

CONGRATULATORY MESSAGE

Graduation is a supreme milestone in any career. It is the culmination of an academic journey of unflinching commitment, sacrifice of self and loved ones, unrelenting pursuit of knowledge and an affirmation of one's intellectual prowess. Such a crowning moment in your life must be celebrated with pride and joy.

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

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

We trust that Nelson Mandela University has equipped you with both an excellent academic qualification and the solid values of our namesake to undergird all your actions for the many challenges of life and work to come.

It is our wish that you will leave here today as proud Nelson Mandela University graduates who will continue to champion social justice and equality, and be change agents in building a better society and a better world.

Thank you for offering us the privilege of making this University a part of your life. Your success is our success, and as Nelson Mandela University alumni, we look forward to watching your story unfold.

Congratulations!

Ms Santie Botha
Chancellor



Prof Derrick Swartz
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 21 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 Port Elizabeth 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 (e.g. 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; eNtsha, 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
Business School:	Black and magenta
Education:	Orange
Engineering, the Built Environment and Information Technology:	Light blue
Health Sciences:	Apple green
Law:	Grey blue
Science:	Dark green

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.

SUMMER GRADUATION CEREMONIES DECEMBER 2017

Thursday, 14 December 2017

Ceremony 1	09:30	<p>Faculty of Business and Economic Sciences Bachelor of Technology, Honours, Master's and Doctoral degrees</p> <p>Faculty of Law Postgraduate Diplomas Master's and Doctoral degrees</p> <p>Honorary Doctor of Laws</p>
Ceremony 2	14:30	<p>Faculty of Education Bachelor of Education, Bachelor of Education Honours degrees, Postgraduate Certificate in Education, Master's and Doctoral degrees</p>

Friday, 15 December 2017

Ceremony 3	09:30	<p>Faculty of Engineering, the Built Environment and Information Technology Bachelor of Technology, Honours, Master's and Doctoral degrees</p> <p>Faculty of Science Bachelor of Technology, Honours, Master's and Doctoral degrees</p>
Ceremony 4	14:30	<p>Faculty of Arts Bachelor of Administration, Bachelor of Technology: Public Relations Management, Master's and Doctoral degrees</p> <p>Faculty of Business and Economic Sciences Postgraduate Diplomas</p> <p>Faculty of Health Sciences National Diplomas: Environmental Health, Radiography (Diagnostic) Bachelor of Technology degrees: Biomedical Technology, Environmental Health, Radiography (Diagnostic) Master's and Doctoral degrees</p>

OFFICE-BEARERS OF THE UNIVERSITY

CHANCELLOR

MS S BOTHA: BEcon, BEconHons(SU)

CHAIRPERSON OF COUNCIL

MS NP JANUARY-BARDILL: BA, Cert in Ed(UBL), MA(Essex University, UK), Dip HR Management(Damelin)

VICE-CHANCELLOR

PROF DI SWARTZ: BA(UWC), MA, DPhil, Doctor in Human Rights Law (hc)(Essex University, UK)

DEPUTY VICE-CHANCELLOR: INSTITUTIONAL SUPPORT

DR SW MUTHWA: BA(SW)(Fort Hare), BA(SW)Hons(Wits), MSc(London School of Economics, UK), PhD(London University, UK)

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), BAPhil(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)

CONFERRING OF DEGREES

Vice-Chancellor

FAREWELL MESSAGES

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.

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

BACHELOR OF TECHNOLOGY: CONSTRUCTION MANAGEMENT

ANDROLIAKOS, Christopher Devlin
BARNARD, Reuben Johan
BRITS, Gustav Johan
BUJE, Akhona
BURGER, Shannon Damian
EVANS, Bashira
FERREIRA, Stephan
FIHLA, Athenkosi Dalindyabo
GALAWWE, Mondli Lucky
GUGUSHE, Athi Hlokoma
HOOK, Peter Barend
KOMPELE, Coceka
LAVISA, Lungelo Patwa
MARALA, Thabo
MBASA, Ayanda
MBHALATI, Rirhandzu Seda
METISO, Samuel
MILLER, Oscar John
MUKHEIBIR, Cameron William
MZWAKALI, Sifanele
NCOKO, Siyabulela
NJAJULA, Siviwe
NJALO, Ncedisa
NTSIKE, Moeketsi Meshack
SAKHWE, Khanyisa
SHWENI, Asive
SIGUBA, Fuzisa
SILINGA, Xolelwa
STRYDOM, Damien
TILESE, Neliswa Jesica
TRYTSMAN, Leon Gerhard
VAN JAARVELD, Osmond Renier
VAN JAARVELDT, Matthew Andre
XOSENI, Qaqamba Sinovuyo
ZWELIBANZI, Lwazi

BACHELOR OF TECHNOLOGY: ENGINEERING: CIVIL

CWILI, Mandiphiwe (*Transportation Engineering*)
PETER, Litha (*Urban Engineering*)
PIKA, Thando (*Transportation Engineering*)
ZAMANI, Nolonwabo (*Transportation Engineering*)

CUM LAUDE

BRAND, Dane Le (*Urban Engineering*)
RIEDER, Arnold Paul (*Urban Engineering*)

BACHELOR OF TECHNOLOGY: ENGINEERING: ELECTRICAL

BELANI, Zusiphe
BHOWA, Tafadzwa Michael
BRAND, Christopher Stephen
GCELU, Yongama
GROSS, Heinrich
MAKHUBELE, Rishongile
MATTISSON, Devon
MBANGE, Sisanda
MINNE, Jaryd Craig
MLAMBO, Shadreck Junior
MUNDONDO, Derek Tendekai
PANYA, Simon
PRATT, George Roelof
STRYDOM, Gerhard
TSENGWA, Siwaphiwe
VENTER, Stephanus Johannes Jacobus

CUM LAUDE

MSANGI, Hatibu Hassan
MUKALAY, Crispin Wa Mbuyu
MUKUCHIRA, Shamiso Faith
VAN ROOYEN, Tertius

BACHELOR OF TECHNOLOGY: ENGINEERING: INDUSTRIAL

BARNARD, Arno Johann
CHARLES, Zenande Faith
DUBULA, Zingisa Khanyile
FEPHIWE, Nomathemba Deborah
HAUMANN, Riaan Deon
KRITZINGER, Hano
LETSIE, Kholofelo Vanessa
MABANDLA, Mbalenhle Noluvo
MASEVHE, Ndalamo Adeleide
MAZANTSANA, Kwakhanya
MINNIE, Este-Lynn
MKONJENI, Sibongiseni
MKUTU, Lufefe
MTEMBU, Siyabulela Yanga
MYENDEKI, Chuma-Sande Sive
NENGOVHELA, Thama
NGODWANE, Bandiswa
NTANJANA, Novuyisa
RAMULONGO, Dzialwa
RATSHWEUNYANA, Oratile
SEBATJANA, Tlou Neo
TABATA, Sinovuyo
TYUTU, Ziphozethu
VAN ASWEGEN, Retief Ricus
VAN RENSBURG, Chane

CUM LAUDE

BOTHA, Justin Freddy
FANSEU KAMHOUA, Barakeel
TSHISIKULE, Phindulo
VAN DER LINDEN, Isabelle Joy
WILLIAMS, Heinrich

BACHELOR OF TECHNOLOGY: ENGINEERING: MECHANICAL

CHINGA, Vusimunzi
FUTSHANE, Thando
JACOBS, Jon-Ross
JODWANA, Lukhanyiso
MANJENGWA, Takudzwa Jonah
NYOKA, Brian Mputumi
PANGABANTU, Aphiwe
ROBERSON, Jared
SNYMAN, Ross
STOLZE, Sheldon Ernest
STRYDOM, Francois Jacobus
VAN GEND, Amy Bronwan
VAN TONDER, Ruben Renier
YEKI, Lwazi

BACHELOR OF TECHNOLOGY: INFORMATION TECHNOLOGY

ABRAHAMAS, Fahmy (*Communication Networks*)
ADAMS, Tsepiso Sipho (*Software Development*)
AH WHY, Brandon Lawrence (*Software Development*)
BAARTMAN, Kyle Ashley (*Software Development*)
BERGENSEN, Jonathan Adam (*Software Development*)
BLUNT, Phillip John (*Software Development*)
CHAMBERLAIN, Henning Johannes (*Software Development*)
CHOWHAN, Himal (*Software Development*)
COELHO, Jason Tavares (*Software Development*)
DAVIDS, Marlon Dean (*Software Development*)
DOANS, Josh (*Software Development*)

DUMONT, Courtney James (Software Development)
 FEYT, Heinrich Johann (Software Development)
 FORBES, David Tyrone (Software Development)
 FOSTER, Adam Mark (Software Development)
 GABA, Duma Bubele (Communication Networks)
 GACHAGUA, Lincoln Wachira (Software Development)
 GAMNCA, Sinovuyo (Communication Networks)
 GOBODO, Mntuyazi (Communication Networks)
 GOGELA, Thabo (Communication Networks)
 GWEBANI, Bathandwa (Software Development)
 HENRI, Orrin Everard (Communication Networks)
 HILA, Xabiso (Software Development)
 HUFKIE, Eldon Llewellyn (Software Development)
 JAFTA, Ntembeko (Software Development)
 JAFTA, Nwabisa Bianca (Software Development)
 KARA, Mohite Nanjee Manoj (Communication Networks)
 KAYSTER, Nadia Hanri (Software Development)
 KERSPAY, Sylvano Christopher (Software Development)
 KHANYE, Sydney Tebogo (Software Development)
 KHOBO, Ayanda (Software Development)
 KILLIK, Dumar Jon Molyneux (Communication Networks)
 KLU, Kwesi Lazola (Software Development)
 LOKWE, Siphosethu (Software Development)
 MABATA, Thabelo Collen (Communication Networks)
 MADYOSI, Chuma (Software Development)
 MAHABENI, Siyamthanda (Software Development)
 MAKHATHINI, Sphiwo (Communication Networks)
 MAKWABE, Samkelisiwe Sisanda (Software Development)
 MALUNGA, Naledi Porta (Communication Networks)
 MANGXABA, Yonela (Software Development)
 MANI, Mbulelo Mvuyisi (Software Development)
 MANJEZI, Zandile (Software Development)
 MANTSHONGO, Sandisiwe (Communication Networks)
 MARAISANE, Tumo (Software Development)
 MATHELEMUSA, Rofhiwa (Software Development)
 MATIWANE, Nkutazo Vincent (Software Development)
 MAXAKATO, Sichumiso (Communication Networks)
 MAXENGANA, Athabile (Software Development)
 MAYIYANA, Faith Nolukholo (Software Development)
 MBANGO, Thembakazi (Software Development)
 MBUQE, Apelele Alungile (Software Development)
 MDYOGOLO, Ludwe (Software Development)
 MGQWETHA, Ludwe (Software Development)
 MPHAAHLELE, Lethamaga Khutjo Phaahla (Software Development)
 MRAWUSI, Apiwe (Communication Networks)
 MUTAVHATSINDI, Marubini (Communication Networks)
 MYESI, Sinazo (Communication Networks)
 NCEKANA, Sicelo (Communication Networks)
 NCUBE, Jabulani (Software Development)
 NEMBUDANI, Khodani Poppy (Software Development)
 NGADA, Okuhle (Software Development)
 NGCAMA, Lwando (Software Development)
 NOETH, Gilliam Johannes (Software Development)
 NQAMBI, Basisipho Yanga (Software Development)
 NTULI, Thabiso (Software Development)
 NYAKAMA, Wandile Richardo (Communication Networks)
 OPPERMAN, Gerhard (Software Development)
 PEER, Ebrahim Suleiman (Software Development)
 QHUBA, Msebenzi (Communication Networks)
 REED, Mitchell Latsky (Software Development)
 SADIKI, Denzhelanga (Software Development)
 SCHRAM, Clinton (Software Development)
 TALLIE, Fernando Alexander (Communication Networks)
 TENGANI, Siyamthanda (Software Development)
 TSHIDINO, Fhumulani Kipson (Software Development)
 TURNER, Gareth Ian (Software Development)
 VAN DER WESTHUIZEN, Stephan (Communication Networks)
 VUKUTHI, Zuko (Communication Networks)
 WANVIG, Reece (Software Development)
 YEKELA, Pumzile (Software Development)
 ZAZA, Sisa (Software Development)
 ZIMBA, Zuzeka (Software Development)

CUM LAUDE

ADLAM, Ryno (Software Development)
 AUGUST, Joze Jayde (Software Development)

BANGANI, Sifiso Matthews (Software Development)
 ELLEBABIDY, Said Mohamed Zeyad Mohamed Khalil (Software Development)
 EVEZARD, Ryan Vaughan (Software Development)
 JOYCE, Bevan Eric (Software Development)
 LOUW, Darren Michael (Software Development)

BACHELOR OF TECHNOLOGY: OPERATIONS MANAGEMENT

ABRAHAMS, Antonio Francewha
 BAILES, Murray
 FELIX, Gerard Jose
 GEORGE, Fikile Ernest
 JONAS, Luvuyo Lubabalo
 LAMANI, Andisiwe Ann
 MANTSHIYO, Zithobile Brian
 MAZUBANE, Mlungisi Patric
 MOKABA, Fredah Ngoako
 MQOPI, Nomthunzi
 MZALAZALA, Lwazi
 NAICKER, Saravan
 NGQOLA, Luvuyo Siviwe
 RASANA, Nosiphiwo Bianca
 SHAIK, Farouk
 SIMMERS, Darren Lyle
 SOWAZI, Msimelelo
 STAMPER, Maliya Nonelela
 STAMPER, Similo Paul
 VAN DEN BERG, Willem Johannes Kok

CUM LAUDE

CLAASEN, Gilian Tamara
 GODFREY, Denzil Hugh
 QUINN, Nicholas

BACHELOR OF TECHNOLOGY: QUALITY

BANJWA, Wanda
 BEN-MAZWI, Yonela
 BOOYSEN, David Raymond Basil
 BOOYSEN, Lourenzo
 DORFLING, Hano
 FELKERS, Donavan Keith
 JAMBA, Mzimkulu
 KILI, Nikiwe
 MABUYA, Asandiswa
 MAKALIMA, Makhuzandile
 MARINUS, Monique Theresa
 MATEZA, Yolande Lizelle
 MENTOOR, Molly Zintle
 MERCHANT, Thirusa Melissa
 MULLER, Karen
 NGCUME, Lumka
 NGQINISO, Sinakho
 NJUMBA, Esethu
 NOLAN, Eugene
 PANGENI, Nokuphiwa
 PRINSLOO, Marlise Rochelle
 RANGASAMY, Celeste Rozanne
 TOM, Zandile Angelinah
 TWALANI, Mhlaikazi Anthonent
 VAN DER MERWE, Christoff
 WILLIAMS, Ozilia

CUM LAUDE

KOPS, Nathan
 MADLOKAZI, Seemola Magdeline

BACHELOR OF TECHNOLOGY: QUANTITY SURVEYING

DE KLERK, Darren Charles
 DU PREEZ, Gabriella
 GCELU, Thembela

GREWE, Robin Nicky
HASSIM, Mohamed Jubail
LAWANA, Kwakho
LE ROUX, Gawie Jean-Pierre
LISHER, Bradley Shawn
LOTZ, Jared David
MADYIBI, Sandiso
MAGONGO, Mzwamadoda
MAILA, Ipeleng
MAKONGWANA, Msa
MATUNDU, Lusanda
MGUZULWA, Sive Thandeka
MNTUYEDWA, Nontuthuzelo Muriel
MOELA, Sethakge Kaizer
MOKONENYANE, Tau
MSUMZA, Thandokazi Nomfundo
NELANI, Yolanda
NTSINI, Nandi Judith
PILISO, Zhane Mary-Ann
SEBUSI, Kagisho
SHARE, Tiaan
SIBOTO, Nobubele Ncumisa
TAMELA, Olona
TSHANGANA, Sifungo Maxwell
WATKINS, Jaime
ZINGELWA, Nomfusi

CUM LAUDE

LEKOMA, Onalenna
MBIZA, Sandiso
MKUTSWANA, Vuyokazi Patience
NTSHIBA, Peliwe Lizeka
SMITH, Shani
TONJENI, Akuthi
YAPHI, Mzukisi

BACHELOR OF SCIENCE HONOURS IN CONSTRUCTION MANAGEMENT

LEBURU, Masego

BACHELOR OF SCIENCE HONOURS IN QUANTITY SURVEYING

MISHIYI, Hletela Josiah

FACULTY OF SCIENCE

BACHELOR OF TECHNOLOGY: AGRICULTURAL MANAGEMENT

BOTA, Sinoxolo
BUSO, Musa
DESCHAMPS, Jason
DUNJWA, Sivuyise
FANA, Siphokazi
MABIZA, Pamela Rumbidzayi
MAJOVA, Yolanda
MBATSHA, Zithulele
MHLONGO, Clifford Siboniso
MTWEBANA, Amandla Anathi
MVANDABA, Andiswa
MXOLI, Vuyokazi
NKOMO, Sinazo
NTSANGANI, Ayabulela
NTSHINGWA, Batandwa
NZUZA, Nokwanda Nokukhanya
PUTUZO, Bulelani
SOGONI, Nam Athalanta
SOKOYI, Liliha Alicia
THAMELA, Yolanda Benedict
TSOTSI, Mzukhona
VENTER, Jolandrie
XAMLASHE, Tulani

XOBONGO, Kwanda
ZULU, Malusi Bonginkosi
ZUMA, Thabani
ZUNGU, Halala Nompumelelo Cecilia

CUM LAUDE

VOIGTS, Waldo
WITTHOFT, Jurgens Heinz

BACHELOR OF TECHNOLOGY: CHEMISTRY

MATITI, Lindela

BACHELOR OF TECHNOLOGY: GAME RANCH MANAGEMENT

BOSCH, Michelle
GOOSEN, Richard James
GRAHAM, Warren Thomas
STANDER, Anrich
STRAUSS, David Josephus

CUM LAUDE

BRILL, Laura
TRUTER, Anja

BACHELOR OF COMMERCE HONOURS

DE VILLIERS, Jessica
(Information Systems and Business Management)
GUSTAFSSON, Sven Daniel
(Computer Science and Information Systems)
KUPELO, Sibulele Khanya
(Computer Science and Information Systems)
MOYO, Faith
(Computer Science and Information Systems)
MSUTU, Lutho
(Information Systems and Business Management)
NGUBANE, Nqobizwe
(Computer Science and Information Systems)
OKUAH, Obrukeywe Anehwe
(Information Systems and Business Management)
SEPTEMBER, Nosivuno
(Information Systems and Business Management)
VAZI, Khanya Luyanda
(Information Systems and Business Management)

BACHELOR OF SCIENCE HONOURS

GONO, Nombini Zingisa
(Environmental Geography)
KETELO, Sisonke
(Chemistry)
LAYINI, Anela
(Mathematical Statistics)
LE GRANGE, Philip
(Computer Science)
LUBAZANA, Themba Cornelius
(Formulation Science)
LUDIDI, Athini
(Computer Science)
MPONDO, Vuyolwethu Kevin
(Mathematical Statistics)
PRINSLOO, Cameron Cyril
(Computer Science)
STOLK, Martin
(Computer Science)

BACHELOR OF SCIENCE HONOURS IN APPLIED MATHEMATICS

CUM LAUDE

WESTCOTT, Amy-Rose

BACHELOR OF SCIENCE HONOURS IN BIOCHEMISTRY

DE LA HARPE, Amy Lynne
HONIBALL, Suanne
NAGAN, Yurisha
SCHOEMAN, Recardia Laken Simoney

BACHELOR OF SCIENCE HONOURS IN BOTANY

COUSINS, Luke Eric
DELPOR, Rowan Lee
RABE, Juan Arne
TAKALANI, Ndivhuho
TIETZ, Anne Ulrike Christiane
VAN TONDER, Monique

CUM LAUDE

ELS, Jessica

BACHELOR OF SCIENCE HONOURS IN CHEMISTRY

GQUBE, Siyanda
GXAKUMA, Lutho
MGOLOMBANE, Mvano
OOSTHUIZEN, Korban
SCHOEMAN, Stiaan

CUM LAUDE

SENEKAL, Ulrich
SLABBERT, Jordan Lee

BACHELOR OF SCIENCE HONOURS IN COMPUTER SCIENCE AND INFORMATION SYSTEMS

BURDETT, Justin Brandan
HEERA, Amilcar
JOHNSTON, Michael Frank
MALOPE, Olebogeng
MCKAY, Bradley Neil
MOODLEY, Keegan Brett

CUM LAUDE

BATTESON, Byron John

BOSCOMBE, Jarred Michael
KELLY, Justin Michael
LEONARD, Brydon Andrew

BACHELOR OF SCIENCE HONOURS IN ENVIRONMENTAL GEOGRAPHY

MACFARLANE, Paul John
VAN NIEKERK, Ebeneser Zacharias

BACHELOR OF SCIENCE HONOURS IN GEOGRAPHICAL INFORMATION SYSTEMS

FRANCIS, John Thomas
NGALO, Ayanda Sanele Zanele
NJISANE, Oyisile Aphile
NTSHATE, Athenkosi
RAMOHLALE, Tshogofatso Sekgopo Edwin
SCHECKLE, Tara

BACHELOR OF SCIENCE HONOURS IN MICROBIOLOGY

CHIRONGOMA, Rufaro Margaret

BACHELOR OF SCIENCE HONOURS IN ZOOLOGY

ENGELBRECHT, Melindi Frances
FAVARETTO, Bianca Sashika
HEWETT, Kyle Travis Brownlouw
HICKMAN, Samantha
MC GREGOR, Steven
NELL, Chandré
SMIT, Travis

CUM LAUDE

SMIT, Taryn

FACULTY OF SCIENCE

MASTER OF SCIENCE (RESEARCH)

ALMANZA, Roberto Daniel
(*Geology*)

Title of dissertation:

GYP SUM DEPOSITS ASSOCIATED WITH THE WHITEHILL FORMATION (ECCA GROUP) IN THE STEYTLERVILLE-JANSENVILLE AREA, SOUTHERN KAROO, SOUTH AFRICA

Supervisor: Prof PWK Booth

CHIRIDZA, Tongai
(*Computer Science and Information Systems*)

Title of dissertation:

A SMART HOME ENVIRONMENT TO SUPPORT SAFETY AND RISK FOR THE ELDERLY LIVING INDEPENDENTLY

Supervisor: Prof JL Wesson

Co-supervisor: Dr D Vogts

DU PREEZ, Debbie Patricia
(*Botany*)

Title of dissertation:

PHYLOGENY AND PHYLOGEOGRAPHY OF DOMINANT SOUTH AFRICAN SURF DIATOMS

Supervisor: Prof EE Campbell

Co-supervisor: Dr AJ Potts

KAMENI BOUMENOU, Christian
(*Physics*)

Title of dissertation:

SCANNING PROBE FORCE MICROSCOPY OF III-V SEMICONDUCTOR STRUCTURES

Supervisor: Mr ZN Urgessa

Co-supervisor: Prof JR Botha

LOCHNER, Christiaan Stefanus
(*Zoology*)

Title of dissertation:

ELEPHANT SPACE USE AND IMPACTS ON VEGETATION IN RESPONSE TO HABITAT EXPANSION IN SUCCULENT THICKET

Supervisor: Prof GIH Kerley

Co-supervisor: Ms M Landman

MATHE, Francis Matota
(*Chemistry*)

Title of dissertation:

AN INTEGRATED CONTINUOUS FLOW SYSTEM FOR THE MANUFACTURE OF BIODIESEL FROM WASTE COOKING OIL USING A HETEROGENEOUS ACID CATALYST AND HOMOGENOUS BASE CATALYST

Supervisor: Prof P Watts

MHLANA, Kanyisile
(*Chemistry*)

Title of dissertation:

MICROENCAPSULATION OF AN ANTI-TUBERCULOSIS DRUG USING SPOROPOLLENIN

Supervisor: Prof P Watts

MOLEPO, Mokgatla Jerry
(Zoology)

Title of dissertation:

FORAGING BEHAVIOUR AND THERMAL PHYSIOLOGY OF CAPE SUGARBIRDS: SEX SPECIFIC RESPONSES TO TEMPARATURE

Supervisor: Dr B Smit
Co-supervisor: Dr ATK Lee
Co-supervisor: Dr SJ Cunningham

PRINSLOO, Dominique
(Zoology)

Title of dissertation:

IMPACTS OF AFRICAN ELEPHANT FEEDING ON WHITE RHINOCEROS FORAGING OPPORTUNITIES

Supervisor: Prof GIH Kerley
Co-supervisor: Dr JPGM Cromsigt

VAN ZYL, Hendrik Francois
(Botany)

Title of dissertation:

DINOFLAGELLATE COMMUNITIES IN ALGOA BAY: ABUNDANCE AND DYNAMICS

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

MASTER OF TECHNOLOGY: CHEMISTRY

LATOLLA, Nehemiah Solomon

Title of thesis:

THE INVESTIGATION OF CHEMICAL VARIATION IN THE STEMS AND RHIZOMES OF CISSAMPELOS CAPENSIS L.F. (MENISPERMACEAE) THE EASTERN CAPE MEDICINAL PLANT

Supervisor: Dr BG Hlangothi

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

MASTER OF ENGINEERING (RESEARCH)

BADENHORST, Martin Wessel
(Mechanical)

Title of dissertation:

STRAIN BEHAVIOUR OF AN ECO-CAR WHEEL RIM DESIGNED THROUGH TOPOLOGY AND COMPOSITE LAYUP OPTIMIZATION

Supervisor: Prof H Lombard
Co-supervisor: Prof RL Phillips

MASTER OF ENGINEERING IN MECHATRONICS (RESEARCH)

FULTON, Dale Meares - *Cum Laude*

Title of dissertation:

A GENETIC ALGORITHM TO OBTAIN OPTIMUM PARAMETERS FOR A HALCON VISION SYSTEM

Supervisor: Prof TI Van Niekerk

ZATA, Ngonidzashe Munyaradzi - **Cum Laude**

Title of dissertation:

SIMULATION AND VISUALISATION PLATFORM INTEGRATED UNDER HARDWARE CONTROL SYSTEMS FOR A RECONFIGURABLE PROCESS CONTROL

Supervisor: Prof TI Van Niekerk
Co-supervisor: Mr JM Fernandes

MASTER OF INFORMATION TECHNOLOGY (RESEARCH)

DRAAI, Kevin Benjamin

Title of dissertation:

A MODEL FOR ASSESSING AND REPORTING NETWORK PERFORMANCE MEASUREMENT IN SANREN

Supervisor: Dr BP Haskins
Co-supervisor: Prof RA Botha

DU PREEZ, Pedro Gordon

Title of dissertation:

DEVELOPING END-USER REQUIREMENTS FOR THE DESIGN OF AN E-PROCUREMENT PORTAL

Supervisor: Prof D Van Greunen

GOMANA, Lindokuhle Gcina

Title of dissertation:

TOWARDS A FRAMEWORK FOR THE INTEGRATION OF INFORMATION SECURITY INTO UNDERGRADUATE COMPUTING CURRICULA

Supervisor: Prof LA Futchter
Co-supervisor: Prof K Botha

MASTER OF SCIENCE IN THE BUILT ENVIRONMENT (COURSEWORK)

MAYEZANA, Nandipha Patience

(Project Management)

Title of treatise:

THE IMPLEMENTATION OF HEALTH AND SAFETY ON DEPARTMENT OF PUBLIC WORKS' CONSTRUCTION PROJECTS

Supervisor: Prof JJ Smallwood

MONARE, Thabang

(Project Management)

Title of treatise:

PERFORMANCE OF PROJECT MANAGEMENT UNITS (PMU'S): THE CASE OF SARAH BAARTMAN DISTRICT MUNICIPALITY

Supervisor: Mr AL Hefer

NGHONA, Ziyanda

(Facilities Management)

Title of treatise:

THE IMPACT OF OPEN-PLAN OFFICE DESIGN ON THE PRODUCTIVITY OF THE CITY OF CAPE TOWN EMPLOYEES

Supervisor: Dr GJ Crafford

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

DOCTOR OF PHILOSOPHY

GCAZA, Noluxolo
(*Information Technology*)

Title of thesis:

A NATIONAL STRATEGY TOWARDS CULTIVATING A CYBERSECURITY CULTURE IN SOUTH AFRICA

Supervisor: Prof R Von Solms

REID, Rayne
(*Information Technology*)

Title of thesis:

GUIDELINES FOR CYBER SECURITY EDUCATION CAMPAIGNS

Supervisor: Prof JF Van Niekerk

FACULTY OF SCIENCE

DOCTOR OF PHILOSOPHY

CILLIERS, Gerhard Jordaan
(*Botany*)

Title of thesis:

THE DESIGN AND TESTING OF A NATIONAL ESTUARY MONITORING PROGRAMME FOR SOUTH AFRICA

Supervisor: Prof JB Adams

DAVISON, Candace
(*Biochemistry*)

Title of thesis:

THE EFFECT OF SYNTHETICALLY-DERIVED XANTHONE COMPOUNDS ON THE SUPPRESSION OF THE PROGRESSION OF BREAST CANCER AND THE ASSOCIATED COMPLICATIONS

Supervisor: Dr H Davids

HANDLEY, Jonathan Murray
(*Zoology*)

Title of thesis:

FORAGING ECOLOGY OF GENTOO PENGUINS PYGOSCELIS PAPUA AT THE FALKLAND ISLANDS

Supervisor: Dr PA Pistorius

MABIDI, Annah
(*Zoology*)

Title of thesis:

FRESHWATER INVERTEBRATE ASSEMBLAGES OF THE EASTERN CAPE KAROO REGION (SOUTH AFRICA) EARMARKED FOR SHALE GAS EXPLORATION

Supervisor: Prof R Perissinotto

Co-supervisor: Dr MS Bird

DOCTOR OF TECHNOLOGY: AGRICULTURE

KHAPAYI, Musa

Title of thesis:

AGRIBUSSINESS CHALLENGES TO EFFECTIVENESS OF CONTRACT FARMING IN COMMERCIALISATION OF SMALL-SCALE VEGETABLE FARMERS

Supervisor: Prof P Van Niekerk

Co-supervisor: Mr PR Celliers

DOCTORAL DEGREE CITATIONS

THE DEGREE OF DOCTOR OF PHILOSOPHY (INFORMATION TECHNOLOGY)

NOLUXOLO GCAZA

Previous qualifications:

2011	NDip (Information Technology)	Nelson Mandela University
2012	BTech (Information Technology) (<i>cum laude</i>)	Nelson Mandela University
2014	MTech (Information Technology) (<i>cum laude</i>)	Nelson Mandela University

Thesis:

A NATIONAL STRATEGY TOWARDS CULTIVATING A CYBERSECURITY CULTURE IN SOUTH AFRICA

The modern-day use of cyberspace has created a world that is increasingly relying on online services to operate. Like many nations, South Africa (SA) is continuously embracing the benefits of cyberspace. Nevertheless, cyberspace is not without risks, something which calls for safety and security measures to be afforded through adequate cybersecurity measures. Cultivating a supportive culture is deemed to be an important contributing factor to cybersecurity. Therefore, SA envisages a culture of cybersecurity amongst all users of cyberspace. This study devised a national strategy that would assist SA in fulfilling its aim of cultivating a culture of cybersecurity on a national level.

THE DEGREE OF DOCTOR OF PHILOSOPHY (INFORMATION TECHNOLOGY)

RAYNE REID

Previous qualifications:

2011	NDip (Information Technology) (<i>cum laude</i>)	Nelson Mandela Metropolitan University
2012	BTech (Information Technology) (<i>cum laude</i>)	Nelson Mandela Metropolitan University
2013	MTech (Information Technology)	Nelson Mandela Metropolitan University

Thesis:

GUIDELINES FOR CYBER SECURITY EDUCATION CAMPAIGNS

Cybersecurity knowledge and behaviours are key life-skills within current society. Children are a particularly vulnerable and cyber-active societal subgroup, who needs to be taught how to be safe and secure online. However, there is a lack of well-known guidance for designing and implementing comprehensive cybersecurity and cybersafety educational campaigns which target school learners. This study addressed this lack by producing actionable knowledge for the design and implementation of such campaigns. This knowledge was derived and refined through the implementation of a five-year action research process conducted as an active educational campaign and targeting the metropole's school learners.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BOTANY)

GERHARD JORDAAN CILLIERS

Previous qualifications:

1994	BSc	University of the Orange Free State
1995	BScHons	University of the Orange Free State
2000	MA in Environmental Management	University of the Orange Free State

Thesis:

THE DESIGN AND TESTING OF A NATIONAL ESTUARY MONITORING PROGRAMME FOR SOUTH AFRICA

This study developed the first standard long-term monitoring programme for estuaries in South Africa. The design was based on a review of international programmes, consultation with role players and experience in implementation of monitoring within the Department of Water and Sanitation. Some components were tested on 28 estuaries across the country with detailed case studies on the Berg and Breede estuaries. A Decision Support System was also developed to translate complex data into management information. The study showed that collaboration is essential for effective implementation. The thesis makes a valuable and significant contribution to environmental monitoring and management.

THE DEGREE OF DOCTOR OF PHILOSOPHY (BIOCHEMISTRY)

CANDACE DAVISON

Previous qualifications:

2007	BSc	Nelson Mandela Metropolitan University
2008	BScHons (Biochemistry)	Nelson Mandela Metropolitan University
2011	MSc (Biochemistry)	Nelson Mandela Metropolitan University

Thesis:

THE EFFECT OF SYNTHETICALLY-DERIVED XANTHONE COMPOUNDS ON THE SUPPRESSION OF THE PROGRESSION OF BREAST CANCER AND THE ASSOCIATED COMPLICATIONS

Use of chemotherapy is limited by the development of resistance and adverse systemic effects. This study contributes to the discovery of novel compounds by extensive characterisation of the effects of synthetically-derived xanthenes on several aspects of the biology of two representative breast cancer cell lines. MA119 was identified as a potential anti-breast cancer agent, as it induces apoptosis, inhibits both metastasis and angiogenesis, and is able to reverse the hyper-coagulable state often present in cancer patients. These findings have been presented at both local and international conferences, and they add to the field of knowledge of cancer chemotherapy.

THE DEGREE OF DOCTOR OF PHILOSOPHY (ZOOLOGY)

JONATHAN MURRAY HANDLEY

Previous qualifications:

2008 BSc (Zoology, Human Kinetics & Ergonomics)

Rhodes University

2010 BScHons (Zoology)

Rhodes University

2013 MSc (Zoology) (*cum laude*)

Nelson Mandela University

Thesis:

FORAGING ECOLOGY OF GENTOO PENGUINS PYGOSCELIS PAPUA AT THE FALKLAND ISLANDS

In a time of rapid environmental change, there is pressing need to understand the complex interactions between animals and their environment, and if top predators can be used as samplers of the environment. Fundamentally, this requires asking what, where and how an animal integrates itself in an ecosystem. This study, the largest multi-site investigation for gentoo penguins at the Falkland Islands, found birds to be locally specialised, and that caution should be taken when using top predators as environmental indicators. Therefore, inferring resource requirements from one site to another will not suffice toward the conservation and management of this species.

THE DEGREE OF DOCTOR OF PHILOSOPHY (ZOOLOGY)

ANNAH MABIDI

Previous qualifications:

2004 BScHons (Biological Sciences)

University of Zimbabwe

2008 MSc (Tropical Resource Ecology)

University of Zimbabwe

Thesis:

FRESHWATER INVERTEBRATE ASSEMBLAGES OF THE EASTERN CAPE KAROO REGION (SOUTH AFRICA) EARMARKED FOR SHALE GAS EXPLORATION

This study investigated eco-limnological aspects of surface waterbodies in the Eastern Cape Karoo. Results revealed that waterbody type is the only factor with significant effects on physico-chemical and biotic variables. This shows that invertebrates in temporary wetland systems are highly adapted to variability at different scales. However, hatchling abundance and diversity of crustacean branchiopods was drastically reduced at salinities ($\geq 2.5 \text{ g L}^{-1}$). Thus, if the region continues to experience increasing aridity and possible shale gas extraction, which all aggravate the salinisation problem, severe loss of large branchiopod diversity is likely to occur, with cascading effects on the whole ecosystem.

THE DEGREE OF DOCTOR OF TECHNOLOGY (AGRICULTURE)

MUSA KHAPAYI

Previous qualifications:

2008 Diploma (Agriculture)
2011 BTech (Agriculture)
2013 MTech (Agriculture)

Nelson Mandela University
Nelson Mandela University
Nelson Mandela University

Thesis:

*AGRIBUSINESS CHALLENGES TO EFFECTIVENESS OF CONTRACT FARMING IN
COMMERCIALISATION OF SMALL-SCALE VEGETABLE FARMERS*

The present study has investigated the narrative on contract farming as expressed by researchers worldwide, and multilateral institutions from 1974 to the present. From this, frameworks were constructed: one to examine the underlying approaches to the role of the government, agribusiness and the smallholder farmers in agricultural development, and the other to reveal how the potential and the risks of contract farming have structured the institutions' narrative. The results revealed that socio-economic polarity that still characterises South African agriculture in general is the fundamental reason why the impact of contract farming in South Africa remains limited and why its effectiveness as a development strategy to enhance the transition of small-scale farmers from subsistence farming to commercial agriculture is doubtful. In addition, the divide between the context within which agribusiness operates and the grassroots reality of small-scale producers as yet remains too wide to bridge.

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.**