



# Graduation Programme

The Future. Reimagined.





## Dear UJ Graduate

At the University of Johannesburg (UJ), graduation not only signifies an academic milestone but also represents the emergence of a new cohort of leaders. Our objective has been to empower you as leaders who are primed to face the challenges of an ever-changing world defined by a plethora of challenges and opportunities. As you navigate these great societal shifts, we hope that your time at UJ will serve as a constant source of reference and inspiration. As we have sought to demonstrate, the Fourth Industrial Revolution (4IR) presents the opportunity for the exploration of new and exciting spheres, and you are uniquely poised to navigate this terrain. Our focus at UJ has been to create graduates who are agile, curious, and able to be active participants against this backdrop.

Your graduation today serves as a celebration of this momentous achievement! I want to take this opportunity to remind you that you now represent the privileged few in our country. You are uniquely poised to address some of the serious challenges we face and a qualification from UJ will stand you in good stead!

At UJ, you have encountered the finest academic minds from diverse backgrounds, spanning across the world as well as innovative technology-rich approaches to teaching and learning. As a result, UJ's global stature and academic robustness are recognised by the most prestigious global higher education ranking systems in the world. UJ has become a competitive player, not only in South Africa but also on the continent. You are an important part of this story.

We welcome you as a new member of our esteemed alumni community, which is making a lasting impact on society. We encourage you to join the UJ Alumni Network and become an active member of the University Convocation, which affords you an opportunity to make a significant contribution to our academic projects and beyond. Our promise in return to you is that we will continue to build UJ as an international university of choice, anchored in Africa, dynamically shaping the future.

Congratulations on this significant achievement. We look forward to witnessing you reimagine the future!

**Prof Letlhokwa Mpedi**  
*Vice-Chancellor and Principal*  
*University of Johannesburg*

**Welcome to the  
Graduation Ceremony of the  
University of Johannesburg  
8 May 2023 at 13:00**

**Welkom by die  
Gradeplegtigheid van die  
Universiteit van Johannesburg  
8 Mei 2023 om 13:00**

**Le a Amogelwa  
Moletlong wa Dikapešo wa  
Yunibesithi ya Johannesburg  
8 Mopitlo 2023 ka 13:00**

**Niyamukelwa  
eMcimbini wokweThweswa kweZiqu  
weNyuvesi yaseJohannesburg  
8 kuNhlaba 2023 ngele-13:00**

# **UNIVERSITY OF JOHANNESBURG**

## **CHANCELLOR**

Dr P Mlambo-Ngcuka

BA Ed (Lesotho), MPhil (UCT), DTech Ed (Warwick, England)

## **MEMBERS OF THE MANAGEMENT EXECUTIVE COMMITTEE**

### **VICE-CHANCELLOR AND PRINCIPAL**

Prof LG Mpedi

B Juris, LLB (Vista), LLM (RAU), LLD (UJ)

### **DEPUTY VICE-CHANCELLOR: ACADEMIC**

Prof S Khan

BSc, BSc Hons, MSc, PhD (UWC)

### **DEPUTY VICE-CHANCELLOR: RESEARCH AND INTERNATIONALISATION**

Prof S Sinha

BEng, MEng, PhD (UP)

## **REGISTRAR**

Prof B van Vuuren  
BSc, BSc Hons, MSc, PhD (UP)

## **CHIEF FINANCIAL OFFICER**

Ms N Mamorare  
BCom (Rhodes), BCom Hons (UKZN), CA (SA)

## **CHIEF OPERATING OFFICER**

Dr M Ralephata  
BSc Eng (Wits), MBA (UOVS), MSc, DBA (Heriot-Watt, UK)

## **SENIOR EXECUTIVE DIRECTOR**

Dr N Vukuza  
BA (Fort Hare), BA Hons (Rhodes), DTE (UNISA), MA (Wits),  
PhD (SUN)

## **GENERAL COUNSEL**

Mr D Pretorius  
BCom, LLB, LLM (NWU)

## **EXECUTIVE DEANS**

### **COLLEGE OF BUSINESS AND ECONOMICS**

Prof L Ntsalaze

BCom, BCom Hons (NMMU), MPhil (UCT), PhD (SUN)

### **FACULTY OF ART, DESIGN AND ARCHITECTURE**

Prof D Smal (Acting)

NDip, NHDip Clothing (TP), MTech Fashion (TUT),  
DTech Design (CPUT)

### **FACULTY OF EDUCATION**

Prof N Petersen

BA Ed (UNISA), BEd Hons, MEd (RAU), DEd (UJ)

### **FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT**

Prof DJ Mashao

BSc Eng, MSc Eng (UCT), MSc AM, PhD (Brown, USA)

### **FACULTY OF HEALTH SCIENCES**

Prof A Temane (Acting)

BNSc (UNW), MCur (RAU), PhD (UJ)

## **FACULTY OF HUMANITIES**

Prof K Naidoo

BA, BA Hons, MA (UDW), DTE (Unisa), PhD (Manchester, UK)

## **FACULTY OF LAW**

Prof W Domingo

B SoSc (UCT), LLB (UWC), LLM (Columbia, USA),  
SJD (Wisconsin-Madison, USA)

## **FACULTY OF SCIENCE**

Prof R Meijboom (Acting)

M (Groningen, Netherlands), PhD (UCT)

## **DEAN**

### **JOHANNESBURG BUSINESS SCHOOL**

Dr R Carolissen

BSc, BSc Hons, MSc (UWC), BBA Hons,  
MBA (SUN), MCom (NWU), PhD (UWC)

# **MEMBERS OF COUNCIL**

## **CHAIRPERSON**

Ms X Kakana

## **DEPUTY CHAIRPERSON**

Dr Y Ndema

## **MEMBERS**

Prof H Abrahamse

Mr FM Baleni

Ms K Gugushe

Prof D Hildebrandt

Prof S Khan

Ms K Khumalo

Ms B Madikizela

Mr M Mahlasela

Mr M Manana

Ms L Mateza

Dr A Mokoena

Ms N Molope

Prof LG Mpedi

Mr LM Mpunzi

Ms NP Mvubu

Dr WP Rowland

Ms JA Schreiner

Prof A Strydom

Mr T Thobejane

## **PRESIDENT OF CONVOCATION**

Mr LM Mpunzi



# GAUDEAMUS IGITUR

Gaudeamus igitur,  
Juvenes dum sumus;  
Post iucundum iuventutem,  
Post molestam senectutem  
Nos habebit humus.  
Vivat academia,  
Vivant professores,  
Vivat membrum quodlibet,  
Vivat membra quaelibet;  
Semper sint in flore!

## English

Let us rejoice, therefore,  
While we are young.  
After a pleasant youth  
After a troubling old age  
The earth will have us.  
Long live the academy!  
Long live the professors!  
Long live each student;  
Long live the whole fraternity;  
For ever may they flourish!

## Sesotho sa Leboa

Ka gona, a re thabeng,  
Re sa le ba bafsa.  
Ka morago ga bofsa bjo bo bose  
Ka morago ga go tšofala mo go nago  
le mathata  
Lefase le tla ba le rena.  
Phela thuto phela!  
Phelang diprofesa phelang!  
Phelang baithuti phelang;  
Phela kagišano ka botlalo phela;  
O ka re ba ka phela gabotse  
goyagoile!

## Afrikaans

Laat ons dan vrolik wees,  
Terwyl ons jonk is;  
Na 'n aangename jeug.  
Na 'n onaangename oudag,  
Sal die aarde ons hou.  
Lank lewe die universiteit,  
Lank lewe die professore,  
Lank lewe elke student,  
Lank lewe al die studente,  
Mag hulle vir ewig hul jeug behou!

## Zulu

Ngakho, masithokoze  
Sisebasha nje.  
Emva kobumnandi bobusha  
Emva kwezinkinga zobudala  
Umhlaba uzosithatha.  
Phambili ngemfundo!  
Phambili boSolwazi!  
Phambili nakuwe mfundi;  
Phambili ngenhlangano yonke;  
Maziqhubeke ngonaphakade!

# COLLEGE OF BUSINESS AND ECONOMICS

## QUALIFICATIONS

### 1. Diploma

**Daniel**, Inga (Financial Services Operations)  
**Gumiro**, Vimbainashe (Accountancy)  
**Gwebu**, Kaya Siqongile Kazungwane (Accountancy)  
**Hlatshwayo**, Sizwe Fortune (Accountancy)  
**Hlaulane**, Martin Nhlamulo (Accountancy)  
**Khoza**, Xolani (Financial Services Operations)  
**Layte**, Tesslynn Amelia (Accountancy)  
**Madondo**, Gugu Angelina (Accountancy)  
**Mahlangu**, Lindiwe (Accountancy)  
**Mahlangu**, Nimrod Nkosinathi (Accountancy)  
**Mahlangu**, Nqobile Busisiwe (Accountancy)  
**Makonga**, Junior Mubibya (Financial Services Operations)  
**Malatji**, Kgothatso Valentine (Accountancy)  
**Mangwani**, Karabo Brigget (Accountancy)  
**Mgaga**, Thokozani (Accountancy)  
**Miji**, Lumiere Kazadi (Accountancy)  
**Moahlodi**, Tshepiso Bongani (Accountancy)  
**Modikoe**, Koketso Angelina (Accountancy)  
**Mokoena**, Bonolo Felicity (Accountancy)  
**Mokwena**, Mmaletsatsi (Accountancy)  
**Mtshali**, Mpilonhle Thimlo (Accountancy)

**Mtshweni**, Felicia Nonhlanhla (Accountancy)  
**Mutsiwa**, Lesley (Accountancy)  
**Ndlovu**, Bradley Nkosiyazi (Accountancy)  
**Nkabinde**, Bridgette Valencia (Accountancy)  
**Nkosi**, Nomusa (Accountancy)  
**Pondamari**, Adel Chiedza (Financial Services Operations)  
**Rakgoale**, Dineo (Accountancy)  
**Rikhotso**, Nhletelo Charmaine (Accountancy)  
**Seabela**, Tshegofatso Mapula (Accountancy)  
**Sekgoro**, Oteng Gaolatlhe (Accountancy)  
**Tshinyeta**, Dorcas Bilonda (Financial Services Operations)  
**Vilakazi**, Silungile Seluleko (Accountancy)  
**Zungu**, Mduduzi (Accountancy)  
**Zwane**, Nhlanhla (Accountancy)

## 2. Advanced Diploma

**Mabaso**, Nkosikhona Trial (Accountancy)  
**Mafonjo**, Boipelo (Financial Management)  
**Mashaba**, Kamogelo Hans (Accountancy)  
**Mia**, Muhammad Ghulaam (Financial Management)  
**Mikhane**, Katlego (Financial Management)  
**Mmbi**, Faith Fiona Fulufhelo (Financial Management)  
**Mohase**, Tsepo Sydney (Financial Management)  
**Mokoena**, Matshidiso Tshiamiso (Accountancy)  
**Motaung**, Karabo Tshepiso (Accountancy)  
**Munyai**, Muofhe Prudence (Accountancy)  
**Otabil**, Kelvin Kofi Anu (Accountancy)  
**Sithole**, Sphelele Siyabonga (Accountancy)

**Tavengwa, Raymond** (Accountancy)

### **3. Master of Tourism and Hospitality Management**

**Burton, Calum Nicholas** (Tourism and Hospitality Management) (**with distinction**)

**Dissertation:** The development of Dinokeng as an emerging Eco-Urban tourism destination

**Supervisor:** Prof JM Rogerson

**Chauke, Blessing Pukuna** (Tourism and Hospitality Management)

**Dissertation:** Workplace inclusive policies for disabled employees within four and five star hotels

**Supervisor:** Ms NE Mhlongo-Zungu

**Dube, Thabile** (Tourism and Hospitality Management)

**Dissertation:** Impact of virtual reality technology on a local tourism product

**Supervisor:** Prof D van Lill

**Co-Supervisor:** Dr LO Idahosa

**Co-Supervisor:** Prof AO Ade-Ibijola

**Khan, Umme-Ayman Ismail** (Tourism and Hospitality Management)

**Dissertation:** Muslim Community's perceptions of Halaal friendly restaurants

**Supervisor:** Mrs DS Hewson

**Co-Supervisor:** Mr AD Brain

**Mhlabane, Banele Mafasi** (Tourism and Hospitality Management)

**Dissertation:** Tourism stakeholder perceptions of the impact of a tourism route

**Supervisor:** Prof CM Rogerson

**Co-Supervisor:** Dr S Nyikana

**Myburgh, Micaela** (Tourism and Hospitality Management)

**Dissertation:** Food waste management in private hospitals

**Supervisor:** Dr H Kesa

# FACULTY OF HEALTH SCIENCES

## QUALIFICATIONS

### 4. Bachelor of Optometry

**Adam, Abdullah**

**Aysen, Aneesa**

**Bhembe, Mandisinhlanhla**

**Bidla, Ntsindiso**

**Biyela, Phiwokuhle Nokuphila**

**Boshomane, Koena Brilliant Mankatedi**

**Chifamba, Shamila Shamiso**

**Chothia, Humeira**

**Cloete, Terence Eugene**

**Coetzee, Bianca**

**Damoyi, Zikhona**

**Dedig, Svenja Beate**

**Docrat, Juwayriya**

**Mabu, Londiwe Victoria**

**Mahran, Mohjat**

**Makofane, Napogadi Lucy**

**Malate, Khotsofalang**

**Malepfana, Mfanelo**

**Maphalala, Sihle Surprise**

**Mathebula, Professor Zane**

**Matsenjwa, Nhlanganiso Luyandza**

**Mazibuko, Ntombizethu Lady-Fair**  
**Meintjes, Chanel**  
**Moila, Lesego**  
**Moketwa, Malose Thomas**  
**Mokwana, Andries**  
**Mphahlele, Rose Nthabiseng**  
**Msomi, Mthobisi**  
**Muavha, Lifasi Queen**  
**Naidoo, Viashni**  
**Namukwambi, Aino Junie Kandalindishishi**  
**Netshimbupfe, Tshimangadzo**  
**Nkoane, Kelebogile**  
**Nkuna, Convey**  
**Noorbhai, Laaiqah**  
**Nyarugwe, Eddnice**  
**Patel, Dipali Rajesh**  
**Rawlins, Brigitte**  
**Seedat, Naadirah**  
**Setati, Kgaugelo Lucy**  
**Shabalala, Anele Siyabonga**  
**Sithole, Lerato Margaret**  
**Suliman, Zaakirah**  
**Zahid, Laiba (with distinction)**  
**Zulu, Samkelisiwe**

## **5. Further National Higher Diploma**

**Kgomo, Mokoka Daisy (Medical and Surgical Nursing  
Science: Critical Care)**

## 6. **Baccalaureus Curationis (Educationis et Administrationis)**

**Gule**, Thembelihle Lizzy (Medical and Surgical Nursing Science: Critical Care)

**Lefowa**, Masetsha Christinah (Medical and Surgical Nursing Science: Critical Care)

**Mabunda**, Lungisa Zanele (Occupational Health Nursing Science)

**Moyo**, Bulukani (Medical and Surgical Nursing Science: Critical Care)

**Thring**, Happy Lorrain (Medical and Surgical Nursing Science: Critical Care)

**Tlake**, Lucia Mamphefo (Advanced Midwifery and Neonatal Nursing Science)

**Tshabalala**, Thulisiwe Veronica (Medical and Surgical Nursing Science: Critical Care)



# Special Award

**Faculty of Health Sciences:**

**Faculty Prize for the Most Prestigious student among  
Undergraduate and Honours students for 2022**

**Zlotnick, Elai Miriam**

**(Bachelor of Arts) Biokinetics (with distinction)**

## 7. Master of Technology

**Ismail, Ahtiya** (Radiography)

**Dissertation:** The perceptions of Medical Imaging and Radiation Sciences students on the attributes for clinical educators in the degree programme

**Supervisor:** Ms LJ Hazell

**Co-supervisor:** Ms F Bhyat

**Smith, Megan** (Radiography) **(with distinction)**

**Dissertation:** Parents' perception of paediatric care in a radiology department within Gauteng

**Supervisor:** Ms LJ Hazell

**Co-supervisor:** Ms FAS Mulla

## 8. Masters

**Asfaw, Meseret Tamirat** (Master of Public Health)

**Minor Dissertation:** Covid-19 knowledge, attitude, practice and level of occupational risk perception among health care workers in Lesotho

**Supervisor:** Dr N Ndaba

**Caine, Fun One** (Master of Public Health)

**Minor Dissertation:** An assessment of knowledge, attitudes and beliefs of tuck shop owners regarding food safety in Vosloorus, Ekurhuleni, South Africa

**Supervisor:** Ms MC Mokoatle

**Dyasi, Ongeziwe** (Master of Public Health)

**Minor Dissertation:** Factors related to burnout amongst nurses at private hospital in Johannesburg, South Africa

**Supervisor:** Dr EE Agbenyeku

**Co-supervisor:** Dr HB Taderera

**Dlamini, Nomcebo Primrose** (Master of Public Health)

**Minor Dissertation:** Assessment of the compliance in the management of solid waste in Mbabane City, Eswatini

**Supervisor:** Dr V Nkosi

**Ekodeu, Richard** (Master of Public Health)

**Minor Dissertation:** Evaluation of the effects of Ugandan malaria vector control program strategies on vector control in Kapir sub-county, Ngora district, Uganda

**Supervisor:** Dr EE Agbenyeku

**Erastus, Aina Ndilimeke** (Master of Public Health)

**Minor Dissertation:** Assessing the risk factors associated with the transmission of COVID-19 among health workers in a private hospital in Namibia

**Supervisor:** Prof N Naicker

**Hlatshwayo, Khanyisile Reconcile** (Master of Public Health)

**Minor Dissertation:** Evaluation of control and treatment for Tuberculosis among health workers in Mbombela healthcare facilities, Mpumalanga province

**Supervisor:** Dr T Singh

**Jorgensen, Anna Johanna** (Master of Public Health)

**Minor Dissertation:** A retrospective study assessing the cost impact of COVID-19 on a health company in South Africa

**Supervisor:** Dr EE Agbenyeku

**Co-supervisor:** Dr T Singh

**Kadzatsa, Webster** (Master of Public Health)

**Minor Dissertation:** Investigating the association between firewood smoke and Esophageal cancer in Zimbabwe

**Supervisor:** Ms M Chadyiwa

**Landu, Tembelani** (Master of Public Health)

**Minor Dissertation:** Assessing the risk of COVID-19 exposure to primary health care workers in King Sabatha Dalindyebo

**Supervisor:** Dr T Singh

**Lenders, Alarice Zenobia** (Master of Public Health)

**Minor Dissertation:** Barriers to retaining human immunodeficiency virus (HIV) positive patients on the antiretroviral therapy program in Northwest Province, Dr Kenneth Kaunda district

**Supervisor:** Prof N Naicker

**Maja, Leonard Lasi** (Master of Public Health)

**Minor Dissertation:** Assessment of knowledge, attitudes, and safety practices on handling and using pesticides among the crop farm pesticides applicators in Limpopo province areas

**Supervisor:** Dr W Utembe

**Mhlongo, Sboniso** (Master of Public Health) **(with distinction)**

**Minor Dissertation:** Occupational health and safety awareness and practices to prevent Zoonotic diseases among veterinary services field workers in the North

**Supervisor:** Prof N Naicker

**Co-supervisor:** Dr T Singh

**Mhlongo, Thandeka Hamilton** (Master of Public Health)

**Minor Dissertation:** Individual-level factors associated with perceived COVID-19 risk among health care workers in South Africa

**Supervisor:** Prof RN Phaswana-Mafuya

**Co-supervisor:** Dr E Phalane

**Mnisi, Francina Koena** (Master of Public Health)

**Minor Dissertation:** Assessment of job-related factors associated with stress and burnout amongst mental health care workers in Gauteng, South Africa

**Supervisor:** Dr EE Agbenyeku

**Co-supervisor:** Dr PC Rathebe

**Muganhiri, Tariro** (Master of Public Health)

**Minor Dissertation:** Evaluation of the effectiveness of international health regulations (2005) at international airports in Zimbabwe

**Supervisor:** Dr BH Taderera

**Ndlovu, Melt Sinala (Master of Public Health)**

**Minor Dissertation:** Investigation of knowledge and compliance with standard precautions among primary health care workers during patient care at Hillbrow community health care

**Supervisor:** Dr BH Taderera

**Ngungunyani, Rosina (Master of Public Health)**

**Minor Dissertation:** Factors associated with COVID-19 knowledge and prevention practice among health care workers in South Africa

**Supervisor:** Prof RN Phaswana-Mafuya

**Co-supervisor:** Dr E Phalane

**Nsengimana, Jean Paul Vizir (Master of Public Health)**

**Minor Dissertation:** Knowledge, attitudes and perceptions about occupational hazards and the use of safety measures among healthcare workers in a teaching hospital in Rwanda

**Supervisor:** Dr SF Raphela

**Co-supervisor:** Dr HB Taderera

**Ntuli, Themba Tom (Master of Public Health)**

**Minor Dissertation:** Socio-economic risk Factors for acquired multi drug-resistant Tuberculosis among Tuberculosis patients in South Africa, Tshwane health district: A retrospective study

**Supervisor:** Prof N Naicker

**Perumal, Melanie** (Master of Public Health)

**Minor Dissertation:** The effects of exposure to ergonomic hazards among Medical Laboratory technicians at a government hospital in KwaZulu-Natal

**Supervisor:** Ms S Bidassey-Manilal

**Raphala, Phuti Cynthia** (Master of Public Health)

**Minor Dissertation:** An assessment of the knowledge, attitude, and practices amongst maintenance workers on the effects of occupational noise in selected health facilities in Modimolle-Mookgopong municipality, Limpopo province

**Supervisor:** Dr EE Agbenyeku

**Co-supervisor:** Dr PC Rathebe

**Rusike, Sheilah Christina** (Master of Public Health)

**Minor Dissertation:** Knowledge and practices regarding Cholera preparedness and prevention in Glenview high-density suburb of Harare, Zimbabwe

**Supervisor:** Dr P Muchesa

**Tantoh, Asongwe Lionel Ateh** (Master of Public Health)

**Minor Dissertation:** Mortality trends of COVID-19 outbreak cases and associated risk factors, Free State, South Africa

**Supervisor:** Ms MC Mokoatle

**Tonoue Simo, Linda Ornella** (Master of Public Health)

**Minor Dissertation:** Establishing the prevalence of respiratory health symptoms amongst street vendors in Johannesburg CBD, South Africa: A cross-sectional study

**Supervisor:** Dr EE Agbenyeku

**Trower, Travis Charlton** (Master of Emergency Medical Care)  
**Minor Dissertation:** Physical preparedness practices of search and rescue services in Gauteng, South Africa  
**Supervisor:** Prof C Vincent- Lambert

**Tsholetsane, Norah Kesenogile** (Master of Public Health)  
**Minor Dissertation:** Assessment of compliance to health and safety regulations by early childhood developmental centres (ECDs) in Rand West City, Gauteng  
**Supervisor:** Dr EE Agbenyeku  
**Co-supervisor:** Ms MA Qambayot

**Van Wyk-Heath, Marelize** (Master of Public Health)  
**Minor Dissertation:** Knowledge, attitudes, and practices towards occupational vaccinations among primary healthcare workers of Tshwane in Healthcare Institutions  
**Supervisor:** Dr P Muchesa  
**Co-supervisor:** Ms M Chadyiwa

**Vincent- Lambert, Ashleigh** (Master of Emergency Medical Care)  
**Minor Dissertation:** A consensus - based tool for capability benchmarking of emergency medical services in South Africa  
**Supervisor:** Prof COA Stein



**Xilumani, Dzunisani** (Master of Public Health)

**Minor Dissertation:** Knowledge and attitudes of food handlers regarding food hygiene and safety in school feeding schemes, Mopani district, South Africa

**Supervisor:** Ms MC Mokoatle

## 9. Master of Health Sciences

**Bwangu, John** (Medical Imaging & Radiation Sciences)

**Dissertation:** Reporting on diagnostic images as role extension in Uganda: Radiographers' experiences and attitudes

**Supervisor:** Ms JA Motto

**Co-supervisor:** Ms LJ Hazell

**Choonara, Yaasirah Mohomed** (Podiatry)

**Dissertation:** Diabetic foot complications and their management at primary health care in Johannesburg

**Supervisor:** Mr SM Ntuli

**Gerazounis, Caitlin** (Complementary Medicine) **(with distinction)**

**Minor Dissertation:** A survey on the use and types of consultation strategies by complementary medicine practitioners in South Africa

**Supervisor:** Dr NT Gower

**Gherbavaz, Gillian (Chiropractic) (with distinction)**

**Minor Dissertation:** Comparing the start back screening tool's subgroup allocation of individual patients with that of chiropractic student interns and chiropractic clinicians at the University of Johannesburg chiropractic clinic

**Supervisor:** Prof CJ Yelverton

**Jele, Bongani Prince (Podiatry)**

**Dissertation:** Foot and lower limb pathologies in HIV/AIDS patients presenting at primary healthcare clinics in Ekurhuleni

**Supervisor:** Mr SM Ntuli

**Kwinana, Thulani (Medical Imaging & Radiation Sciences)**

**Dissertation:** Technostress amongst radiographers in Gauteng

**Supervisor:** Ms LJ Hazell

**Lekola, Puseletso Violah Mmateng (Podiatry)**

**Dissertation:** The incidence of foot and lower limb injuries in professional soccer players in Gauteng

**Supervisor:** Mr SM Ntuli

**Letsoalo, Anah Masamo (Podiatry)**

**Dissertation:** The prevalence of foot and lower limb pathologies seen at Mankweng hospital in Limpopo province

**Supervisor:** Mr SM Ntuli

**Leyane, Thobekile Sapie (Biomedical Sciences) (with distinction)**

**Dissertation:** Influence of photobiomodulation in the near-infrared range (830 nm) on the JAK/STAT signalling pathway in diabetic wounded fibroblast cells

**Supervisor:** Prof NN Houreld

**Co-supervisor:** Dr S Jere

**Mgojo, Andiswa Sydness (Biomedical Sciences)**

**Dissertation:** Histopathological and morphometrical changes of the intestinal barrier in a Sprague Dawley rat model of type 2 diabetes mellitus

**Supervisor:** Dr P Nkomozepe

**Co-supervisor:** Prof EF Mbajjorgu

**Co-supervisor:** Ms JQ Mthombeni

**Nyokana, Telang Dominic (Environmental Health)**

**Dissertation:** A model to reduce poor solid waste collection for Mogale city local municipality

**Supervisor:** Dr MF Senekane

**Otto, Daniel Julian (Chiropractic)**

**Minor Dissertation:** Attitudes, and perceptions of chiropractic students at a university in South Africa towards the COVID-19 vaccination

**Supervisor:** Prof CJ Yelverton

**Co-supervisor:** Dr S Pillay

**Phukobye, Taelo Ruth (Human Physiology)**

**Dissertation:** The effect of methanolic leaf extract of *Combretum molle* on d-galactose induced intestinal histopathological and morphological changes in Sprague Dawley rats

**Supervisor:** Ms TMD Fasemore

**Co-supervisor:** Dr P Nkomozepe

**Co-supervisor:** Prof F Mbajjorgu

**Sibanda, Njabulo Henry (Biomedical Sciences)**

**Dissertation:** Multi- ethnic study of the distribution of full blood count parameters in first time donors in South Africa

**Supervisor:** Dr S Eagleton

**Supervisor:** Ms P de Lange- Jacobs

**Co-supervisor:** Dr T Glatt

**Sooknanan, Rachna (Biomedical Sciences) (with distinction)**

**Dissertation:** Assessing the diagnostic utility of fluorescent *In situ* hybridisation (FISH) as follow-up testing for postnatal microarray results

**Supervisor:** Dr SM Ayuk

**Co-supervisor:** Dr FK Baine-Savanhu

**Stork, Laura Amy (Medical Imaging & Radiation Sciences)**

**Dissertation:** Radiographer experiences of personal protective equipment during COVID-19 in Gauteng, South Africa

**Supervisor:** Ms LJ Hazell

**Sukraj, Payal** (Complementary Medicine) **(with distinction)**

**Minor Dissertation:** The antifungal effect of *Punica granatum* on clinically relevant *Candida* species, *in vitro*

**Supervisor:** Dr RK Razlog

**Co-supervisor:** Prof TG Barnard

## 10. Master of Nursing Science

**Mafolo, Mamodiege Cynthia** (Community Nursing Science: Occupational Health Nursing Science)

**Dissertation:** The experiences of medical technologists in Gauteng regarding medical specimen handling and occupational exposure during the COVID -19 pandemic

**Supervisor:** Ms E Mutava

**Co-supervisor:** Dr AS Du Plessis – Faurie

**Makwakwa, Masego Melita** (Professional Nursing Science: Ethos & Professional Practice)

**Dissertation:** The role of trade unions in nursing as a caring profession

**Supervisor:** Prof C Downing

**Co-supervisor:** Mr RM Rasesemola

**Mkhize, Sebeongile Pam Iris** (Professional Nursing Science: Nursing Education)

**Dissertation:** Registered nurses' perceptions regarding the role of a clinical facilitator in a public hospital in Gauteng

**Supervisor:** Dr SB Matlala

**Co-supervisor:** Mr RM Rasesemola

**Co-supervisor:** Ms LP Matshaka

**Muhlare, Mukelani Lancelot** (Professional Nursing Science: Ethos & Professional Practice) **(with distinction)**

**Dissertation:** Self-care behaviours and practices of professional nurses working in primary healthcare clinics

**Supervisor:** Prof C Downing

**Mulaudzi, Fhulufhelo** (Professional Nursing Science: Ethos & Professional Practice) **(with distinction)**

**Dissertation:** Frontline nurses' adherence to COVID-19 policies in rendering nursing care during the pandemic in an academic hospital in Johannesburg

**Supervisor:** Prof C Downing

**Ndlela, Mavis** (Community Nursing Science: Primary Health Care)

**Dissertation:** Preparedness for sound clinical judgement in practice: Newly qualified primary health care nurses

**Supervisor:** Prof C Downing

**Ngobeni, Evelyn Lindiwe** (Professional Nursing Science: Nursing Education)

**Dissertation:** Facilitation of critical thinking by clinical facilitators in a public nursing college in Gauteng

**Supervisor:** Prof A Makhene

**Co-supervisor:** Ms LP Matshaka

**Olivier, Leonie** (Professional Nursing Science: Ethos & Professional Practice) **(with distinction)**

**Dissertation:** Practice readiness of final-year nursing students in intensive care in a private hospital group

**Supervisor:** Prof C Downing

**Payen, Neeroshene** (Professional Nursing Science: Nursing Education)

**Dissertation:** Caring for patients with mental illness in a general ward in a private hospital: The student nurse experience

**Supervisor:** Prof A Makhene

**Swanepoel, Gitte Marie** (Professional Nursing Science: Ethos & Professional Practice)

**Dissertation:** Caring for young women with breast cancer: A meta-synthesis

**Supervisor:** Prof G Ndawo

**Co-supervisor:** Prof C Downing

**Tselana, Precious Sellane** (Maternal & Child Nursing Science: Midwifery & Neonatal Nursing)

**Dissertation:** Experiences of midwives related to communication with deaf women during normal vertex delivery in Tembisa tertiary hospital in Gauteng Province

**Supervisor:** Prof RN Ngunyulu

**Co-supervisor:** Ms PM Lunda

**Wopula, Nangamso Siyabulela** (Professional Nursing Science: Nursing Management)

**Dissertation:** Facility managers' experiences of new management dynamics in primary healthcare service during the COVID -19 pandemic in Ekurhuleni district

**Supervisor:** Mr SE Nene

**Co-supervisor:** Ms EM Nkosi

## 11. Master of Philosophy

**Chauke, Makungu Marvellous** (Biokinetics)

**Dissertation:** Possible correlations between HbA1c and selected modifiable risk factors for type 2 diabetes mellitus in a non-diabetic population

**Supervisor:** Prof L Lategan

**Heyneke, Lisa** (Biokinetics) **(with distinction)**

**Dissertation:** The influence of lower limb strength and trunk kinematics of male rowers during ergometer rowing

**Supervisor:** Dr AC Green



**Mbatha, Thembisile** (Sport Management)

**Minor Dissertation:** The experiences of female football coaching staff working in a male dominated sport: A case study

**Supervisor:** Dr N Janse van Rensburg

**Ndlomo, Kelvin Valentine Mandlenkosi** (Sport Science)

**Dissertation:** The effects of high intensity training on the aerobic capacity of football players

**Supervisor:** Dr AC Green

**Co-supervisor:** Mr AJJ Lombard

**Radebe, Vuyelwa** (Biokinetics)

**Dissertation:** The possible therapeutic benefits of retro walking: A systematic review

**Supervisor:** Prof L Lategan

**Radulovic, Vukasin** (Sport Science)

**Dissertation:** The kinetic analysis of various modes of weighted countermovement jumps

**Supervisor:** Dr AC Green

**Co-supervisor:** Mr DP Kwong

**Wilkinson, Rebecca Marion** (Biokinetics)

**Dissertation:** Quality of life and physical activity levels in female breast cancer patients and survivors in Ekurhuleni, South Africa

**Supervisor:** Dr L Smith

# **Special Award**

**Faculty of Health Sciences:**

**Chancellors Medal for the Most Meritorious  
Master's Study for 2022**

**Heyneke, Lisa - (MPhil) Biokinetics (with distinction)**

# COLLEGE OF BUSINESS AND ECONOMICS

## QUALIFICATIONS

### 1. Doctor of Philosophy

**Govender, Vishanderan** (Public Management and Governance)

**Thesis:** A conceptual model to promote ethical governance in local government with reference to the Newcastle Local Municipality

**Supervisor:** Prof MI Jahed

**Co-Supervisor:** Prof CJ Auriacombe

**Joynt, Hubert** (Public Management and Governance)

**Thesis:** A governance framework for prioritisation of road infrastructure investment towards economic development in the North-West Province

**Supervisor:** Prof DF Meyer

**Lekgau, Refiloe Julia** (Tourism and Hospitality)

**Thesis:** Resilience and recovery of the MICE sector post-COVID-19

**Supervisor:** Prof TM Tichaawa

**Mapuvire, Victor** Kudakwashe (Public Management and Governance)

**Thesis:** A sustainability framework for managing the external public debt in Zimbabwe

**Supervisor:** Prof DE Uwizeyimana

**Mpotaringa, Mavis** (Tourism and Hospitality)

**Thesis:** Developing a framework to align tourism digital marketing strategies with tourists' needs and expectations

**Supervisor:** Prof TM Tichaawa

**Sixaba, Zinzisa** (Tourism and Hospitality)

**Thesis:** Small, medium and micro enterprise development: Black ownership of tourism products in the Eastern Cape

**Supervisor:** Prof CM Rogerson

# FACULTY OF HEALTH SCIENCES

## DOCTORAL QUALIFICATIONS

### 2. Doctor of Nursing Science

**Matshaka, Lorato Portia** (Professional Nursing Science)

**Thesis:** A model for student nurses to facilitate mindfulness in caring

**Supervisor:** Prof C Downing

**Co-supervisor:** Prof N Ntshingila

**Motsaanaka, Mpho Norah** (Professional Nursing Science: Nursing Education)

**Thesis:** Strategies to enhance clinical learning opportunities for student nurses in a public academic hospital in Gauteng

**Supervisor:** Prof A Makhene

**Co-supervisor:** Prof G Ndawo

### 3. Doctor of Philosophy (DPhil)

**Ntuli, Simiso Mordecai** (Sport Science)

**Thesis:** Foot morphology of Gauteng professional and university male football players; Implications for football boot design

**Supervisor:** Prof HF Morris-Eyton

**Co-supervisor:** Dr AC Green

**Richter**, Susarah Maria (Optometry)

**Thesis:** Hand hygiene knowledge, attitudes and practices in an academic optometric training facility in South Africa pre – and peri –COVID-19

**Supervisor:** Prof TG Barnard

#### 4. Doctor of Philosophy (PhD)

**Chizenga**, Elvin Peter (Biomedical Sciences)

**Thesis:** Biosynthesis and analysis of a nano-immuno-phthalocyanine compound for use in photodynamic therapy of human papillomavirus-transformed cervical cancer cells

**Supervisor:** Prof H Abrahamse

**Lewis**, Shantel (Medical Imaging & Radiation Sciences)

**Thesis:** A model to facilitate radiation protection among radiographers

**Supervisor:** Prof C Downing

**Co-supervisor:** Dr CM Hayre

**Mokoena**, Dimakatso Ribone (Biomedical Sciences)

**Thesis:** Effect of cannabidiol on hypericin- gold nanoparticle mediated photodynamic therapy of human breast cancer cells

**Supervisor:** Prof H Abrahamse

**Co-supervisor:** Prof B George

**Ribeiro, Radmila Krunica (Complementary Medicine)**

**Thesis:** Cytotoxic effects of cannabidiol (CBD) preparations and photodynamic therapy (PDT) on cervical cancer cell line

**Supervisor:** Dr CA Kruger

**Co-supervisor:** Prof H Abrahamse

# COLLEGE OF BUSINESS AND ECONOMICS

## DOCTORAL CV AND LAUDATIONS

**Govender, Vishanderan (PhD)**

Vishanderan Govender is currently serving as Chief Director in the Department of Public Works in KwaZulu-Natal. He is a seasoned local government specialist, having worked in the Newcastle Municipality in various senior positions for a period of 20 years. He holds a National Diploma in Horticulture from Technikon Natal, a Bachelor of Technology Degree in Horticulture from the Durban Institute of Technology, a Post Graduate Diploma in Labour Law from the Graduate Institute of Management and Technology, a Master of Public Administration (MPA) from the University of Pretoria (UP) and a Post Graduate Certificate in Financial Management from UP.

The study investigated the nature and scope of the challenges of good ethical governance in South Africa with reference to the Newcastle Local Municipality. A convergent mixed methods research design was applied by triangulating unobtrusive research methods with a quantitative and qualitative empirical investigation. The triangulation of data-collection methods included interviews and a survey questionnaire and literature and documentary sources.



The study found that there are ever-increasing challenges related to unethical behaviour and practices in local government in South Africa that can be attributed inter alia to a lack of proper procedures, a lack of institutional objectives, complicated ethical governance processes, as well as the absence of a proper implementation strategy to ensure ethical governance. The study proposed a conceptual framework to serve as a self-evaluation framework and yardstick to enhance ethical governance in the Newcastle Local Municipality.

**Supervisor:** Prof MI Jahed

**Co-Supervisor:** Prof CJ Auriacombe

## **Joynt, Hubert (PhD)**

Hubert Joynt holds a Bachelor of Town and Regional Planning, a BScHons (Transportation Planning), BAdminHons Transport Economics, a Master of Administration (Transport Economics) and a Doctor of Commerce. Academic achievements include Best Student and Senate Medal awards. He is employed as the Programme Manager: Centre of Excellence at Infrastructure South Africa and has over 30 years of work experience. He has also served in many senior and executive management positions in the consulting engineering and government sectors.

His study focused on formulating a governance framework for prioritising road infrastructure investment towards economic development in the North West province. This process required the analysis of the causal relationship between road investment and economic growth. This included measuring a Rural Access Index (RAI), calculating the value of travel time, and developing a governance framework for prioritisation.

The study confirmed that rural populations have poor accessibility. The urban/rural divide has been proven in the calculated RAI scores. Road infrastructure investment has a causal relationship with GDP growth and the value of travel time estimated impacts on project feasibility. As developed, the governance framework will assist with future project prioritisation. Lastly, the study proposed six pillars of policy reform in the North West province, including improved stakeholder participation; technical and project information

availability; economic and geographical equity; reformed road infrastructure planning and investment practices; rigorous project evaluation and infrastructure delivery governance.

**Supervisor:** Prof DF Meyer

**Lekgau, Refiloe Julia (PhD)**

Refiloe Julia Lekgau currently works for the University of Johannesburg (UJ) as a Lecturer at the School of Tourism and Hospitality. She holds a Master's degree in Tourism and Hospitality (cum laude), a Bachelor of Technology degree in Tourism Management (cum laude) and a National Diploma in Tourism Management, from UJ.

Ms Lekgau's doctoral thesis examined the resilience and recovery of the MICE sector, following the Covid-19 pandemic in South Africa. Grounded within the resilience, adaptive capacity, and stakeholder theories, the study employed a sequential mixed-method research approach, incorporating three case study areas in South Africa. The key findings revealed that adaptive operational strategies, learning, innovation, leadership, and political and regulatory environments emerged as important qualities for building a resilient MICE sector. Policy implications of these findings are proposed to inform future interventions in the development of a more resilient MICE sector in South Africa. The theoretical contribution of the study relates to the development of a resilience framework for MICE tourism in South Africa.

**Supervisor:** Prof TM Tichaawa

## **Mapuvire, Victor Kudakwashe (PhD)**

Victor Kudakwashe Mapuvire holds a BSc Honours degree in Administration and a Master's degree in Public Administration. He is a former policy analyst in the Ministry of Foreign Affairs and International Trade, and a former Budget Consultant for the Parliament of Zimbabwe.

His study sought to ascertain why Zimbabwe's external public debt has remained unsustainable, despite several efforts introduced by government to manage it. This study was anchored in a qualitative research approach with a case study research design.

Findings showed that the evolution and the current state of the external public debt in Zimbabwe has been influenced by both global and regional trends, the socio-economic, political and economic governance conditions prevailing within the country, and the government's failure to implement adequate debt management measures. The study recommends that the government of Zimbabwe institutes urgent reforms in the governance structures and public debt management practices, to improve the sustainability of the country's external public debt.

**Supervisor:** Prof DE Uwizeyimana

## **Mpotaringa, Mavis (PhD)**

Mavis Mpotaringa holds a Master of Management Sciences in Tourism and Hospitality Management from the Central University of Technology, a Bachelor of Commerce Honours degree in Tourism and Hospitality Management from Midlands State University (Zimbabwe) and a Post Graduate Certificate in Education from the University of South Africa (Unisa). She has over ten years of experience in education and tourism. Her most recent job was as a lecturer at the Central University of Technology.

The thesis developed a framework to align tourism-related digital marketing strategies with tourists' needs and expectations in a developing world context. Grounded within a multi-dimensional theoretical framework, the study adopted a mixed methods research design. Findings revealed that tourists' exposure and interactions with current and emerging digital trends and tools influenced their decision-making. Emanating from the study were the digital marketing strategies and psychological factors that effectively influence tourists' behaviour concerning tourists' intention to travel. The study advocates for inclusivity, sustainability, and the framework helps to improve tourists' digital experience and for tourism destinations to achieve SDGs 1 (no poverty) and 8 (decent work and economic growth).

**Supervisor:** Prof TM Tichaawa

**Sixaba, Zinzisa (PhD)**

Zinzisa Sixaba holds a BA, BAHons, and an MA from the University of the Western Cape (UWC). Currently, she is a Project Assistant at the Rhodes University African Studies Centre. Not only is she pursuing her academic career, but she is also involved as an informal agripreneur in poultry farming.

The challenges facing SMME development continue to attract a growing group of international scholars in the Global North and the Global South. In terms of the tourism sector, the study argued that mainstream writings on small firms are concentrated in the context of the Global North. Set within the environment of the Global South, within one of South Africa's poorest provinces, this research aimed to analyse the historical constraints and contemporary challenges that face black accommodation providers in the tourism sector of South Africa's Eastern Cape province.

The study reveals several key constraints faced by the emerging black entrepreneur in terms of the development of their small accommodation business, as well as highlighting spatial differences in patterns of tourism SMME development, which in part reflects apartheid's legacy. Overall, the study contributes to the literature on small tourism businesses in the Global South.

**Supervisor:** Prof C Rogerson

# FACULTY OF HEALTH SCIENCES

## DOCTORAL CV AND LAUDATIONS

### **Matshaka, Lorato Portia (DNSc)**

Lorato Portia Matshaka is a daughter of Tlaleng and Qarudu Bacana. Lorato is a wife, friend and confidante to Sisanda Matshaka and a mother to Yibanathi, Alunamda and Asiphesona. She completed her bachelor's degree (*cum laude*) in 2013 and her Master' degree in Ethos and Professional Practice (*cum laude*) in 2018. Lorato is a lecturer in the Department of Nursing at the University of Johannesburg. Lorato was one of the eleven students representing UJ at the Appalachian State University in the United States of America on a student exchange programme in 2012. Lorato was the first recipient of the Albertina Sisulu Award in the final year of her bachelor's degree in the Department of Nursing. Lorato has published two articles in international journals, for one of which she is the sole author. Lorato has presented at national and international conferences. Lorato supervised six master' students to completion. Lorato is passionate about mindfulness, love and Ubuntu.

The doctoral study was founded in the researcher's master's study, entitled 'Student nurses' perception of the relationship between mindfulness and caring'. The researcher developed a model as a framework of reference to facilitate caring through



the development of mindfulness. The following steps were followed: Step 1 identified the concepts and defined and classified the central concept. Step 2 included a description of the relationship between concepts. Step 3 was the development, description, and evaluation of the model. A panel of experts evaluated the model. Step 4 was the model's implementation. The central theme emerging from the data was that the model had empowered participants to love themselves and practise the art and science of nursing. The study made recommendations for nursing education, nursing practice, nursing research and nursing policy.

**Supervisor:** Prof C Downing

**Co-supervisor:** Prof N Ntshingila

## **Motsaanaka, Mpho Norah (DNSc)**

Mpho Norah Motsaanaka started her nursing career in 1996 when she enrolled for a 4-year diploma in nursing (General, Community & Psychiatry) & Midwifery at the BG Alexander Nursing College. In 2002, she obtained her 6-month certificate in Cardio-Thoracic Intensive Care Unit through Technikon SA. She also obtained her 2-year Diploma in Critical Care Nursing and Pharmacology in 2005 and the BCur (Ed et Admin) in Administration and Education from the University of Johannesburg in 2010. Mpho acquired her Master's degree in Nursing Education from the University of Johannesburg in 2018. Her nursing education career encompasses both undergraduate (R425 and R171 new programme) and postgraduate diploma in Critical Care Nursing at GCON. She has more than 10 years' experience in clinical nursing, working in cardio-thoracic and general ICUs.

This thesis developed strategies to enhance clinical learning opportunities (CLO) for student nurses in a public academic hospital in Gauteng. A qualitative, exploratory, descriptive, and contextual research design was used. The study was divided into four Phases. Phase 1 focused on concept analysis of the concept 'clinical learning opportunities'. Phase 2 explored and described the perceptions of nurse educators, clinical education teaching units (CETU) personnel, and operational managers on how clinical learning opportunities can be enhanced. Phase 3 involved conceptualisation of the findings in Phase 2, which culminated in the development and evaluation of strategies that can be used to enhance clinical learning opportunities for

healthcare students. The candidate has presented this study at several national conferences. She published one article of the study with the second article under review.

**Supervisor:** Prof A Makhene

**Co-supervisor:** Prof G Ndawo

## **Ntuli, Simiso Mordecai (DPhil)**

Simiso Ntuli is a senior lecturer and Head of Department for Podiatry in the Faculty of Health Sciences. He sits on numerous faculty committees and is the deputy chairperson of the Physiotherapy, Podiatry and Biokinetics board. Internationally, Simiso is a member of the International Academy of Podiatric Medical Educators and is also a Fellow of the Royal College of Physicians and Surgeons of Glasgow Faculty of Podiatric Medicine. He has published 10 articles in accredited journals.

A soccer boot is crucial for soccer players as it has the function to enhance performance as well as prevent injury. A secondary aim was to produce data applicable for clinical assessment and management of soccer related foot and lower limb injuries. Using 3D analysis, discomfort reported by players indicated that the boots used by professional and university soccer players were unsuitable for their foot morphology. Whilst the availability of a 3D designed soccer boot is out of the reach for most players in South Africa, understanding the data and knowledge of foot morphology could assist players, coaches, and clinicians in selecting soccer boots that best fit the players' foot type. The study was acknowledged by examiners as being novel and much needed within the South African context. The major contribution to the field was to the problematic issues of athletic footwear, specifically soccer boots within the South African context.

**Supervisor:** Prof HF Morris-Eyton

**Co-supervisor:** Dr AC Green

## **Richter, Susarah Maria (DPhil)**

Maria Susarah Richter, mother to a daughter and foster mother of two small children, qualified as an optometrist at the Rand Afrikaans University (RAU) in 1991. She obtained a Master's degree in Optometry (2000) at RAU and a Master's degree in Commerce in 2005 at UJ. She started as a part-time lecturer at RAU in 1992 and was appointed in 1994 and promoted to senior lecturer, specialising in paediatric optometry, lecturing nationally and internationally on this subject. She was Head of Department of Optometry in 2005 to 2008 and was seconded to the Faculty of Health Sciences as Head of Faculty Administration during 2009 and 2010.

The COVID-19 pandemic highlighted the importance of proper hand hygiene in healthcare, specifically Optometry, where no similar studies have been performed. Data were collected before and during the COVID-19 pandemic from the respective third- and fourth-year classes. This included data on hand hygiene knowledge, attitudes and perceptions of the participants, as well as observations of hygiene practices during patient examinations. Microbial analysis was performed on collected surface and hand samples. As expected, there was a statistically significant change in the use of alcohol-based hand rub during COVID-19. Additionally, participants felt the need that patients and fellow students/colleagues know that proper hand hygiene was performed. Observations showed that there was confusion as to when hand hygiene should be performed during patient examinations, which resulted in the creation of the 3-Step-Hand-Hygiene-Model for Optometry. This model is

easy to use and can be applied for routine infection prevention control or student hygiene training.

**Supervisor:** Prof TG Barnard

## **Chizenga, Elvin Peter (PhD)**

Elvin Peter Chizenga was born in Blantyre, Malawi, in 1991. He started primary school in 1997 and completed the Malawi School Certificate of Education at Chichiri Secondary School in 2008. He did his Diploma in Biomedical Sciences at Malamulo College of Health Sciences where he graduated as the best performing student in his class, in 2012. After working for a few years, he enrolled at the University of Johannesburg in 2016, for a BTech in Biomedical Technology and graduated with distinction. He proceeded with his Master's degree in Biomedical Technology at the Laser Research Centre, which he graduated *cum laude*, and was awarded the Vice-Chancellor's gold medal for the most meritorious master's study of the year 2018. In 2019, he was appointed as Assistant Lecturer by the Department of Biomedical Sciences and started his PhD in the same year. He currently has six publications in accredited international journals.

The research project, titled 'Biosynthesis and analysis of a nano-immuno-phthalocyanine compound for use in photodynamic therapy (PDT) of human papillomavirus-transformed cervical cancer cells' was designed on the idea of enhancing the efficacy of PDT, a laser-based therapy that destroys cancer cells without causing significant side effects. In his research, he chemically synthesised a multifunctional photosensitising molecule, which he used *in vitro*, on HPV-transformed human cell lines. This compound was designed specifically to target cancer cells that express the anti-E6 oncoproteins due to HPV transformation. The ability of this novel compound to destroy not only mature

cancer cells but also the resistant cancer stem-cell population, selectively, leaving normal cells unharmed, was evident. This research sets the groundwork for more groundbreaking drug delivery approaches to maximise cancer cell removal without harming normal tissue. This study produced four journal publications, two conference papers, and presentations at local and international conferences.

**Supervisor:** Prof Heidi Abrahamse



## **Lewis, Shantel (PhD)**

Shantel Lewis obtained her National Diploma in Diagnostic Radiography in 1998 and a BTech in Diagnostic Radiography from Natal Technikon in 2007. In 2014, she received an MBA and, in 2018, an MTech in Radiography from the University of Johannesburg. She worked as a diagnostic radiographer from 1999 to 2013, after which she joined the UJ Department of Medical Imaging and Radiation Sciences as a clinical facilitator and in 2018 as a lecturer. The doctoral research findings have been shared through five articles, one book chapter and at an international conference.

In South Africa, there is evidence of diagnostic radiographers' suboptimal radiation protection practices, but the reasons for these practices and suggestions to improve practices were lacking. Therefore, this study explored radiation protection among South African diagnostic radiographers to develop a model to facilitate radiation protection among radiographers by using Chinn and Kramer's four steps of theory generation. Step one was an explanatory, sequential, mixed-method approach framed by the theory of planned behaviour within the pragmatic paradigm and was based on an organisational development inquiry. Online questionnaires, individual interviews and focus groups co-constructing change ideas provided the central concepts for model development. The study contributed to understanding South African radiographers' radiation protection practices and offered suggestions for implementing and optimising radiation protection.

**Supervisor:** Prof C Downing

**Co-supervisor:** Dr CM Hayre

## **Mokoena, Dimakatso Ribone (PhD)**

Dimakatso Ribone Mokoena was born in Benoni, Johannesburg, South Africa, in 1990. She went to Hulwazi Secondary School and completed her matric in 2008. She obtained her National Diploma in Biomedical Technology and BTech in Biomedical Technology in 2011 and 2015, respectively, from the University of Johannesburg. She completed her Master's degree (*cum laude*) at the Laser Research Centre, Faculty of Health Sciences, UJ, in 2018, and continued with her PhD in Health Sciences (Biomedical Science) in 2019. She has published several international peer-reviewed journals articles.

The candidate's doctoral research project, titled 'Effects of Cannabidiol and Hypericin-Gold Nanoparticle Mediated Photodynamic therapy on Human Breast Cancer Cells' focused on the application of Phyto medicine, nanotechnology, and Photodynamic Therapy (PDT) on breast cancer cells. This study aimed to induce breast cancer cell death through a novel combination therapy of CBD and Hypericin-mediated PDT. This was achieved by determining the optimum concentration of CBD as a chemotherapeutic agent and assessing the effect of PDT using a Nano conjugate. The optimum concentrations were then used in combination treatment. The outcome of this investigation has provided insights into the application of CBD and PDT in breast cancer treatment, using natural compounds, to induce cancer cell death *in vitro*. These findings form the foundation for the ultimate mitigation of breast cancer resistance, recurrence, and mortalities, which remain the end goal. This research confirms that *in vitro* phototoxic treatment

of breast cancer cells is effective and a promising approach towards finding solutions for cancer therapy. The current research produced three journal publications, one book chapter and one conference proceeding.

**Supervisor:** Prof H Abrahamse

**Co-supervisor:** Prof B George

## **Ribeiro, Radmila Krunica (DHSc)**

Radmila Ribeiro (née Razlog) is a registered homeopathic practitioner and Councillor for Homeopathy with the Allied Health Professions Council of South Africa. She completed her master's degree in homeopathy *cum laude* in 2000 and received the Technikon Witwatersrand Outstanding Achievement Award. She was the recipient of the TWR Vice-Chancellor's Special Research Award, holds a qualification in Business Management Development, and has recently been awarded honorary affiliation with the African Centre of Chinese Medicine and Acupuncture.

On completion of her master's, Radmila was employed by TWR, where she commenced her employment as a junior lecturer, then senior lecturer, and held the position of Head of Department of Complementary Medicine from 2006 to 2022, with the University of Johannesburg. She has supervised/co-supervised over 85 master's studies and examined more than 100 master's dissertations. Her doctoral research has generated one international publication and one further manuscript submission, culminating in 12 accredited manuscripts over the past 10 years.

The candidate's research investigated the effect of photodynamic therapy (PDT) and cannabidiol (CBD), a metabolite abundantly produced in the *Cannabis sativa* plant, on the survival of HeLa (cervical cancer) cells. The findings presented sufficient evidence to assess the *in vitro* induced cell death pathway and efficiency of PDT ZnPcS<sub>4</sub> photosensitizer and

CBD on cultured cells, proposing that this combined treatment approach could allow for primary tumour obliteration and beneficially induce negligible effects on normal cells, and so requires further *in vivo* analysis.

**Supervisor:** Dr CA Kruger

**Co-supervisor:** Prof H Abrahamse

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## National Anthem of South Africa

Nkosi sikelel' 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 Afrika - South Afrika.

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.