



RHODES UNIVERSITY
IYUNIVESITHI IRHODES
RHODES UNIVERSITEIT

————— 2021 —————

VIRTUAL GRADUATION CEREMONY
UTHWESO-ZIDANGA KUMAJELA EZOBUCHWEPHESHE
VIRTUELE GRADEPLEGTIGHEID
28-30 APRIL
in absentia
FACULTY OF SCIENCE
IFAKHALTHI YEZENZULULWAZI
FAKULTEIT WETENSKAPPE

CHANCELLOR • INGQONYELA • KANSELIER
The Hon Justice L Mpati, BA, LLB, LLD (*Honoris causa*)

VICE-CHANCELLOR • ISEKELA-NGQONYELA • VISE-KANSELIER
Dr SG Mabizela, MSc, PhD

DEPUTY VICE-CHANCELLOR (ACADEMIC AND STUDENT AFFAIRS)
UMNCEDISI WESEKELANGQONYELA (IMICIMBI YEMFUNDO NEYABAFUNDI)
ADJUNK VISE-KANSELIER (AKADEMIESE EN STUDENTE SAKE)
Dr M Monnapula-Mapesela, BSc.Ed, BEd, MEd, PGDip, PhD

DEPUTY VICE-CHANCELLOR (RESEARCH AND INNOVATION)
UMNCEDISI WESEKELANGQONYELA (USEKELA-NQUNUNU WEYUNIVESITHI
KWEZOPHANDO NOPHUHLISO)
ADJUNK VISE-KANSELIER (NAVORSING EN INNOVASIE)
Dr PG Clayton, BSc (Hons), MSc, PhD, FICS, MCSSA, MACM

CHAIRPERSON OF COUNCIL • USIHLALO WEBHUNGA • VOORSITTER VAN DIE RAAD
Judge G Bloem, BA, STD, LLB

PRESIDENT OF CONVOCATION • UMONGAMELI WENTLANGANO YEYUNIVESITHI
PRESIDENT VAN DIE KONVOKASIE
Professor Emeritus PT Mtuze, BA, MA, MTh, PhD ,DTh

DEANS • IINTLOKO ZEEFAKHALTHI • DEKANE

Professor E Msindo, BA, MPhil, PhD	Dean of the Faculty of Humanities
Professor AJ Booth, BSc (Hons), PhD	Dean of the Faculty of Science
Professor LO Juma, LLB, Dip.Law, LLM, MA, LLD	Dean of the Faculty of Law
Professor PD Wilmot, BA, HDE, BEd, MEd, PhD	Dean of the Faculty of Education
Professor DA Sewry, BSc, BSc (Hons) MSc, PhD, FICSIT, MIITPSA, MAIS	Dean of the Faculty of Commerce
Professor SMM Khamanga, BSc, BPharm, MSc (Pharm), PhD	Dean of the Faculty of Pharmacy

REGISTRAR • UMGCINI-ZINGXELO ZEYUNIVESITHI • REGISTRATEUR
Professor AL Moody, BA, HDE, BEd, MEd, MBA, DEd

ORDER OF PROCEEDINGS

Faculty of Science

(virtual graduation ceremony)

The Chancellor will constitute the Congregation.

The Vice-Chancellor will welcome the Congregation.

The Chancellor will confer degrees *in absentia*.

Honorary Doctorate **Professor Berhanu Abegaz Molla**
Degree of Doctor of Laws, *Honoris Causa*.

Vice-Chancellor's Distinguished Senior Research Award.
Professor Özlem Tastan Bishop

The National Anthem.

The Chancellor will dissolve the Congregation.

INKQUBO

IFakhalthi yezeNzululwazi

(Uthweso-zidanga kumajelo ezobuchwepheshe)

UNgqonyela umisela iNgqungquthela.

USEkelangqonyela wamkela iNgqungquthela.

UNgqonyela unikezela ngezidanga kubaninizo *abangekhoyo* phambi kwakhe.

UNjng. Berhanu Abegaz Molla uwongwa ngesiDanga sobuGqirhalwazi sembeko kwezoMthetho, *Honoris Causa*.

IMbasa yeSekela-Ngqonyela
yoGqwesileyo nosele enamava kwezoPhando.

UNjng. Özlem Tastan Bishop

UMhobe weSizwe.

UNgqonyela uvala iNgqungquthela.

VOLGORDE VAN VERRIGTINGE

Fakulteit Wetenskappe

(virtuele gradeplegtigheid)

Die Kanselier sal die vergadering tot orde roep.

Die Vise-Kanselier sal die vergadering verwelkom.

Die Kanselier sal grade *in absentia* toeken.

Eredoktoraat **Professor Berhanu Abegaz Molla**
Doktorsgraad in die Regte, *Honoris Causa*.

Vise-Kanselier se Senior Uitnemende Navorsingstoekening.
Professor Özlem Tastan Bishop

Die Volkslied.

Die Kanselier sal die vergadering verdaag.

FACULTY OF SCIENCE

DEGREE OF BACHELOR OF SCIENCE

AMOS, Cameron Laurence, **with distinction in** Zoology
ANDERSON, Amy Sage, **with distinctions in** Biochemistry **and**
Microbiology
BASOPO, Francisca Rudo Ntandoyenkosi, **with distinction in**
Information Systems
BENDEMAN, Justin John
BENISE, Emihle
BERG, Pearla Marie, **with distinctions in** Botany **and** Zoology
BESSINGER, Rochelle, **with distinctions in** Microbiology
and Zoology
BINDER, Savannah Rayn, **with distinction in** Microbiology
BOBY, Alden Zachary, **with distinction in** Computer Science
BOKHE, Witness Ndundi
BURGESS, Kristen Paige, **with distinctions in** Biochemistry
and Chemistry
CHANSA, Makungu Mbobola
CHILUNDO, Tawonga, **with distinctions in** Biochemistry
and Microbiology
DAVIES, Michaela Roxanne, **with distinction in** Microbiology
DLAMINI, Faith Kwanele
DU TOIT, Aiden Pierre
DUCRAY, Genevieve Therese, **with distinction in** English Language
& Linguistics
DYIRA, Buntu, **with distinctions in** Biochemistry **and** Microbiology
ELLENBERGER, Keagan Justin
FIORENTINOS, Georgina Bianca
FITHI, Lola Kuhle
FLANAGAN, Catherine Laurie
GAILEY, Storm Amber
GCILITSHANA, Sihle
GIBSON, James Daniel
GOMOMO, Lwando
GOODES, Emma Lee, **with distinction in** Zoology

GOODES, Sara Mae, **with distinction in** Information Systems
GROBBELAAR, Eduan, **with distinction in** Ichthyology
GUMBI, Sphephelo Trevor
HABANA, Athenkosi
HADEBE, Phiwokuhle
HAMBILE, Sinikiwe
HARJIVAN CHOUHAN, Minali, **with distinction in** Information
Systems
HARRIS, Alexander Carey
HERR, Julian
HLABANGWANE, Kamogelo Sharlyn
HOEFNAGELS, Nikki Hannah, **with distinctions in** Geography
and Human Kinetics & Ergonomics
HOFMEYR, Blaize Murray, **with distinctions in** Geography
and Human Kinetics & Ergonomics
JAKO, Abongile
JARAVANI, Tinashe Bradley
JERE, Flyness Wendy
JOKAZI, Nolubabalo Sibongiseni Nosibusiso
KAEKAE, Gomolemo Goodness
KEKANA, Vanessa Letwin Sengwe
KHOZA, Tandza
KHUMALO, Mholi
KIMA, Epeh Mbouh, **with distinction in** Environmental Science
KOMANE, Ofentse Shadi, **with distinction in** Human Kinetics &
Ergonomics
KONDIC, David Savo Prata, **with distinctions in** Computer Science
and Information Systems
KUHAMBA, Zama
KUHLANE, Luxolo, **with distinction in** Information Systems
LAHOUD, Tamlyn Ann, **with distinction in** Human Kinetics &
Ergonomics
LE ROUX, Natalie Anne, **with distinction in** Ichthyology
LEBETLA, Maneo Crecentia
LEOMA, Mofeli Benedict
LETETE, Kananelo Priscilla
LUSHABA, Sthabile Nature

MABUNDA, Makungu
MACHENGWANA, Chelewane Ezekiel
MADLAVU, Wongiwe Phumelela
MADWANTSI, Khayakazi
MAGAMA, Sandiswa Azini, **with distinction in** Information Systems
MAHABIR, Shristi, **with distinction in** Biochemistry
MAIFADI, Reabetswe Letlotlo
MAKHUZA, Tafadzwa Lainah, **with distinctions in** Environmental
Science **and** Geography
MAKHWABE, Khanya Monalisa
MAKONI, Makatendeka Susanna, **with distinction in** Instrumental
Music Studies
MALIKHETLA, Mantone Celina, **with distinction in** Biochemistry
MAPHETO, Selaelo Regina Angel
MAQUNGO, Iva
MARABA, Kamogelo
MARAIS, Alice-Jane, **with distinctions in** Botany **and** Entomology
MARAKABEI, Senate Sharon, **with distinction in** Geology
MAREE, Gemma May
MARRINER, Paul Joseph
MASHAMBA, Pamela Tsakane
MATAI, Kirishka
MATOLENGWE, Siyanda Limumba
MATSHAYA, Aphelele, **with distinction in** Applied Mathematics
MBILI, Obonabulumko
MC NEILL, Iona Sarah
MCOPELE, Ayavuya
MDI, Siphesihle
MENEAR, Matthew
MHATU, Fika
MICHAELS, Arryn Lindley, **with distinctions in** Biochemistry
and Microbiology
MKRWEQANA, Ikhona
MLANGENI, Abraham Dumisani
MNGXUMA, Sinawo
MOFAMMERE, Thato Constance
MOGOBA, Meetseashele Selina

MOKOMANE, Tlotliso
MOLAPO, Koketso
MOLOBE, Tshegofatso Magnificent
MONAMATE, Mdumiseni Duane
MONDI, Lilodwa
MONDILE, Queenie, **with distinction in** Biochemistry
MOODLEY, Jade
MORODI, Katlego Itumeleng
MPANGEVA, Songezo
MPEPO, Ntombizodwa
MQAMBALALA, Avela
MTSHINTSHO, Anda
MUNIAN, Kalin, **with distinction in** Biochemistry
MUSEKIWA, Tadiwa Lesley
NCHEE, Moliehi Evodia
NEL, Stephanie Elizabeth, **with distinction in** Psychology
NOBANGELA, Iviwe
NTSIENI, Ronewa Hellen, **with distinction in** Biochemistry
NTSOYI, Nomaphelo Ntombikayise, **with distinction in** Biochemistry
NYAKALE, Gontse Khumo Marcelino
OBIEKWE, Nathan Chukwudi
PEARCE, Caitlin Georgia Mclennan
PETER, Siseko
PITCHER, Tristan River
PITTOYI, Asiphe
POSWA, Siphosethu Luthando
POSWAYO, Buhlebenkosi Onesimo
PRICE-SMITH, Colin John, **with distinction in** Geology
PRINCE, Joanne, **with distinction in** Environmental Science
QOBOLO, Ntaoleng Caroline
RADEBE, Nokukhanya Lucy, **with distinction in** Biochemistry
RANYAOA, Tsholofelo Nyeleti
RATSHANA, Msingisi
REDDY, Reval
RENEWICK, Christopher George
REYNOLDS, Liam Macleod
RISABA, Nhlamazi Vumbiwa

ROBERTSON, Jessica Lauren
SABA, Mpho Makhuvha, **with distinction in** Information Systems
SCHILD, Jonah Pier Daniel
SEABELA, Shatadi
SEARLE, Liam Steven, **with distinction in** Information Systems
SHAHZAD, Swaleha
SHIVUTE, Kuku Niilya Ruusa
SHUKOR, Ethan, **with distinction in** Biochemistry
SHUMBA, Tawanda
SIBALI, Athi
SIKHAKHANE, Anele Gcina
SMIT, Christie Jane, **with distinctions in** Biochemistry
and Microbiology
SMIT, Dane Malcolm Ronald
SOBOPHA, Siyabonga
SOLOMONS, Gabriella Malaika
STANBURY, Savannah Mae
STUURMAN, Litha Linomtha, **with distinction in** Information
Systems
TAUYAKHALE, Kaisano Goodness
TEMBO, Praise, **with distinctions in** Biochemistry **and** Chemistry
THOLANAH, Rodney Simbarashe, **with distinction in** Information
Systems
TOKOTA, Nceba
TSHILINGA, Luvhengo Rudolph
TUTWANE, Vuyani
TWANI, Sposethu
VALENTINE, Keenan
VAN HEERDEN, Bradley Garth
VAN SON, Emiel Johannes Henricus
VAN WYK, Jasmine Jozett
VELE, Hulisani
VELTMAN, Aart, **with distinction in** Microbiology
VON FINTEL, Abigail Helene
WILKINSON, Luke James
WRIGHT, Liam Jordan
XOKI, Yibanathi

ZAHN, Markus, **with distinctions in** Human Kinetics & Ergonomics
and Zoology
ZIMUWANDEI, Tutsirayi, **with distinctions in** Biochemistry
and Chemistry

DEGREE OF BACHELOR OF SCIENCE
(Information Systems)

DAUANE, Ana Rita, **with distinction in** Information Systems
KANGOMBA, Bashir
LETEBA, Tsepo Clement
LUBBE, Keegan Anthony
MPOFU, Tanatsa Bertha
PURDON, Adam Douglas Thomas, **with distinction in** Information
Systems

DEGREE OF BACHELOR OF SCIENCE WITH HONOURS

ABDULRAHIM, Fathima Zahra, in Environmental Science
ALLISON, Caitlin, in Ichthyology & Fisheries Science, **with
distinction**
ANDERSON, Robyn Jane, in Biochemistry, **with distinction**
ARNOLDI, Marco, in Environmental Science
BALMER, Natasha Louise, in Zoology, **with distinction**
BENJAMIN, Jonathan, in Environmental Science, **with
distinction**
BISSESAR, Sivesha, in Information Systems
BUWA, Lubabalo, in Computer Science
CAMPBELL, Kaylee Maria, in Marine Biology
CARKEEK, Richard Hilton, in Botany/Zoology
CHAVALALA, Ridge Nhlamulo, in Chemistry
CHIYUMBA, Choonzo Nachoobe, in Chemistry, **with distinction**
CLARK, Darryl Malcolm, in Human Kinetics & Ergonomics, **with
distinction**
COLLETT, Alexandra, in Environmental Science
DAKIE, Regina Nokufa, in Environmental Water Management
DAMBUZA, Khalipha, in Entomology

DESAI, Ammaarah, in Computer Science, **with distinction**
 DINISO, Siphesihle, in Economics
 DREYER, Nicola Bondi, in Zoology
 DU PREEZ, Aidan Matthew, in Ichthyology & Fisheries Science, **with distinction**
 EVANS, Nicola May, in Geography
 FARQUHARSON, Rebecca Frances, in Environmental Science, **with distinction**
 FIHLANI, Anelisiwe, in Economics
 GOVENDER, Myren, in Applied Mathematics
 GWILLIAM, Teri Hazel, in Human Kinetics & Ergonomics, **with distinction**
 HIESTERMANN, Neil Andrew, in Ichthyology & Fisheries Science
 HJUL, Karl Iver Hansen, in Physics
 HOBO, Mawande, in Information Systems
 IKWEN, Emmanuella Biye, in Geology, **with distinction**
 JACKSON, Emily Anne, in Zoology
 JACKSON, Gabriella Teresa, in Microbiology
 JALI, Mkululi, in Biotechnology
 JAMES, Jacqui Anne Susan, in Botany, **with distinction**
 JAMES, Lauren May Colleen, in Botany, **with distinction**
 JOHNSTONE, Shawn Douglas, in Geology
 KUMALO, Mthawethemba, in Information Systems
 LEDWABA, Mahlatse Mokgaetjie, in Chemistry
 LEHABE, Karabo Petrus, in Chemistry
 LEWIS, Matthew David, in Computer Science, **with distinction**
 LIDZHADE, Ipfi, in Computer Science
 LUBBE, Alicea, in Marine Biology
 MABALEKA, Lutholwethu, in Ichthyology & Fisheries Science
 MABOHLO, Sakikhaya, in Environmental Water Management
 MAGAELA, Ngwanabjala Bridged, in Chemistry
 MAGWAZA, Temlandvo Matshidiso, in Chemistry
 MAKELENI, Vuyelwa, in Biochemistry
 MAKOMBE, Kimberley Ruvimbo Esnath, in Geography
 MAKRWANANA, Lusanda, in Mathematical Statistics/Mathematics
 MAKWARELA, Zwikhodo Precious, in Economics
 MANTSHIYOSE, Abenathi, in Environmental Science

MASOKA, Bonolo, in Human Kinetics & Ergonomics, **with distinction**

MATLAPENG, Tsebang Alice, in Chemistry

MATSHIPA, Shamain, in Economics

MAYER, Ludovic Philip Gaetan, in Entomology

MAZIOFA, Michelle Rumbidzai, in Environmental Science

MBUYISA, Yenziwe Ngenzeni, in Environmental Science

MC NEILL, Rory Liam, in Ichthyology & Fisheries Science

MCMICHAEL, Nicholas Andrew, in Computer Science

MDIKWA, Ezile, in Human Kinetics & Ergonomics

MDINISWA, Teboho, in Microbiology

MEIKLEJOHN, Andrew Keith, in Ichthyology & Fisheries Science

MLOTSHWA, Nonhle Thubelihle, in Ichthyology & Fisheries Science

MNGWENGWE, Bongeka Naledi Precious, in Chemistry

MONYEMANGENE, Mautla Tumelo, in Information Systems

MOPHAHLANE, Koketso Vincent, in Mathematics/Physics

MOTAUNG, Mojahi, in Chemistry

MPHATSOE, Rethabile Naledi, in Economics

MQWATHI, Nomxolisi Vuyokazi, in Biochemistry

MSUTU, Tumelo, in Chemistry

MTATI, Avuyile, in Environmental Science

MTHEMBU, Joregina, in Information Systems

MURIITHI, Gibson Munene, in Computer Science

NABANI, Xolani Prince, in Ichthyology & Fisheries Science

NAIDOO, Urisha Tirah, in Microbiology, **with distinction**

NCANYWA, Sibusiso, in Music & Musicology, **with distinction**

NDLOVU, Knowledge Siyabonga, in Chemistry

NEROMBE, Ephraim, in Chemistry

NGWADLA, Thandolwethu, in Biotechnology, **with distinction**

NGWANE, Jabulani, in Geology

NJIVA, Yanga Athi, in Environmental Water Management

NOGQALA, Simnikiwe, in Chemistry

NTENDA, Avuzwa, in Geology, **with distinction**

OYETUNJI, Nicole Armlade, in Applied Mathematics

PAWANDIWA, Tapiwa Zvadaishé Mutsa, in Information Systems

PUTZIER, Rachel Rayne, in Environmental Science, **with distinction**

RICHARDSON, Perryn Heather, in Entomology, **with distinction**
RIKHOTSO, Hlawulekani, in Chemistry
RULUMENI, Linda, in Environmental Science
SIGODI, Yamkela, in Human Kinetics & Ergonomics
SIYENGO, Kwanele, in Environmental Science
STARBUCK, Megan, in Microbiology
STEUNENBERG, Keith, in Botany, **with distinction**
SWIFT, Matthew, in Geology
THEKISO, Nicolas, in Mathematical Statistics, **with distinction**
TSELE, Tumakgole, in Microbiology
TSHABALALA, Thulani, in Computer Science
TSHIQI, Thandisile Naledi, in Information Systems
TYHALI, Akhona, in Chemistry
VANQA, Kamvalethu, in Applied Mathematics/Mathematics, **with distinction**
WAGENAAR, Emma Kate, in Psychology, **with distinction**
WATSON, Jessica Lois, in Microbiology, **with distinction**
WEBB, Caitlin Jeanne, in Zoology
WEBSTER, Simon David, in Economics, **with distinction**
YAWA, Zizipho, in Biotechnology
YELL, Liam Dougal, in Zoology
YOSE, Papama, in Environmental Science
YU, Jialin, in Biotechnology, **with distinction**
ZENDA, Peacemaker Runyararorwashe, in Mathematical Statistics
ZITHA, Andile Bheki, in Chemistry
ZOYA, Sesona, in Chemistry
ZUMANI, Vuyolwethu, in Mathematical Statistics, **with distinction**

DEGREE OF MASTER OF SCIENCE

BEUKES, Dirk Johannes, Cert. (Cyber Security) (UJ), in Computer Science, in the Department of Computer Science. Degree by thesis. Thesis: Evaluating the Cyber Security skills gap relating to penetration testing. Supervisor: Professor BVW Irwin.

CAMPBELL, Belinda Claire, BAHons (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: The physical activity levels and preferences of South African breast cancer survivors: a pilot study. Supervisor: Professor CJ Christie.

CARD, Jason, BAHons (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: An ergonomics approach to exploring perceptions around challenges to the delivery of high quality care: a case study of clinics in the Sarah Baartman District. Supervisor: Dr JP Davy. Co-supervisor: Mr AI Todd.

CARSTENS, Duane, BComHons (UCT), in Computer Science, in the Department of Computer Science. Degree by coursework and thesis. Thesis: An exploratory investigation into an integrated vulnerability and patch management framework. Supervisor: Dr YM Motara.

CHARLES, Ntsikelelo, BScHons (Rhodes), in Physics, **with distinction**, in the Department of Physics with Electronics. Degree by thesis. Thesis: Observing cosmic re-ionisation with the Hydrogen Epoch of Reionization Array: simulations of closure phase spectra. Supervisor: Professor OM Smirnov. Co-supervisors: Professor G Bernardi (Bologna) and Dr L Bester (SARAO).

DAMES, Vivienne Abigail, BScHons (Rhodes), in Ichthyology, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: The effect of habitat and spatial management on reef fish assemblages in an established marine protected area. Supervisor: Dr A Bernard (SAIAB). Co-supervisors: Dr C Floras (SAAMBR) and Dr S Porter.

DOMINY, Tayla Rhiannon, BScHons (Rhodes), in Geography, **with distinction**, in the Department of Geography. Degree by thesis. Thesis: Geospatial Analysis on the effect of environmental variables on the space use patterns of four marine predators occurring in Algoa Bay,

Eastern Cape, South Africa. Supervisor: Professor I Meiklejohn. Co-supervisor: Dr T Murray (SAIAB).

DYAN, Siyasanga, BScHons (NMU), in Geology, in the Department of Geology. Degree by thesis. Thesis: Constraining the role of carbonate assimilation on spinel stability in Bushveld ores. Supervisor: Professor SA Prevec.

GOWO, Prudence, BScHons (UFH), in Bioinformatics, **with distinction**, in the Department of Biochemistry & Microbiology. Degree by coursework and thesis. Thesis: *In silico* identification of selective novel hits against the active site of wild type *Mycobacterium tuberculosis* pyrazinamidase and its mutants. Supervisor: Professor O Tastan Bishop.

IITA, Petrus Paulus, BScHons (UNAM), in Microbiology, **with distinction**, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Selection for improved virulence of *Cryptophlebia peltastica* nucleopolyhedrovirus (CrpeNPV) to False Codling Moth, *Thaumatotibia leucotreta*, by serial passage through a heterologous host. Supervisor: Professor CM Knox. Co-supervisors: Distinguished Professor MP Hill and Dr S Moore (CRI).

KADE, Andrea Gaby, BAHons (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: Physical activity, physical fitness and sedentary behaviour profiles of primary school children in a school within the Makana Municipality, Eastern Cape, South Africa. Supervisor: Professor CJ Christie.

LEN, Robert, BCom (Informatics) (Unisa), in Computer Science, in the Department of Computer Science. Degree by coursework and thesis. Thesis: An investigation into the current state of web based cryptominers and cryptojacking. Supervisor: Professor BVW Irwin.

MACHUBENG, Karabo Pebane, BScHons (NWU), in Physics, **with distinction**, in the Department of Physics with Electronics. Degree by

thesis. Thesis: Night-time gravity waves detected with multi-frequency airglow imager. Supervisor: Dr Z Katamzi-Joseph. Co-supervisor: Professor M Kosch.

MAGEZA, Rhulani Donney, BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Synthesis, spectroscopic and nonlinear optical properties of asymmetric A3B type Phthalocyanine complexes. Supervisor: Professor MS Khene. Co-supervisor: Dr J Britton.

MAKOLA, Lekgowa Collen, BScHons (Limpopo), in Chemistry, **with distinction**, in the Department of Chemistry. Degree by thesis. Thesis: Photodynamic antimicrobial chemotherapy against *Staphylococcus aureus* and *Escherichia coli* sensitized using indium (III) cationic porphyrins linked to core-shell magnetic nanoparticles. Supervisor: Distinguished Professor T Nyokong.

MANNHEIM, Samantha Lynn, BScHons (Rhodes), in Fisheries Science, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Towards the development of a pro-environmental strategy for improving catch-and-release behaviour in recreational fisheries – a case study on a competitive South African angling body. Supervisor: Professor WM Potts. Co-supervisor: Dr A-R Childs.

MATHEBULA, Surprise, BScHons (Rhodes), in Fisheries Science, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Does the Transkei population of *Haliotis Midae* at the eastern edge of its distributional range have a higher thermal tolerance than those in more temperate waters? Supervisor: Professor PJ Britz.

MHLONGO, Edward Swazi, BEHERM (UNIVEN), in Environmental Science, **with distinction**, in the Department of Environmental Science. Degree by thesis. Thesis: Perceptions of the role of Lantana camara on human well-being and rural livelihoods in Vhembe Biosphere Reserve, South Africa. Supervisor: Dr S Ruwanza. Co-supervisor: Dr T Dalu.

MIKHARI, Rito, BScHons (Rhodes), in Microbiology, **with distinction**, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Characterization of the diversity and metabolic potential of hypolithic communities in Dronning Maudland, Western Antarctica. Supervisor: Dr GF Matcher.

MOSTERT, Philip Stanley, BScHons (Rhodes), in Mathematical Statistics, **with distinction**, in the Department of Statistics. Degree by thesis. Thesis: Bayesian accelerated life tests for the Weibull distribution under non-informative priors. Supervisor: Mr S Izally.

MUSHORE, Tapiwa Gift, BScHons (Zimbabwe), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Biology, ecology and management of the keurboom moth, *L. venus* Cramer and the leafhopper *Molopopterus* sp. Jacobi in cultivated Honeybush (*Cyclopia* spp.). Supervisor: Distinguished Professor MP Hill. Co-supervisor: Dr C Coombes.

NDAGANO, Urbain Nshokano, BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. The study of the catalysis of the Diels Alder and aldol condensation reactions. Supervisor: Professor R Klein.

NDLELA, Sibusisiwe, BEcHons (Rhodes), in Geology, in the Department of Geology. Degree by thesis. Thesis: High-resolution geological, petrological and geochemical investigation of the 3.33 Ga mid-lower Kromberg type-section, Barberton greenstone belt, South Africa. Supervisor: Dr E Grosch.

NKAKI, Thabo Mapulangu, BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Nonlinear optical studies of copper, cobalt and nickel Phthalocyanine complexes non-peripherally substituted with (4-(Methylthio) Phenylthio) Group. Supervisor: Professor MS Khene.

RAS, Harnaud, BScHons (UFS), in Bioinformatics, in the Department of Biochemistry & Microbiology. Degree by coursework and thesis.

Thesis: Inhibitor search and variant analysis of Acetylcholinesterase.
Supervisor: Professor O Tastan Bishop.

RUSSEAWON, Cyndie, BScHons (Mauritius), in Physics, in the Department of Physics and Electronics. Degree by thesis. Thesis: Parametrised gains for direction-dependent calibration. Supervisor: Professor OM Smirnov. Co-supervisors: Dr L Bester (SARAO) and Dr JS Kenyon.

SICWETSHA, Simbongile, BScHons (Rhodes), in Chemistry, **with distinction**, in the Department of Chemistry. Degree by thesis. Thesis: Enzymatic properties of anisotropic copper oxide nanorods decorated with gold and palladium nanoparticles. Supervisor: Professor PN Mashazi.

SOTSHONGAYE, Oko, BScHons (WSU), in Marine Biology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Larval fish dynamics within the coastal nearshore of the Eastern Cape, South Africa. Supervisor: Dr P Patrick (SAEON). Co-supervisor: Dr F Porri (SAIAB).

TAYLOR, David Graham, BScHons (Rhodes), in Entomology, **with distinction**, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Improvement of baculovirus – based management options for *Thaumatotibia leucotreta* Meyr. (Lepidoptera: Tortricidae) by exploiting synergistic relationships among different baculoviruses. Supervisor: Distinguished Professor MP Hill. Co-supervisors: Professor CM Knox and Dr S Moore (CRI).

THABEDE, Jahman Thabo, BScHons (Rhodes), in Microbiology, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Alternative approach to controlling citrus black spot. Supervisor: Professor JF Dames.

TRUTER, Anja, Nat Dip (Game Ranch Management) (NMMU), BTech (Game Range Management) (NMU), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: The

reproductive performance, demography and spatial ecology of an extralimital white rhinoceros population. Supervisor: Professor DM Parker. Co-supervisor: Dr N Mgqatsa.

VAN DER WALT, Wouter, BScHons (Rhodes), in Geography, in the Department of Geography. Degree by thesis. Thesis: An assessment of the wild *Cyclopia subternata* (Vleitee) resource. Supervisor: Ms G McGregor.

VAN HUYSSSTEEN, Aiden, BScHons (Rhodes), in Geology, **with distinction**, in the Department of Geology. Degree by thesis. Thesis: Ilmenite megacryst-hosted melt inclusions from the Monastery kimberlite: Implications for kimberlite origins. Supervisor: Professor SH Büttner. Co-supervisor: Professor G Howarth.

VAN STADEN, Joshua Michael, BScHons (Rhodes), in Physics, in the Department of Physics with Electronics. Degree by thesis. Thesis: Accelerated implementations of the RIME for DDE calibration and source modelling. Supervisor: Professor OM Smirnov. Co-supervisors: Dr L Bester (SARAO) and Dr S Perkins (SARAO).

WANSELL, Sage Nora Lee, BScHons (Rhodes), in Botany, in the Department of Botany. Degree by thesis. Thesis: The invasion ecology of *Pontederia cordata* L. (Pontederiaceae) in South Africa. Supervisor: Professor JA Coetzee. Co-supervisor: Professor S Geerts.

WRIGHT, Jason Geoffrey, BScHons (Rhodes), in Fisheries Science, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: The effect of plant-derived dietary protein sources on cultured abalone *Haliotis midae* digestive physiology. Supervisor: Professor CLW Jones. Co-supervisor: Dr A Nel.

DEGREE OF DOCTOR OF PHILOSOPHY

AIGBEDION-ATALOR, Pascal Osabhahiemen, MPhil (Ghana), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Unravelling and ameliorating the impacts of *Tuta*

absoluta (Meyrick) invasion in eastern Africa: spread, socio-ecological impacts, and potential of a newly imported parasitoid for classical biological control. Supervisor: Distinguished Professor MP Hill. Co-supervisor: Dr M Samira.

AKAMAGWUNA, Frank Chukwuzoike, MSc (Rhodes), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Application of macroinvertebrate-based biomonitoring and stable isotopes for assessing the effects of land-use on river ecosystem structure and function in the Kat River, Eastern Cape Province, South Africa. Supervisor: Professor NB Richoux. Co-supervisor: Professor ON Odume.

AMUSENGERI, Arnold, MSc (Rhodes), in Bioinformatics, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Establishing computational approaches for the identification of allosteric modulators and elucidation of drug resistance mechanisms. Supervisor: Professor O Tastan Bishop.

BREYTENBACH, Izak Johannes, MSc (UP), in Geography, in the Department of Geography. Degree by thesis. Thesis: The effects of aspect, directional heating and depth on bedrock temperatures and the potential relationship with thermal fatigue weathering. Supervisor: Professor I Meiklejohn.

CHAKRABORTY, Abantika, MSc (Calcutta), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Role of Hop in HSF1 related stress response. Supervisor: Professor A Edkins.

EDWORTHY, Carla, MSc (Rhodes), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Coastal pH variability and the eco-physiological and behavioural response of a coastal fish species in light of future ocean acidification. Supervisor: Dr N James (SAIAB). Co-supervisor: Professor WM Potts.

FAROUNBI, Adebayo Ibikunle, BScHons (Lagos), MSc (Obafemi Awolowo), in Water Resource Science, in the Institute for Water Research. Degree by thesis. Thesis: Evaluation of endocrine-disrupting compounds in the rivers and municipal wastewaters of Eastern Cape Province, South Africa. Supervisor: Dr NP Ngqwala. Co-supervisor: Co-supervisor: Dr PK Mensah.

GWAPEDZA, David, BSocSciHons (Lupane State), in Hydrology, in the Institute for Water Research. Degree by thesis. Thesis: The further development, application and evaluation of a simple sediment yield model (WQSED) for catchment management in data-scarce African catchments. Supervisor: Professor DA Hughes. Co-supervisors: Dr AR Slaughter and Dr SK Mantel.

KABUYA, Pierre Mulamba, MTech (Hydrology) (Indian Institute of Technology Roorkee), PG Dip (Hydraulic Eng) (Hydraulic Research Institute, Delta), in Hydrology, in the Institute for Water Research. Degree by thesis. Thesis: Constraining hydrological model's uncertainty within a combined modelling approach accounting for channel-wetland exchanges in the Congo basin. Supervisor: Professor DA Hughes. Co-supervisors: Dr M Trigg and Dr R Tshimanga.

KAJEWOLE, Deborah Ifeoluwa, BSc (Obafemi Awolowo), MSc (Kent), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: An evaluation of the cytotoxic activities of novel artemisinin derivatives: towards targeted therapies for triple-negative breast cancers (TNBC). Supervisor: Professor A Edkins. Co-supervisors: Dr J de la Mare and Professor R Haines (NWU).

KALINSKI, Jarmo-Charles Julian, BSc (Christian-Albrechts Universitat zu Kiel), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Mapping the pyrroloiminoquinone diversity produced by latrunculid sponges using tandem mass spectrometry-driven molecular networking. Supervisor: Professor RA Dorrington. Co-supervisor: Professor R Krause.

KORI VEERANNA, Soumya, MSc (Karnataka), in Environmental Science, in the Department of Environmental Science. Degree by thesis. Thesis: Demography, harvesting and value chain analysis of gum-resin from *Boswellia serrata* Roxb: a cultural non-timber forest product in Karnataka, India. Supervisor: Professor C Shackleton. Co-supervisor: Dr S Setty.

MAFUKIDZE, Donovan Musizvinoda Chidyamurimi, MSc (UFH), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Evaluation of metallophthalocyanine functionalized photocatalytic polymer membranes for pollution control and antimicrobial activity. Supervisor: Distinguished Professor T Nyokong.

MANONA, Siyabulela Sobantu, BSocSci (Rhodes), BAHons (UFH), MPhil (Land and Agrarian Studies) (UWC), in Geography, in the Department of Geography. Degree by thesis. Thesis: The role of open government data in the repurposing of Land Administration in post-apartheid South Africa: An exploration. Supervisor: Professor T Kepe (Toronto).

MKABAYI, Lithalethu, MSc (Rhodes), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: An evaluation of synergistic interactions between feruloyl esterases and xylanases during the hydrolysis of various pre-treated agricultural residues. Supervisor: Professor BI Pletschke. Co-supervisor: Dr BS Wilhelmi.

MOLENAAR, Gijs Jan, MSc (Amsterdam), in Physics, in the Department of Physics with Electronics. Degree by thesis. Thesis: Design patterns and software techniques for large-scale, open and reproducible data reduction. Supervisor: Professor OM Smirnov.

MPETA, Lekhetho Simon, BSc (Lesotho), MSc (UJ), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Electrocatalytic response of metallophthalocyanines when clicked to electrodes and to nanomaterials. Supervisor: Distinguished Professor T Nyokong.

MURATA, Chenai, BAHons, M.Phil (UFH), in Environmental Science, in the Department of Environmental Science. Degree by thesis. Thesis: Indigenous knowledge of ecosystem services in rural communities of the Eastern Cape, South Africa. Supervisor: Professor AR Palmer. Co-supervisor: Professor G Thondhlana.

RYAN, Bennett, MSc (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: The application of human factors and ergonomics (HFE) to community-sport organisations in resource scarce contexts: a case study of grassroots football in Makana, Eastern Cape. Supervisor: Mr AI Todd. Co-supervisor: Professor CJ Christie.

SIBANDE, Rachel, MSc (Mzuzu), in Computer Science, in the Department of Computer Science. Degree by thesis. Thesis: Investigating the factors that influence use of ICTs for citizen participation in Malawi. Supervisor: Professor H Thinyane.

SUTTON, Guy Frederick, MSc (Rhodes), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Prioritisation of biological control agents for Giant Rat's Tail Grass. Supervisor: Professor I Paterson. Co-supervisor: Dr K Canavan.

SWART, Tarryn, MSc (Rhodes), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: A novel ARF GTPase assay for antimalarial drug discovery. Supervisor: Professor H Hoppe.

THORESEN, Mariska, MSc (Rhodes), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: The effect of various substrate pre-treatment methods on the enzymatic degradability of a *Eucalyptus* sp. – a potential feedstock for producing fermentable sugars. Supervisor: Professor BI Pletschke.

TSHISAPHUNGO, Mpho, MSc (Rhodes), in Physics, in the Department of Physics with Electronics. Degree by thesis. Thesis: The development of an ionospheric storm-time index for the South African

region. Supervisor: Dr L-A McKinnell (SANSA). Co-supervisor: Dr JB Habarulema (SANSA).

What is graduation?

Graduation is a time of enormous celebration for students and their families. It is a time to revel in a sense of achievement, to take photographs and store memories, to applaud and, of course, to dress up with the dignity that the ceremony deserves.

Graduating students traditionally wear an academic gown that marks them as ‘special’ and different to others attending the ceremonies. They walk across the stage, kneel before the Chancellor, who then taps them on the head with a ceremonial hat, before proceeding to the Registrar who ‘hoods’ them according to the degree they have earned.

For many attending the graduation ceremonies, a key question is what all this ceremony and procedure, much of which originated in Europe hundreds of years ago, actually mean in contemporary South Africa. One way to answer this question is to focus on the graduates themselves. As students walk across the stage today, they are not the same people they were who enrolled in the University three, four or more years ago. If the University has done its job well, they are completely different people.

The graduate looks at the world with an entirely different set of eyes. They now look for evidence for what is stated and to contest anything that does not appear to them to be valid or fair on the basis of the evidence presented.

At a university like Rhodes, graduates have also been trained to look through the lenses of theory. Theory is exactly like the lenses in a pair of spectacles. It allows us to see things we would not see without the spectacles, or to see things differently. Because theory allows us to see things we would not normally see, it allows us to imagine a world which does not yet exist, a world transformed from the one we currently inhabit. These are valuable attributes in the workplace and this is why graduates are highly sought after. They are especially important, however, in a fledgling democracy like ours.

Normally graduates would walk across the stage and participate in rituals which do not have their roots in African soil. One way to understand the proceedings is to see them as signifying an identity shift. Much as the way young men in some cultures, for example, may wear new clothes after an initiation ceremony, the wearing of an academic gown symbolises a shift in who the graduates have become. This shift would be recognised by the Chancellor who taps them on the head and by the Registrar who places the hood over their shoulders. The Deans, academics together with the entire University community, look on - celebrating and acknowledging our students’ achievements. The COVID -19 pandemic has necessitated the announcement of national lockdown levels, with related restrictions in the interest of the health and safety of all and to curb the spread of the virus. This has compelled the University to change the form of the ceremony to one that is pre-recorded and virtual in nature.

Recognising the enormity of the achievement and appreciating that graduation is a special moment for you and your loved ones, we encourage that graduates, families, friends, Rhodes University faculty and staff, alumni, and other community members to celebrate this special day in meaningful ways. The Communications and Advancement team encourage you to post celebratory and congratulatory photos and short videos on your personal social media pages using the hashtag **#RUGrad2021** as a way to support and celebrate our graduates.

Enjoy the ceremony but, more importantly, remember its significance in the lives of our young graduates and, indeed, in the history of our country.

Amended: A contribution by Emeritus Professor Chrissie Boughey – Former Deputy Vice Chancellor Academic and Student Affairs - Rhodes University.

COVID 19 amendment by the Registrar, Professor Adèle L Moody.

Yintoni uthweso-zidanga?

Uthweso-zidanga lixesha lobhiyozo elikhulu kubafundi neentsapho zabo. Lixesha lokugcoloda nokuchulumancela impumelelo, ukuthatha imifanekiso nokugcina iinkumbulo, ukuqhwebela izandla, yaye ngokuqinisekileyo, lixesha lokunxiba ngesizotha esifanele lo mnyhadala. Kulisiko ukuba abafundi abathweswa izidanga banxibe izidanga zabo ezibaphawula ‘njengabakhethekileyo’ nabohlukileyo kwabanye abantu abazimase umnyhadala. Bahamba eqongeni, baguqe phambi kweNgqonyela, iye ibathwese indwe, phambi kokuba badlulele kuMabhalane-jikelele weYunivesithi oye ‘abafake umxwayo’, ohambelana nesidanga abasithwesiweyo uninzi lwabo bazimase iminyhadala yothweso-zidanga, umbuzo ophambili ngowokuba lo mnyhadala, inkoliso yawo esusela eYurophu kumakhulu ngamakhulu eminyaka eyadlulayo, ingaba uthetha ntoni kuMzantsi Afrika wale mihla. Enye indlela yokuphendula lo mbuzo kukugxila kwabathweswa izidanga. Njengoko abafundi behamba kwinqonga namhlanje, abasengabo aba bantu babengabo mhla babebhalisela ukufunda kule Yunivesithi kwiminyaka emithathu, emine okanye engaphezulu eyadlulayo. Ukuba iYunivesithi iwenze ngokuphume izandla umsebenzi wayo, bangabantu abohlukileyo kwaphela.

Lowo uthweswa isidanga ulibona ihlabathi ngamehlo ohlukileyo. Ngoku ukhangela ubungqina boko kuthethwayo aze aphikise nayiphi na into ebonakala ingenasihlahla kuye okanye enetyheneba ngokuphathelele kubungqina obunikezelweyo. Kwiyunivesithi efana neRhodes, abo bathweswa izidanga bakwaqeqeshwe ukuba bajonge izinto ngamehlo enkcazo-bungcali(theory). Inkcazo-bungcali ifana nqwa neelensi kwiintanyongo. Isinceda ukuba sibone izinto ebesingenakho ukukwazi ukuzibona ngaphandle kweentanyongo, okanye sibone izinto ngendlela eyahlukileyo. Kuba inkcazo-bungcali isincedisa ukuba sibone izinto ebesingenakho ukukwazi ukuzibona, isinceda ukuba sibe nomfanekiso-ngqondweni wehlabathi elingekabikho, ihlabathi eliguquke kakhulu kwelo siphila kulo ngoku. Ezi zizidingo ezixabisekileyo kwindawo yokuxelengela yaye kungoko abo bathweswa izidanga belangazelelwa. Babaluleke ngokukhethekileyo, ingakumbi kulawulo lwentando yesininzi efana neyethu esakhulayo. Ngokusesikweni, abo bathweswa izidanga baye bahambe eqongeni bethatha inxaxheba kwizithethe nangcambu zazo ezingezizo ezaseAfrika. Indlela esinokuwubona ngayo lo mnyhadala yileyo yokuwujonga njengenguqu yobuni. Ukunxitywa kwesambatho sokuthweswa isidanga kubonakalisa inguqu kwabo bathwesiweyo ngokufanayo nakwezinye iinkcubeko, umzekelo, apho amatyendyana abafana aye anxibe iimpahla ezintsha emva kolwaluko, ukuphawula ukunyukela kwesinye isigaba sobomi. Le nguqu iye iqatshelwe yiNgqonyela eye ibabethe entloko noMabhalane-jikelele weYunivesithi obathi tyu ngexakatho emagxeni. Iintloko zeeFakhalthi, abahloli, kunye nalo lonke uluntu lweYunivesithi zibukele – bebhiyozela yaye bengqina impumelelo yabafundi bethu.

Ubhubhane weCOVID-19 uye wagunyazisa ukubhengezwa kwemiqathango yomvalela-ndlini kuzwelonke yaye eminye imiqathango igxile kwimpilo nokhuseleko lomntu wonke nokunciphisa ukwanda kwale ntsholongwane. Oku kunyanzelise iYunivesithi itshintshe uhlobo lomnyhadala lube lolu lushicilelweyo noluqhuba ngonxibelelwano lobuxhakaxhaka lobuchwepheshe ne-intanethi. Ekuqapheleni ubukhulu bale mpumelelo nokuqonda ukuba ukuthweswa isidanga yinto ekhethekileyo kuwe nakwabo basenyongweni kuwe, sikhuthaza ukuba abo bathweswa isidanga, iintsapho, abahlobo, amacandelo emfundo nabasebenzi beYunivesithi iRhodes, amagqala namanye amalungu oluntu ukuba babhiyozele lo mhla ukhethekileyo ngeendlela ezichukumisa imvakalelo. Iqela loNxibelelwano noPhuhliso likhuthaza ukuba nixhome kumakhasi enu abucala onxibelelwano imifanekiso yenu neevidiyo ezimfutshane zokubhiyozela nokuvuyisana nale mpumelelo nisebenzisa ihashtag **#RUGrad2021** njengendlela yokuxhasa nokuvuyisana nabo bathweswa izidanga. Yonwabela umnyhadala namhlanje, kodwa ngokubaluleke ngakumbi, khumbula ukubaluleka kwawo kumlisela nomthinjana wethu othweswa izidanga, yaye nangokwenene, ukubaluleka kwawo kwimbali yelizwe lethu.

Ilungiselelwe nguNjingalwazi uChrissie Boughey – Owayesakuba nguSekela Ngqonyela weMicimbi yezeMfundo neyaBafundi – eRhodes University.

Inguqulelo mayela neCOVID 19 zenziwe nguMabhalana-jikelele weYunivesithi, uNjingalwazi Adèle L Moody.

Wat is 'n gradeplegtigheid?

'n Gradeplegtigheid is 'n tyd van feesvieringe vir studente en hulle families. Dit is 'n tyd waarin prestasie vereer word, foto's geneem en herinneringe gemaak word. Dis 'n tyd vir applous en natuurlik om aan te trek na gelang van die waardigheid wat die seremonie verdien.

Studente wat gradueer dra tradisioneel 'n akademiese toga wat hulle uitwys as 'spesiaal' en anders as ander mense wat die seremonie bywoon. Hulle loop oor die verhoog, kniel voor die Kanselier, wat hulle dan met 'n seremoniële hoed op die kop tik voor hulle aanbeweeg na die Registrateur wat vir hulle 'n 'kap opsit' volgens die graad wat hulle verwerf het.

Vir baie mense wat die gradeplegtigheid bywoon, is daar 'n sleutelvraag rondom wat al hierdie seremonies en prosedures, waarvan die oorsprong honderde jare gelede meerendeels in Europa ontstaan het, in kontemporêre Suid-Afrika sou beteken. Een manier om die vraag te beantwoord is om te fokus op die gegradueerde self. Soos studente vandag oor die verhoog stap, is hulle nie dieselfde mense wat drie of vier jaar gelede by die Universiteit ingeskryf het nie. As die Universiteit hulle werk goed gedoen het, is hulle geheel en al ander mense. Die gegradueerde kyk met nuwe oë na die wêreld. Hulle soek nou vir bewyse vir dit wat gestel word en bestry enige iets wat nie vir hulle geldig of regverdigbaar volgens die bewyse wat aangebied word, is nie.

By 'n universiteit soos Rhodes, is gegradueerdes ook opgelei om deur die lens van teorie te kyk. Teorie werk presies soos die lense van 'n bril. Dit skep die geleentheid om dinge te sien wat ons nie sonder die bril sou kon sien nie; of om dinge anders te sien. Aangesien teorie ons die kans gun om dinge te sien wat ons andersins nie sou kon sien nie, gee dit ons ook die geleentheid om 'n wêreld te verbeel wat nog nie bestaan nie, 'n wêreld wat getransformeer het van die een waarin ons op die oomblik woon. Dit is waardevolle eienskappe in die werkplek en dit is waarom gegradueerdes gesog is. Hulle is veral belangrik in 'n jong demokrasie soos ons eie.

Normaalweg sou gegradueerdes oor die verhoog stap en deelneem aan rituele wat nie hulle wortels in Afrika-grond het nie. Een manier om hierdie verrigtinge te begryp is deur dit te beskou as 'n verskuiwing in identiteit. Op dieselfde manier waarop jong mans in sommige kulture nuwe klere ná 'n inisiasie-seremonie sou dra, simboliseer die dra van 'n toga 'n verskuiwing in die mens wat die gegradueerde nou geword het. Hierdie verskuiwing word erken deur die Kanselier wat hulle op die kop tik en die Registrateur wat die kap oor hulle skouers plaas. Die Dekane en akademici, saam met die hele Universiteitsgemeenskap, aanskou dit – ter viering en erkenning van ons studente se prestasies. Die COVID-19 pandemie het die aankondiging van nasionale inperkingsvlakke genoodsaak met gepaardgaande maatreëls rondom die gesondheid en veiligheid van almal en om die verspreiding van die virus te beperk. Die Universiteit word hierdeur verplig om die formaat van die seremonie te verander na een wat vooraf opgeneem en virtueel van aard is.

Ter erkenning van die grootsheid van die prestasie en met waardering dat 'n gradeplegtigheid 'n spesiale oomblik vir jou en jou geliefdes is, moedig ons gegradueerdes, families, vriende, Rhodes Universiteit se fakulteite en personeel, alumni en ander lede van die gemeenskap aan om hierdie spesiale dag op 'n betekenisvolle manier te vier. Die Kommunikasie- en Bemakingspan moedig u aan om foto's van feesvieringe en gelukwensings asook kort videos op u persoonlike sosiale mediaplatforms onder die hutsmerk #RUGrad2021 te plaas as 'n manier om ons gegradueerdes te ondersteun en te vereer.

Geniet vandag se seremonie, maar – belangriker nog – erken die uitsonderlike belang daarvan in die lewens van ons jong gegradueerdes en, inderdaad, in die geskiedenis van ons land.

Gewysig: 'n Bydra deur Emeritus Professor Chrissie Boughey – Voormalige Adjunk Visiekanselier van Akademie- en Studentesake – Rhodes Universiteit.

COVID-19 wysiging deur die Registrateur, Professor Adèle L Moodly.

**NATIONAL ANTHEM OF SOUTH
AFRICA**

Nkosi sikelel' iAfrika
Maluphakanyisw' uphondo lwayo,
Yizwa imithandazo yethu,
Nkosi sikelela, thina lusapho lwayo.
Morena boloka setjhaba sa heso,
O fedise dintwa la 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.