for Chemical Technology and Downstream Chemicals; eNtsa, an institute that focuses on seeking solutions through engineering; Earth Stewardship Science Research Institute (ESSRI); and the Institute for Coastal and Marine Research. Many are award-winning entities. The University also has many more engagement institutes, centres and units and two clinics serving society in various initiatives. Its mobile Zanemphilo health platform, for example, serves both indigent communities and its Health Sciences students with practical experience. The latter forms part of the growing Interprofessional Education (IPE) that will undergird the University's Health Science qualifications as it moves towards the formalisation of its Medical School.

'Green' endeavours

In line with its value of respect for the natural environment, Nelson Mandela University is involved in a large number of "green" initiatives that will not only reduce its own carbon footprint but is also assisting others in seeking renewable energy resource solutions. The University's Business School, for example, was the first in the country to be awarded four-star "green" accreditation for a public and education building by the Green Building Council of South Africa in 2013. The "green" agenda is supported by the Centre for Renewable Energy, which is recognised as a research leader in the field, and the University's overriding strategic priority towards all-round environmental economic and environmental sustainability.

International links

About 8% of the University's student body comes from 84 different countries outside of South Africa. The Office for International Education fosters relationships and manages inter-institutional linkages to enrich both Nelson Mandela University staff and students. These partnerships also foster our growing research.

Reasons to be proud:

- Nelson Mandela University is the only University in the world to be named after the global icon Nelson Mandela.
- Nelson Mandela University's diversity and multiculturalism. Our African students come from 32 countries on the continent.
- The Centre for High Resolution Transmission Electron Microscopy (CHRTEM) is the only place in Africa where scientists can view atoms in line with the University's growing prominence for nanoscience.
- The University was chosen to host the country's 10th Medical School, and hopes to welcome its first cohort of medical students from 2020.
- 43% of our academic staff have doctoral degrees, which is above the national average.
- New infrastructure like the second iconic Engineering block on North Campus, the High Performance Complex complete with a 100m research sprint track, and the Science building on South Campus.
- The University has the only dedicated Ocean Sciences campus in South Africa and is working together across disciplines – from the Arts through to Zoology – to find innovative, sustainably solutions in growing the country's blue economy.
- Nelson Mandela University has excellent links with industry and business, particularly within the pharmacy, tourism, the automotive industries and now with all Ocean Sciences-related partners.
- Nelson Mandela University's ongoing education partnership of ten years with Fifa, as one of only two presenters in Africa of an international sports management programme through the Centre International d'Etude du Sport (CIES).
- In 2012 the University was selected to facilitate the country's first electric e-mobility programme and technical centre, called the uYilo e-mobility programme.
- The University has extensive expertise within the field of friction processing which has resulted in numerous national awards for the patented technology, WeldCore[®]. This technology has saved industry vast sums of money.
- Nelson Mandela University's accounting and pharmacy students who continue to produce top results in their national external examinations.
- The University's international award-winning choir which continues to perform around the globe to wide acclaim.

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.

The Image Factor has been appointed as the official photographer of the University.

RE-IMAGINING GRADUATION AT NELSON MANDELA UNIVERSITY

Our new name, evolving identity and institutional vision offers us an ideal opportunity to collectively explore how we would like to celebrate graduation at Nelson Mandela University.

What should an African university graduation associated with one of the world's most iconic leaders, the late Nelson Mandela, look and feel like?

It is this question that is presently being asked of Nelson Mandela University alumni, staff and students via surveys, focus groups and informal discussions.

We want our graduation ceremonies to offer an authentic expression of who we are ... one that embraces our rich multi-cultural diversity.

Examining all parts

To do so, the focus groups and surveys have examined our new identity, why we celebrate and how we should celebrate – particularly graduation, which is the apex of the academic journey of commitment, sacrifice and an affirmation of our intellectual ability.

What is the best format of our ceremonies? How do we visually express our success? How do we celebrate within socially acceptable norms – norms that embrace all cultures with dignity and pride? How should we dress?

Feedback

The input received to date from the university's key stakeholders in painting a picture of our future graduation ceremonies, has been consistently shared, in a parallel process, with a design team which won a tender to design new academic gowns for office bearers. This does not include gowns worn by graduates, but rather those worn by the likes of our Chancellor, Vice-Chancellor and Chairperson of Council, our deans, the Registrar and other key academic staff.

Interestingly, there has been overwhelming support to retain the academic gowns but in a manner befitting of our vision as a “dynamic African” university.

The new gowns, along with other agreed-upon aspects of our graduation ceremonies – from their size through to the supporting cultural performances – will hopefully be finalised in time for our 2018 Summer Graduation

AUTUMN GRADUATION CEREMONIES APRIL 2018

Friday, 13 April 2018	
Ceremony 1	10:00 George Campus All Programmes
Wednesday, 18 April 2018	
Ceremony 2	09:30 Faculty of Business and Economic Sciences (School of Industrial Psychology & Human Resources, Graduate School and others) Faculty of Law Two Honorary doctoral degrees
Ceremony 3	14:30 Faculty of Business and Economic Sciences (School of Management Sciences) One Honorary doctoral degree
Thursday, 19 April 2018	
Ceremony 4	09:30 Faculty of Science (School of Computing Sciences, Mathematics, Physics & Statistics and School of Biomolecular & Chemical Sciences)
Ceremony 5	14:30 Faculty of Science (School of Environmental Sciences)
Friday, 20 April 2018	
Ceremony 6	09:30 Faculty of Engineering, the Built Environment and Information Technology (School of the Built Environment and School of Information & Communication Technology)
Ceremony 7	14:30 Faculty of Engineering, the Built Environment and Information Technology (School of Engineering)
Saturday, 21 April 2018	
Ceremony 8	09:30 Faculty of Arts (School of Architecture; School of Music, Art & Design and School of Language, Media & Culture)
Ceremony 9	14:30 Faculty of Arts (School of Governmental & Social Sciences) Faculty of Education
Monday, 23 April 2018	
Ceremony 10	09:30 Faculty of Business and Economic Sciences (School of Accounting)
Ceremony 11	14:30 Faculty of Business and Economic Sciences (School of Economics, Development & Tourism)
Tuesday, 24 April 2018	
Ceremony 12	09:30 Faculty of Health Sciences (School of Clinical Care Sciences and School of Medicinal Sciences)
Ceremony 13	14:30 Faculty of Health Sciences (School of Behavioural Sciences and School of Lifestyle Sciences)

OFFICE-BEARERS OF THE UNIVERSITY

CHANCELLOR

DR GJ FRASER-MOLEKETI: MAdmin (UP), DPhil (hc) (NMMU)

CHAIRPERSON OF COUNCIL

MS 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 (ACTING): 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)

REGISTRAR

DR F GOOLAM: BSc, HDE, BEd, MEd(UDW), PhD(UP)

PRESIDENT OF ALUMNI ASSOCIATION

DR R JONAS: BA(UWC), HDE, BAHons(Unisa), MA(UPE), PhD(NMMU)

EXECUTIVE DEANS OF FACULTIES:

ARTS

PROF MJR BOSWELL: BSocSc, BSocScHons, MSocSc(UCT), PhD(Vrije Universiteit, Netherlands)

BUSINESS AND ECONOMIC SCIENCES

PROF HR LLOYD (ACTING): 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), BPhil(US), MCom(UKZN)

ORDER OF PROCEEDINGS

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)

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)

INFORMATION TO MEMBERS OF THE CONGREGATION

Members of the congregation are requested:

- *To rise and remain standing while the academic procession enters and leaves the hall.*
- *Not to leave the hall before the end of the ceremony.*
- *To switch off cellular phones or turn them on silent mode.*
- *Not to move around in the hall.*
- *Not to eat and drink in the hall.*
- *Not to get up and take photographs during the ceremony.*
- *To keep cheering and ululating to a minimum.*

The words *Cum Laude* indicates in the text below that the diploma or degree is awarded with distinction to the candidate/s listed.

NATIONAL DIPLOMA: AGRICULTURAL MANAGEMENT

BOOI, Nikiwe
CUJANA, Yandisa
CUTU, Nonzaliseko
DINGISWAYO, Xolisile
DYODO, Thabiso
DYWILI, Zintle
FELEZA, Siseko
HANEKOM, Pelsler
JEZILE, Chumani
KHOZA, Chummy Sinegugu
KOLWENI, Asanda Elethu
KONDLO, Yamkela
KWANINI, Lisa Ziyanda
MABANDLA, Okuhle
MADIKIZELA, Lelethu
MAHALA, Lungelwa Pakama
MAHLANYANA, Sonwabile
MAJEKE, Zukani
MAKALA, Aphiwe
MANQOLA, Zikisa
MASELANA, Asanda
MATROSE, Nolubabalo
MAVUSO, Akhona
MAYEKISO, Athini
MBADLANYANA, Simamkele
MBALEKI, Zola
MBALEKWA, Noluvuyo
MBANGO, Sonwabo
MBULAWA, Esethu
MBUMBULWANA, Sivuyile
MHATU, Sinovuyo Canida
MJUQU, Sibonelo Penuel
MNINI, Yandiswa Yonela
MNUKWA, Thembelihle
MPONDZO, Luvokazi
MQINA, Mzolisi
NDLOVU, Sphumelele Puleng Charlotte
NGCOBO, Sbusiso
NJILI, Zamazima
NOMLALA, Asiphe
NTLANGA, Phumzile
NTONGANA, Simamkele
NTWANAMBI, Lusanda
NYOSI, Apiwe
PANGUMSO, Nompilo Happiness
RADALI, Adivhaho Everest
SILIBALI DLATHU, Sinazo
SONTLABA, Zilulutho Noludwe
THEKWANA, Thembelihle
TSHUTSHANE, Ziphiwo
ZWANE, Ayabonga Nkanyiso

CUM LAUDE

KOLANISI, Noxolo

NATIONAL DIPLOMA: GAME RANCH MANAGEMENT

BOTHA, Dirk-Andre
BOTHA, Tikita
CAGNI, Joshua
DE NECKER, Anouschka
HESLINGA, Pieter Frederik
MARAIS, Samantha Mae

MPHEPHU, Tshifhiwa Rudolph
NELL, Thomas George
PRETORIUS, Danelle
PUTNAM, Chad Russel
RICHARDSON, Bronwyn Joan
THERON, Pieter
VAN DER WESTHUIZEN, Izak Johannes
VILJOEN, Christoffel Johannes Botha
WOLMARANS, Jaco

CUM LAUDE

MAC LEOD, Chezney Kim

BACHELOR OF SCIENCE

BADI, Lindelwa
BANDA, Shamiso
BERKLAND, James Matthew
BERNABAS, Lord- Carrington Numo
BOOI, Hulisani
CLOETE, Andre'
DUBAZANA, Yakhuluntu
GARIREMO, Natasha Rumbidzai
GRASSI, Cameron Michael
GRIEBENOW, Robert Ernest
HARTLEY, Oliver
HEATH, Danielle
HENNING, Shane
JULIE, Corianna Lauren
LEBESE, Felicia Emily
LEHMAN, Tevan William Key
LUCAS, Joanne Ayla Aleena
MAHLEBA, Masivuye Momelezi
MAHWEHWE, Anesu Angela
MAKWENKWE, Ntombozuko Portia
MASINDI, Avhasei
MAXAMA, Asakhile
MBANA, Unathi
MBUQE, Nandipha Germina
MC ARTHUR, Brogan Erin
MJALI, Siphathisiwe
MOODLEY, Avveshan
MUSA, Sameera
NEL, Marele Annette
NOBHEQWA, Sinalo Kamva
SAO, Emmanuel Kwabena Boateng
VALASHIYA, Khaya
WASSERMAN, Johan De Wet
ZANONCELLI, Luca Guy

CUM LAUDE

ANDERSON, Rebekah Leigh
BEHRENS, Kirsty
WIENAND, Nicole Nadine

BACHELOR OF TECHNOLOGY: AGRICULTURAL MANAGEMENT

DINGA, Vuyokazi Thelma
GCISA, Phila
KONDILE, Khonjiswa
LAMONT, Colin

MADONONO, Liyabona
MBITYI, Zintle
MTSHONTSHI, Avela
MTUKUSHE, Phumza
NOMBEWU, Liliso
SAMBOKWE, Vusumzi
SEJOSENGOE, Katleho
SIYENGO, Ntomboxolo
STUURMAN, Sibulele
TAKAYI, Onesimo Ziyanda
TEFFO, Mmabatho Lucy
VUMISA, Yolanda Khanyisile
ZASAWA, Siphosethu

BACHELOR OF SCIENCE HONOURS

MDODANA, Mandilakhe
(Botany)
SOMTSEWU, Andiswa
(Environmental Geography)

BACHELOR OF SCIENCE HONOURS IN BOTANY

CHETTY, Ranita
GCINA, Sinenjongo
LIDDELL, Duncan Carlyle

BACHELOR OF SCIENCE HONOURS IN ENVIRONMENTAL GEOGRAPHY

FERREIRA, Lise
KHAN, Bushraa
MAPHOSA, Sean Tafara
MAXAMA, Asakhile

BACHELOR OF SCIENCE HONOURS IN GEOGRAPHICAL INFORMATION SYSTEMS

AROSI, Oyama
BAVUMA, Lukhanyiso

BACHELOR OF SCIENCE HONOURS IN GEOLOGY

BUHLUNGU, Zilungile
DEE, Charissa
DYAN, Siyasanga
MQANYA, Sinenhlanhla Fortunate
NAIR, Sabarinathan
TSHABALALA, Sipiwe Mswati
VAN JAARSVELD, Ruan
ZINIKELE, Nkosikhona

CUM LAUDE

BUCKSEY, Rachel Margaret
CLARK, Fiona
DODD, Carla

MASTER OF SCIENCE (RESEARCH)

BORNMAN, Eugin
(Zoology)

Title of dissertation:

AN APPRAISAL OF WARM-TEMPERATE MANGROVE ESTUARIES AS FOOD PATCHES USING ZOOPLANKTON AND RNA: DNA RATIOS OF GILCHRISTELLA AESTUARIA LARVAE AS INDICATORS

Supervisor: Prof NA Strydom

CALITZ, Wynand
(Botany)

Title of dissertation:

SPATIAL AND TEMPORAL HETEROGENEITY OF PLANT FLAMMABILITY

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

CARVALHO, Shandon Luke
(Botany)

Title of dissertation:

THE ASSOCIATION OF THE BUSHCLUMPS OF CALCRETE BONTVELD WITH ADJACENT THICKET

Supervisor: Prof EE Campbell

COETZER, Crystal Jeanne
(Zoology)

Title of dissertation:

PROTECTED AREA EXPANSION AND CONSERVATION STEWARDSHIP IN THE OLIFANTS CATCHMENT: MECHANISMS, PATTERNS AND BENEFITS

Supervisor: Prof GIH Kerley
Co-supervisor: Dr SD Holness

LONG, Chazanne Anita
(Geology)

Title of dissertation:

HYDROCHEMICAL ASSESSMENT OF MINE WATER DISCHARGING INTO THE SURFACE AND GROUNDWATER SYSTEMS THAT FLOW THROUGH THE CRADLE OF HUMANKIND WORLD HERITAGE SITE, SOUTH AFRICA

Supervisor: Prof MJ De Wit
Co-supervisor: Dr H Coetzee

ROUSSOUW, Natasha Kimberlee
(Botany)

Title of dissertation:

ASSESSMENT OF THE MICROALGAL COMMUNITY STRUCTURE AND BIOMASS IN SURFACE WATER BODIES OF THE EASTERN CAPE KAROO REGION EARMARKED FOR SHALE GAS EXPLORATION

Supervisor: Prof R Perissinotto
Co-supervisor: Dr MS Bird

SHAANIKA, Titus Mwiitantandje

Title of dissertation:

SITE FIDELITY AND HABITAT PREFERENCE OF INDO-PACIFIC BOTTLENOSE DOLPHINS (TURSIOPS ADUNCUS) IN ALGOA BAY, SOUTH AFRICA

Supervisor: Dr S Plön

WESTON, Ross-Lynne Alida
(Botany)

Title of dissertation:

MICROHABITAT AND BIOTIC STRUCTURE OF STROMATOLITE FORMATIONS

Supervisor: Prof R Perissinotto
Co-supervisors: Dr P-P Steyn and Dr GM Rishworth

DOCTOR OF PHILOSOPHY

BARAKAGIRA, Alex
(*Environmental Geography*)

Title of thesis:

TOWARDS A COMMUNITY BASED CONSERVATION STRATEGY FOR WETLANDS IN UGANDA

Supervisor: Dr AH De Wit

DE VYNCK, Jan Carlo
(*Oceanography*)

Title of thesis:

PRODUCTIVITY AND RESILIENCE OF INTERTIDAL RESOURCES AVAILABLE TO EXTANT HUMAN FORAGERS ON SOUTH AFRICA'S CAPE SOUTH COAST: BEHAVIOURAL IMPLICATIONS FOR EARLY HOMO SAPIENS

Supervisor: Prof RM Cowling
Co-supervisor: Prof RJ Anderson

DHANSAY, Taufeeq Goolam
(*Geology*)

Title of thesis:

ON THE EVOLUTION AND MECHANICS OF THE BRITTLE UPPER CRUST BELOW SOUTH AFRICA: IMPLICATIONS TOWARD THE SUSTAINABLE TRANSFORMATION OF EXPLORATION/EXPLOITATION IN THE EARTH'S CRITICAL

Supervisor: Prof MJ De Wit

DUKER, Robbert
(*Botany*)

Title of thesis:

THE EFFECTS OF FROST ON ALBANY SUBTROPICAL THICKET AND NAMA-KAROO SHRUBLAND IN SOUTH AFRICA

Supervisor: Dr AJ Potts
Co-supervisors: Prof RM Cowling and Dr DR Du Preez

GROBLER, Barend Adriaan
(*Botany*)

Title of thesis:

ROADS AND THEIR EFFECTS IN FYNBOS OF THE SOUTH-EASTERN CAPE IMPLICATIONS CONSERVATION AND MANAGEMENT OF ROAD VERGE VEGETATION

Supervisor: Prof EE Campbell
Co-supervisor: Dr DR Du Preez

LEMLEY, Daniel Alan
(*Botany*)

Title of thesis:

ESTUARINE MICROALGAL BLOOM DYNAMICS AT MULTIPLE TEMPORAL SCALES

Supervisor: Prof JB Adams
Co-supervisor: Prof S Taljaard

MARTIN, Kristen
(*Botany*)

Title of thesis:

POTENTIAL ECOPHYSIOLOGICAL AND PHYTOSOCIOLOGICAL IMPACTS OF FRACKING ON THE VEGETATION OF THE KAROO, EASTERN CAPE, SOUTH AFRICA

Supervisor: Prof EE Campbell
Co-supervisor: Prof MJ De Wit

NEL, Larize

(Zoology)

Title of thesis:

HABITAT USE OF IMPORTANT JUVENILE FISH SPECIES IN TEMPERATE ESTUARINE NURSERY AREAS WITH NOTES ON FEEDING ECOLOGY AND HISTORICAL SHIFTS TO ASSIST WITH CONSERVATION PLANNING, SOUTH AFRICA

Supervisor: Prof NA Strydom
Co-supervisor: Prof JB Adams

SNOW, Bernadette

(Botany)

Title of thesis:

LINKING PEOPLE'S NEEDS, PREFERENCES AND VALUES TO ECOSYSTEM SERVICES PROVIDED BY MARINE PHYTOPLANKTON OF ALGOA BAY, SOUTH AFRICA

Supervisor: Prof EE Campbell

VAN DER VYVER, Marius Lodewyk

(Botany)

Title of thesis:

FACTORS AFFECTING EFFECTIVE ECOLOGICAL RESTORATION OF PORTULACARIA AFRA (SPEKBOOM)-RICH SUBTROPICAL THICKET HABITAT AND ABOVEGROUND CARBON ENDPOINT PROJECTIONS

Supervisor: Prof RM Cowling
Co-supervisor: Dr AJ Mills

VAN NIEKERK, Lara

(Botany)

Title of thesis:

APPROACHES TO DETECTING AND ASSESSING PATTERNS, PROCESSES AND RESPONSES TO CHANGE IN SOUTH AFRICAN ESTUARIES

Supervisor: Prof JB Adams

DOCTORAL DEGREE CITATIONS

THE DEGREE OF DOCTOR OF PHILOSOPHY (ENVIRONMENTAL GEOGRAPHY)

ALEX BARAKAGIRA

Previous qualifications:

2006 MSc (Environmental and Natural Resources)

Makerere University, Uganda

Thesis:

TOWARDS A COMMUNITY BASED CONSERVATION STRATEGY FOR WETLANDS IN UGANDA

Wetlands in Uganda form a significant part of this country's natural resource base. However, unsympathetic policy frameworks and the over-reliance of people on agriculture, culminate in the systematic degradation of the wetlands. An attempt to mitigate this dilemma comes in the form of Wetland Management Agencies, but the exclusion of local community involvement renders them sterile. This study aims to address this challenge by formulating a Community Based Conservation strategy for wetlands in Uganda. The study applies a transdisciplinary approach with the necessary scientific rigor to satisfy the staggering informational demands of an effective Community Based Conservation strategy. Through an intensive fieldwork process, it reveals the previously unknown continuum of community based stakeholders who interact with wetlands within a complex system of (unsustainable) agricultural and other practices. The study highlights how unsustainable land use, combined with undefined property rights and questionable policy frameworks, drive the process of wetland degradation. This study synthesises these and related critical considerations, such as the dynamics of unsustainable land use and ineffective environmental governance into a promising Community Based Conservation strategy. Enabled by the necessary policy reforms that the study recommends, this strategy includes a wide range of community based planning, implementation, monitoring and evaluation components. This is likely to make a significant contribution to wetland conservation in Uganda.

THE DEGREE OF DOCTOR OF PHILOSOPHY (OCEANOGRAPHY)

JAN CARLO DE VYNCK

Previous qualifications:

1995 BA

University of Stellenbosch

2014 MSc

Nelson Mandela Metropolitan University

Thesis:

PRODUCTIVITY AND RESILIENCE OF INTERTIDAL RESOURCES AVAILABLE TO EXTANT HUMAN FORAGERS ON SOUTH AFRICA'S CAPE SOUTH COAST: BEHAVIOURAL IMPLICATIONS FOR EARLY HOMO SAPIENS

Pre-historic evidence reveals the south Cape area to be of global significance for the emergence and development of modern human cognition. Intertidal resources are hypothesised to have played a role in this cognitive revolution due to potential productivity and resilience. The present can inform the past and this study's ethno-archaeological approach, through modern analogues, examined productivity, resilience and temporal and spatial size variation of intertidal invertebrates on the Cape's south coast. Productivity was shown to be as high or higher than all global energetic evidence and resilience was mutually impressive due to in-migration of mobile species from subtidal stocks ('pantries').

THE DEGREE OF DOCTOR OF PHILOSOPHY (GEOLOGY)

TAUFEEQ GOOLAM DHANSAY

Previous qualifications:

2007 BSc (Geology)

2008 BSc (Geology Hons)

2013 MSc (Geology *Cum Laude*)

University of Cape Town

University of Cape Town

Nelson Mandela Metropolitan University

Thesis:

ON THE EVOLUTION AND MECHANICS OF THE BRITTLE UPPER CRUST BELOW SOUTH AFRICA: IMPLICATIONS TOWARD THE SUSTAINABLE TRANSFORMATION OF EXPLORATION/EXPLOITATION IN THE EARTH'S CRITICAL ZONE

The Critical Zone is the Earth's 'porous crust' within which all life-sustaining spheres of Earth interact. Understanding brittle fracture-connectivity throughout this 'skin' down to depth of up to 8 kilometres (km), near the lowermost barrier to life, is crucial because it links sub-surface regions of exploration and extraction processes of resources to human socio-economic development built on minerals, soils, water, energy with increasingly harmful environmental feed-back mechanisms. This thesis explores and quantifies the geology, physics and chemistry of natural and anthropogenic fractures in this Critical Zone related to gold, geothermal energy and shale-gas in order to minimise negative ecosystem services.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

ROBBERT DUKER

Previous qualifications:

2011 BSc

2012 BSc Honours

Nelson Mandela Metropolitan University

Nelson Mandela Metropolitan University

Thesis:

THE EFFECTS OF FROST ON ALBANY SUBTROPICAL THICKET AND NAMA-KAROO SHRUBLAND IN SOUTH AFRICA

This study investigated the ecological forces that separate the Albany Subtropical Thicket and Nama-Karoo shrubland biomes of South Africa. The findings indicate that frost plays a major role in determining the local- and regional-scale distribution of plants from these two biomes. Leaf- and plant-level freezing tolerance determine distributional thresholds of these plants, and climatically mediated microrefugia have played a major role in facilitating the persistence of thicket and Nama-Karoo shrubland through unfavourable climatic periods in the Pleistocene. Thicket restoration initiatives need to incorporate frost occurrence into planning of restoration sites, as this will have major influences on their success.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

BAREND ADRIAAN GROBLER

Previous qualifications:

2009 BSc (Environmental Science)
20010 BSc Hons (*Cum Laude*)
2012 MSc (Botany)

University of Port Elizabeth
University of Port Elizabeth
Nelson Mandela Metropolitan University

Thesis:

*ROADS AND THEIR EFFECTS IN FYNBOS OF THE SOUTH-EASTERN CAPE IMPLICATIONS
CONSERVATION AND MANAGEMENT OF ROAD VERGE*

This study provides a first comprehensive investigation of road effects on fynbos plant communities in the South-Eastern Cape Floristic Region. Road impacts modified soil properties and community composition, but key fynbos components persisted in road verges. While road disturbance reduced pollination by birds, transformation of land next to verges exacerbated this effect. In contrast, insect pollinators appear less sensitive, and the reproductive output of verge populations of a threatened, insect-pollinated plant was unaffected by road impacts. Road verges provide suitable habitat for several fynbos plants, but management interventions, especially fire management, are required for road verge fynbos communities to persist in highly transformed landscapes.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

DANIEL ALAN LEMLEY

Previous qualifications:

2011 BSc (Biological Sciences)
2012 BSc Honours (Botany)
2014 MSc (Botany)

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

Thesis:

ESTUARINE MICROALGAL BLOOM DYNAMICS AT MULTIPLE TEMPORAL SCALES

This is the first comprehensive study in South Africa to identify the key drivers influencing phytoplankton dynamics, particularly harmful algal blooms (HAB) in estuaries. There is a national and global increase in HABs due to nutrient enrichment from agriculture and wastewater input. Two dominant HAB species that cause blooms and low oxygen as a result of decay were identified in the Sunday Estuary. The persistent occurrence of HABs is a new feature in South African estuaries and continued research is needed to recommend management responses. Four articles have been published from this research in highly rated journals, with an additional one under review.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

KRISTEN MARTIN

Previous qualifications:

2004	BSc (Environmental Science)	University of Port Elizabeth
2005	BSc Hons Botany (<i>Cum Laude</i>)	University of Port Elizabeth
2014	MSc (Botany)	Nelson Mandela Metropolitan University

Thesis:

POTENTIAL ECOPHYSIOLOGICAL AND PHYTOSOCIOLOGICAL IMPACTS OF FRACKING ON THE VEGETATION OF THE KAROO, EASTERN CAPE, SOUTH AFRICA

This study is the first to investigate the potential ecophysiological effects of fracking fluid contamination on Karoo plants. The candidate has demonstrated that while seed germination was not affected by contamination, varying levels of stress could be empirically demonstrated in contaminated plants. This study uses these measured responses to predict how the Karoo vegetation communities in the fracking footprint may respond to further degradation expected from fracking. A predicted level of risk is assigned to each biome based on these findings – Grassland is high risk, Albany Thicket lower risk and Nama-Karoo vegetation is at lowest risk.

THE DEGREE OF DOCTOR OF PHILOSOPHY (ZOOLOGY)

LARIZE NEL

Previous qualifications:

2011	BSc Tourism	North West University, Potchefstroom
2012	Hons Environmental Sciences	North West University, Potchefstroom
2014	MSc Zoology	North West University, Potchefstroom

Thesis:

HABITAT USE OF IMPORTANT JUVENILE FISH SPECIES IN TEMPERATE ESTUARINE NURSERY AREAS WITH NOTES ON FEEDING ECOLOGY AND HISTORICAL SHIFTS TO ASSIST WITH CONSERVATION PLANNING, SOUTH AFRICA

Estuaries are vital refuge and feeding areas for the juveniles of many recreationally and economically important fish species but fine scale habitat use, particularly the role of vegetated areas, is poorly studied. Fishes comprising 24 families and 40 species were netted in five estuaries, processed on site and released alive. Catches showed major declines from historical values, indicative of overfishing of adults in the ocean and the continued exploitation of undersized fishes by anglers. Juvenile fishes make extensive use of salt marsh lined creeks, seagrass, rice grass and previously unexplored reed beds. Stomach contents with C and N stable isotope analyses confirmed that the dominant marine juvenile *Rhabdosargus holubi* relies on all vegetated habitats for feeding throughout growth and in turn is fed upon by fish and bird predators. Shallow water <60cm coupled with vegetation was identified as important refuge using Generalized Additive Modelling. Presence of fishes from collapsed; overexploited and vulnerable populations together with habitat use patterns provides essential new knowledge for priority areas and conservation planning in estuaries.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

BERNADETTE SNOW

Previous qualifications:

1994	BSc (Zoology and Botany)	University of Port Elizabeth
1995	BSc Hons (Zoology)	University of Port Elizabeth
1997	MSc (Zoology)	University of Port Elizabeth

Thesis:

LINKING PEOPLE'S NEEDS, PREFERENCES AND VALUES TO ECOSYSTEM SERVICES PROVIDED BY MARINE PHYTOPLANKTON OF ALGOA BAY, SOUTH AFRICA

The study aimed to understand how people within the Nelson Mandela Bay Municipality value marine and coastal environments of Algoa Bay. Their knowledge of phytoplankton and associated ecosystem services, as well as their attitudes towards the future and value positions that could identify pro-environmental behaviour were assessed. The South African marine environmental policy landscape was analysed to determine support for socio-ecological systems thinking and equitable development of marine and coastal resources. A socio-ecological ecosystems approach was adopted and a framework developed using phytoplankton biodiversity as an indicator for ecosystem services and input from environmental managers and community members.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

MARIUS LODEWYK VAN DER VYVER

Previous qualifications:

1998	BA (General)	University of Pretoria
2001	BA Hons (Semitic languages)	University of Pretoria
2003	NHDip (Nature Conservation)	Tshwane University of Technology
2008	BSc Hons	University of South Africa
2011	MSc (Botany)	Nelson Mandela Metropolitan University

Thesis:

FACTORS AFFECTING EFFECTIVE ECOLOGICAL RESTORATION OF PORTULACARIA AFRA (SPEKBOOM)-RICH SUBTROPICAL THICKET HABITAT AND ABOVEGROUND CARBON ENDPOINT PROJECTIONS

This thesis evaluated topographic, edaphic, climatic, ecological and management-related factors, and twelve planting treatments that potentially impact on effective ecological restoration of spekboom-rich subtropical thicket with data from a biome-wide experiment. Using an ensemble learning algorithm and survivorship and aboveground carbon sequestration rate as proxies, the most important factors were identified and current restoration protocols for efficacy were evaluated. Forty allometric regression models, which were used to estimate aboveground biomass carbon of paired intact and degraded stands on five sites across the biome were generated. The results refined current restoration protocols and provided quantitative aboveground carbon endpoints for restoration.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

LARA VAN NIEKERK

Previous qualifications:

1999	BSc	University of South Africa (UNISA)
2000	BSc Honours (<i>Cum Laude</i>)	University of Stellenbosch
2007	MSc (<i>Cum Laude</i>)	University of Stellenbosch

Thesis:

APPROACHES TO DETECTING AND ASSESSING PATTERNS, PROCESSES AND RESPONSES TO CHANGE IN SOUTH AFRICAN ESTUARIES

The research presented indicates deep knowledge of estuary pattern-process-function across a broad range of estuary types. This study successfully developed and applied approaches to detect change at varying temporal and spatial scales in South African estuaries. This assessment was based on the physical characteristics of estuaries and predicted or measured change in the drivers of estuary health. This is the first study in the country to review and synthesise the vulnerability of South African estuaries to Climate Change on a regional scale. Through sound scientific approaches this research has advanced our knowledge on complex estuarine systems and made a significant contribution globally to approaches for the conservation and management of estuaries.

VISION, MISSION, VALUES, EDUCATIONAL PURPOSE AND PHILOSOPHY

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 educational experiences for a better world.

To achieve our vision and mission, we will ensure that:

- Our values inform and define our institutional ethos and distinctive educational purpose and philosophy.
- We are committed to promoting equity of access and opportunities so as to give students the best chance of success in their pursuit of lifelong learning and diverse educational goals.
- We provide a vibrant, stimulating and richly diverse environment that enables staff and students to reach their full potential.
- We develop graduates and diplomates to be responsible global citizens capable of critical reasoning, innovation, and adaptability.
- We create and sustain an environment that encourages and supports a vibrant research, scholarship and innovation culture.
- We engage in mutually beneficial partnerships locally, nationally and globally to enhance social, economic, and ecological sustainability.

VALUES

- Diversity
- Excellence
- Ubuntu
- Social justice and equality
- Integrity
- Environmental stewardship

EDUCATIONAL PURPOSE AND PHILOSOPHY

- We provide transformational leadership in the service of society through our teaching and learning, research and engagement activities.
To achieve this we are committed to developing the human potential of our staff and students in the full spectrum of its cognitive, economic, social, cultural, aesthetic and personal dimensions in the pursuit of democratic citizenship.
- We adopt a humanising pedagogical approach that respects and acknowledges diverse knowledge traditions and engages them in critical dialogue in order to nurture a participative approach to problem-posing and -solving, and the ability to contribute to a multi-cultural society.
- We inspire our stakeholders to be passionate about and respectful of an ecologically diverse and sustainable natural environment.
- We will be known for our people-centred, caring, values-driven organisational culture that will allow all members of the university community to contribute optimally to its life.

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!

More info,  041 504 4371  www.shop.mandela.ac.za  shop@mandela.ac.za

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 the North Campus in Port Elizabeth.

More info,  041 504 3935  www.alumni.mandela.ac.za  alumni@mandela.ac.za

Join us,  Nelson Mandela University Alumni  Nelson Mandela University Alumni  @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.**