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UNIVERSITY OF
KWAZULU-NATAL

GRADUATION CEREMONY

FACULTY OF SCIENCE AND AGRICULTURE
TUESDAY, 11 MAY 2004
18h00

STUDENTSâ\200\231 UNION BUILDING
(PIETERMARITZBURG CAMPUS)

OFFICERS

Interim Vice Chancellor and Principal

Chairman of Interim Council

Deputy Vice Chancellor Students

Deputy Vice Chancellor Research

Deputy Vice Chancellor
Administration and Finance

Pro Vice Chancellor Partnerships
Pro Vice Chancellor Planning
Interim Registrar

Co Chair of Convocation Executive
Co Chair of Convocation Executive
Executive Dean

Agriculture, Engineering, Science

Dean (Acting) Science and
Agriculture

Professor MW Makgoba
MBChB(Natal), DPhil(Oxon), FRCP(Lond),
FRSSAf, MASSAf, AMP(INSEAD)

Dr V Maphai

BA(Unisa), Bachelor of Philosophy(cum laude)
University of Leuven, MA(Philosophy) (Magna
cum laude) University of leuven, BAHons (Unisa)
Doctor of Philosophy(Natal) Advanced
Management Program(Harvard)

Professor EA Ngara
BAHons, MPhil, PhD(London)

Professor SS Abdool Karim
MBChB(Natal), MS(Epidem) (Columbia), Dip
Datametrics (CompSc) (Unisa), FFCH (CommMed)
(SA), MMed(CommHIth), PhD(Natal)

Professor H Staniland
BAHons, LLB(Natal), LLM, PhD(Southampton)

Professor JD Volmink
BScHons(UWC), MS, PhD(Cornell)

Professor R Miller
BAHons, MA, PhD(Witwatersrand)

Dr E Mneney
LLB, LLM(Dar-es-Salaam) LLD (UDW)

Dr Z Mlisana
M.B, M.ChB(Natal) FCP(Paeds) (SA)

Mr A Young
BAdmin, BAdmin(Hons) (UDW)

Professor PJK Zacharias
BScAgric, MScAgric(Natal), DSc(UFH) (MGSSA)

Dr JPG Ewer
BSc MSc(UCT) MSc(Sussex) PAD(NUST)

Zimbabwe)

ProGrAMME

The Academic Procession enters the Hall
THE ACTING CHANCELLOR CONSTITUTES THE CONGREGATION

WELCOME ADDRESS

The Acting Interim Vice Chancellor & \200\224 Professor H Staniland

MUSICAL INTERLUDE
The University of KwaZulu-Natal Choir

PRESENTATION OF GRADUANDS
The Deans

THE ACTING CHANCELLOR DISSOLVES THE CONGREGATION

NATIONAL ANTHEM

The Congregation is invited to join in the singing of the National Anthem

The Academic Procession leaves the Hall

The congregation is requested to stand while the academic procession
enters and leaves the hall

Kindly ensure that cell phones are switched off

* 4+ X *

Key to symbols

summa cum laude

magna cum laude

cum laude

with distinction

(Subject distinctions in brackets)

Awards for Degrees in the Faculty of
Science and Agriculture

DOCTORS DEGREES

SCIENCE AND AGRICULTURE

DOCTOR OF PHILOSOPHY

Discipline

Addisont Pia,:BSCHONS(SIEIl)) ci.vnwiviismonnssi i BB S i o il s Entomology

Thesis: Ant management in Western Cape vineyards

Supervisor: Professor MJ Samways

Co-supervisor:Professor S Piper

AppletongMargarctiRae, IVSe st on il i nn B L S T s Botany

Thesis: Micropropagation of Hypoxis colchicifolia Baker- a valuable medicinal plant

Supervisor: Professor J van Staden

IRYNNMRYChard AV anwi kS lT C AT S G Grassland Science

Thesis: Determinants of community composition and diversity in KwaZulu-Natal
mesic grasslands

Supervisor: Professor KP Kirkman

Co-supervisors: Professor TG Oâ\200\231Connor, Professor RJ Haynes, Mr CD Morris

IV A e A N O kAT Al R AT S G e Botany

Thesis: Genetic transformation and micropropagation of Thapsia garganica L. â\200\224a
medicinal plant

Supervisor: Professor J van Staden

Co-supervisor: Dr AK JÃ@dger

MASTERS DEGREES

MASTER OF SCIENCE

Discipline

Bairu Michael Wolday BSc Plant Physiology

Dissertation: ~ Growth regulators and somaclonal variation in Cavendish banana

Supervisor: Professor J van Staden

Co-supervisor: Dr CW Fennell

Bowen Kelly AONSBS 2027 BSc Zoology

Dissertation: Seasonal variation in thermal biology of the rock hyrax (*Procavia capensis*)

Supervisor: Dr CT Downs

Cunningham, Debra Margaret, BSCHOMSccocovuiiiiiiniieiniciinicicine, Plant Pathology

Dissertation: Evaluation of the potential use of antagonistic microbes on grass species, turf and pasture, for disease control and growth stimulation

Supervisor: Professor MD Laing

Co-supervisor: Dr PM Caldwell

Gebreslasie, Michael Teweldemedhin, BA Geography (Asmara) Applied Environmental Sciences

Dissertation: Designing and implementing a GIS-based cadastral database for land administration in the City of Asmara, Eritrea

Supervisor: Dr FB Ahmed

GoldNohn David NBSc LT Botany

Dissertation: Cytokinins and the germination of *Tagetes minuta* L. achenes

Supervisor: Professor J van Staden

Co-supervisor: Dr WA Burnett

4+ Habteslassie, Yonas Ghebremeskel, BSC (ASMARA)coceveciciciinnieiniees Statistics

Dissertation: ~ Group screening with imperfect testing

Supervisor: Professor LM Haines

Co-supervisor: Dr HG Mwambi

Mkhize, Pamela Phumelele, BSCHOMSc..cccouciiiiieeiisiesisssnssecceee Biochemistry

Dissertation: Epitope mapping of trypanosomal cysteine proteinases

Supervisor: Professor THT Coetzer

Soto, Bartolomeu Filimao, BVetSci (Pret)c.ccccoveieiees Environment and Development

Dissertation: Application of a framework to assess wildlife policy and its implementation in Mozambique

Supervisor: Professor CM Breen

Co-supervisor: Professor RJ Fincham

Sl keRismacliSulemantiBS CIASIANA) oot ot e S S R S Statistics

Dissertation: ~ Modelling volatility in time series data

Supervisor: Professor LM Haines

Co-supervisor: Dr HG Mwambi

Tesfagiorgis, Girmai Berhe, BA Geography(Addis Ababa).....Applied Environmental Sciences

Dissertation: An investigation into land capability classification in Eritrea: the case study

of Asmara City environs

Supervisor: Dr FB Ahmed

4+ Tesfamichael, Solomon Gebremariam, BSc(Asmara) Applied Environmental Sciences

Dissertation: Mapping potential soil erosion using RUSLE, remote sensing, and GIS: the case study of Weenen Game Reserve, KwaZulu-Natal

Supervisor: Dr FB Ahmed

MASTER OF SCIENCE IN AGRICULTURE

Buntting, Clive Bartle, MBL(URISQ)ccovvueueiiiiiiiiiniiiiicccce Grassland Science

Dissertation: A strategy for optimal beef production off Sourveld

Supervisor: Professor PJK Zacharias

Co-supervisor: Mr CM Morris

Ghebremariam, Woldeab Kibreab, BSc(Asmara)cccccc..... Animal Science

Dissertation: A production function analysis of fresh milk production in the Highlands of Eritrea

Supervisor: Dr IV Nsahlai

Co-supervisor: Professor GF Ortmann

Mohammed, Mohammed Abdurahman, B.Econ (Asmara)..... Agricultural Economics

Dissertation: Perceptions and management of risk by commercial farmers in Eritrea

Supervisor: Professor GF Ortmann

Reynolds, Richard Norman, BSCAGIICcoovviiivininiicccicciencneceeeecs Grassland Science

Dissertation: ~ Summer supplementation of beef cattle on veld and kikuyu pastures

Supervisor: Professor PJK Zacharias

Co-supervisor: Mr MAG Darroch

Sekgetle, Sandra Galeiphiwe, BScAgricHOns(UNIN).....c...c..... Agricultural Economics

Dissertation: Land redistribution for agricultural development: an evaluation of stakeholders

responses in KwaZulu-Natal

Supervisor: Professor WL Nieuwoudt

Shange, Lindiwe Princess, BSCArichONS(UZ).....coovuviiniiiniinininnn. Crop Science

Dissertation: A survey of taro [*Colocasia esculenta* (L.) Schott] production by small-scale farmers and yield determination under wetland and upland conditions at Ndwedwe, KwaZulu-Natal

Supervisor: Dr AT Modi

Co-supervisor: Dr DC Kotze

MASTER OF AGRICULTURE

Mohammad, Omer Ibrahim, BSc(Baghdad)ccccceoveviiiiinininiinnnnnnn. Food Security

Dissertation: Preliminary investigation of the potential for small scale production of quality solar dried produce, KwaZulu-Natal

Supervisor: Dr SL Hendriks

Rudd, Megan Oâ\200\231 Neal, BA Biology(Colorado) Rural Resource Management

Dissertation: Aligning vision and action of a landcare ethos through systemic intervention : the case of the Farmer Support Group

Supervisor: Miss M Salomon

Co-supervisor: Rev S Luckett

StefanoNEynnyA Ctta1 2 GE DI R R s Food Security

Dissertation: Preferences, access and use of printed material for potential small scale organic production

Supervisor: Dr SL Hendriks

Co-supervisors: Professor C Stilwell, Mr CD Morris

MASTER OF ENVIRONMENT AND DEVELOPMENT

Long, Brian Patrick, BS.Recreation Resource Management(Montana)

Dissertation: Wilderness planning using the limits of acceptable change system: a case study of the overnight caves in the Mlabonja wilderness area of the uKhahlamba-Drakensberg Park.

Supervisor: Dr NW Quinn

Co-supervisor: Ms S Krueger

Makweya, Phuti Phillip, BA(UNIN)

Dissertation: Spatial analysis of tenure reform impact on economic development of nodal points.

Supervisor: Dr D Rugege

Co-supervisor: Dr J Turkstra

Mbenga, Emelda, BScHons(Pret)

Dissertation: A study of visitor wildlife viewing preferences in Madikwa Game Reserve, South Africa.

Supervisor: Dr R Slotow

Co-supervisor: Mr M Draper

Mkhungo, Nomalanga Sharon, BSocSci

Dissertation: ~ Towards integrated development approach in land reform: case study of Umgai Project, Ugu District Municipality

Supervisor: Professor EM Makhanya

Co-supervisor: Dr H van Gils

4 Mothibi, Kainayang Letta, BA(Botswana)

Dissertation: Improved tribal land information management systems: a case study of Maletle Land Board, Ramotswa, Botswana.

Supervisor: Mr SM Chilufya

Co-supervisor: Professor M Nkambwe

Mulemwa, Kenneth Wamundila, BSc(Zambia)

Dissertation: Evaluation of DWAF minimum requirements in the permitting of hazardous waste disposal sites: a case study of Shongweni H:h hazardous landfill site.

Supervisor: Dr NW Quinn

Mwango, Nelly Nwazi, BSc(Copperbelt)

Dissertation: An assessment of the implementation of the community environmental management programme in Zambia: a case study of Luansobe settlement & Mufulira district.

Supervisor: Professor RJ Fincham

Co-supervisor: Dr NW Quinn

Nkhoma, Rodgers, Dip Wildlife Managemeni(Mweka)

Dissertation: Involving communities in managing protected areas: a case study of the local board for uKhahlamba-Drakensberg Park

Supervisor: Professor RJ Fincham

Co-supervisor: Mr WD Densham

Nkome, Tshepiso Simon, BAdmin(Unisa)

Dissertation: The dysfunctionality of communal property associations. An assessment of factors that lead to the dysfunctionality of communal property associations in districts of Gauteng, North West and Mpumalanga Provinces

Supervisor: Professor EM Makhanya

Co-supervisor: DrJ de Meijere

Peden, Moraig Isobel, BA, HDE P/G Sec (CapeTown)

Dissertation: ~ The impact of communal land-use on the biodiversity of a grassland at Cathedral Peak, uKhahlamba-Drakensberg Park, South Africa

Supervisor: Dr MR Hamer

Co-supervisor: Dr TM Everson

Shepherd, Ashley Everett, BSc Recreational Management (Montana)

Dissertation: Wilderness information systems for education: a proposed management framework.

Supervisor: Dr NW Quinn

Co-supervisor: Ms S Krueger

Zwane, Nontokozo Yvonne Terrylyene, BAHons (UDW)

Dissertation: Land reform and sustainable rural livelihoods: a case study of Draaikraal, Mpumalanga Province

Supervisor: Professor EM Makhanya

Co-supervisor: Dr D Rugege

BACHELORS DEGREES

BACHELOR OF SCIENCE HONOURS

Dalton, Brian Patrick Alexander Wildlife Science
+ Dunbar, Michelle Soil Science
Jobson, Geoffrey Allister Wildlife Science
+ Linck, Christine Soil Science
Sekantsi, Mamokoli Dorothy Ecology & Conservation Biology

BACHELOR OF SCIENCE IN AGRICULTURE

Masango, Nokuthula Annah Industrial Microbiology
Mwanza, Belinda Agricultural Economics

BACHELOR OF SCIENCE

Malatsi, Freddy Ramoipone
Marriemuthu, Rishen Neil
Mbele, Nonkanyiso Prisca
Mongwaketsi, Kgosi Eric
Mthimkhulu, Linda Wiseman
Ndlovu, Nomfundo Prisca
Nkosi, Mncedi Rainel
Passmoor, Sean Stuart
Phungula, Dumisani Bernard
Pillay, Kerusha

Singh, Akshanee

Siverpersad, Ishara

Vilakazi, Philadelphia Bagezile
Xongwana, Nompumelelo Prudence

BACHELOR OF AGRICULTURE

Zwane, Thembinkosi Albert, DipRuralResMgt

POSTGRADUATE DIPLOMAS

Information Technology
Applied Mathematics/Computer Science
Biochemistry/Genetics
Biochemistry/Microbiology
Biochemistry
Genetics/Microbiology
Hydrology/Physics

Computer Science/Physics
Physics

Genetics

Microbiology

Statistics

Microbiology/Plant Pathology
Biomolecular Technology

POSTGRADUATE DIPLOMA IN DIETETICS

Hallson, Amanda Frances, BApplSc (Ryerson Polytechnic University)
Njokwe, Sthandiwe Buhlebethu Charity , BScDietetics

Singh, Rika, BScDietetics

POSTGRADUATE DIPLOMA IN RURAL RESOURCE MANAGEMENT

Phadima, Lehlohonolo Joseph, BAgric

Riungu, Francis Muriithi, BAgric

National Anthem

Nkosi Sikeleli Afrika,
Maluphakanyiswâ\200\231uphondo lwayo,
Yizwa imithandazo yethu

Nkosi sikelela Thina lusapholwayo.

Morena boloka Setjhaba saheso
Ofedise dintwa le matshwenyeho.

O se boloke, O se boloke,
Setjhaba saheso
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.

