

UNAM
UNIVERSITY OF NAMIBIA

Annual Report 2014





UNAM
UNIVERSITY OF NAMIBIA

Annual Report 2014



Edited by:

Prof. Lazarus Hangula, Prof. Osmund Mwandemele,
Prof. Jairos Kangira, Prof. Erika Maass, Mr. Edwin Tjiramba and Mr. Alois Fledersbacher

Design, Layout & Photos: Mr. John Rittmann

Compiled by: Mr. Edwin Tjiramba and Mr. John Haufiku

Acknowledgements

This Annual Report materialised with the assistance of all Faculties, Centres and Units. We would like to thank all Deans, Directors, Heads of Department, including administrative staff members for their contributions. In addition, the following offices also assisted greatly in making this Report a reality: The Office of the Registrar, the Office of the Bursar, Communications and Marketing, the Research and Publications Office and the Human Resources Directorate.

All rights are reserved. Permission to reproduce any part of the Report must be obtained from the University of Namibia.
© UNAM 2014

TABLE OF CONTENTS 2014

University of Namibia – Coat of Arms	v
University of Namibia – Logo	vii
Mission & Vision Statement	ix
Statement by the Chancellor of the University of Namibia	x
Statement by the Chairperson of the University of Namibia Council	xii
REPORT OVERVIEW	2
The Vice Chancellor’s Executive Summary	3
Preamble	3
Key Accomplishments	5
New Academic Programmes	7
International Collaboration	8
Research	8
OVERVIEW OF KEY ACTIVITIES BY THE REGISTRAR	15
Overall Student Enrolment	15
Student Enrolment per Region	21
Student Enrolment per Campus (Full-and Part-time)	25
Graduation	27
ACTIVITIES OF FACULTIES, SCHOOLS & CAMPUSES	30
Faculty of Agriculture and Natural Resources	31
Faculty of Economic and Management Sciences	37
Faculty of Education	43
Faculty of Engineering and Information Technology	49
Faculty of Health Sciences	55
School of Nursing and Public Health, School of Medicine, School of Pharmacy	55
Faculty of Humanities and Social Sciences	61
Faculty of Law	65
Faculty of Science	69
Oshakati Campus	73
ACTIVITIES OF ACADEMIC CENTRES	80
Centre for Quality Assurance and Management (CEQUAM)	81
Centre for External Studies (CES)	85
Continuing Professional Development Unit (CPD)	89
Disability Unit	93
Language Centre	97
The University Library	99
Multidisciplinary Research Centre (MRC)	103
School for Postgraduate Studies	109
Research and Publications Office	113
Sam Nujoma Campus, Henties Bay	117
Teaching and Learning Improvement Unit (TLIU)	121
Zero Emissions Research Initiative (ZERI)	125
ACTIVITIES OF OTHER UNITS	130
Estate Services	131
Strategic and Physical Planning Unit	133
University Central Consultancy Bureau (UCCB)	137
UNAM Foundation	141
FINANCIAL MATTERS	146
General Review	147
Revenue and Expenditure	147
SENIOR OFFICE BEARERS OF THE UNIVERSITY OF NAMIBIA	161
CONTACT DETAILS	163

UNDERSTANDING

The UNAM Brand

University of Namibia Coat of Arms

The Coat of Arms of the University of Namibia (UNAM) is a heraldic device whose design is grounded on an academic tradition that has been in practice for many centuries. It comprises three elements: a shield, a base and a motto contained in a scroll.

In keeping with the tradition of leading universities worldwide, UNAM revamped and elevated its Coat of Arms to a purely academic role. Henceforth, the Coat of Arms will be used solely for ceremonial purposes, such as the endorsement of academic qualifications.

Therefore, the elevated status of the Coat of Arms necessitated the need for a logo to be used for marketing and promotional purposes.



COAT OF ARMS

The Coat of Arms of the University of Namibia (UNAM) is a heraldic device whose design is grounded on an academic tradition that has been in practice for many centuries. It comprises three elements: a shield, a base and a motto contained in a scroll.

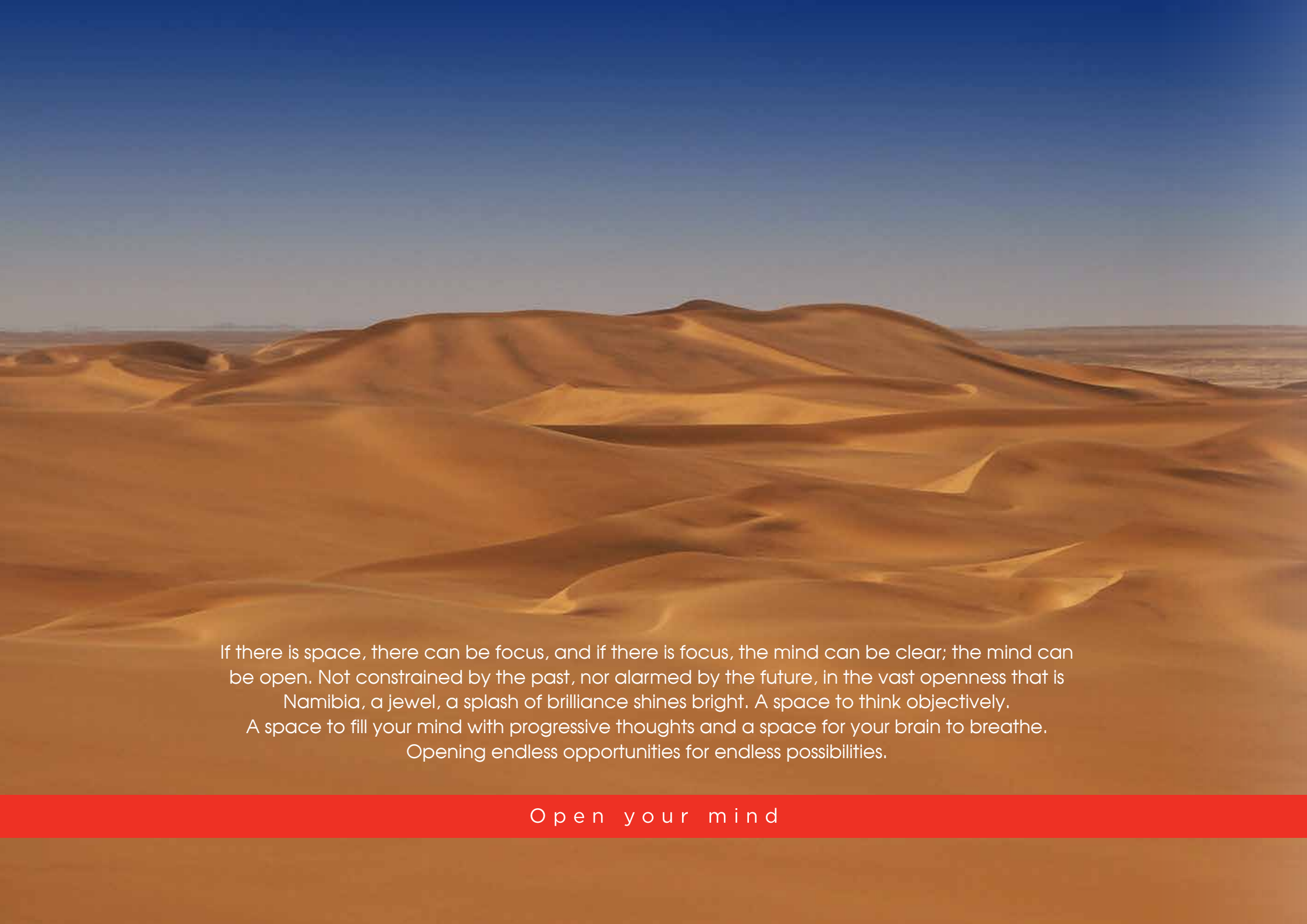
The shield is the central and most prominent feature of the Coat of Arms. It contains a symbol of the sun, based on the Namibian flag, and an open book. It represents the link between the University and the Namibian nation. The sun and the book are joined together to form an integrated element, which is suspended in a field of crimson.

The book represents the University as an institution of higher learning, and symbolises the academic freedom of enquiry. The sun represents life and energy. The integrated symbol of the sun and the book carries a double meaning. Firstly, it represents the envisaged harmony between the University and the Namibian nation, as expressed in the University of Namibia Act, No. 18 of 1992, which expects UNAM to develop the highest quality education that caters for the needs, interests and aspirations of the people of Namibia. Secondly, it represents the light and enlightenment radiating from the Institution.

The crimson colour represents the vitality and courage of the people of Namibia, whose collective vision, determination and sacrifice brought about an enabling environment that now permits Namibian citizens to acquire appropriate knowledge, ideas and skills through University education. It represents the organic link between the University and the nation. It also reminds us of the world wide historical symbol that "the life is in the blood, and blood is life"

The chlorophyll-green *Welwitschia mirabilis* plant at the base, one of the oldest plants in the world, which is only found in the Namib desert, symbolises endurance and continuity. In addition, its position as the base for the symbolic elements of learning and enlightenment, signifies that the strength of the University is grounded in the ideals, the culture and the traditions of the people of Namibia, and has inherent qualities of creativity, endurance and fortitude in difficulties. The *Welwitschia*, indeed, survives in a hostile environment by harvesting the desert fog.

The motto of the University, Education, Service, Development, declares the mission of the institution, and serves as a source of inspiration to both students and lecturers, and also to UNAM's entire community.

A wide-angle photograph of a desert landscape featuring rolling sand dunes. The dunes are a warm, golden-brown color and are set against a clear, deep blue sky. The lighting suggests a bright, sunny day, with soft shadows cast across the sand. The horizon is flat and extends to the edges of the frame.

If there is space, there can be focus, and if there is focus, the mind can be clear; the mind can be open. Not constrained by the past, nor alarmed by the future, in the vast openness that is Namibia, a jewel, a splash of brilliance shines bright. A space to think objectively. A space to fill your mind with progressive thoughts and a space for your brain to breathe. Opening endless opportunities for endless possibilities.

Open your mind



UNAM
UNIVERSITY OF NAMIBIA

UNIVERSITY OF NAMIBIA LOGO

The Logo comprises 3 elements lifted from the Coat of Arms: the sun, the book, and the colour red.

The Sun is a strong reminder of the origin of the University and is an iconic link to the country's flag.

The Book with opening pages speaks to the opening of one's mind and is a graphic reminder of the freedom of knowledge and the power of enlightenment.

The Colour Red represents the vitality and courage of the people of Namibia, the iconic Namibian dunes and the strength of the University.

The Need for a New Logo

Over the last few years, the University of Namibia inherited four Colleges of Education and two Agricultural Colleges, each with their own distinct brand identity. Together with its existing six campuses, the merger made UNAM the single and largest tertiary education institution in the country. To align these grand developments, the University resolved to rebrand.

The new logo does not replace the Coat of Arms, it merely complements it. It is a uniting symbol, a bright representation of more than two decades of growth at the University of Namibia. The new logo is therefore public facing and a vibrant reminder of this new commitment. It will thus serve as the official marketing tool and corporate identity of the University of Namibia.



Core Values

- ◆ Professionalism
- ◆ Mutual respect
- ◆ Integrity
- ◆ Transparency
- ◆ Equity
- ◆ Accountability

VISION & MISSION

Vision

To be a beacon of excellence and innovation through teaching, research and community services.

Mission

The University of Namibia strives to provide quality higher education through teaching, research, innovation and community services to our customers with the view to develop productive and competitive human resources capable of creating and driving public and private institutions towards a knowledge-based economy, economic growth and improved quality of life.

The Annual Report reflects the sustained growth and activities of the University in relation to its Mission Statement, which outlines the aims, goals, objectives and operational principles.

These are:

- to continue to develop the University as a leading national institution and a role model for research as a major contributor to nation-building;
- to give high priority to applied research across a broad spectrum of relevant fields;
- to encourage inter-disciplinary research approaches to the resolution of real-world problems;
- to cultivate standards of excellence in teaching, research and all the prescribed functions of UNAM, through encouraging constructive criticism, constant self-improvement, self-evaluation and peer assessment;
- to make the University services, expertise, skills, scholarly leadership and facilities accessible to all such persons as are likely to benefit from them, regardless of race, colour, gender, ethnic origin, religion, creed, physical condition, social and economic status;
- to safeguard and promote principles of University autonomy, with a view to providing an appropriate atmosphere and opportunities for UNAM's scholars to pursue the development of their highest intellectual potential;
- to serve as a repository for the preservation, development and articulation of national values and culture through the promotion of Namibian history, art and languages;
- to undertake basic and applied research, with a view to contributing to the social, economic, cultural and political development of Namibia;
- to encourage endogenous development and application of science and technology;
- to provide advisory, consultancy, and extension services throughout the country, with the view to promoting community education and appropriate know-how, thus enhancing society's productivity and socio-economic development; and
- to promote national and regional unity and understanding.



**STATEMENT BY THE CHANCELLOR OF THE
UNIVERSITY OF NAMIBIA**

*H.E. Dr Hifikepunye
Pohamba, Second President
of the Republic of Namibia*

The more than two decades of quality tertiary education in Namibia has set a solid foundation upon which the ideals of nation building are being cemented. This is largely owed to the foresight of the Namibian government which supports and understands the value of an educated citizenry. Such government support, coupled with the commitment and dedication of the University's staff, spark efforts that continue to increase access to higher education in Namibia. For this, I am very proud and thus, grow ever more confident in the future that this country holds.

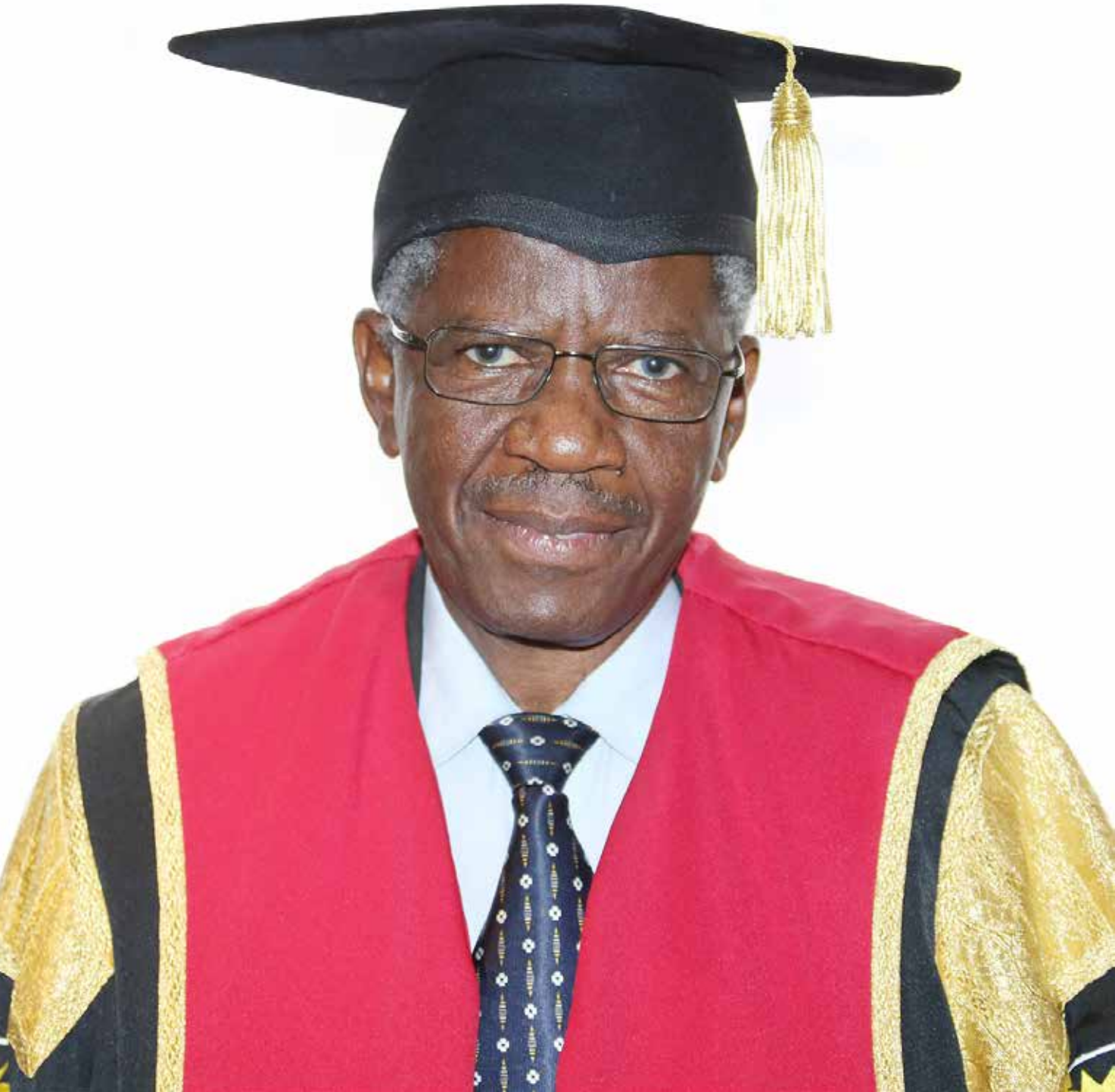
As Chancellor I believe that the University of Namibia is an indispensable fibre of Vision 2030. Testament to the latter is the University's objectives, which resonate strongly with national needs of the country as opposed to purely academic or corporate ones. A stark example is the physical expansion of the institution, which continues to be wide, attempting to ensure that there are no geographical confines to anyone that has resolved to better him or herself by studying at the University of Namibia.

Although the merits of the University stand tall, real challenges confront us. Available information reveals that the output of science graduates and related subjects is still relatively low. As a country anticipating industrialisation, a good foundation in science becomes imperative. Although our present dilemma is a commendable success story compared to where we were ten years ago, the university is strongly preoccupied with devising interventions to address this challenge.

In terms of nutrition, the University of Namibia has made livelihood altering strides yet to be applauded with deserving weight. The Ogongo Campus and Kalimbeza Rice Projects are but one of many successful executions of extension services by the University of Namibia. Owing to these breakthroughs made by the University, purchasing rice grown in Namibia has now become a reality.

Furthermore, I am pleased to state that following the university's active involvement in health related research and academic programmes, the health sector in Namibia will never be the same. This is largely due to various efforts that have begun to bear fruit. Chief among them is the Malaria Elimination project in northern Namibia, which is bringing Namibia nearer to the discovery of long-term solutions to eliminate this dreadful disease. In addition, the Faculty of Health Sciences pioneered the graduation of the first ever locally trained pharmacists. This is soon to be followed by Namibian trained doctors. Unfortunately, the written word alone cannot do justice to the depth and impact of such developments. It can also not be measured by simply computing the monetary value or the labour that accompanied it. Rather, the true worth of these efforts by the University of Namibia, are a currency best measured against the smiling face of a Namibian infant, whose mother need not worry about Malaria anymore, or about a wrong prescription or the lack of available doctors.

I believe that the University of Namibia has answered the call of duty during the year under review, and as Chancellor, I vow that the University of Namibia will keep doing its duty.



STATEMENT BY THE CHAIRPERSON OF COUNCIL

Professor Filemon Amaambo, Chief Surgeon, Oshakati & Onandjokwe Hospitals

Shortly after independence, despite cryptic talk of a lack of capacity, the Namibian government went ahead and by an Act of Parliament established the University of Namibia. Time has proven them wise. At the tender age of only 23 years, the University of Namibia competes with the top 50 much older universities on the Continent. More importantly, UNAM continues to play an important role in the fulfillment of national and regional development goals.

In order to increase relevance, the University of Namibia, with support from its Council, continued to vie for a stronger international presence by persistently engaging and collaborating with universities of note across the different corners of the globe. This has also been complemented by the meticulous acquisition of a diverse academic team, attracting top talent from Namibia, the continent and beyond. These efforts continue to be an important aspect of raising the bar of higher education and rings true to the unspoken promise of offering students a true universal educational experience.

In keeping up with the times, and ensuring visible presence amidst a world where every brand fights for recognition, the University Council sanctioned a university wide rebranding exercise. This process effectively elevated the UNAM Coat of Arms to a level of gravitas, given its seriousness only to be associated with certificates and special correspondence by the Chancellor. The public space it used to occupy has been gradually pilfered by a new logo. The Council remains committed to diversifying

the University's income in order to lighten the burden on state funds. To this end, special mention and recognition goes to the Indian Government for financing the completion of the India wing at the Faculty of Engineering and Information Technology. Similarly, academic staff deserve a standing ovation, as they, during the year under review, managed to clinch various research grants which minimised the strain on the UNAM budget. Council therefore remains committed to support management in the creation of conducive working arrangements that allow academics time to conduct research.

In line with the mission of being a beacon of excellence, the University continues to review its programmes and ensures registration with the relevant authorities via the Centre for Quality Assurance and Management. These important exercises provide needed public reassurance and allow for international recognition of UNAM qualifications. In addition, the year under review has seen new programmes, the Bachelor of Veterinary Medicine Programme at the Neudamm Campus as well as the Higher Diploma in Animal Health at the Katima Mulilo Campus in the Zambezi Region. The Faculty of Science also welcomed the School of Military Science and School of Computing during the year under review.

Although principally occupied with academic matters, the University of Namibia understands the value of life in its entirety and therefore recognises sports as a necessary tenant of socioeconomic development. To that end, the UNAM football club joined the MTC-Namibia Premier league and has managed to perform relatively well.





ANNUAL REPORT 2014 *Overview*

Principally concerned with being a beacon of excellence and innovation in teaching, research and extension services, the University of Namibia narrates in this annual report, a review of activities which transpired during the year 2014.

Key amongst them, is the launching of the Southern Campus, located in Keetmanshoop. Similar to the name of the town in Afrikaans, the new campus offers hope to a region where tertiary education was a decedent dream. Residents of Keetmanshoop and neighbouring towns now enjoy access to a UNAM campus, without the need to travel too far from home. Although initially only offering education, various career choices are being added strategically to take advantage of the region's natural resources. Similarly, some degrees have equally been located and relocated to regions where they can benefit the most from natural resources and robust industries; Katima Mulilo Campus and Sam Nujoma Campus being good examples.

The ever growing international footprint of UNAM continues to show promise, with more enrolled international students recorded for the year under review. In addition, International graduates are also steadily on the increase as this report will demonstrate. Similarly, the report chronicles research papers and presentations by the various faculties at local and international platforms, thus signifying one more step closer to the complete transformation of the University into a research based institution.

This report also touches on improved relations with the corporate sector, which has seen the establishment of a new accommodation facility at the Main Campus through a Public Private Partnership. Equally, the report briefly describes progress made on the construction of additional facilities at the School of Medicine. These buildings ascend while more programmes are being introduced at all levels, thereby expanding the course offering at the University of Namibia.

Last, but not least, this report also highlights some of the University's extension services, with a keen focus on work with communities, making a difference in the lives of ordinary folk.

*Prof Lazarus Hangula
Vice Chancellor
University of Namibia*

PREAMBLE

The University of Namibia continued to benefit from the wisdom of its Chancellor, His Excellency Dr Hifikepunye Pohamba, second President of the Republic of Namibia who was awarded the Mo Ibrahim Award Prize for his excellent work in building peace on the African continent and his strong advocacy for fairer and more inclusive multilateral world institutions. UNAM and the Namibian Nation are indeed very proud of him.

In keeping with the growing demand for access to higher education and national development needs, the University continued to grow in terms of student numbers as well as its programmes. Enrollment figures for 2014 stood at 19 506 students. A total of 2 767 students graduated from the different university campuses.

It is pleasing to note that UNAM is increasingly becoming the university of choice for many citizens of the world. This does not only mean that UNAM has become a more visible institution, it also means that there is quality in the education and training that our national university provides to her students as further attested by the level of our ranking among African higher education institutions.

I am also very delighted to note that a growing number of UNAM's own alumni who went through intensive capacity building training and academic upward mobility through teaching, research, publication and service to the wider community are more and more being recommended for promotion to associate or full professorship by their international academic peers around the globe. Thus, as Vice Chancellor, I am extremely happy to see that the number of Namibians who have been promoted

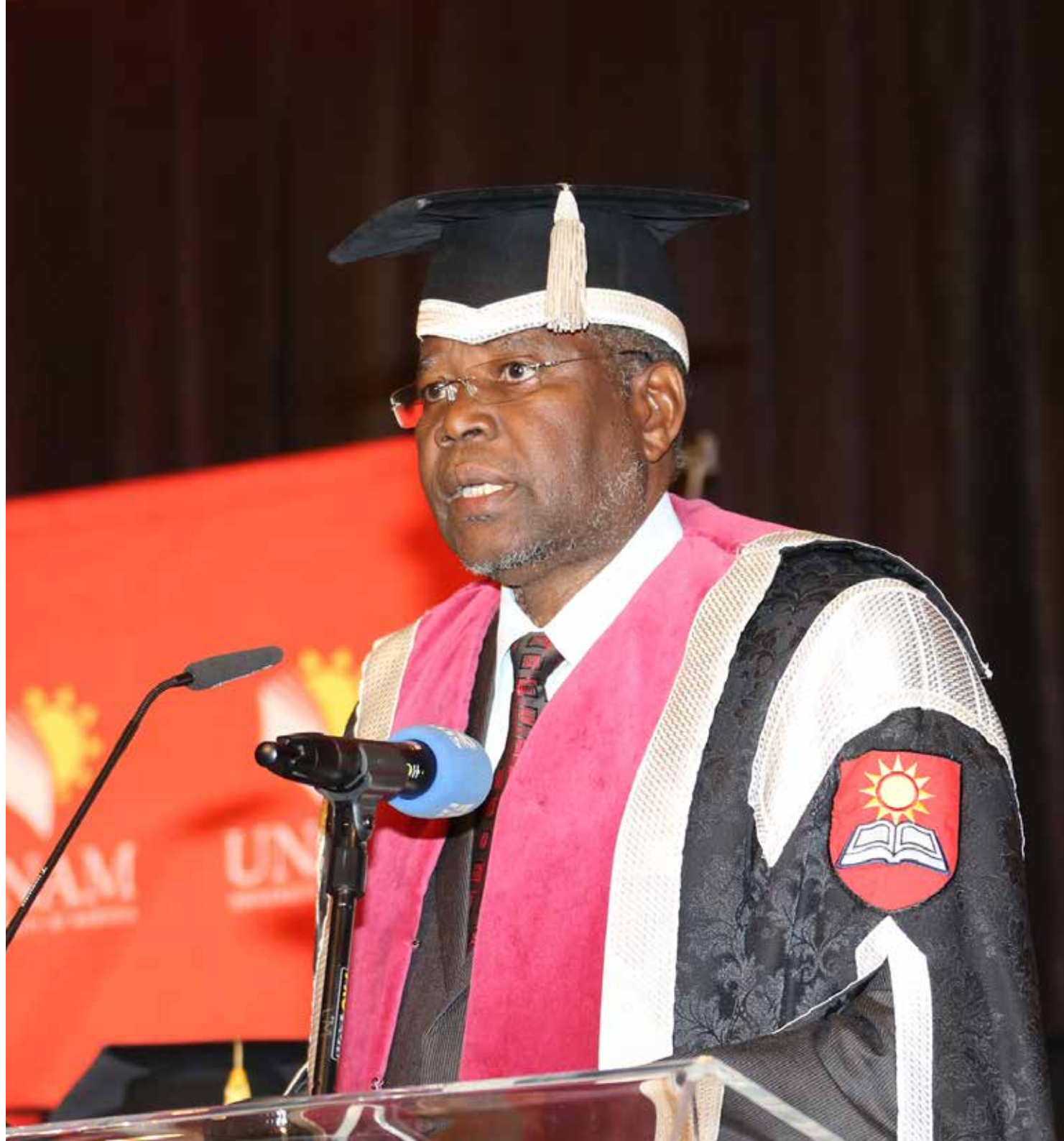
in recent years to senior academic positions (i.e. senior lecturers, associate professors and full professors) has significantly increased. This shows that the institution has come of age.

A total number of one thousand five hundred and fifteen (1 515) staff members were employed by the University during 2014. The breakdown of staff in the academic and administrative components, as well as those who were on the university funded staff development programme are detailed in tables one and two of this report.

As we strive to spread these achievements to all our campuses across the country, we wish to thank the Council of the University of Namibia for their unparalleled dedication, guidance and farsightedness, and for being the only national governance body that provided its supervised institution with an elaborate capacity building policy, programme and funds so as to ensure that in the long run UNAM faculties, schools and departments have a critical mass of indigenous as well as endogenous human resource capacity capable of transforming Namibia into a knowledge-based society. Our Council members are the giants on whose shoulders the University Management sits and tries to look far ahead.

The foregoing bears witness to the fact that, in as much as UNAM has remained ontologically the same, it has *de facto* grown in size and bounds. To highlight UNAM's improved identity and vitality, our Directorate of Communication and Marketing set in motion a remarkable and successful process of rebranding after getting a go-ahead from the University Management and Council. We congratulate them for a job well done!

THE VICE CHANCELLOR'S EXECUTIVE SUMMARY



KEY ACCOMPLISHMENTS

The twelfth University campus was opened in the southern town of Keetmanshoop, //Karas region. The driving forces of this new campus were the community of //Karas Region under the able leadership of Governor Clinton Swartbool, himself a proud alumnus of the University of Namibia, the Government of the Republic of Namibia and the generality of all Namibians.

During the review period, the University took concrete steps to bring into reality its goal of taking education to the people. In this regard it relocated the fisheries and marine resources degree programme to the Sam Nujoma Campus at Henties Bay. This demonstrates our commitment to ensuring that UNAM Campuses are connected to the people that host them. At Henties Bay the campus makes a significant contribution towards the fishing industry through research and working with communities.

To complement the support that we get from our government, as a university we have decided to leverage the potential that has been lying idle in the private sector. During 2014 for the first time, additional hostels at the main campus were opened to our students, as part of public private partnership (PPP). Although we are for now focusing on students' hostels, in future we hope to extend this PPP even to the setting up of laboratories and staff accommodation as well as other facilities that support teaching and learning.

Phase two of the School of Medicine, which consists of the Life Science II building, student hostels, parking area and a taxi rank was completed. During the year under review the University and its Council vigorously continued to explore ways and means of establishing a teaching hospital for the School of Medicine. UNAM is

convinced that it is inevitable that one day our university would require a teaching hospital designed to provide advanced medical care, conduct research and train managers for our country's health facilities. A teaching hospital would enable us to increase the number of trainee doctors that we enroll and increase medical specialisation in our country. Within the context of existing training facilities, this would not be possible. A teaching hospital is the apex of health care provision in any country. It provides care that would otherwise not be available. A teaching hospital would enable UNAM to venture into new frontiers of medical science and stem the outflow of the nation's money as citizens would not have to go abroad for treatment. It would enable the country to attract the best professors and physicians in the medical field.

The School of Medicine for the first time successfully opened a satellite site for the training of medical students in the North where students receive clinical education and training at the Oshakati State Hospital, Onandjokwe Lutheran Hospital and the Ongwediva Medipark Hospital. The latter was made possible by the signing of a Memorandum of Understanding between UNAM and the Private hospital modelled on Public Private Partnership arrangements.

During the year under review, together with the completion of the roadmap of the School of Public Health the curriculum of the Bachelor of Science in Public Health (Honours) was developed. The School of Nursing and Public Health launched a Master degree in the Field Epidemiology with the enrolment of seven students which was made possible through financial support from the Ministry of Health and Social Services and the Centre for Disease Control (CDC).

In addition, the Indian wing of the Eng. Jose Eduardo Dos Santos Campus was also completed. Phase three of the Faculty of Engineering and Information Technology campus consisting of an Auditorium, the Mining Engineering building, an IT and Resource Centre, Library, Computer Engineering Building and X-ray Laboratory is still in the design stage.

On the main campus in Windhoek, the construction of infrastructure for the School of Military Science was also completed.

During the year under review, the Sam Nujoma Campus together with the Laboratoire Interuniversitaire des Systèmes Atmosphériques (LISA) in Créteil (France) and North-West University (NWU) (South Africa) established the Henties Bay Aerosol Observatory (HBAO) in the framework of the bilateral research Project "Atmospheric Research in Southern Africa and the Indian Ocean".

With the existing collaborations between the University of Namibia, the Scientific Committee on Oceanic Research (SCOR) and the Science Partnerships for the Assessment of Complex Earth System Processes (SPACES), the Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC) entered into a research partnership with renowned institutions to develop a Regional Graduate Network in Oceanography (RGNO) programme. Institutions involved in this partnership include the Namibian National Marine Information and Research Centre (NatMIRC), Agouron Institute, University of Minnesota, ETH Zurich and Swiss I-Research & Training.

The Continuous Professional Development Unit (CPD) continued its support to the regional directorates of education to further entrench and institutionalise the

...the Sam Nujoma Campus together with the Laboratoire Interuniversitaire des Systèmes Atmosphériques (LISA) in Créteil (France) and North-West University (NWU) (South Africa) established the Henties Bay Aerosol Observatory (HBAO) in the framework of the Bilateral research Project "Atmospheric Research in Southern Africa and the Indian Ocean".



decentralised model of CPD which was adopted by the Ministry of Education.

The Faculty of Humanities and Social Sciences, through the Department of Human Science, completely revised the whole Philosophy curriculum and changed the section from Philosophy to Philosophy and Applied Ethics. Newer and more contemporary courses were introduced.

Another highlight of the year under review was the successful upgrading of the library management system from the Millennium system to a more robust system known as Sierra. This new system is an open services platform with powerful functionalities that provide integrated resources management. Equally important, is that, the new system offers the flexibility to meet the ever-changing needs of our growing libraries and users.

The Strategic Planning Unit successfully facilitated the business review for the year under review. A total of 38 management plans were reviewed and finalised. The annual business review report was finalised and served at Council.

To successfully implement all our academic programmes, UNAM requires sufficient numbers of qualified and experienced lecturers and professors. However, as a nation we do not have sufficient local academics to do so. Therefore, the University continued to open its doors to visiting scholars who come to UNAM for short periods and fill in, in areas where there are big gaps for professors and lecturers. Under this arrangement UNAM received visiting scholars from Canada, the United Kingdom, Finland, South Africa, Kenya and many other countries. The fact that these scholars come from reputable universities to us on their own volition is testimony of the reputation that our university has amassed so far.

As we move towards bridging the gap occasioned by the

shortage of professors and lecturers, we have intensified efforts to create a platform for E-learning where students can get online courses and e-learning materials.

NEW ACADEMIC PROGRAMMES

The University of Namibia Senate approved several academic programmes for implementation. The Veterinary Council of Namibia approved the curriculum for the UNAM Bachelor of Veterinary Medicine (BVM) degree programme. The six-year full-fledged programme was launched with an initial intake of 30 students. This was as a result of excellent cooperation and commitment by all stakeholders, namely UNAM, the Ministry of Agriculture, Water and Forestry (MAWF) and, the Namibian Veterinary Council (NVC). Another important programme which was launched in 2014, is the Higher Diploma in Animal Health being offered at Katima Mulilo campus. The products of this programme are expected to work very closely with rural communities as para-veterinary animal health technologists.

Since the country's former teacher training colleges were merged with UNAM, the academic year 2014 saw the full implementation of the Faculty of Education's Bachelor of Education in Pre- and Lower as well as Upper Primary degrees. The merger came when there was a belief that Diplomas which the Colleges had hitherto been offering were no longer meeting the quality needs of teachers in the country. A significant proportion of stakeholders wanted UNAM to train teachers at degree level and beyond.

However, in order to meet the high demand for teachers in our country, especially at primary level, there may be need to continue offering diploma

courses for specific teachers. It became increasingly apparent that UNAM has a wide enough network of facilities to meet this demand for teachers. The University of Namibia, at the request of Government, reintroduced a diploma programme for some teachers during the review period. We hope that this will enable those teachers to articulate into degree programmes should they so wish. It is our firm belief that by taking this route we would be responding to the needs of our education sector in a timely manner. We will not replicate how teacher training was done in the past. We took a strategic view to this diploma so that teachers who graduate are specialists in given areas that include mathematics and science. That is why the Hifikepunye Pohamba Campus is being developed into a centre of excellence for mathematics and science teacher training.

The Oshakati campus opened its doors for the first time to a diploma in Computer Science during 2014 and enrolled 16 students. The Bachelor of Business Administration (Honours) and the Diplomas in Entrepreneurship and New Venture Management were offered for the first time at the Southern Campus.

The ever expanding Faculty of Engineering and IT at Ongwediva made significant progress during the year under review. It reached yet another milestone through the completion of the India Wing which will house the Civil Engineering and Library and Mining Engineering Departments. The Faculty graduated its second cohort of professional engineers this year. As if that is not good enough, the Engineering Faculty started offering a Master's degree in Civil Engineering. This is a mark of success. We are moving forward not only as a university but also as a knowledge based society.

The following programmes were developed for implementation in 2015 by the Namibia Business School in conjunction with the industry: Executive Certificate in Project Management; Executive Diploma for New Managers; Executive Diploma for Middle Managers; and the Executive Diploma for Senior Managers. These are expected to be approved by Senate during 2015.

New to the Faculty of Science was the School of Military Science offering the BSc honours degree in military science (aeronautical, army, nautical). The programme was developed at the behest of the Ministry of Defence. All over the world, warfare and peace enforcement have ceased to be confined to the trenches. They have become more sophisticated and require more complex training, skills and the use of technology. For UNAM, launching this degree in military science was a challenge but not an insurmountable one. First of all, some of the soldiers lacked sufficient scientific background to fully undertake this degree programme. Therefore, to prepare them UNAM introduced a preparatory course for the soldiers to respond to their needs. Our hope is that when this course is fully functional, our students in the Faculty of Science can opt to join the military and become officers eventually. We envisage that it would also allow for further specialisation in our military.

In 2014, the Department of Geology introduced the course work for a new Masters in applied geology with two majors: economic and exploration geology and hydrogeology, and environmental geology.

In order to support the growing Namibian tourism sector, UNAM introduced a degree programme in Wildlife Management and Ecotourism, at the Katima Mulilo

campus in the Zambezi Region. The institution went through all the steps of developing this programme to its implementation, admitted students and hired staff. Teaching and learning proceeded in even tenor during the review period. To support ecotourism and in particular to conserve not only the environment but also the wild animals that attract tourists and trophy hunters, UNAM also set up a laboratory on animal health. This endeavour contributes immensely towards eradicating many animal diseases that endanger not only the animals, but also the very livelihood of the people in that region.

INTERNATIONAL COLLABORATION

The University of Namibia's Regional Connect Project successfully created a functional and successful helix of academia, government, private and civil society. This makes UNAM a gateway for SADC researchers and innovators, enabling them to showcase their research whilst tapping into key innovation centres around the world. Regional Connect is a collaborative partnership between the Research Institute for Innovation and Sustainability (RIIS) in South Africa, the National Business Technology Centre (NTBC) in Zambia, Eduardo Mondlane University (UEM) in Mozambique and the University of Namibia.

In another extension of the long standing relationship between Namibia and Cuba, the University of Namibia and Universidad de la Ciencias Informaticas (UCI) of Cuba, signed an agreement of cooperation on matters of IT Education at the two institutions.

RESEARCH

A university without postgraduate programmes cannot convincingly claim that it does research. The University of Namibia is variously engaged in a number of research

A university without postgraduate programmes cannot convincingly claim that it does research. The University of Namibia is variously engaged in a number of research activities and the bulk of publications internationally attributed to Namibia come from UNAM.

More importantly, through research and development (R&D), it will lead to innovation and product development, provided, of course, more funds are made available for research as only a robust research will lead to value addition and industrialisation. But, for this to happen, collective concerted national effort needs to be made to ensure successful outcomes. That means, even if academics reach a scientific breakthrough, the results of such a discovery will remain meaningless if both government and UNAM have no mechanisms in place to facilitate the involvement of the industry.



activities and the bulk of publications internationally attributed to Namibia come from UNAM.

More importantly, through research and development (R&D), it will lead to innovation and product development, provided, of course, more funds are made available for research as only a robust research will lead to value addition and industrialisation. But, for this to happen, collective concerted national effort needs to be made to ensure successful outcomes. That means, even if academics reach a scientific breakthrough, the results of such a discovery will remain meaningless if both government and UNAM have no mechanisms in place to facilitate the involvement of the industry.

UNAM continued to benchmark itself with world-class research laboratories training young upcoming researchers on techniques for discovery of new medicinal treatments for malaria and cancer. This research being conducted at postgraduate and undergraduate levels is meant to take advantage of Namibia's endowment of diverse plant resources to the benefit of all communities. The capacity to conduct preclinical evaluation of medicinal plants for efficacy and safety in living organisms is the latest advance, which will see translational research (from research bench to potential products) being conducted on Namibian soil.

Collaboration between the Multidisciplinary Research Centre (MRC), the Faculty of Science and the Schools of Medicine and Pharmacy allows UNAM to conduct this important research in-house without outsourcing it and compromising the University's intellectual property rights. By using *in vivo* models for toxicology and

efficacy testing researchers will formulate and optimise plant-based malaria treatments for prophylactic and curative use.

Collaborative research is the hallmark of institutions of higher learning in the modern world. UNAM is part of the global research network to address issues of national importance such as malaria elimination in Namibia by 2020. UNAM is the focal point of research towards this initiative teaming up with the MoHSS National Vector-borne Disease Control Programme, the University of California at San Francisco (UCSF) Global Health Group, the London School of Tropical Hygiene and Medicine and Clinton Health Access Initiative.

Research on reactive case detection of malaria and identification of risk factors for malaria transmission were expanded in the Ohangwena, Omusati and Zambezi regions. In addition, pioneering work on diagnosis of malaria using molecular tools is being piloted using LAMP. Malaria is a scourge on the Namibian population and beyond. UNAM is building capacity and expertise to mitigate against this in Namibia and our experiences will benefit the entire sub-region as all eyes are on Namibia to eliminate malaria.

The MRC successfully hosted the first Namibia Malaria Elimination Symposium and the Southern Africa Society for Disaster Reduction (SASDIR) Conference during the review period. A number of research outputs were presented at the said platforms attended by local, regional and international research partners, governmental and developmental agencies and other stakeholders. These platforms were also used to network and form strong research partnerships.

The Research and Publications Office (RPO) facilitated several external research collaborations during the year under review. The National Commission on Research, Science and Technology (NCRST), under the Namibia/South Africa Collaborative Research Programme, made funding available for 17 research projects that involved several academic staff members and students at the University. These 17 approved projects are currently administered and managed by the RPO and are funded to the tune of N\$3 million over a two-year period. UNAM researchers also responded to the First National Call for Proposals by the NCRST published during the year. A total of 15 projects were approved. (worth N\$4,6 million over two years)

Research will also continue towards domesticating the marama bean, develop products from medicinal mushrooms, while our Faculty of Agriculture will work towards increasing rice production, introduce new millet varieties, grow lucerne to support the livestock industry and introduce artificial insemination of chickens and cattle.

Table 1A: Faculties & Centres Academic Staff

Faculty / Centre	Male	Female	Namibians	Non-Namibians	Total
Agriculture and Natural Resources	42	29	56	15	71
Economic and Management Science	29	15	40	4	44
Education	99	103	187	15	202
Engineering and Information Technology	32	4	20	16	36
Health Science - <i>School of Medicine</i>	23	13	8	28	36
Health Science - <i>School of Pharmacy</i>	5	4	6	3	9
Health Science - <i>School of Nursing Science and Public Health</i>	8	49	54	3	57
Humanities and Social Sciences	41	46	72	15	87
Law	9	6	11	4	15
Science	89	55	108	36	144
Centre for External Studies	8	7	15	0	15
Language Centre	9	8	16	1	17
University Central Consultancy Bureau	1	0	1	0	1
Oshakati Campus	9	23	29	3	32
Library	7	21	24	4	28
Centre for Quality Assurance and Management	1	0	1	0	1
Sam Nujoma Marine and Coastal Resources Research Centre	11	5	15	1	16
Multi Disciplinary Research Centre	10	4	14	0	14
Total Faculties and Centres Academic Staff	433	392	677	148	825

Table 1B: Faculties and Centres Support and Administrative Staff

Faculty / Centre	Male	Female	Namibians	Non-Namibians	Total
Agriculture and Natural Resources	75	39	114	0	114
Economic and Management Science	2	4	6	0	6
Education	57	54	111	0	111
Engineering and Information Technology	11	8	19	0	19
Health Science - <i>School of Medicine</i>	1	4	3	2	5
Health Science - <i>School of Nursing Science and Public Health</i>	2	4	6	0	6
Humanities and Social Sciences	3	3	6	0	6
Law	2	4	6	0	6
Science	0	7	7	0	7
Centre for External Studies	6	21	27	0	27
Language Centre	1	3	4	0	4
Multi Disciplinary Research Centre	0	2	2	0	2
Sam Nujoma Marine and Coastal Resources Research Centre	4	1	5	0	5
University Central Consultancy Bureau	14	19	33	0	33
Oshakati Campus	15	18	33	0	33
Centre for Quality Assurance and Management	6	2	8	0	8
Teaching and Learning Unit	0	2	2	0	2
Postgraduate Studies Unit	0	3	3	0	3
HIV /AIDS Unit	0	1	1	0	1
eLearning and Interactive Multimedia Unit	2	1	3	0	3
Centre for Professional Development	2	2	4	0	4
Research and Publications Office	0	2	2	0	2
UNAM Press	0	4	4	0	4
Total Faculties and Centres Support and Administrative Staff	203	208	409	2	411

Table 1C: Central Administrative Staff

Faculty / Centre	Male	Female	Namibians	Non-Namibians	Total
Office of the Vice Chancellor	2	2	4	0	4
Office of the PVC (Academic Affairs and Research)	1	1	2	0	2
Office of the PVC (Administration and Finance)	1	1	2	0	2
Office of the Registrar	5	14	19	0	19
Office of the Bursar	17	23	40	0	40
External and International Relations Office	1	1	2	0	2
Human Resources Directorate	5	21	26	0	26
Communication and Marketing	4	4	8	0	8
Estate Services	46	11	56	1	57
Computer Centre	14	3	17	0	17
Dean of Students	7	14	21	0	21
Library	17	45	62	0	62
UNAM Foundation	1	6	7	0	7
Strategic and Physical Planning Office	3	1	4	0	4
Internal Auditing	2	1	3	0	3
Office of the Legal Advisor	0	3	3	0	3
Investigations Unit	1	1	2	0	2
Total Central Administrative Staff	127	152	278	1	279
GRAND UNIVERSITY TOTAL	763	752	1 364	151	1 515





Table 2: University Staff on Training for 2014

FACULTY/UNIT	PhD	Master's Degree	Bachelor's Degree	Others	Total Female	Total Male	TOTAL
Faculty of Agriculture and Natural Resources	11	4	2	3	8	12	20
Faculty of Economic and Management Sciences	5	3	1	-	4	5	9
Faculty of Education	26	31	2	-	32	27	59
Faculty of Humanities and Social Sciences	9	3	1	-	10	3	13
Law	4	-	-	-	1	3	4
School of Nursing	6	2	1	1	9	1	10
Science and ZERI	16	13	1	-	21	9	30
CES	1	2	3	1	3	3	6
Language Centre	3	1	1	1	3	3	6
Oshakati Campus	3	-	-	-	2	1	3
Admin Staff	4	10	25	16	35	20	55
Sam Nujoma Campus	-	-	-	-	-	-	-
ILRC	3	4	22	2	20	11	31
MRCC	4	1	1	-	3	3	6
TLIU	-	1	-	-	1	-	1
Strategic Planning	1	-	1	-	1	1	2
Engineering & IT	5	5	3	-	3	10	13
School of Medicine	3	1	-	1	2	3	5
Computer Centre	-	-	4	1	2	3	5
TOTAL	104	81	68	26	161	118	279

*Mr Alois Fledersbacher
Registrar
University of Namibia*

OVERALL STUDENT ENROLMENT

Student enrolment for the 2014 academic year stood at 19 506, an increase of 11% compared to the previous year. The number of full and part-time students increased to 15 753, an increase of 9% compared to the previous year. In addition, the University enrolled a total of 3 753 students through the mode of distance teaching, an increase of 22% compared to 2013.

A total of 1 735 international students registered for full and part-time studies at the University, which implies that 11% of the student population comprised international students. It is worth noting that 204 international students did their programmes through the mode of distance teaching. Thus, a total of 1 939 international students registered at UNAM during the period under review. UNAM registered international students from 40 different countries (compared to 37 different countries the previous year) for full and part-time studies. An additional 204 international students from 19 different countries (compared to 8 different countries the previous year) opted to study through the mode of distance teaching.

Of the 15 753 full and part-time students enrolled at UNAM, the majority, namely 62%, were females. Through the mode of distance teaching however, the females registered were 66%.

UNAM registered a total of 14 097 students for Bachelor (Honours) degree programmes, and 611 students for Postgraduate Diplomas. It is interesting to note that UNAM registered a total of 601 students who were pursuing a Masters' Degree programme, which was an increase of 8% compared to the previous year under review (65 were international students). All 8 Faculties registered PhD candidates – 137 students pursued a Doctorate degree programme (32 were international students).

OVERVIEW OF KEY ACTIVITIES BY THE REGISTRAR



Table 3: Enrolment per Faculty/School

FACULTY/SCHOOL	Qualification	Namibian	Non-Namibian	Female	Male	TOTAL
Agriculture & Natural Resources	Doctorate	2		1	1	2
	Doctorate Research Proposal	4	2	1	5	6
	Masters	5	1	5	1	6
	Masters Research Proposal	7	1	3	5	8
	Bachelor (Honours) Degree	397	28	242	183	425
	Diploma	247		128	119	247
	Non-degree Purposes		1	1		1
Agriculture & Natural Resources Total		662	33	381	314	695
Economic & Management Sciences	Doctorate	29	3	5	27	32
	Doctorate Research Proposal	8	3	3	8	11
	Masters	201	30	113	118	231
	Masters Research Proposal	2		2		2
	Post-Grad Diploma	206	9	120	95	215
	Bachelor (Honours) Degree	1 379	625	1 116	888	2 004
	Diploma	684	31	413	302	715
	Certificate	102	4	64	42	106
Non-degree Purposes	5	2	3	4	7	
Economic & Management Sciences Total		2 616	707	1 839	1484	3 323
Education	Doctorate	3		2	1	3
	Doctorate Research Proposal	9	1	5	5	10
	Masters	139	3	92	50	142
	Post-Grad Diploma	3			3	3
	Bachelor (Honours) Degree	4 644	38	3 021	1661	4 682
	Diploma	140	8	111	37	148
	Non-degree Purposes	1	1	2		2
Education Total		4 939	51	3233	1757	4 990

FACULTY/SCHOOL	Qualification	Namibian	Non-Namibian	Female	Male	TOTAL
Engineering & Information Technology	Doctorate		2	1	1	2
	Masters	3	1		4	4
	Bachelor (Honours) Degree	181	83	55	209	264
	Foundation Programme	84	29	35	78	113
Engineering & It Total		268	115	91	292	383
FHS: School of Medicine	Bachelor (Honours) Degree	290	53	236	107	343
FHS: School of Medicine Total		290	53	236	107	343
FHS: School of Pharmacy	Bachelor (Honours) Degree	77	30	77	30	107
FHS: School of Pharmacy Total		77	30	77	30	107
FHS: School of Nursing & Public Health	Doctorate	8	2	7	3	10
	Doctorate Research Proposal	10		8	2	10
	Masters	40	8	36	12	48
	Post-Grad Diploma	27	1	26	2	28
	Post-Grad Certificate	12		11	1	12
	Bachelor (Honours) Degree	699	37	627	109	736
	Diploma	193		140	53	193
FHS: School of Nursing & Public Health Total		992	48	858	182	1 040
Humanities and Social Sciences	Doctorate	10	3	10	3	13
	Doctorate Research Proposal	6	4	5	5	10
	Masters	58	12	47	23	70
	Post-Grad Diploma		2	1	1	2
	Bachelor (Honours) Degree	1 327	385	1 232	480	1 712
	Diploma	197	10	141	66	207
	Non-degree Purposes	6	16	17	5	22
Humanities and Social Sciences Total		1604	432	1 453	583	2 036

FACULTY/SCHOOL	Qualification	Namibian	Non-Namibian	Female	Male	TOTAL
Law	Doctorate		1		1	1
	Doctorate Research Proposal	1	2	1	2	3
	Masters	3	1	1	3	4
	Masters Research Proposal	3		1	2	3
	Bachelor (Honours) Degree	670	53	414	309	723
	Diploma	137	7	78	66	144
Law Total		814	64	495	383	878
Science	Doctorate	10	3	9	4	13
	Doctorate Research Proposal	5	6	3	8	11
	Masters	61	5	42	24	66
	Masters Research Proposal	14	3	8	9	17
	Bachelor (Honours) Degree	1 231	173	747	657	1 404
	Diploma	184	10	79	115	194
	Non-degree Purposes	5	1	3	3	6
Science Total		1 510	201	891	820	1 711
UNAM Foundation Programme	Foundation Programme	246	1	146	101	247
UNAM Foundation Programme Total		246	1	146	101	247
Total (Full- & Part-Time)		14 018	1 735	9 700	6 053	15 753
Centre For External Studies	Post-Grad Bachelor	26		23	3	26
	Post-Grad Diploma	356	7	237	126	363
	Bachelor (Honours) Degree	1 527	170	1 092	605	1 697
	Diploma	1 188	19	802	405	1 207
	Certificate	438	6	308	136	444
	Non-degree Purposes	14	2	9	7	16
Total (Distance Teaching)		3 549	204	2 471	1 282	3 753
GRAND TOTAL		17 567	1 939	12 171	7 335	19 506

Student enrolment for the 2014 academic year stood at 19 506, an increase of 11% compared to the previous year.



STUDENT ENROLMENT PER REGION

All regions within Namibia were represented through enrolments at UNAM. The Khomas region attracted most students, namely 4 273 for full and part-time studies, followed by the Omusati region with 2 101 students.

The UNAM Main Campus attracted most students for distance teaching, namely 1 424, followed by the UNAM Oshakati Centre (at the Oshakati Campus) with 926 students.

Table 4: Enrolment per Region in Namibia (Full- & Part-time)

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
ZAMBEZI	Agriculture & Natural Resources	30	53	83
	Economic & Management Sciences	80	79	159
	Education	245	278	523
	Engineering & It	3	16	19
	FHS: School of Medicine	8	3	11
	FHS: School of Pharmacy	-	1	1
	FHS: School of Nursing & Public Health	22	5	27
	Humanities and Social Sciences	77	42	119
	Law	18	14	32
	Science	30	42	72
	UNAM Foundation Programme	5	5	10
Total		518	538	1 056
ERONGO	Agriculture & Natural Resources	13	11	24
	Economic & Management Sciences	91	50	141
	Education	81	23	104
	Engineering & It	5	13	18
	FHS: School of Medicine	11	6	17
	FHS: School of Pharmacy	4	1	5
	FHS: School of Nursing & Public Health	32	4	36
	Humanities and Social Sciences	72	19	91
	Law	29	20	49
	Science	48	42	90
	UNAM Foundation Programme	5	4	9
Total		391	193	584

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
HARDAP	Agriculture & Natural Resources	5	3	8
	Economic & Management Sciences	27	20	47
	Education	49	15	64
	Engineering & It		5	5
	FHS: School of Medicine	9	4	13
	FHS: School of Pharmacy	2	1	3
	FHS: School of Nursing & Public Health	19	1	20
	Humanities and Social Sciences	25	5	30
	Law	23	8	31
	Science	13	17	30
	Unam Foundation Programme	1	2	3
Total		173	81	254
KARAS	Agriculture & Natural Resources	5	6	11
	Economic & Management Sciences	37	24	61
	Education	47	21	68
	Engineering & It	2	5	7
	FHS: School of Medicine	4	1	5
	FHS: School of Pharmacy	2		2
	FHS: School of Nursing & Public Health	15	8	23
	Humanities and Social Sciences	28	8	36
	Law	22	10	32
	Science	14	18	32
	Unam Foundation Programme	5		5
Total		181	101	282

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
KAVANGO (East/West)	Agriculture & Natural Resources	11	16	27
	Economic & Management Sciences	86	85	171
	Education	305	369	674
	Engineering & It	2	13	15
	FHS: School of Medicine	8	7	15
	FHS: School of Pharmacy	4	4	8
	FHS: School of Nursing & Public Health	34	26	60
	Humanities and Social Sciences	38	22	60
	Law	10	11	21
	Science	24	47	71
Unam Foundation Programme	4	4	8	
Total		526	604	1 130
KHOMAS	Agriculture & Natural Resources	69	62	131
	Economic & Management Sciences	656	499	1 155
	Education	634	237	871
	Engineering & It	8	34	42
	FHS: School of Medicine	84	41	125
	FHS: School of Pharmacy	14	3	17
	FHS: School of Nursing & Public Health	186	40	226
	Humanities and Social Sciences	552	181	733
	Law	227	223	450
	Science	273	226	499
Unam Foundation Programme	11	13	24	
Total		2 714	1 559	4 273

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
KUNENE	Agriculture & Natural Resources	8	8	16
	Economic & Management Sciences	13	13	26
	Education	33	10	43
	Engineering & It	1		1
	FHS: School of Medicine	1	1	2
	FHS: School of Pharmacy	1	1	2
	FHS: School of Nursing & Public Health	10	5	15
	Humanities and Social Sciences	11	5	16
	Law	3	1	4
	Science	8	8	16
Unam Foundation Programme	2	2	4	
Total		91	54	145
OHANGWENA	Agriculture & Natural Resources	46	24	70
	Economic & Management Sciences	59	35	94
	Education	436	183	619
	Engineering & It	9	23	32
	FHS: School of Medicine	3	1	4
	FHS: School of Pharmacy	1	3	4
	FHS: School of Nursing & Public Health	121	26	147
	Humanities and Social Sciences	41	21	62
	Law	7	5	12
	Science	64	49	113
Unam Foundation Programme	23	21	44	
Total		810	391	1 201

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
OMAHEKE	Agriculture & Natural Resources	4	11	15
	Economic & Management Sciences	39	26	65
	Education	18	23	41
	Engineering & It	2	5	7
	FHS: School of Medicine	4		4
	FHS: School of Nursing & Public Health	6		6
	Humanities and Social Sciences	24	12	36
	Law	5	7	12
	Science	11	8	19
	Unam Foundation Programme	1	2	3
Total		114	94	208
OMUSATI	Agriculture & Natural Resources	85	39	124
	Economic & Management Sciences	143	85	228
	Education	623	253	876
	Engineering & It	15	34	49
	FHS: School of Medicine	36	9	45
	FHS: School of Pharmacy	18	5	23
	FHS: School of Nursing & Public Health	188	23	211
	Humanities and Social Sciences	143	38	181
	Law	43	18	61
	Science	155	101	256
	Unam Foundation Programme	29	18	47
Total		1 478	623	2 101

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
OSHANA	Agriculture & Natural Resources	68	37	105
	Economic & Management Sciences	160	97	257
	Education	553	218	771
	Engineering & It	21	32	53
	FHS: School of Medicine	18	10	28
	FHS: School of Pharmacy	7	2	9
	FHS: School of Nursing & Public Health	127	24	151
	Humanities and Social Sciences	94	32	126
	Law	39	17	56
	Science	121	82	203
	Unam Foundation Programme	40	18	58
Total		1 248	569	1 817
OSHIKOTO	Agriculture & Natural Resources	17	8	25
	Economic & Management Sciences	40	30	70
	Education	107	72	179
	Engineering & It	4	10	14
	FHS: School of Medicine	4		4
	FHS: School of Pharmacy		1	1
	FHS: School of Nursing & Public Health	28	2	30
	Humanities and Social Sciences	35	11	46
	Law	7	6	13
	Science	25	21	46
	Unam Foundation Programme	16	9	25
Total		283	170	453

REGION OF ORIGIN	Faculty/School	Female	Male	TOTAL
OTJOZONDJUPA	Agriculture & Natural Resources	9	14	23
	Economic & Management Sciences	78	64	142
	Education	67	39	106
	Engineering & It		6	6
	FHS: School of Medicine	13	4	17
	FHS: School of Pharmacy	2		2
	FHS: School of Nursing & Public Health	31	9	40
	Humanities and Social Sciences	49	19	68
	Law	22	19	41
	Science	36	27	63
	Unam Foundatlon Programme	4	2	6
Total		311	203	514

GRAND TOTAL	8 838	5 180	14 018
--------------------	--------------	--------------	---------------

Table 5: Enrolment per UNAM Regional Centre (Distance Teaching)

Namibian/Non-Namibian	UNAM Regional Centre	Total
Namibian	EENHANA	175
	GOBABIS	83
	KATIMA MULILO	185
	KHORIXAS	35
	OSHAKATI	908
	OTJIWARONGO	133
	RUNDU	347
	KEETMANSHOOP	128
	SWAKOPMUND	166
	TSUMEB	131
	WINDHOEK	1258
Namibian Total		3 549
Non-Namibian	EENHANA	2
	GOBABIS	1
	KATIMA MULILO	3
	OSHAKATI	18
	OTJIWARONGO	1
	RUNDU	1
	KEETMANSHOOP	3
	SWAKOPMUND	6
	TSUMEB	3
	WINDHOEK	166
Non-Namibian Total		204
GRAND TOTAL		3 753

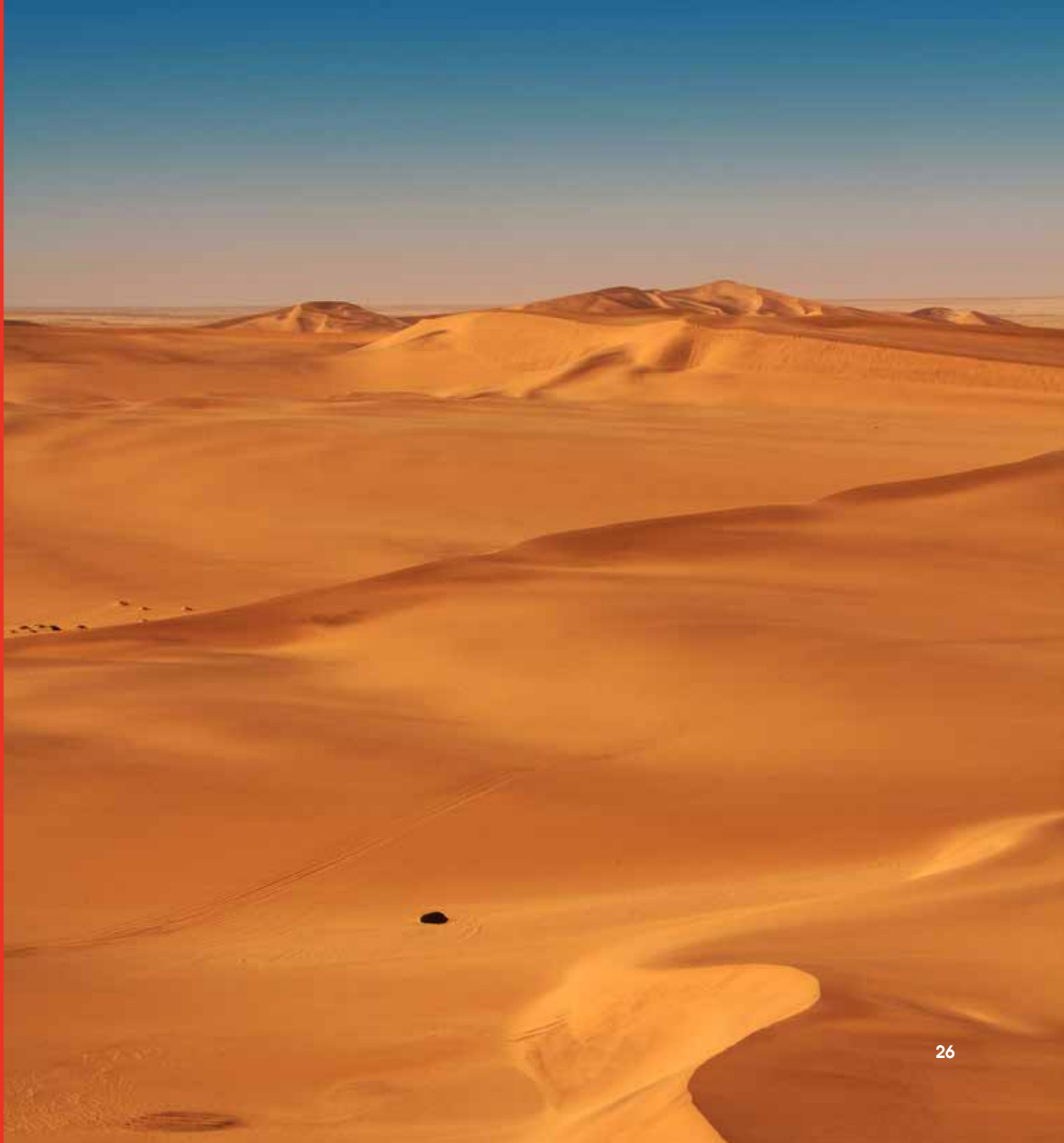
STUDENT ENROLMENT PER CAMPUS (FULL AND PART-TIME)

The University of Namibia had 12 Campuses spread strategically all over Namibia during the period under review. The twelfth Campus, namely Southern Campus in Keetmanshoop, started operating during the year under review. The Windhoek Main Campus attracted the most, namely 10 363 full and part-time students, followed by the Hifikepunye Pohamba Campus in Ongwediva with 1 399, and the Rundu Campus with 881 full and part-time students.

Table 6: Enrolment per Campus (Full- & Part-time)

NAMIBIAN/NON-NAMIBIAN	CAMPUS	TOTAL
Namibian	SAM NUJOMA	41
	HIFIKEPUNYE POHAMBA	1 392
	KATIMA MULILO	528
	KHOMASDAL	832
	NEUDAMM	155
	OGONGO	262
	JOSE EDUARDO DOS SANTOS	181
	OSHAKATI	490
	RUNDU	876
	SCHOOL OF MEDICINE	367
	SOUTHERN	42
	WINDHOEK MAIN	8 852
Namibian Total		14 018
Non-Namibian	SAM NUJOMA	8
	HIFIKEPUNYE POHAMBA	7
	KATIMA MULILO	2
	KHOMASDAL	10
	NEUDAMM	9
	OGONGO	3
	JOSE EDUARDO DOS SANTOS	83
	OSHAKATI	11
	RUNDU	5
	SCHOOL OF MEDICINE	83
	SOUTHERN	3
	WINDHOEK MAIN	1 511
Non-Namibian Total		1 735

NAMIBIAN/NON-NAMIBIAN	CAMPUS	TOTAL
Overall	SAM NUJOMA	49
	HIFIKEPUNYE POHAMBA	1 399
	KATIMA MULILO	530
	KHOMASDAL	842
	NEUDAMM	164
	OGONGO	265
	JOSE EDUARDO DOS SANTOS	264
	OSHAKATI	501
	RUNDU	881
	SCHOOL OF MEDICINE	450
	SOUTHERN	45
	WINDHOEK MAIN	10 363
Grand Total		15 753



GRADUATION

A total of 2 767 candidates graduated from UNAM during the academic year under review, an increase of 25% compared to the previous year.

It is also interesting to note that, in terms of gender, 67% of the graduates were female.

A total of 126 Certificates, 554 Diplomas, 1 796 Bachelor (Honours) degrees, 164 Postgraduate Diplomas, and 60 Masters degrees were conferred during the year under review.

The highlight was the conferment of 6 Doctorate degrees to female graduates – 1 within the Faculty of Humanities and Social Sciences, 2 within the Faculty of Health Sciences (School of Nursing and Public Health), and 3 within the Faculty of Science.

A total of 279 international students from 15 different countries graduated from UNAM. The number of international students that graduated increased by 56% compared to the previous year under review.

Zimbabwe had the most candidates, namely 110, followed by Zambia with 96, Botswana with 25, and Angola with 18.

Table 7: Graduates per Faculty/School

FACULTY/SCHOOL	Qualification	Female	Male	TOTAL
AGRICULTURE & NATURAL RESOURCES	Masters	3	1	4
	Bachelor (Honours)	41	19	60
	Diploma	27	18	45
Total		71	38	109
ECONOMIC & MANAGEMENT SCIENCES	Masters	7	9	16
	Postgrad Diploma	49	23	72
	Bachelor (Honours)	203	121	324
	Certificate	57	39	96
	Diploma	75	46	121
Total		391	238	629
EDUCATION	Masters	4	4	8
	Postgrad Diploma	46	32	78
	Bachelor (Honours)	444	232	676
	Diploma	51	10	61
Total		545	278	823
ENGINEERING & INFORMATION TECHNOLOGY	Bachelor (Honours)	15	37	52
Total		15	37	52
HEALTH SCIENCES				
SCHOOL OF PHARMACY	Bachelor (Honours)	10	4	14
Total		10	4	14
SCHOOL OF NURSING & PUBLIC HEALTH	Doctorate	2		2
	Masters	3	1	4
	Postgrad Bachelor	7	3	10
	Postgrad Diploma	14		14
	Bachelor (Honours)	144	24	168
	Diploma	49	13	62
Total		219	41	260

FACULTY/SCHOOL	Qualification	Female	Male	TOTAL
HUMANITIES AND SOCIAL SCIENCES	Doctorate	1		1
	Masters	6	1	7
	Bachelor (Honours)	201	58	259
	Certificate	25	5	30
	Diploma	123	40	163
Total		356	104	460
LAW	Masters		1	1
	Bachelor (Honours)	57	25	82
	Bachelor	24	27	51
	Diploma	25	23	48
Total		106	76	182
SCIENCE	Doctorate	3		3
	Masters	13	7	20
	Bachelor (Honours)	97	64	161
	Diploma	24	30	54
Total		137	101	238
GRAND TOTAL		1 850	917	2 767

Table 8: Graduates - International students

COUNTRY	Female	Male	TOTAL
Angola	8	10	18
Botswana	17	8	25
Burundi	-	1	1
Congo	1	-	1
Democratic Rep. Of The Congo	-	1	1
Germany	1	1	2
Kenya	2	3	5
Malawi	3	1	4
Nigeria	3	2	5
South Africa	1	-	1
Swaziland	1	1	2
Tanzania	3	2	5
Uganda	2	1	3
Zambia	59	37	96
Zimbabwe	58	52	110
GRAND TOTAL	159	120	279





Activities
**OF FACULTIES,
SCHOOLS & CAMPUSES**

FACULTY OF AGRICULTURE AND NATURAL RESOURCES

Dean:

Prof Fransisco Mause



INTRODUCTION

Access to adequate nutrition remains an elusive subject for many African countries. The Faculty of Agriculture and Natural Resources equips students with the necessary skills to FIND better solutions to the nutritional challenges of this century.

The Faculty of Agriculture and Natural Resources is unique in that it houses several departments which are spread across Namibia. They are distributed throughout the UNAM satellite campuses as follows: Department of Agricultural Economics and Extension as well as the Department of Animal Science (Neudamm Campus); Department of Crop Science (Ogongo Campus); Department of Fisheries and Aquatic Sciences (Sam Nujoma Campus); Department of Food Science and Technology (Neudamm Campus); Department of Integrated Environmental Science (Ogongo Campus); Department of Wildlife Management and Ecotourism (Katima Mulilo Campus); Department of Veterinary Medicine (Neudamm and Katima Mulilo Campuses)

The Faculty has four farms which are Ogongo, Neudamm, Doring Boom and Otjinakwi. Taking into consideration that the Faculty offers courses associated with hands on activities, the Ogongo and Neudamm farms serve as experimental farms where theoretical knowledge is demonstrated to students through practical examples. The same farms serve to produce agricultural products, field attachments, and educational short course training and farm activities demonstrations to communal farmers during the community outreach programmes. Generally the state of the farms is fairly good. However, bush encroachment on the Neudamm farm is a big challenge, which the Faculty is addressing.

ACADEMIC ACTIVITIES

The BSc (Honours) Agricultural Economics programme was successfully registered with the NQA. The 6-year full-fledged Bachelor of Veterinary Medicine programme was also launched with an initial intake of 30 students. Another success is that the restructured Bachelor of Veterinary Medicine curriculum was approved by both the Namibian Veterinary Council and Senate. As part of our capacity building and staff development, at least 12 of the academic staff received scholarships to pursue their academic journeys at Master and PhD levels. For example, Humboldt University, RUFORUM and National Commission on Research, Science and Technology availed funds in this regard.

RESEARCH AND PUBLICATION

Academic staff secured funds during the review period for projects that included the following:

- Rehabilitation of sand mining pits in north central Namibia. Funded by NCRST.
- The impact of Green Scheme Farming Models on agricultural productivity, household food security and technology adoption in Namibia.
- The microbiology of *Eendjeke* additive and their effect on fermented pearl millet flour research project funded by the National Commission on Research, Science and Technology (NCRST). Namib Mills is also involved in this project.
- The RUFORUM awarded research grants which were utilized for research and capacity building of two students at MSc level.
- The faculty was awarded research grants by the International Centre for Genetic Engineering and Biotechnology (ICGEB) based in Trieste, Italy registering the DFST as the first institution to receive this award in Namibia.

**FACULTY OF AGRICULTURE AND
NATURAL RESOURCES**



PEER REVIEWED JOURNAL ARTICLES

Thomas, B., Togarepi, C. & Simasiku, A. 2014. Analysis of the determinants of the sustainability of cattle marketing systems in the Zambezi region of north-eastern communal area of Namibia. *International Journal of livestock production*.

M. Angula, B, Thomas and B. Ijambo. 2014. Economic Analysis of Small scale vegetable production in North Central Namibia. *Universal Journal of Agricultural Research* 2 (5): 141-146.

Vellemu, E.C and Omoregie, E. (2014): Lead Pollution: A Growing Concern Along the Namibian Coastal Waters. *International Science and Technology Journal of Namibia*, 3 (1): 21 – 34.

Okeyo, D.O Kashea, M.M.; Kandjengo, L. (2014) The Feeding habits of the Giant African Bullfrog (Anura: Pyxicephalidae: *Pyxicephalus Adspersus* Tschudi, 1839) of the Cuvelai Drainage System in Northern Namibia. *International Science and Technology Journal of Namibia*, 4: 62-71.

Hiwilepo - van Hal, P., Bille, P. G., Verkerk. R. van Boekel, M. A. J. S. & Dekker, M., (2014). A review of the proximate composition and nutritional value of Marula (*Sclerocarya birrea* subsp. *caffra*). *Phytochemistry Reviews*: 13 (1), DOI 10.1007/s11101-014-9352-6.

Akundabweni Shadeya Levi. M., Munene Regina W. & Maina David. X-Ray Fluorescence-Analyzed Mineral Micronutrient Density Variation Among Kenyan Local Vegetables. *Sustainable Agriculture Research*; 2014, Vol. 3(2); 56-68.

Getahun, H., F. Itanna, M. Lemenih, F. Senbeta. 2014. Impacts of Land Use Changes on Soil Fertility, Carbon and Nitrogen Stock under Smallholder Farmers in Central Highlands of Ethiopia: Implication for Sustainable Agricultural Landscape Management around Butajira Area. *New York Science Journal* 7(2): 27-41.

Getahun Haile, Fisseha Itanna and Mulugeta Lemenih. 2014. Status of soil properties of scattered Faidherbia Albida (Del) in agricultural landscapes in Central Highland of Ethiopia. *African Journal of Agricultural Research*: 9 (46): 3379-3387.

M.I Lengarite, G. Getachew, L. Akudabweni, D. Hoag. 2014. Supplementary feeding of lactating goats with processed and unprocessed *Acacia tortilis* pods and local grass in the dry season in northern Kenya. *Agricultural Science Research Journal* 4(3); pp. 63- 71.

Percy Mashebe, Japhet Lyaku and Francisco Mause (2014). Occurrence of Ticks and Tick-Borne Diseases of Livestock in Zambezi Region: A review. *Journal of Agricultural Science*; Vol. 6. No.2.

F. Mause, F. Mabota and A. Bugalho (2014). Assessment of male infertility causes in Mozambique: A case study of working class patients by IVF at "Medicos Associados Clinica Cruz Azul" laboratory, Maputo. *International Journal of Science and Technology of Namibia*. Volume 3, (1) pp 100-106.

Francisco Mause, Japhet Lyaku, Edmond Beukes and Lazarus Nafenya (2014). Assessment on the effect of lignin as a feed additive for Lohmann Brown egg layer chickens: a case study at Neudamm farm, university of Namibia. *International Journal of Science and Technology*. Volume 4, (2), pp 31-35.

Kopij G. 2014. Unusual concentration of Red-billed Buffalo Weaver *Bubalornis niger* nests on pylons in northern Namibia. *Bulletin of the African Bird Club*, 21(1): 81-83.

Kopij G., Polit M. 2014. Seasonal variation in the clutch size and breeding success in the Barn Swallow *Hirundo rustica*, in relation to colony location and type of farm buildings occupied. *Alauda*, 82(1): 63-69.

Kopij G. 2014. Avian Assemblages in Urban Habitats in North-central Namibia. *International Science & Technology Journal of Namibia*, 3(1): 64-81.

Kopij G. 2014. Notes on the diet of birds in the Free State and Lesotho, southern Africa. *Ornithological Observations*, 5: 319-324.

Kopij G. 2014. Avian communities of a Mixed *Mopane-Acacia* Savanna in the Cuvelai Drainage System, North-Central Namibia, During the Dry and Wet Season. *Vestnik Zoologii*, 48(4): 269-274.

Kopij G. 2014. Namibia Wildlife Bibliography. Katima Mulilo: Department of Wildlife Management, UNAM; 100 pp. ISBN 9789994578924.

Kopij G. 2014. Distribution and numbers of breeding cormorants (Phalacrocoracidae) and herons (Ardeidae) in Lesotho. *South African Journal of Wildlife Research*, 44(2): 189-192.

Kopij G. 2014. Population densities of birds breeding in urbanized habitats in the Grabiszyn district in the city of Wrocław. *Acta Mus. Siles., Sci. Natur.*, 63: 139-150.

Kopij G. 2014. Awifauna łęgowa rezerwatu „Łacha-Jelcz”

I jego otuliny (woj. dolnośląskie) (Breeding birds of 'Lach Jelcz' nature reserve and its surroundings (Lower Silesia)), Parki Narodowe i Rezerваты Przyrody, 33(3): 25-32.

Kopij G. 2014. Ptaki lęgowe klina zieleni w gradiencie urbanizacji na Krzykach we Wrocławiu (Breeding birds in a green area in Krzyki, Wrocław). In: Indykiewicz P., Bohner J. (eds.). Animal, Man and the City – Interactions and Relationships. Urban Fauna, 6: 195-207.

Kopij G., Profus P. 2014. Występowanie i liczebność kuraków leśnych (Galliformes) na Śląsku w latach 2002-2014 i zmiany w ich liczebności na przestrzeni ostatnich 140 lat (Distribution and abundance of forest gallinaceous birds (Galliformes) in Silesia in 2002-2014 and changes in their abundance over the last 140 years). Chrońmy Przyrodę Ojczystą, 70(5): 387-409.

Kopij G. 2014. Die Vogelgemeinschaft des afro-montanen *Themeda-Festuca* Graslandes der endemitenreichen Drakensberg-Region, Südafrika (Avian assemblages in the *Festuca-Themeda* in the Drakensberg's endemic region, southern Africa). Ornithologische Mitteilungen, 66(3/4): 99-107.

Kopij G. 2014. Distribution and abundance of red squirrel *Sciurus vulgaris* in urbanised environment. Acta Mus. Siles. Sci. Natur., 63: 255-262.

Kopij G. 2014. The status of sparrows in Lesotho, southern Africa. International Studies in Sparrows, 38: 20-24.

Kopij G., Symens C. T., Bruyns R. 2014. Dietary overlap of co-occurring Barn Owl *Tyto alba* Scopoli and Spotted Eagle Owl *Bubo africanus* Temminck in urban and rural environments. Polish Journal of Ecology, 62(4): 801-805.

Kopij G. 2014. Lepidoptera fauna of Namibia. I: Seasonal distribution of moths of the Kaokoland (Mopane) Savanna in Ogongo, northern Namibia. Fragmenta Faunistica, 57(2): 127-139.

Kopij G. 2014. Breeding bird community of a large cemetery in a Central European city in 1969 and 40 years later (Brutvogelgemeinschaft eines grossen Friedhofs in einer mitteleuropäischen Stadt in Jahr 1969 und 40 Jahre später). Vogelwelt, 135: 55-62.

TECHNICAL REPORT

Mrs Hangula and Mr Maharero. The scope of procurement and the need and relevance of procurement finance in Namibia in collaboration with MRC.

Itanna F., O. Mbango, S. Angombe, N. Niipele, C. Mberema, H. Wanke, and E. Julies. 2014. Feasibility Study of the Omuthiya Agricultural Project. UCCB/UNAM.

Itanna, F. and P. Ausiku. 2014. Endombo Youth Project: Feasibility Study of the Endombo Project Site. UCCB/UNAM.

Nakanyala, J. 2014. Compiled one technical report for Government agency: Environmental Impact Assessment Scoping for Pyrolysis plant in Farm Sachsen, Windhoek. Ministry of Trade and Industries, Namibia (2014).

COMMUNITY SERVICE AND OUTREACH

The Faculty interacts with both large- and small-scale Farmers and those farming with livestock and crop, school learners, SMEs in agroprocessing, wildlife conservancies, to mention but a few. This is all done at all our campuses and surrounding areas. Activities included the following:

- Under the Securefish project, UNAM in conjunction with Wageningen University (IMARES) produced a HACCP manual for extruded fish products and produced a DVD to be used for training SMEs on production of cereal/ fish based snack product using a single screw extruder.
- A workshop was held in which communities were trained on solar assisted fish drying at Lake Lyambezi in Katima Mulilo using a solar dome drier whose design was adapted from Kenya Marine Fisheries Research Institute.
- A workshop was held for mentoring of livestock farmers in the Omusati region and this has been hailed a great success by the Meat board of Namibia.
- Lecturer-Farmer ongoing interaction on Rice-Mahangu Research Project.
- Department of Wildlife Management and Ecotourism at Katima Mulilo held stakeholders workshop in Nov 2014.
- UNAM Wildlife Research Farm at Kasheshe, Zambezi Region will be established on the communal land of the Kasheshe Community, about 20 km (in straight line) westwards of Katima Mulilo Campus. The Research Farm is characterized by good availability for both browsing and grazing species. There are about 150-250 plant species and more than 100-150 bird species. It, however, needs to be developed.
- Over 10 school visits/educational tour to Ogongo campus/farm, Neudamm, Zambezi
- Seminars conducted by Rice-Mahangu Research Project
- Rice harvesting Demonstrations: Ogongo Campus, Omundindi Village, Ombathi

- Follow-up workshop on Rice/pearl millet mixed cropping
- Hand Tiller operation workshops: Ogongo, Afoti Village
- Rice seedlings were distributed to farmers in Omusati, Ohangwena and Oshikoto Regions, including the Kavango-east Region at Oneyuva community project.

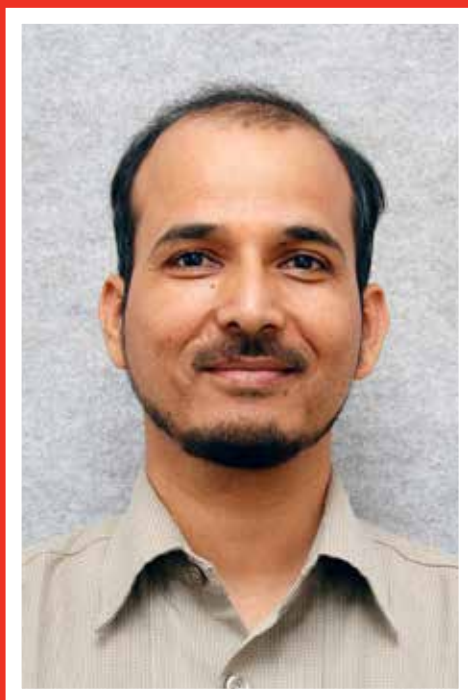




FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES

Dean:

Associate Prof Udai Paliwal



INTRODUCTION

Principally concerned with acquainting students with a complete understanding of how management, finance and the broader economics operate, the Faculty of Economic and Management Sciences offers Namibia a chance at prosperity.

The mission of the Faculty is to engage in partnership with major stakeholders in market relevant academic and technical training, research, community service and educational programmes; and to create conducive learning environment that provides for innovation, knowledge building, and development of professional and functional skills as well as market related competencies.

The Faculty working in support of the broader mission of the University of Namibia, and in response to National development needs, offers various academic programmes at graduate and undergraduate levels.

The Faculty of Economic and Management Sciences (FEMS), under the leadership of Associate Prof. UL Paliwal, Dean and Dr. E Kaakunga, Deputy Dean, has five (5) departments, namely Accounting, Auditing and Income Tax, Economics, Management Science, Political and Administrative Studies and the Namibia Business School. The respective HODs of these departments are Ms T Chata, Dr JM Nyambe, Mr M Tjueza, Dr B S Lwendo and Dr Tjirongo.

ACADEMIC ACTIVITIES

The Bachelor of Business Administration (Honours) and the Diploma in Entrepreneurship and New Venture Management were offered for the first time at the

Southern Campus. The Department of Political and Administrative Studies reviewed the MASSS programme extensively with input from the stakeholders.

The following programmes were developed for implementation in 2015 by the Namibia Business School for implementation: Executive Certificate in Project Management, Executive Diploma for New Managers, Executive Diploma for Middle Managers, and the Executive Diploma for Senior Managers.

The Faculty organised two curriculum review workshops to discuss the programme features with relevant stakeholders and received support letters for NQA accreditation. The various programmes offered by the faculty were submitted to NQA through CEQUAM for registration on the NQF.

The Faculty had 10 staff members on staff development status. The following appointments were made during the review period: one Professor, one Associate Professor in the Department of Political Sciences, two tutors and two lecturers in the Department of Accounting, and a lecturer and senior lecturer in the Department of Economics. In total eight new staff members were appointed in the Faculty.

RESEARCH AND PUBLICATIONS

FEMS staff represented the Faculty and University at various national and international platforms by presenting papers at conferences and participating in workshops and symposiums. The research topics deliberated upon by FEMS staff include, but are not limited to: Namibia's Foreign Relations, Foreign Aid and Economic Development, E-Commerce and Global

**FACULTY OF ECONOMIC AND
MANAGEMENT SCIENCES**



Competitiveness, Stock Market Development, oil consumption and economic growth, Mobilising domestic resources for development financing, Modeling private savings behaviour in a small open economy, relationship between government spending and economic growth, Integrated reporting, and factors that affect investment decisions in the tourism sector in Namibia.

To strengthen the research output apart from the department specific initiatives, a research and writing skills workshop was organised.

The Faculty also organised the 6th International Conference on Business and Finance during October. The conference was a collaborative effort between UNAM's Faculty of Economic and Management Sciences and the Shri Ram College of Commerce, the University of Delhi; the Faculty of Business, Cape Peninsula University of Technology, Cape Town; the Faculty of Law and Management, University of Mauritius and the School of Accounting, Finance and Economics, University of Technology, Mauritius.

RESEARCH AND PUBLICATIONS

Blaauw, L. 2014. "Beyond economic diplomacy: The interface of Namibia's foreign relations" in A. Bösl, A du Pisani and D. Zaire (eds.), *Namibia's Foreign Relations: Historic context, current dimensions, and perspectives for the 21st Century*. Windhoek: Macmillan Education Namibia.

Du Pisani, A. 2014. "Namibia's Foreign Relations and Security Policy: Explorations of a Critical nexus" in A. Bösl, A du Pisani and D. Zaire (eds.), *Namibia's Foreign Relations: Historic context, current dimensions, and perspectives for the 21st Century*. Windhoek: Macmillan Education Namibia.

Du Pisani, A. 2014. "Namibia and China: Profile and appraisal of a relationship." in A. Bösl, A du Pisani and D. Zaire (eds.), *Namibia's Foreign Relations: Historic context, current dimensions, and perspectives for the 21st Century*. Windhoek: Macmillan Education Namibia.

Bösl, A, Du Pisani, A. and Zaire, D. (eds) 2014. *Namibia's Foreign Relations: Historic context, current dimensions, and perspectives for the 21st Century*. Windhoek: Macmillan Education Namibia.

Esau Kaakunga, (2014). *Foreign Aid and Economic Development in Namibia*, in *Problems, Promises, and Paradoxes of Aid*, eds. Muna Ndulo and Nicolas van de Walle, Ohio University Press, Athens, OH, 2014.

Samahiya Muine & Esau Kaakunga (2014). Determinants of Commercial Banks' Interest rate Spread in Namibia: Econometric Exploration, *Botswana Journal of Economics*, forthcoming, *accepted for publication in the forthcoming edition of BOJE*

April, W.I. 9th Quest E-Commerce Global Competitiveness Conference at the University of Puerto Rico. San Juan: Puerto Rico. 13-14 March 2014.

Esau Kaakunga, (2014). Stock Market Development and Economic Growth in Namibia, *The Journal of American Business Review*, 3(1).

Erwee, SP "Student Wellness – Key to teaching success." Unpublished paper delivered at conference: Future of Education in Florence, Italy (2014).

Ziramba, E. & Chifamba, R.T. (2014). The J-curve dynamics of South African trade: Evidence from the ARDL approach, *European Scientific Journal*, Vol 10, pp. 1857-1881.

Ziramba, E. (2014). Causal dynamics between oil consumption and economic growth in South Africa, *Energy Sources, Part B: Economics, Planning, and Policy*. (Forthcoming)

Odhiambo, O & Ziramba, E. (2014). *Mobilising domestic resources for development financing in Namibia- Constraints and opportunities*. International Policy Centre for Inclusive Growth, UNDP, Working Paper number 127.

Prof. E. Ziramba With Honest Demure (2014). "Modeling private savings behavior in a small open economy: An autoregressive distributed lag (ARDL) approach" presented at the 6th International conference on Business and Finance, Arebbusch Travel Lodge, Windhoek, Namibia, 14-15 October 2014.

Ziramba, E. and Bahabwa Rushalika (2014). "An empirical study on the relationship between stock market development and economic growth in Namibia." presented at the 6th International conference on Business and Finance, Arebbusch Travel Lodge, Windhoek, Namibia, 14-15 October 2014.

Ziramba, E. and Christopher Shafuda (2014). "An examination of the relationship between government spending and economic growth in Namibia." presented at the 6th International conference on Business and Finance, Arebbusch Travel Lodge, Windhoek, Namibia, 14-15 October 2014.

E. Machaya (2014) – "Integrated reporting: how prepared are Namibian Stock Exchange listed Companies?" presented at the 6th International conference on Business and Finance, Arebbusch Travel Lodge, Windhoek, Namibia, 14-15 October 2014.

Milner Siboleka, Jacob M. Nyambe and Rigmar Osterkamp. (2014). Agriculture and Manufacturing sector growth in Namibia during the period 1981 to 2012: A Granger Causality Test, *British Journal of Economics, Management and Trade*, Vol 4(11), pp. 1700-1707.

Selma Karuaihe, Alfons Mosimane, Charles Nhemachena and Omu Kakujaha-Matundu. *Rural Water Access and Management Approaches in Southern Africa: Lessons from Namibia and South Africa* (2014). *Journal of Environmental Science and Engineering B3*, 332-344.

Kaulihowa, T. and Nyankomo M. (2014). Foreign direct investment, exports and economic growth: Evidence from Tanzania. Paper presented at the 6th International Conference on Business and Finance, Windhoek, Namibia 15-16 October

Kaulihowa, T. and Adjasi, C. (2014). FDI and Human Capital Development in Africa. Paper submitted for presentation at CSAE Conference, March 2015, Oxford University, UK .

Kaulihowa, T. and Adjasi, C. (2014). FDI and Poverty in Africa. Paper presented at the African Finance Journal Conference, Durban, South Africa .

Enhancing capacity to access, use and efficiently manage scarce water resources in rural communities: Experiences of Namibia and South Africa. A Joint project between UNAM MRC (Namibia) and Human Sciences Research Council (South Africa) – ongoing

S. A. Kalumbu and J. P. S. Sheefeni (2014). Terms of Trade and Economic Growth in Namibia. *International Review of Research in Emerging Markets and the Global Economy* Vol. 1(3), pp. 90-101, Available online at <http://globalbizresearch.org>

Paliwal, U. L. & Gamses, C. (2014). Measuring quality costs in higher education: A paper presented at 2014 ISIS-PARIS International Multidisciplinary Academic Conference. May 11- 13, 2014

Paliwal, U. L.; Olivier, M. & Tjiueza, S. (2014). Edited proceedings of 6th International Conference on Business and Finance (6th ICBF). October 14 – 16, 2014. University of Namibia; Faculty of Economic and Management Sciences

Paliwal, U. L.; Chata, T. & Tjiueza, S. (2014) "Contemporary Research in Accounting and Finance" ISBN: 978-99945-72-27-4; University of Namibia; Faculty of Economic and Management Sciences; Department of Accounting, Auditing and Income Tax

Paliwal, U. L.; Katjiuongua, O. & Gamses, C. (2014). An investigation of factors that affect investment decisions in the tourism sector in Namibia. A paper presented at International Conference on Economics, Education and Humanities (ICEEH'14), December 10-11, 2014, Bali, Indonesia

Katjiuongua, O., Paliwal, U.L., Gamses, C. (2014). Tourism investment in Namibia: perceptions of investors. *American International Journal of Research in Humanities, Arts and Social Sciences*. 9(1), December 2014-February 2015, pp. 01-07

COMMUNITY ENGAGEMENT

The Department of Accounting continued its National Accounting Talent Search Examination (NATS). The main aim of NATS is to create a strong relationship between the University and schools country-wide that are offering accounting and identify and nurture accounting talents from all over the country.

The Department of Economics and UNECONS organised a budget forum that took place in March. The event was organised jointly with Hans Seidel Foundation and consisted of presenters from IPPR, the Department of Economics, Faculty of Law at UNAM and NANGOF. Students and other invited guests benefitted from hearing how the new budget was going to impact on their livelihoods and budget lessons for the future.

Later again in the year, the Department of Economics and UNECONS organised the award winning ceremony for the best students. The event took place at NICE Restaurant in May. Certificates were awarded to the best students at the 2nd and 3rd year level.

The Department of Economics organised the first ever career and information day. Stakeholders from various corners of the economy were invited and presentations were made to our guests. Prof Erika Maass opened the session and encouraged events of such nature to be considered in future. She also advised the attendees on the importance of studying to make an impact in society. A representative from the Bank of Namibia, Mr E. Naimwaka, gave a keynote address on behalf the Bank. He shared his views on how the bank continued to seek qualified employees especially with postgraduate degrees in economics.

Other stakeholders such as NAMCOR and the Hans Seidel Foundation discussed the existing opportunities for students studying economics. The platform also gave impetus to the idea of introducing energy economics as a module in the Department of Economics.

Students were encouraged to pursue the MSc degree. Experiences from MSc students who returned from the

collaborative visit at the Kenyan School of Monetary Studies were shared and that became an eye opener to a number of students and visitors about how the Department is involved in external collaborative activities.

A meeting of stakeholders between the Department of Economics, UNECONS and Simonis Storm took place in September. Attendees were Dr Nyambe, Mr Sakaria Kalumbu, Mr Rodwell Tundu and from Simonis Storm, Mr Bruce Hansen and Mr Purvance Heuer. The partners discussed how students from the Department can be assisted to conduct their internships there and also how to assist them to consider entering the CFA programme.

In order to prepare for the collaborative conference and equip staff members with necessary writing skills, a two-day workshop was organised. According to FEMS coordinator for research and publications, Prof Piet Van Rooyen, the workshop which was long overdue will pave the way for improved research and publications output in FEMS. In his opening remarks Prof Van Rooyen highlighted the research basics, how academics can benefit from research, research funding opportunities available through UNAM RPO and how research contributes to academic advances as well as improved teaching.

Dr K. Matengu, Director International Relations, delivered official opening remarks and emphasised the need of such initiative for capacity building. He underlined the collaborative research opportunities available through his office from various collaborative partners in Africa and around the globe and urged the FEMS staff to engage in nationally relevant research.

A total of 35 participants from all four departments of the Faculty attended this workshop which was

facilitated by Professor Steven F. Koch, Managing Editor, *South African Journal of Economics* and HOD of Economics at the University of Pretoria. The workshop, which was highly interactive, deliberated on issues such as formulating researchable topics, developing sound research proposals, conducting literature review and successfully completing the research within stipulated times. During the workshop, the facilitator provoked discussions relating to experiences and practices of research to enable participants to reflect on individual research experiences and learn from best practices. The staff members who brought their work in progress benefited from the interventions and the recommendations that were brought forth.

The closing remarks were made by Dr Diina Shuuluka of National Commission for Research, Science and Technology (NCSRT). Addressing the workshop participants, Dr Shuuluka explained the strategic research priorities of NCRST and funding opportunities for social science researchers.

As briefly outlined above, the Faculty staff worked tirelessly towards achieving the vision and mission of the University of Namibia in the areas of teaching, research and community service. The Faculty had a presence in regional campuses at Rundu and Keetmanshoop to provide education to those who cannot afford to be in Windhoek. Many of the programmes offered by the Faculty are being offered on distance mode.



FACULTY OF EDUCATION

Dean: Dr Charmaine Villet



INTRODUCTION

As Namibia continues to strive towards Vision 2030, basic education remains a cornerstone to the realisation of such a dream. The Faculty of Education therefore trains future and current educators to effectively teach and encourage the mastery of subjects in learners and students.

The academic year 2014 saw the full implementation of the Faculty of Education's Bachelor of Education in Pre- and Lower as well as Upper Primary degrees. This was no mean feat given the fact that the programme was completely new when it was introduced on four of the UNAM satellite campuses. The six departments responsible for the programme delivery had to work in continuous collaboration over the last five years to ensure that a programme of outstanding quality was delivered to all enrolled students irrespective of the campus on which it was offered.

The Faculty of Education (FoE) was also involved in developing its Self-Improvement Plan (SIP) which was based on its audit report, facilitated by CEQUAM. Through this exercise, the FoE was able to identify the areas to focus on for improvement in the next five years. One of the main challenges is the creation of a pool of qualified academics that can fill much needed positions across all the satellite campuses. The increase in student enrolments in the education degree programmes over the last three years as well as the opening of the Keetmanshoop campus placed a huge demand on qualified academic staff employment.

Together with UNESCO, the FoE launched the 2013/4 EFA Global Monitoring Report as well as the action research

agenda for capacity development for quality in pre and lower primary Teacher Education in Namibia, on the UNAM Main Campus. This action research project is funded by the Chinese government and is aimed at building research and institutional capacity of lecturers in Pre- and Lower primary education, teachers and education officials in the Ministry of Education. This event was attended by the Minister of Education, the Chinese Ambassador, the Director General of UNESCO (Paris) an EU delegation, UN agencies in Namibia, academics, teachers, teachers' unions, as well as high school learners. This was certainly a highlight on the Faculty's calendar.

ACADEMIC ACTIVITIES

The academic year started with a Faculty retreat at the Arebbush Conference Centre. Academic staff members from four satellite campuses outside of Windhoek attended. The retreat brought together staff (HODs and coordinators included) of all seven departments. This was an opportunity for departments to sort out their final course outlines and to plan together for the final year implementation of the B.Ed Primary programmes. This planning also included finalising the materials development for all the distance education programmes at the Centre for External Studies.

In February 2014, the FoE in collaboration with UNESCO presented a very hands-on action research workshop for PP/LP lecturers, school teachers and MOE officials involved in Pre- and Lower Primary education. The development of a toolkit for conducting action research was started at this workshop.

The FoE also welcomed Dr. Jan Weiss, a Fulbright Scholar from Pacific Lutheran University in the USA for the 2014

FACULTY OF EDUCATION



academic year. She was stationed at the Khomasdal Campus to work with lecturers in the PP/LP department to build their teaching and research capacity. Dr Weiss also worked with colleagues at NIED to develop a mentoring programme for school teachers who are involved in mentoring students during school-based studies. Together with NIED, she presented the final programme at a workshop in November in Windhoek.

The Continuous Professional Development (CPD) Unit together with the FoE made a presentation to the MoE on the teacher shortages in schools. Together we developed a proposal for the MoE to assist them in meeting the demand and adequate supply of qualified teachers. This proposal was also given to the Minister of Education. The Faculty continued to persuade the Ministry to financially support teacher education students if Namibia is to meet the demand for qualified teachers. This issue remains a challenge which has seen many student teachers leave the teacher training programme on many campuses due to a lack of financial support.

As per request from the Minister of Education, the FoE engaged in the development of a Diploma in Junior Primary Education (DJPE). This diploma was developed in collaboration with NIED and other stakeholders in teacher education. The programme was approved by UNAM Senate for roll-out in 2015 on all five satellite campuses. Although the Faculty together with top management from the University engaged the MoE and NSFAP for financial support for student teachers enrolling in the DJPE, no such support was forthcoming. The interest in the diploma was quite overwhelming with the Registrar's Office receiving thousands of applications in 2014.

The Faculty also managed to submit all its qualifications for registration with the NQA. Various programme feedback was received and qualifications resubmitted to the NQA for final registration. We will now start to work on the accreditation of our programmes.

Staff members in the Faculty continued to work with assisting the Disability Unit at the University with academic and psycho-social support to students with disabilities. Staff members also accompanied these students on a trip to a University in South Africa.

RESEARCH AND PUBLICATIONS

In 2014 the Faculty of Education was involved in a number of research activities most notably the action research with funding support from the Chinese Government. Forty-five lecturers visited 28 schools in all fourteen regions for two weeks to investigate the teaching and learning practices in literacy and numeracy development in the lower grades. A national report on this research was compiled with support from UNESCO and our visiting Fulbright scholar.

Dr Ailie Cleghorn (Concordia University in Montreal, Canada) and Dr Larry Prochner (University of Alberta in Canada) visited the Faculty with regard to research they are doing in Namibia: *Culture and Practice in Early Childhood Teacher Education in Namibia and Canada*. A small funding resource for lecturers at UNAM studying in this area was also procured by Dr Cleghorn.

Four lecturers from Khomasdal Campus and one from Main Campus obtained an additional Diploma in Reading Development from the University of Jyväskylä, Finland.

The publication and launch of the final research report by Faculty staff members on *The reading behavior and preferences of Namibian Children* URPC 2011/37 by **Kirchner, E., Alexander, S. and Töttemeyer, A-J.**

The Art exhibition by Rika Nel, lecturer in Art Education, titled *Paper as metaphor for the fragility and vulnerability of the human being* (November – January 2015, NAGN). This exhibition received wide media coverage both nationally and internationally.

Auala, R.K. (2014) Book Review and Endorsement. In Indongo, F. A. *Moshitila Mwa Z'Ondjupa: Ondjokonona ya-Dr Frans Aupa Indongo*, Yambeka Publisher, Windhoek, ISBN 978-99916-883-0-5

Auala, R. K. and Mbale, J. (2014) Equipping ICT Skills to Graduate Trainee Teachers While at Tertiary Institutions Impact the Quality of National Manpower Development: Case Study for the University of Namibia. In *International Journal of Arts and Social Sciences*, ISBN 2251-0028, Vol. 1(3)

Ausiku, C. (2014). Persistence of traditional teaching methods in Grade 9 Mathematics classrooms, in M. Schafer, D. Samson & B. Brown (Eds). *Namibia Counts: Stories of Mathematics Education Research in Namibia*. Grahamstown: Education Department Rhodes University, 149 -158.

Boer, P.J. (2014). Learning Design in the African Context: Technology and Instructional Design Considerations. Online Seminar: 6-10 October 2014 (<http://emergeafrica.net/seminar-learning-design-in-the-african-context-technology-and-instructional-design-considerations/>)

Bruwer, B., Du Plessis, T. and Van Staden, A. 2014. A sociolinguistic and socio-educational evaluation of the

effectiveness of Bilingual and Billiterate Education for lower primary deaf learners in Windhoek. *Journal of Language awareness* (Submitted).

Dzambara, Tobias. (2014). Surveying the distribution and use of mathematics teaching aids in Windhoek: A Namibian Case study. Paper presented at the Annual Conference for SAARMSTE in Port Elizabeth, South Africa, January 2014. ISBN: 978-0-9869800-8-4

Haiping, E. (2014). Social media in educational contexts: Implications for critical media literacy and ethical challenges for teachers and educational institutions in Namibia. A paper submitted for publication to the CPD journal, Namibia.

Hamunyela, M., Kasanda, C.D & Kanyimba, A.T. (2014). Practitioners Perceptions of the Implementation of Sustainable Development in the Institutions of Higher Learning in Namibia. *Journal for Studies in Humanities and Social Sciences*, 3 (1 & 2), 13-22.

Kanyimba, A.T. (2014). Exploring Students' Views on Orientations of Environmental Education at the University of Namibia. *Creative Education*, 5 (8), 552-563.

Kanyimba, A.T., Nantinda, L.N & Namutenya, M. (2014). The Scope of Climate Change Education in Namibian Formal and Non-formal Education Systems. In (Eds) G. Nhamo, & S. Shavas. *Climate Change Education in the SADC School Curriculum*: 102-123. Pretoria. Africa Institute of South Africa.

Kanyimba, A.T & Raath, S. (2014). Developing Elementary Understanding of Environmental Education Concepts among Selected In-service Primary School Teachers in

South Africa. In (Eds) I, Oosthuizen & M.A, Mokoena, M.A. *Nuances of Teaching, Learning and Research*, 3(1) 61 - 79. Potchefstroom: Academic Research and Publication Book Series (ARAPBS).

Kanyimba, A.T. Richter, B.W; Schalk, R. (2014). The Effectiveness of Environmental Management Systems at Selected South African Primary Schools. *Journal of Cleaner Production*, 66, 479-488.

Kanyimba, A.T., Hamunyela, M & Kasanda, C.D. (2014). Barriers to the Implementation of Education for Sustainable Development in the Namibian Institutions of Higher Education. *Creative Education*, 5 (4), 242-252.

Kanyimba, A.T & Siyambango, N. (2014). The Integration of Disaster Risk Reduction System Based on Vulnerabilities of Stakeholders in the Zambezi Region. *Journal for Studies in Humanities and Social Sciences*, 3 (1 & 2), 44-64.

Kasanda C., Zealand, D. and Taylor, N. 2014. Namibian pre-service science teachers' perspectives on environmental issues. *Economic and Environmental studies* 14(1). March 2014. ISSN 1642-2697

Naukushu, S. T., Nghipandulwa, L. L. T., Kasanda, C. D., & Kapenda, H. M. (2014). *Understanding pi among pre-university students: A case study of the Foundation Programme at the University of Namibia.* Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Nghipandulwa, L. L. T., Kapenda, H. M., & Kasanda, C. D. (2014). *Teachers' use of practical work in Biology in the selected secondary schools in Oshana education region.* Paper presented at the 22nd Annual Conference

of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Nsingo, L., Kapenda, H. M., & Kasanda, C. D. (2014). *Teachers' perceptions on feedback from examiners' reports to improve teaching: A case study of one Windhoek high school.* Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Matakala, V., Tshabangu, I. & Zulu, A. (2014) Open and Distance Education in Namibia: Students' perceptions and quality dimensions. *Educational Research International* ISSN-L:2307-3713 Online, ISSN: 2307-3721 Print Issue: Vol.3, Number 5, October 2014 <http://erint.savap.org.pk/vol3n5.html>

Matengu, K., Likando, G., and Kangumu, B. (2014). Governance and Coordination of Higher Education System in Namibia: Challenges and Prospects. *Forum for International Research in Education (FIRE) Journal*. Vol. 1, Iss. 2, p.83-96.

Moller, J. & Villet, C.B. (2014). Factors influencing the low intake into Pre- and Lower Primary Teacher education in Namibia. *NERA Journal*, 12 (1), 20-38.

Shiningayamwe D.N.E; Shalyefu, R.K; Kanyimba, A.T. (2014). The Social and Economic Challenges of the Namibian Children of the Liberation Struggle at Berg Aukas Camps, Grootfontein. *Open Journal for Social Sciences*, 2 (4), 288-298.

Töttemeyer, A-J., Alexander, S., and Kirchner, E. (2014). The reading preferences and behavior of Namibian children. *Musaion* (Submitted).

Villet, C.B. (2013). The Triumph and Prosperity of Education in Namibia. In (Eds) T. Mwamwenda & P. Lukhele-Olorunju, *The Triumph and Prosperity of Education in Africa*. Africa Institute of South Africa: Pretoria, RSA.

Wilder, H., & Boer, P. J. (2015). Using Technology to Facilitate Collaboration between New Jersey and Namibian Teacher Education Students. Promoting Global Competence and Social Justice in Teacher Education: Successes and Challenges within Local and International Contexts, 173.

Zimba, R. and Likando, G. N. (2014). Prevalence and Mitigation Strategies of HIV/AIDS Infection Risks in Namibian Tertiary Education Institutional Hostels. *SAHARA-J: Journal of Social Aspects of HIV/AIDS: An Open Access Journal*. <http://www.tandfonline.com/eprint/2DExsUqGRa3BjydMvMQs/full>

Zulu, A. & Lumadi, M.W. (2014) Managing School Based Studies in Namibia's Zambezi Region: Navigating Challenges in the Practicum Triad. *Mediterranean Journal of Social Sciences* ISSN 2039-9340 (Print) ISSN 2039-2117(Online) Vol 5, No 20 (2014): September 2014

Books/ Monographs

Shalyefu, K., Kadhila N., Likando G., and Tonchi, V. (2014) *Teaching and Learning Policy*. Windhoek: University of Namibia.

Book Chapter (s)

Ausiku, C. (2014). Persistence of traditional teaching methods in Grade 9 Mathematics classrooms, in M. Schafer, D. Samson & B. Brown (Eds). *Namibia Counts: Stories of Mathematics Education Research in Namibia*.

Grahamstown: Education Department Rhodes University, 149 -158.

Luwango, L. (2014). Critical reflective teaching practice in three mathematics teachers. In M. Schafer, D. Samson, & A. B. Brown, *Namibia Counts: Stories of Mathematics Education Research in Namibia*. 159-170. Grahamstown:: Education Department, Rhodes University.

COMMUNITY ENGAGEMENT

Senior staff members were engaged in internal and external moderation and examination of exam papers and theses. They were also called upon to evaluate research grant proposals for DFID, UNESCO and UNICEF. Many staff members served on editorial boards or were main editors for local and international journals.

The Faculty of Education was also invited to present keynote addresses at partner institutions in the SADC region during conferences. Schools in various education regions also invited staff members to conduct capacity building workshops for their teachers and school management. The Teaching and Learning Improvement Unit at UNAM often made use of FoE staff to conduct capacity building workshops for UNAM staff members. The Faculty is very blessed with highly self-motivated staff members who will seek out opportunities to engage in various community service projects both nationally and internationally.



FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

ENG. JOSÉ EDUARDO
DOS SANTOS CAMPUS
Dean: Prof Frank Kavishe



INTRODUCTION

Throughout history, human development and improvement has always been chronicled by the use and construction of tools. The Faculty of Engineering and Information Technology strives to secure a workforce which will help improve the quality of Namibian life by the use of tools and technology.

The Faculty of Engineering and Information Technology (FEIT) trains and educates undergraduate and postgraduate students and conducts pure and applied research in the following engineering disciplines: civil, computer engineering and information technology, electrical, electronics, mechanical, metallurgical, mining and telecommunication engineering. Plans are at an advanced stage to extend these into chemical and biomedical engineering in the future, while at the same time providing engineering and ICT services to the Namibian nation. The Vision of the Faculty is to be the best Engineering School in the SADC region.

During the 2014 academic year, the Faculty saw an increase in the enrolment figures of students and in the number of academic and technical staff. A total of 37 students completed their studies and graduated with the degree of BSc Engineering (Honours) in various disciplines. Of the undergraduate students, about 70% were Namibians, with the rest coming from Zambia, Zimbabwe, Botswana, Angola, Tanzania, Burundi and Nigeria. About 22% of the student population consisted of female students. As far as physical infrastructure is concerned, construction of Phase II buildings (Mining Engineering, Computer Engineering & Information Resource Centre) was completed and the buildings were inaugurated by H.E. Dr. Sam Nujoma, Founding

Father of the Namibian Nation, in the presence of the Indian High Commissioner to Namibia. The buildings were named the India Wing.

In 2014 the Departments of Civil and Environmental Engineering were headed by Mr. A. Vesper during part of semester 1 and by Dr.-Ing. R. Baur as from semester 2, with the assistance of two full-time academic and four (4) supporting staff members. The academic staff members included Prof. C. Arun, Dr J. Petrina (Senior Lecturer) and Mr. A. Amutenya (Technologist). In addition to the full-time staff members, the department also received 18 part-time lectures from Germany, South Africa and Namibia. The part-time teaching staff included: Prof. R. Weber, Prof. J. Steinbrecher, Prof. V. Hummel, Prof. K. Müller, Prof. J. Bernstein, Mr. J. Bender, Mr. U. Öztürk, Prof. G. Tröger-Weiß, Mr. P. Broedermann, Dr. M. Zuidgeest, Prof. B. Mapani, Prof. F.-M. Adam, Mr. E. Kandongo, Mr. Chimhawhea, Ms. C. Gall, Dr. L. Haefner, Prof. H.J. Domhardt and Mr. P. Hohmann. The German visiting academics were supported by a programme that is funded by the *Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)*.

Full-time academic staff in the Department of Electronics and Computer Engineering included Dr. CN Temaneh (telecommunication engineering), Dr CN Nyirenda (computer engineering), Mr. F. Phiri (electronics engineering), Mr. P. Mulunga (computer engineering), Mr. C. Mutepfe (electronics engineering), Mr. K. Gideon (SDF computer eng) and Mr. D. Karegeya (Technologist). Visiting lecturers included Mr. J. Makiche from Multi Media University Kenya and Dr. S. Zakariya from Derby University, UK. Academic staff in the Department of Electrical Engineering included Mr. E. Ruhunga, Prof I. Davidson (resigned in May 2014) and Mr E. Mbangula

**FACULTY OF ENGINEERING AND
INFORMATION TECHNOLOGY**



(SDF). In addition, this department received a number of visiting lecturers from Kenya through an MOU between UNAM and Jomo Kenyatta University of Agriculture and Technology (JKUAT).

For the Department of Mechanical and Industrial Engineering, full-time academic members of staff were Professor F.P.L. Kavishe, Dr. A.A. Ogunmokun, Dr. K. Ogedengbe (sabbatical), Prof O. Lasode (sabbatical), Mr. Sam Shaanika and Mr. Erasmus Shaanika (SDF). Others were Mr. E. Koga and Mr. Tyapa (SDF), both for engineering mathematics. Visiting lecturers came from the Federal University of Technology Akure (FUTA) Nigeria, JKUAT Kenya, University of Malawi and Copperbelt University, Zambia. Full-time academic staff in the Department of Mining and Metallurgical Engineering included Prof J.M. Akande, Professor J.O. Borode, Dr. O. Johnson, Dr. K. Alaneme (sabbatical), Mr. G. Dombo, Mr. M. M. Mashingaidze and the following Staff Development Fellows: Mr J. Amukende, Miss V. Amuthenu, Mr T. Alweendo and Mr. N. Shilongo. The department also received a number of visiting lecturers in mining engineering from Nigeria and Zambia.

ACADEMIC ACTIVITIES

A number of staff members were undergoing postgraduate studies abroad as part of the Faculty's staff development programme. Those who were pursuing PhD studies included Miss Nepaya Leokadi (telecommunication engineering, South Africa), Mr. M. Abisai (computer engineering, China), Mr. S.I. Hango (materials science, South Africa) and Mr. M. Kanime (safety engineering, China). Those who were pursuing their MSc studies included Mr. A. Ndapuka (electrical engineering, South Africa), Miss E. Angula (mechanical engineering, South Africa) and Mr. M. V. Ipinge (mining engineering, China).

The Faculty continued to collaborate with universities in Kenya, Nigeria, Zambia and Malawi (staff exchange) and a number of German universities for staff and student exchanges. From the last week of November, the final year civil engineering students in the Faculty travelled to Germany and spent three weeks at the University of Siegen through a programme funded by GIZ.

RESEARCH AND PUBLICATIONS

Professor Kavishe continued with activities of the African Materials Science and Engineering Network (AMSEN), which included research in nanotechnology, composite materials and plastics technology, with emphasis on value addition of natural resources. He continued to co-supervise some AMSEN-sponsored MSc and PhD students within the AMSEN member institutions that include Wits University South Africa, University of Namibia, University of Botswana, University of Nairobi Kenya and Federal University of Technology Akure (FUTA), Nigeria. Two PhD students registered at Wits University and co-supervised by Professor Kavishe entered their fourth and third year of research respectively. One of them is a UNAM member of staff. In addition, one MSc student at UNAM (a member of staff) continued with her research in materials science under the AMSEN project. On the other hand, Dr. AA Ogunmokun continued to supervise two UNAM PhD students in the areas of agricultural mechanization and water resources engineering.

Many research activities at the departmental level were in the form of undergraduate student research projects supervised by academic members of staff. The following publications were produced during 2014:

REFEREED JOURNAL PAPERS

Temaneh-Nyah C, Iita V, "Performance Evaluation of Power Control Algorithms in Wireless Cellular Networks" 2nd Radio and Antenna Days of the Indian Ocean (RADIO 2014) IOP Publishing, IOP Conf. Series: Materials Science and Engineering 67 (2014) 012024 doi:10.1088/1757-899X/67/1/012024.

Temaneh-Nyah C., Makiche J, Nujoma J. (2014). 'Characterization of Complex Electromagnetic Environment Created by Multiple Sources of Electromagnetic Radiation'. World Academy of Science, Engineering and Technology, International Science Index, Environmental Engineering, 2(8), 437.

Oladele IO, Omotoyinbo JA, Adewuyi BO and Kavishe FPL. (December 2013). The Effects of Production Processes on the Mechanical Properties of Sisal Fibre Reinforced Polypropylene Composites. Philippine Journal of Science, 142(2): 189-108, (ISSN 0031-7683).

Mwero JN, Abuodha SO, Mumenya SW, Rading GO and Kavishe FPL, (2014). Durability Characteristics of Concrete Containing Sugarcane Waste Fiber Ash (SWFA). ICATOR Journal of Engineering, Volume 7, No. 2. (ISSN-0974-407).

Hango SI, Chown LH, Van Der Merwe JW, Kavishe FPL and Cornish LA, (2014) Corrosion of Selected Hard Facing Materials Exposed to Mine Water. International Science and Technology Journal of Namibia, Vol.4, 90-105.

Akande JM, Aladejare AE, Lawal AL, (2014). Evaluation of the Environmental Impacts of Blasting in Okorosu Fourspar

Mine , Namibia, International Journal of Engineering and Technology, Vol. 4, No. 2.,ISSN-3444,IJET publications UK.

Adebinpe RA, Akande JM, Arum C (2014). Open Pit Slope Design of Ajabanoko Iron Ore Deposit, Kogi State,Nigeria, Journal of Mining World Express, Volume 3 2014,USA, www.mwe-journal.org.

Ajaka EO, Akande JM, Adesina A (2014). Technical Advantages of Alternative Process Flowsheets for Itakpe Iron Ore, International journal of Science, Technology and Society, 2(3) 46-52 Science Publishing Group. (<http://www.sciencepublishinggroup.com/j/ijsts>).doi: 10.11648/j.ijsts.20140203.13

Naidoo M, Johnson OT, Sigalas I, Herrmann M, (2014): "Influence of tantalum on the microstructure and properties of Ti(C,N)-Ni cermets", *International Journal of Refractory Metals and Hard Materials*, vol. 42, pp. 97-102.

Johnson OT, Sigalas I and Herrmann M, (2014): "Comparative study of reactive and non-reactive sintering route for producing B₂O-TiB₂ materials" *Ceramics International*, vol. 40, Issue 1, Part A, pp. 573-579

Mudamburi B, Ogunmokun A. Kachigunda B (2014). Pearl millet's root lengths and yields under conventional and conservation tillage methods in Ogongo, Namibia. Book of Condensed Papers; African Congress on Conservation Agriculture. Pgs 119-122.

CONFERENCE PAPERS

Temaneh-Nyah C, Iita V, "Performance Evaluation of Power Control Algorithms in Wireless Cellular Networks" abstract accepted and presented at the Radio and

Antenna Days of the Indian Ocean, RADIO 2014 international conference, Mauritius 7 – 10 April 2014.

Temaneh-Nyah C, Phiri F, Karegeya D, "A Proposed Algorithm for Obtaining the Map of Subscribers' Density Distribution for a Mobile Wireless Communication Network" abstract accepted and presented at the Radio and Antenna Days of the Indian Ocean, RADIO 2014 international conference, Mauritius 7 – 10 April 2014. Chifamba P and **Temaneh-Nyah C,** "An Investigation of Impulsive Noise in Narrowband Power line Communication", abstract accepted for presentation at the RADIO 2014 international conference, Mauritius 7 – 10 April 2014.

Temaneh-Nyah C and J. Nujoma, "Characterization of Complex Electromagnetic Environment created by Multiple Sources of Electromagnetic Radiation", abstract accepted and presented at the Radio and Antenna Days of the Indian Ocean, RADIO 2014 international conference, Mauritius 7 – 10 April 2014.

Temaneh-Nyah C, "Statistical Estimation of Error Probability of a Digital Wireless Communication Network,"2014 UKSim – AMSS 16th International Conference on Computer Modelling and Simulation, UKSim2014, Cambridge University (Emmanuel College), England, UK, 26 – 28 March 2014, pp216-219, , IEEE Computer society, ISBN-978-1-4799-4923-6

Temaneh-Nyah C and Nepembe J, "Determination of a Suitable Correction Factor to a Radio Propagation Model for Cellular Wireless Network Analysis", Fifth International Conference on Intelligent Systems, Modelling and Simulation, ISMS2014, Langkawi, Malaysia 27-29 January 2014, pp175-182, IEEE Computer society, ISBN-978-1-4799-3857-5.

Temaneh-Nyah C, Phiri F, Karegeya D, "A Proposed Algorithm for Obtaining the Map of Subscribers' Density Distribution for a Mobile Wireless Communication Network", Paper presented at the IEEE World Congress on Computer and Information Systems 2014 (IEEE WCCAIS'2014), International Conference on Modeling, Analysis and Simulation of Computer and Telecommunications Systems 2014, (ICMASCTS'2014), Hammamet, Tunisia 17-19 January 2014. IEEE Number 32903, ISBN-978-1-4799-3350-1.

Johnson OT, Moropeng M.D, Sigalas I, "Comparative study of high and low pressure sintering of Co-doped boron suboxide (B₆O) materials". 3rd International Conference of Engineering and Applied Sciences, University of Calgary, Alberta, Canada, Sweden, June 29-30, 2014.

Johnson OT, Rokebrand P, Sigalas I, "Densification and Properties of ZrO₂-SiC Nanomaterials". 3rd International Conference of Engineering and Applied Sciences, University of Calgary, Alberta, Canada, Sweden, June 29-30, 2014.

Chingosho T, Johnson OT, Mashingaidze M, "Factor affecting Gold Recovery from Secondary Ore". International Conference of Mechanical Engineering, ICEM 2014, World Congress on Engineering (WCE) 2014, London, United Kingdom, 2 – 4 July, 2014, pp. 1280-1282.

Johnson OT, Rokebrand P, Sigalas I, "Microstructure and Properties of Al₂O₃-SiC Nanomaterials". International Conference of Mechanical Engineering, ICEM 2014, World Congress on Engineering (WCE) 2014, London, United Kingdom, 2 – 4 July, 2014, pp. 1317-1320.

Erasmus E, Johnson OT, Amuthenu V, "Parameter affecting Arsenic Recovery from Copper Smelting". International Conference of Mechanical Engineering, ICEM 2014, World Congress on Engineering (WCE) 2014, London, United Kingdom, 2 – 4 July, 2014, pp. 1499-1502.

Ogunmuyiwa EN, Johnson OT, Sigalas I and Herrmann M, "Optimization of the synthesis of B₆O powder" Proceedings of World Congress on Engineering (WCECS), International Conference on Chemical Engineering (ICCM), San Francisco, USA, Oct. 22-24, 2014.

Ogunmuyiwa EN, Johnson OT, Sigalas I and Herrmann M, "Mechanical Properties of hot-pressed boron suboxide with CrB₂ additive" Proceedings of World Congress on Engineering (WCECS), International Conference on Chemical Engineering (ICCM), San Francisco, USA, Oct. 22-24, 2014.

Hango SI, Cornish LA, Chown LH, Van Der Merwe JW and Kavishe FPL, (2014) Corrosion of ULTIMET and Stellite 6B Alloys in Synthetic Mine Water. 2nd Annual Conference Book of Abstracts, University of Namibia, 41-42.

Hango SI, Cornish LA, Chown LH, Van Der Merwe JW and Kavishe FPL, (2014) Wear Behaviour of ULTIMET and STELLITE 6B Hard Facing Alloys. 6th Cross-Faculty Graduate Symposium Book of Abstracts, University of the Witwatersrand, 36.

Pazvakawambwa, GT, Ogunmokun A, Tjipangandjara KF, (2014). Using WEAP Model in the Upper Swakop Basin, paper presented at the 2nd Annual Science Research Conference, 30 -31 October, 2014, Windhoek Namibia.

COMMUNITY ENGAGEMENT

The Faculty continued to participate in the Ongwediva Trade Fair and in Career Fairs of the northern regions to market its programmes. It also hosted learners from various secondary schools and a number of traditional and national leaders and captains of businesses and industry. Professor Kavishe continued to serve as member of the Engineering Council of Namibia, the Namibia Qualifications Authority (NQA) Council and non-executive Director of the Roads Authority in Namibia (up to June 2014). He also continued to serve as External Examiner for the University of Zimbabwe. He also served as External Reviewer for publications from the Federal University of Technology Akure, Nigeria. Dr. Ogunmokun continued to serve as a Member of the Namibia Standards Institution (NSI)'s Technical Committee on Building Construction, Cement and Concrete Technologies.

In the Department of Electronics and Computer Engineering Dr. C.N. Temaneh continued to serve as External Moderator for the Polytechnic of Namibia. He also reviewed conference papers and served as member of editorial board of the journal World Academy of Science, Engineering and Technology and member of the Scientific Technical Committee and Editorial Board of the International Scientific Academy of Engineering and Technology. Dr. C. Nyirenda also served as External Moderator for the Polytechnic of Namibia. The Department successfully organised the second programming competition which was the first at the national level as it saw the participation of students from other institutions of higher learning.

The Department of Civil and Environmental Engineering continued to participate in the many partnerships between

the Faculty and foreign institutions. A rainwater-harvesting Pilot Plant was constructed next to the Student Hostels. Results of the newly installed Weather Station on the roof of the Faculty building, in combination with the rainwater-harvesting Pilot Plant will serve as research facility for students in the BSc and in MSc programmes. In addition, the rainwater-harvesting Pilot Plant serves as a community education and training center.



FACULTY OF HEALTH SCIENCES

Dean:

Prof Peter M Nyarang'o



SCHOOL OF NURSING

*Associate Dean:
Dr Kathe Hofnie*



SCHOOL OF MEDICINE

*Associate Dean:
Prof Philip Okai
Odonkor*



SCHOOL OF PHARMACY

*Associate Dean:
Dr Timothy Rennie*

FACULTY OF HEALTH SCIENCES

Dean: Prof. Peter Mokuia Nyarang'o

Associate Dean School of Nursing and Public Health:

Dr Kathe Hofnie

Associate Dean School of Medicine: Prof. Phillip Odonkor

Associate Dean School of Pharmacy:

Prof. Timothy Rennie

Deputy Associate Dean School of Nursing:

Dr. H Udjombala

Deputy Associate Dean School of Nursing:

Dr. L van der Westhuizen

Deputy Associate Dean School of Medicine:

Dr. Jacob Sheehama

Deputy Associate Dean School of Medicine:

Dr. Kalumbi Shangula

Deputy Associate Dean School of Pharmacy:

Dr. Vetja Haakuria

INTRODUCTION

In pursuit of quality health for all, the Faculty of Health Sciences is preoccupied with substantially increasing access to health in Namibia. The Faculty educates and trains health professionals with the hope that they will improve the quality and longevity of Namibian life.

The Faculty of Health Sciences realised a number of milestones during the year under review. Notably, the inauguration of the School of Pharmacy, the completion of the Life Sciences II building and the Medical campus that also houses the School of Pharmacy and the admission of students at the Southern Campus were among the key highlights. The School of Pharmacy and the Life Science II Building were officially inaugurated by the Right Honourable Prime Minister, Dr Hage Geingob. The first full professor at the School, Professor of Pharmacology, Prof. Verbeeck was

FACULTY OF HEALTH SCIENCES



also appointed during the year as well as the appointment of two new Heads of Department and the introduction of the new Diploma in Pharmacy that will train for the first time ever Namibia's Pharmaceutical Technicians. Lastly, Senate approved for graduation, the first ever in-country trained students in Bachelor of Pharmacy (Honours) degree; all the students attained employment in compulsory 1 year internships in public and private sectors.

During the year the School of Nursing and Public Health conferred a total of two doctorate degrees and four MPH degrees as well as the finalising the roadmap for the School of Public Health paving way for the establishment of the future School of Public Health. Moreover, the Bachelor of Radiography (Diagnostic) (Honours) became the first programme to be accredited by NQA at the School, in addition to the MBChB and the Bachelor of Pharmacy degree programmes.

Finally the School of Medicine for the first time successfully opened a satellite site for the training of medical students in the North where students will receive clinical education and training at the Oshakati State Hospital, Onandjokwe Lutheran Hospital and the Ongwediva Medipark Hospital. The latter was made possible by the signing of a Memorandum of Understanding between UNAM and the Private hospital modelled on Public Private Partnership arrangements. The first batch of fifth Year MBChB students successfully proceeded into their final year of study, that is, Student Internship. To respond to the challenges of expanding clinical training landscape and demands, the Deputy Associate Dean responsible for Clinical Affairs was appointed.

ACADEMIC ACTIVITIES

The Faculty continued to domesticate inter-professional education that seeks to integrate learning and service

activities amongst all its schools, not only in their didactic learning, but also in the clinical setting through support from the Centre for Disease Control and Prevention (CDC). In addition, the following activities were undertaken by the School of Pharmacy:

- Development of proposal and research of therapeutic drug monitoring;
- Training and capacity building through collaboration with Makerere University towards pharmacology research;
- Development of three PhD proposals and one MSc proposal;
- Exploration of potential activity of seaweed components as medicinal entities; and
- Submission of three funding proposals.

During the year under review, together with the completion of the roadmap of the School of Public Health, the curriculum of the Bachelor of Science in Public Health (Honours) was developed. The School of Nursing and Public Health launched a Master degree in Field Epidemiology with the enrolment of seven students which was made possible through financial support from the Ministry of Health and Social Services and CDC.

In 2014, the UNAM School of Medicine continued to provide leadership in the activities of the Consortium of New Schools of Medicine in Southern Africa (CONSAMS). The School houses the Secretariat and will hold the position of the Secretary General of the consortium for the next five years. A new addition to enrich the network of partnership is the growing links with the University of Cardiff, UK which among others seeks to break new ground in the training of Anaesthesiology and Emergency medicine within Namibia.

RESEARCH AND PUBLICATIONS

Verbeeck RK, Warlin J (2014). Generic drug registration in the European Union: bioequivalence requirements. In: Kanfer I, Shargel L (Eds.), 2014: Generic Drug Product Development: Bioequivalence, International Regulatory Requirements. s.l.: Informa Health Care.

Verbeeck RK, Kanfer I, Loebenberg R, Abrahamsson B, Barends DM, Langguth P, Polli JE, Parr A, Shah VP, Jennifer B (2014). Biowaiver monographs for immediate release solid oral dosage forms. forms: enalapril maleate. J. Pharm. Sci .

Anderson C, Marriott JL, Carrasqueira J, Brock TP, Rennie T, Bruno AF, Bates I. Turning the world of pharmacy education into a global community through sharing. Am J Pharm Educ. 2014 Sep 15;78(7):130

Anderson C, Bates I, Brock T, Brown A, Bruno A, Gal D, Galbraith K, Marriott J, Rennie T, Rouse MJ, Tofade T. (2014). Highlights From the FIPed Global Education Report. American Journal of Pharmaceutical Education: Volume 78, Issue 1, Article 4.

Rennie T, Marriott J, Brock TP. Global supply of health professionals. N Engl J Med. 2014 Jun 5;370(23):2246

Rennie T, Kibuule D, Haakuria V & Adorka M. (2014) Four years on in Namibia: what of the new pharmacy programme? IJP 32 (1): 58-60.

Adorka M, Mitonga H, Alles K, Lubbe M. Assessing the effectiveness of empiric antibiotic treatments: The use of an antibiogram based methodology in the case of public hospitals in Lesotho. J Pharm Care 2014; 2 (3)

Mazibuko G, Sagwa E, Kagoya H, Kibuule D, Rennie T, Mavere T, Ghoneim R, Mbirizi D, Naikaku E, Niaz Q, Lates J. Incorporating Pharmaceutical Supply Management modules in the pre-service curriculum of the BPharm program, of the University of Namibia, School of Pharmacy. *Journal of Pharmaceutical Policy and Practice* (2014) 7(Suppl 1): P12.

Knoff M, Lates J, Ishola A. The importance of nuclear magnetic resonance in elucidating the chemical structures of active components found in medicinal plants indigenous to Namibia. *International Journal of Science and Technology in Namibia* 2014, 4, 106-109

Pinehas, L.N., Shifiona, N.N., Shikongo, K.K.I.et al, (2014). Celebrating UNAM-Oshakati campus health day/world health day: a community services: professional and personal experiences. *Journal of Advance Nursing Studies*, 3(1), 24-26. DOI: 10.14419/ijans. ISSN 2227-488.

Gendron, M. Roberson, D. van der Vyver, JM. Barrett, LF¹. (2014). Perceptions of emotion from facial expressions are not culturally universal: Evidence from a remote culture. *Emotion*, 14 (2):251-62. DOI: 10.1037/a0036052 ISSN 1528-3542.PMID: 24708506

Maria Gendron, Debi Roberson, Jacoba Marieta van der Vyver & Lisa Feldman Barrett (2013). Cultural Relativity in Perceiving Emotion From Vocalizations. DOI: 10.1037/a0036052. ISSN 1528-3542 PMID: 247085-6

Murimba, W., Robert, K., Amakali K., & Amukugo, H. (2014). The Relationship of Socio-Economic Status on Contraction of Tuberculosis among TB Patients in Windhoek District, Namibia: A Public Health Practice Perspective. *Online*

Journal of Medicine and Medical Science Research, 3(2), 8-12. <http://www.org/jmmsr>. ISSN: 2277-0879.

Haoses-Gorases, L., Jonas A. and Kapaama, P. (2014). Professional Staff turnover in the Namibian Public Sector. *International Journal of Innovative and Applied Research*, 2 (2), 1-17. <http://www.jurnalijar.com> ISSN Print: 2372-5060 ISSN Online: 2372-5079.

Hofnie Hoëbes, K. & Matengu. K. (2014). An educational programme to facilitate reflective practice of registered nurses in training hospitals in Windhoek. *International Journal of Advanced Nursing Studies* 3(2), 74-77. DOI: 10.15640/ijhs. ISSN Print: 2372-5060 ISSN Online: 2372-5079

Nelumbu, L.N. & van Dyk, A. (2014). An educational programme to facilitate reflective practice of registered nurses in training hospitals in Windhoek. *International Journal of Advanced Nursing Studies* 3(2), 74-77 DOI: 10.14419/ijans. ISSN 2227-488.

Amakali¹, K¹. & Small LF². (2014). Beyond routine care for children with heart diseases from the vulnerable context: A clinical practice perspective. *Journal of Nursing Education and Practice*, 4(11), 43-49. DOI: 10.5430/jnep. ISSN Print: 1925-4040; ISSN Online: 1925-4059.

Amakali, K¹. & Small, L.F¹. (2014). A Support Programme for Caregivers of Children with Heart Disease in Rural Namibia. *Open Journal of Social Sciences*, 2, (11) 97-104. DOI: 10.4236/jss. <http://dx.doi.org/10.4236/jss.2014.211014>. ISSN Print: 2327-5952; ISSN Online: 2327-5960.

Nabasenja, C., Davidson, F., Kotze, T. & Engel-Hills, P. (2014). Dose reference level for barium enemas at state

hospitals in the Western Cape South Africa. *The South African Radiographer*, 52 (2), 21-25. [ww.sar.org.za](http://www.sar.org.za). ISSN Print: 0258 0241.

Shikongo, Katrina, Kuna, I. (2014). Knowledge of sociology of development applied to nursing practice by registered nurses in public training hospitals in Namibia. *International Journal of Advanced Nursing Studies*, 3(2), 78-83. DOI:10.14419/ijans.v3i2.2904. 2227-488X.

Quentin Eichbaum, Marius Hedimbi, Celso Belo, Keikantse Mathagela, Ludo Badlanga, Laize Botas, Peter Nyarango, Kasonde Bowa, Kumwenda Johnstone, Olli Vainio Eichbaum Q, Nyarango P, Bowa K, Odonkor P, Ferrao J, Mashalla Y, Vainio O and Vermund SH (2012) "Global networks, alliances and consortia" in global health education-the case for south-to-south partnerships. *Journal of Acquired Immune Deficiency Syndromes* 61(3): 263-264.

Eichbaum Q, Nyarango P, Ferrao J, Tiale N, Hedimbi M, Belo C, Bowa K, Vainio O and Kumwenda J (2014) Challenges and opportunities for new medical schools in Africa. Challenges and opportunities for new medical schools in Africa. *The Lancet Global Health* 2(12):e689-90. doi: 10.1016/S2214-109X(14)70334-1.

- **Mitonga KH & Neema I (2014)** The value of statistics in Africa *African J of Applied Statistics* 1:3-4
- **Adorka, MKB, Mitonga HK, Allen K, Lubbe, MS (2014)** Assessing the effectiveness of empiric antibiotic treatments: The use of an antibiogram based methodology in the case of selected public hospitals in Lesotho. *J Pharm Care* 2(3):85-95.
- **Adorka MKB, Mitonga HK, Lubbe M, Allen K (2014)** Assessment of the appropriateness of antibiotic

prescriptions in Lesotho public hospitals: a novel methodology based on principles of antibiotic prescribing. *J Public Health in Africa* 5:354

- **Mwikume BF, Mitonga HK, Allen K (2014)** Evaluation du programme de la prevention de la transmission mere-enfant du VIH a l'hopital general de reference Hakika, Lubumbashi, Republique Democratique du Congo. *Rev. med Gd Lacs*, 3(2): 192-211
- **Wessels Q, Hoogland PV, Vorster W. (2014)** Anatomical evidence for an endocrine activity of the vomeronasal organ in humans. *Clin Anat* 27(6): 856-60.
- **Donaldson G & Smit J (2014)** An investigation into the various morphological differences seen with the liver pathologies within the cadaver population. *Society of Academic and Research Surgery, Brit, J Surgery* 101: 48-
- **GoldfarbDM, SteenhofAP, Pernica JM Quaye I (2014)** evaluation of anatomically designed flocculated rectal swabs for molecular detection of enteric pathogens in children admitted to hospital with severe gastroenteritis in Botswana. *J Clin Microbiol* 52(11): 3922-7
- **Amanquah S Quaye IK (2014)** Red cell Glyoxalase 1 polymorphism: A report of new variants in Ghana. *Int. J Med & Applied Sciences* 3: 123-128
- **Lukolo LN (2014)** Parents participation in the sexuality education of their children in rural Namibia: a situational analysis. *Gibal J Health Sciences*.....
- **Tenforde MW Kumwenda J (2014)** C-reactive protein(CRP), interferon gamma-inducible protein 10(IP-10), and lipopolysaccharide(LPS) are associated with risk of tuberculosis after initiation of antiretroviral therapy in resource-limited settings. *PLoS One*. 2015 26; 10(2):e0117424. Doi: 10. 1371/journal.pone.117424.ecollection2015

- **Grinsztejn B .Kumwenda) (2014)** Effects of early versus delayed initiation of antiretroviral treatment on clinical outcomes of HIV—1 infection; results from the phase 3 HPTN 052 randomised controlled trial. *Lancet Infect Dis*. 14(4): 281-90 doi 10.1016/s1473-3099
- **Luetkemejer AF Kumwenda J. (2014)** Adult AIDS Clinical Trials Study Group A5221 Study Team Tuberculosis immune reconstitution inflammatory syndrome in A5221 STRIDE: timing, severity, and implications for HIV-TB programs. *J Acquir Immune Defic Syndr* 65(4):423-8 doi 10. 1097/QAI. 0000000000

The Faculty also generated noteworthy Newspaper Articles and besides embarking on the following research projects:

- Nursing & radiographic students' perception of their well-being at SoNPH, UNAM, main campus.
- Assessment of student's experience of learning environment at the SoNPH, UNAM, main campus. Stage of the research: Report writing. NGN department members.
- The experiences and mastery of application of the processes of Swanson's theory of caring by student nurses to the recipients of medical/surgical conditions.

COMMUNITY ENGAGEMENT

Faculty Schools and Departments took part in schools' visits to encourage grades 10-12 student to explore pharmacy as a career option. The Faculty also took part in the following activities: 2D-HPLC and related techniques; UNAM main campus / Chemistry department; Workshop on competency development for PA's (MoHSS); TB/HIV symposium; Southern African TB/HIV clinician society;

UNAM Professional Development Workshop; The 17th World Congress of Basic & Clinical Pharmacology; World Congress of Basic and Clinical Pharmacology (WCP); Training of medicines development & Regulation in Emerging Countries; Southern African Academy for Medicine Development; Cape Town Convention Square; INP innovation fund dissemination workshop; Millennium Challenge Account MCA-Namibia; Bioprocessing Summit Boston; Cambridge Healthtech Institute/Bioprocess international; Applying Pharmaco-economics processes to TB/HIV and essential medicines selection in Namibia; MSH / University of Washington faculty; FIP Annual Congress; Geological Survey Auditorium and Medicinal Applications of Crystallography.

The Medical Campus sports and recreational facilities opened doors to the University Community and the public. Run on the Public Private Partnership concept, the ultra-modern Gym and Swimming facilities have remained popular especially among students, UNAM staff and their families while attracting huge interest from the City of Windhoek.



FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Dean: Prof Kingo Mchombu



INTRODUCTION

Priding itself on a climate of human warmth and great efficiency, the Faculty of Humanities and Social Sciences is a lively and vibrant place, rich in activities and productive linguistic and literary exchanges. While the healthy collaboration among its members is one of the Faculty's strengths, it also excels in the quality of teaching, academic programmes offered, and research. The main objective of the Faculty is to produce trained and specialised human resources in both basic and applied areas of humanities, social sciences, history, geography, environmental studies, information and communication, library science, music and arts. It provides a vibrant, stimulating and supportive study environment where students can choose from a range of flexible courses.

The general objectives of the Faculty are to develop the capacity of students to think, write and speak effectively and creatively, to appreciate and respect social, moral and ethical values as the foundation of one's relationship with others and one's responsibilities to community and country, to nurture and develop the analytical, decision making and communication competencies of students together with those qualities of self-reliance, responsibility, integrity and self-awareness, and to prepare students for academic and career advancement.

The programmes offered in the Faculty are strongly linked to the world of employment, leading to outstanding career-building opportunities. Faculty members also maintain very strong relationships with partner organisations and professional bodies which recognise and accredit many of its courses.

The Faculty has an outstanding reputation for research.

Academic staff contributing regularly to industry journals, advisory groups, governmental policy, and gaining regular public exposure through the press and broadcast media.

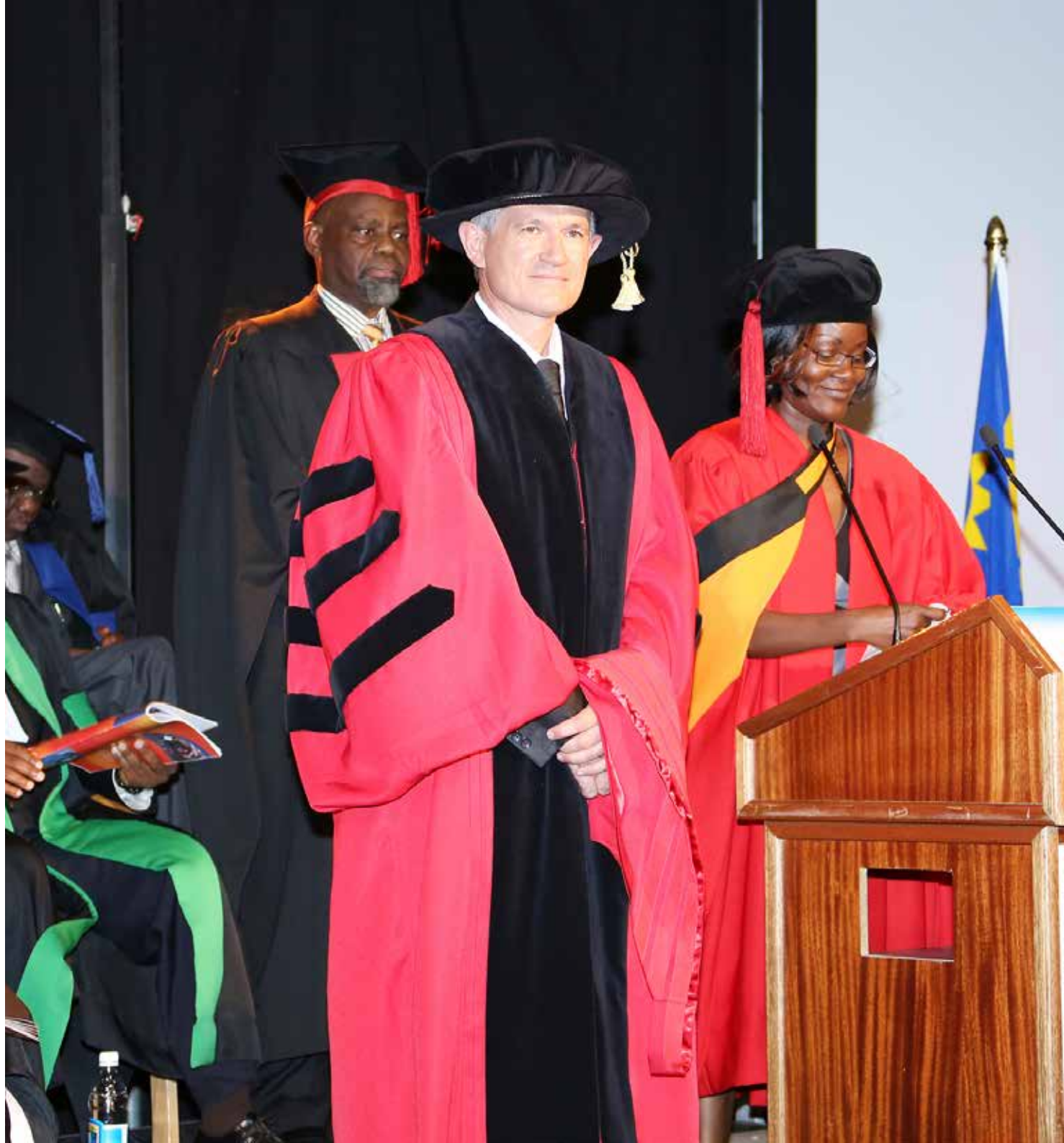
ACADEMIC ACTIVITIES

The Faculty of Humanities and Social Sciences comprises of the Department of Geography, History and Environmental Studies, Human Science, Sociology, Language and Literature Studies, Information and Communication Studies, and Visual and Performing Arts. The Faculty offers various programmes that have cross-cutting courses from different departments and faculties.

The Faculty is supported by a team of qualified and committed staff members that come from diverse academic and professional backgrounds, with 41% of its staff PHD holders and 8 professors. Academic staff offer academic counselling and consultation services to students beyond the classroom. In addition, the Faculty often presents extracurricular programmes that develop professional skills and raise awareness of social issues.

In addition to the undergraduate and taught MA Sociology programmes, members of the Department of Sociology supervised five PhD and nine Masters by thesis candidates. The year 2014 saw the start of a new 4th year course on *Urban Studies*, and was the inauguration year of the department's new MA in Gender & Development which was successfully delivered in block teaching workshops. International links with the universities of Karlstad (Sweden), Bochum (Germany), Stellenbosch and the West Indies saw various lecturers visiting the department, and engaging in lectures and workshops. The Student Sociology Society, actively and materially

FACULTY OF HUMANITIES AND SOCIAL SCIENCES



supported by the department, was vigorous in public events and open lectures in 2014.

The Department of Geography, History and Environmental Studies (DGHEs) had one Emeritus professor and two staff members on SDF programme, pursuing a Master's Degree and PhD respectively. A postgraduate Diploma in Heritage Conservation and Management was approved by Senate with the first intake for 2015. In total, the DGHEs offers over 40 different modules to both undergraduate and postgraduate students by staff in the Department. The department submitted all programmes to NQA for registration, with Tourism and GIS being approved. The rest of the programmes await response from NQA through CEQUAM.

During 2014, the Faculty through the Department of Human Science, completely revised the Philosophy curriculum. In a parallel initiative, Senate approved the name change of the section from Philosophy to Philosophy and Applied Ethics. Newer and more contemporary courses were introduced in order to make graduates more employable, especially in areas related to ethics. A colleague who was on staff development graduated with a PhD in Social Work from North West University and re-joined the department on a full-time basis 6 months ahead of the expected time.

The Department of Information and Communication Studies made significant progress with the process of registering its programmes on the National Qualifications Framework (NQF). Three Diplomas – Diploma in Records and Archives Management; Diploma in Library and Information Science; and Diploma in Public Relations - were evaluated positively by the Namibian Qualifications Authority. In addition, the Department revised and

resubmitted the BA in Media Studies and BA in Library and Information Science; and submitted the Masters and PhD programmes for registration on the NQF and awaits feedback from the registering authority.

Several members of staff participated in staff development activities; Mr. Wilhelm Utoni completed his Master's degree programme with the University of Boras, Finland and Ms Nampa Hamutumwa's PhD thesis with the University of Kwazulu Natal is with external examiners. Mr. Wilson Yule is at an advanced stage in his PhD with the University of Namibia. Dr Cathrine Nengomasha was promoted to the position of Associate Professor during the year under review.

RESEARCH AND PUBLICATION

Research collaborations with industry partners help us to develop innovative approaches to real world challenges, and to develop applied research that produces cross-sector improvements as well as economic, social and cultural benefits. In 2014, the Faculty produced a total of 49 publications in different areas of research (Languages and Literature Studies – 13; Psychology, Human Development, Bible Studies, Philosophy and Social Work – 8; Human Geography, Environmental Studies, Tourism and History – 8; Communication Studies – 8; Sociology – 12).

The Department of Geography, History and Environmental Studies, continued its collaboration with the Southern African Science Service Centre for Climate Change and Adaptive Land Management (SASSCAL), a Regional Science Service Centre (RSSC) in Southern Africa. SASSCAL is aimed at conducting research in the areas of adaptation to climate change and sustainable land management and provide evidence-based advice for all decision-makers and

stakeholders to improve the livelihoods of people in the region and contribute to the creation of an African knowledge-based society. In addition, the Department also continued its collaboration with the Department of Environmental Sciences, University of Basel in a joint project on the Identification of Potential Intervention Mechanisms for Improving Small-scale Farmers Livelihood and Reducing Land Degradation with the Support of PES in the Communal Farming Areas of Northern Namibia.

COMMUNITY ENGAGEMENT

The Department of Language and Literature studies engaged in various community services including the national "Woordfees" (Word Festival), the annual Afrikaans Teachers Conference, the annual training of English teachers under the NAMTESOL programme, training in Afrikaans language usage for journalists at the Republikein (a local newspaper), launching of the Indigenous Languages Initiative in collaboration with NIPAM and serving on editorial boards of local and international journals.

Staff members from the Department of Geography, History and Environmental Studies served on the Scientific Committee of the National Heritage Council; the Executive Committee of the Museums Association of Namibia, the International Rotary Club, the Intergovernmental committee to prepare the UNESCO Intangible Cultural Heritage to be held in Namibia in November 2015, the National Committee for Spatial Data under the Namibia Statistics Agency (NSA), the Namibian Tourism Board Human Resource Development Advisory Committee, the Eco Awards Namibia Management Committee and the National Climate Change Committee.

Staff members further assisted in mentoring members of the Tourism Society, organised an Internet Marketing Seminar in collaboration with the Namibian Tourism Board and the Millennium Challenge Account and represented UNAM on the Third National Communication to the UNFCCC Working Group on Vulnerability and Adaptation participated in meetings of the National Working Group on the Implementation of the Roadmap for Integrated Flood Disaster Management in Namibia under the Office of the Prime Minister, while one member of the Department served as coordinator of the Tourism Entrepreneurship Practical Seminar with IMLT.

The Department secured funding from the Turkish Cooperation and Development Agency (TIKA) to the tune of N\$ 563 296.71 for the expansion of the computer laboratories for spatial analysis. The funded equipment included a total of 40 computers and GIS Software.

Various staff members from the Department of Human Sciences served as external examiners and co-supervisors for PhD and MA theses at institutions of higher learning in Namibia and beyond (University of Western Cape, Köln University of Applied Sciences). They further served on the Editorial Boards of a number of journals including the Journal of GLBT Social Services and the Journal of Psychology in Africa and act as reviewer for the South African Journal of Industrial Psychology. Members of the Department further served on the National Commission on Research, Sciences and Technology, the Health Professions Council of Namibia (Social Work and Psychology), the Planning Committee of the International Palliative Care Virtual Conference and the National Palliative Care Task Force in Namibia. One staff member also acted as an assessor for academic promotions at the North-West University in South Africa.

Staff from the Department of Information and Communication Studies was involved in external moderation of dissertations and theses at universities such as Makerere University, the University of Limpopo, the University of Swaziland, the University of Science and Technology in Zimbabwe, the University of Botswana and the University of Western Cape. The Department further held two workshops (“Media in the time of crisis” and the Library and information Networking Workshop). As overseer of the UNAM Radio, the Department continues to provide invaluable opportunities for students to gain experience and exposure as presenters, producers, music compilers, news editors and station managers.

FACULTY OF LAW

Dean: Prof John Baloro



INTRODUCTION

Law is both necessary yet an expandable tenant of life. At the Faculty of Law, students are taught and treated as aspiring lawyers to know the law, but yet also to examine it. The Faculty consists of three departments, namely: Commercial Law; Public Law and Jurisprudence; and Private and Procedural Law. In addition, two Centres fall under the Faculty, viz. the Human Rights and Documentation Centre (HRDC) and the Justice Training Centre (JTC). The Faculty also runs a Legal Aid Clinic, whose mandate and operations will be briefly outlined hereunder.

During the year under review, Professor N. Horn was away on sabbatical leave until the end of December 2013 and assumed duty in January 2014. However Mr. Fritz Nghishillwa was granted an extension of his staff development leave to continue with his doctoral studies until the end of December, 2014. Towards the end of the year, the HOD of the Department of Commercial Law, Mr. F. Mundia completed his doctoral studies and was awarded his LLD degree by the Faculty of Law of the University of Pretoria in South Africa.

ACADEMIC ACTIVITIES:

During the year under review, the Faculty continued to phase out its two undergraduate Degree programmes namely the Baccalaureus Juris (B Juris) and the Bachelor of Laws (LL B). It has also continued to phase in the new 4-year undergraduate LL.B degree. The Faculty of Law also continued to offer two postgraduate qualifications, namely Master of Laws (LL M) by thesis and Doctor of Philosophy in Law (PhD) registering a total number of 11 research students who are pursuing either masters or doctoral degrees. In September, 2014, the Faculty successfully underwent an external audit. The report was

subsequently forwarded to CEQUAM, the University's quality assurance unit. The audit report will be used to prepare a self-improvement plan for the long-term improvement of the teaching, research and community engagement programmes of the Faculty.

In the 2014 academic year, the Faculty organised and hosted the third annual Professor Walter Kamba lecture. The lecture entitled: "On the State of Women's Rights in Namibia, 24 Years After Independence", was delivered by Adv. Bience Gawanas.

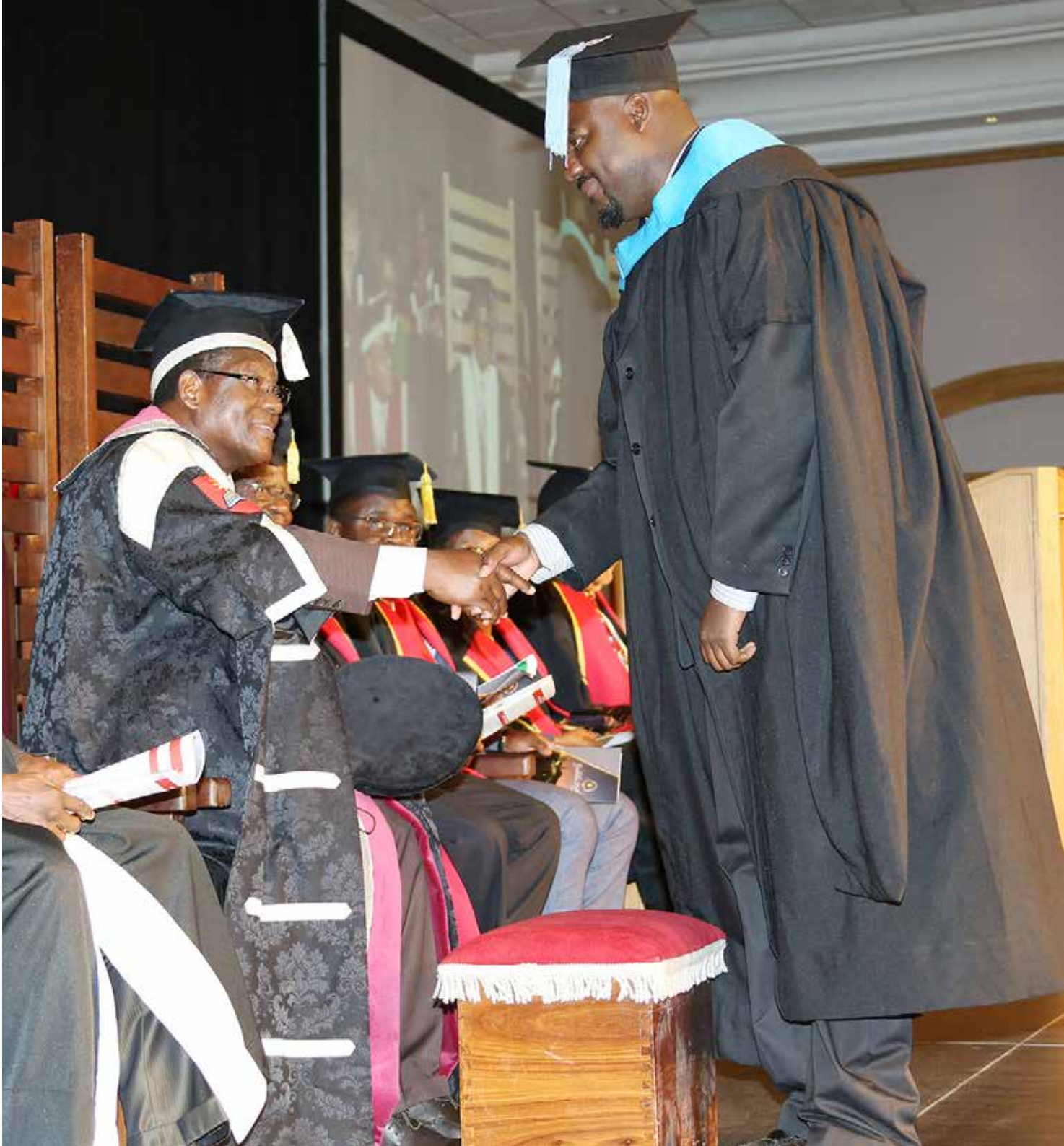
RESEARCH AND PUBLICATIONS

Members of staff were engaged in various research projects either through the University Central Consultancy Bureau (UCCB) or with other stakeholders, e.g. government departments, non-governmental organisations and international organisations. Some members also attended workshops, presented conference papers and participated in capacity building training. Academic staff members also published articles in peer reviewed law journals in the region, and in the Namibian Law Journal and chapters in books. During the year under review, the Faculty was also able to successfully organise the bi-monthly seminar on Namibian law update and also a workshop for its registered postgraduate students. A highly successful conference on gender-based violence in Namibia was also organised and hosted by the Faculty of Law. Several Faculty members attended and presented research papers which are being edited for publication in a special edition of the Namibian Law Journal (NLJ).

COMMUNITY ENGAGEMENT

The Faculty and its staff members provided various services to the local communities, either through rendering

FACULTY OF LAW



free legal service (the legal aid clinic) or engaging in tailor-made academic programmes, or seminars and workshops for civil servants, law enforcement agencies, traditional leaders, and judicial officers. Specifically, the Faculty offered training to newly recruited immigration officers at the request of the Ministry of Home Affairs. Additionally, many staff members served on statutory bodies (the Board for Legal Education, Law Reform, Magistrates Commission, Law Society, Namibian Qualifications Authority, and editorial boards of peer reviewed law journals) and on senior level University Committees (Senate and Council). Other members of staff in the Faculty also served as external examiners for both undergraduate and postgraduate students in Law Faculties of neighbouring countries in the region.

JUSTICE TRAINING CENTRE

The Justice Training Centre (JTC) is established in terms of section 16(1) of the Legal Practitioners Act, No 15 of 1995 as amended. Its primary purpose is to be a centre within the University that equips and prepares candidate legal practitioners for admission into the legal profession. The Board for Legal Education (BLE) is the statutory and primary custodian of the programme.

The JTC was established in 1996. In 2011 there were 37 new candidates registered for the programme. In 2013, the number increased to slightly over 90 students reflecting the increased in-take of students by the faculty of law of the University of Namibia. In the year under review, these student numbers have continued to increase, posing a number of challenges to the Board of Legal Education and the Faculty. The JTC offers an intensive training that requires a two-week teaching programme, an assignment, attendance of Moot Courts and preparations for exams.

Equipping a candidate for readiness to enter the profession within such a short space of time requires considerable input to conceptualize, prepare and deliver the product in order to meet the set objective. This is over and above the expectation that candidates will be attached to law firms, the Prosecuting Authority, Government Attorney's Office and other institutions where legal services are rendered, to augment their experience at the JTC. In addition, a good set of materials and experienced teaching staff to implement this practical programme.

About eleven part-time lecturers, primarily from private practice, taught on the programme during the year under review. The Centre was administered by Ms. Christa Klazen and managed by Professor S. K. Amoo, who is the Acting Director. During this period, the Board for Legal education continued its review of the programme, and a number of important decisions were made in order to improve the subject content, syllabus, and the teaching approach and mode of delivery.

THE LEGAL AID CLINIC

The primary objective of the Legal Aid Clinic is the provision of legal services and assistance to the most vulnerable members of our society. The Clinic is part of the social responsibility arm of the University, in terms of provision of legal services to the public. Its establishment at the University contributes significantly towards the widening of access to justice. Furthermore, the Clinic is part of the curriculum of the LL B degree and creates a chance for students to see the practical side of the law. This is the first time the students meet real clients with real issues and deal with live files.

The Legal Aid Clinic exposes students to matters ranging from labour disputes, divorces, protection orders in terms

of the Domestic Violence Act, maintenance, succession, debt collections, appeals and reviews, to name a few. During the year under review, the number of files opened and worked on by the students continued to increase.

All final year LL.B students must participate in this critically important practical programme of the faculty. During the 2014 academic year, the UNAM Law Clinic continued to discharge its mandate.

The Legal Aid Clinic functions under the clinical supervision of Ms. Yvonne Dausab, who has extensive experience in legal clinical work and is assisted by Ms. Kandali Nuugwedha and Mr. Francois Bangamwabo who are both admitted legal practitioners of the High Court of Namibia. The existence of and support for the work of the Legal Aid Clinic reflect the pillars of the Namibian Constitution, namely justice, peace and liberty. However, the Clinic continues to face challenges in the form of an ever increasing number of final year LL.B students to supervise and very few supervisors. During the year under review, the clinic received much needed funding from OSISA to enable it to continue with its programme. This generous assistance is gratefully acknowledged by the Faculty.

CONCLUSION

During the year under review, the Faculty successfully held two faculty retreats at the beginning and end of the academic year. These retreats assisted it to plan its activities such as the teaching load and the adoption of the Balanced Score Card (BSC) for the academic year. The UNAM Law Faculty has continued to deliver on its mandate to offer high quality legal education to the people of Namibia and those of the neighbouring jurisdictions.



FACULTY OF SCIENCE

Dean: Dr Frednard Gideon



INTRODUCTION

Endowed with a strong emphasis on scientific approaches to academic enquiry, the Faculty of Science strives to generate high quality graduates and research that may help propel the socioeconomic development of Namibia and the region beyond heights hitherto unheard of.

The Faculty generates high quality graduates and research outputs that will spur the socio-economic development of Namibia and beyond, through the application of their knowledge and skills in various fields of science and technology. During the year under review, members of staff were engaged in research, and publications. The Faculty was guided by a team of academic leaders and managers including the Dean, Deputy Dean, and Heads of Department.

ACADEMIC ACTIVITIES

Academic staff were heavily involved in the teaching of undergraduate and postgraduate programmes. These programmes led to the BSc, MSc and PhD degrees in various disciplines and specialisations. Several departments are now reviewing and developing more academic programmes which will start in the coming academic year. Our academic offerings are demand-driven, and their popularity is evidenced by the increased numbers of students.

New to the Faculty is the Department of Military Science offering the BSc honours degree in Military Science (aeronautical, army, nautical). In 2014, the Department of Geology completed the course work of the new Masters in Applied Geology with two majors: Economic and Exploration Geology and Hydrogeology, as well as Environmental Geology.

RESEARCH AND PUBLICATIONS

Staff and students in the Faculty conducted cutting-edge research in various fields. In Chemistry, new research areas include Nanotechnology, Biotechnology, Polymer Science and Petroleum Chemistry. The Department of Computer Science conducts research in areas ranging from computer applications to e-governance. The Department of Statistics also modelled health data while the Geology Department continued to search for new minerals. The Department of Physics researched the distribution and concentrations of natural radio-isotopes in several locations in Namibia using equipment provided by the International Atomic Energy Agency. In the Department of Biological Sciences, staff and students evaluated the antimicrobial activities of Namibian ethnoveterinary plants.

The publications resulting from this research, are summarised below:

Proceedings

T. Dube and M.M. Mugochoi (2014) Localic remote points revisited. *Proceedings of the Analysis, Topology and Applications 2014 Conference (ATA2014)*, Serbia, May 26-29, 2014

Peer reviewed Journals Articles:

Mapani, B., Cornell, D and Van Schijndel, V. (2014) Geochronology and tectonic evolution of the Hohewarte Complex, Namibia: Insights in Paleoproterozoic to Early Neoproterozoic crustal accretion processes. *Journal of African Earth Sciences* 99: 228-224

FACULTY OF SCIENCE



Chipeta MG, Ngwira BM, Simonga C, Kazembe LN (2014) Zero adjusted models with applications to analysing helminths count data. *BMC Research Notes* 7:856.

Pazvakawambwa L, Indongo N, Kazembe L (2014) A hurdle negative regression model for non-martial fertility in Namibia. *J Math Systems Science* 4: 498-508

Chirombo JJ, Lowe R, Kazembe LN (2014) Using structured regression models to estimate risk factors of malaria in Malawi: analysis using 2010 malaria indicator survey data. *PLoS ONE* 9(7): e101116.

Mbewe R, Pemba D, Kazembe L, Mhango C, Chiotha S (2014) The impact of *Bacillus thuringiensis israelensis* (Bti) on adult and larvae black fly populations. *Malawi J Sci Technol* 10(1): 86-92.

Mtambo OPL, Masangwi SJ, Kazembe LN (2014) Analysis of Childhood Stunting in Malawi using Bayesian Structured Additive Quantile Regression Model. *Int J Statistics and Applications* 4(3)

Kamndaya M, Thomas L, Vearey J, Sartorius B, Kazembe L (2014) Material Deprivation Affects High Sexual Risk Behavior among Young People in Urban Slums, South Africa. *J Urban Health*. 91(3): 581-591

Chinsembu, K.C., Negumbo, J., Likando, M., and Mbangu, A. (2014). An ethnobotanical study of medicinal plants used to treat livestock diseases in Onayena and Katima Mulilo, Namibia. *South African Journal of Botany* 94: 101-107

Mileusnic, M., Mapani, B.S., Kamona, A.F., Ruzicic, S., Mapaure, I. and Chimwamurombe, P.M. (2014)

Assessment of agricultural soil contamination by potentially toxic metals dispersed from improperly disposed tailings, Kombat Mine, Namibia. *Journal of Geochemical Exploration* 144: 409-420

J.-B. Gatsinzi. (2014) A model for function spaces. *Topology and its Applications* 168: 153 – 158

Nuugulu, SM and Frednard Gideon (2014) Hedging Foreign Exchange Risks with Gold: EGARCH Approach. *African Journal of Applied Statistics* 1: 13 – 21

Kiremire M.R., E, Daniel L.S. and Hishimone, P (2014) Numerical Assignment of Shapes and Symmetries of Borane Molecules and Ions. *Oriental J. Chem.* 30(3): 923-932

Kiremire EMR (2014) Numerical Sequence of Borane Series. *Oriental J. Chem.* 30(3): 1055-1060

Kiremire EMR (2014) Validation and Verification of the Expanded Table for Transition Metal Carbonyl a Main Group Elements *Oriental J. Chem.* 30 (4): 1475-1485

Oyedele, J.A., Taapopi, E. and Shimboyo, S.A. (2014) Natural Radioactivity Measurements in soil samples of the Kupferberg Waste Landfill site, Windhoek, Namibia *International Science and Technology Journal of Namibia* 4: 23-30

Kapewangolo P., Omolo J.J, Bruwer R., Fonteh P., Meyer D. (2014) Antioxidant and anti-inflammatory activity of *Ocimum labiatum* extract and isolated labdane diterpenoid. *Journal of Inflammation* (in press)

Chapters in Books

Kazembe LN, Kandala, N-B. Analysis of mortality using census and household data: a practical multilevel Bayesian approach. In: Odimegwu C and Kekovele J (2014) *Continuity and Change in African Demography*. Taylor and Francis, pp: 33-59.

Mbale Jameson, Maria Ntinda, and Stefanus van Staden E-government service delivery model (eGovSDM): Aspects of Namibia's road-map to Vision 2030. In: *Computing in Research and development in Africa. Benefits, trends, challenges and solutions*, Springer.



OSHAKATI CAMPUS

Director:
Ms Paulina Uugwanga



INTRODUCTION

The Oshakati Campus provides quality higher education through teaching, research and advisory services to its students with the view of producing a competitive human resource capable of driving the public institutions towards a knowledge-based economy, economic growth and improved quality of lives. The campus offered certificates, diplomas and undergraduate degrees, short courses and advisory services to our customers through full-time and distance modes.

The Oshakati Campus also aims to *educate, enlighten and serve the rural* community with vigour and passion towards the development of people through teaching, research and community engagement through inclusive education, life-long learning, applied research and community service of the highest standard.

The Campus believes that having students taught by highly qualified academic staff translates into quality teaching. Dr. Ndapewa Shifiona graduated with PhD from the University of Johannesburg. Dr. Lusia Pinehas and Dr. Hanna Neshuku also completed their PhD studies to be awarded in April 2015 as well as Dr. Moses Chirimbana. Many more academic staff members are still in the process of obtaining their PhDs.

Mr. Kaundjwa, A.O. completed his MSc, thesis title: Influence of process oriented guided inquiry learning (POGIL) on science foundation students' achievements in stoichiometry problems at the University of Namibia. Mrs. Agrippina Kaanandunge continued with her Honors study in Information Science with UNISA while Malakia completed the Certificate in Business Management with NAMCOL.

CAMPUS MANAGEMENT

The Campus owes its outstanding achievement to date to the diverse representation of other UNAM Faculties and Centres at the Main Campus. The Oshakati Campus management team comprise 13 members which are the Director CES Dr. RM Shikongo, Deputy University Librarian Mr. J Ndinoshiho, and Oshakati Campus Librarian Ms. G Shilongo, the Assistant Director Estate Services Mr. L Mbangula, Communication and Marketing Mr. L Hamunyela, Deputy Associate Dean for Nursing Ms. HK Udjombala, CEQUAM Coordinator Ms. AM Kamati, Science Foundation Program Coordinator Ms. LT Nghipandulwa, Coordinator Language Centre Mr. V Nangombe, Coordinator Computer Science Dr. A A Anghuwo, Representative for DoS Ms. I Asino and one member of the Student Representative Council. The Campus Director, Ms. Paulina Uugwanga chairs the Campus Management Committee. One of the important management activities during the year under review was that members of management attended a leadership workshop at Windhoek during July and left the workshop empowered.

ACADEMIC ACTIVITIES

Undergraduate teaching on Campus emanates from the Schools of Nursing, the Centre for External Studies and from courses offered under the Science Foundation programme. Committed Academic Staff members on Campus are involved in high level teaching and to certain extend research activities with the access to internet and the library contributing to a conducive learning and research environment. Through a number of certificates, diplomas and degrees programmes, the Centre for External Studies (CES) Oshakati Campus staff provided educational guidance and assistance to distance and

OSHAKATI CAMPUS



open learning students during the academic year 2014. The most significant highlight of 2014 came in a form of the introduction of the new diploma in Computer Science in collaboration with the Faculty of Science.

Involvement in teaching across campuses where capacity allowed continued. Dr. Hermine Iita and Ms. Hilikka Udjombala, Mr. Shiwana Naukushu and Mr. Veiyo Nangombe offered lectures to the students at Jose Eduardo dos Santos Campus. Dr. Anna Anghuwo and Mr. Petrus Hanguhah taught Basic Computer Literacy at Ogongo while Mr. Veiyo Nangombe and Ms. Anna Muteka also taught various English modules at Ogongo.

The library continued to serve as a Legal Depository Centre for the Northern Regions and as such it continued playing its national mandate by availing reading and study materials to the community members. Library usage increased year by year, a positive indication that the community considers the library activities as knowledge transmitting and disseminating in order to contribute to a culture of reading and passing on of knowledge through reading. For example, a total number of 13 406 visitors from April to November 2014 were recorded.

Annual orientation took place on the campus and most of the new students to UNAM were introduced to the library environment: information facilities services and resources that are available for all students and staff. In the regions where many students still struggle to get access to university education because of the past poor education background, the campus continued to be involved in multiple access programmes to widen access such as the Science Foundation Programme and the English Access Course.

The year 2014 marked the 10th anniversary of the Science Foundation Programme. The programme is a bridging course which was started with the primary objective to increase the quantity and quality of prospective students who would like to pursue science-related programmes at the University of Namibia. The programme enrolls Grade 12 graduates with science subjects but who could not meet the entrance requirements for the Faculty of Science and other science related programmes. In addition, it also reaches out to orphans and vulnerable children as well as children from marginalised communities. Due to the increasing demand for bridging courses in the country, the programme was replicated to the Khomasdal campus in 2014. This expansion enabled UNAM to reach out to many aspiring former Grade 12 learners across the country, thus assisting government, particularly the Ministry of Education, in addressing the high levels of Grade 12 dropouts in the country.

The Language Centre reached out to a large number of students through teaching language core courses as well as an English Access Course designed to assist students whose UNAM entry is obstructed by poor English performance in Grade 12. Altogether 230 students were enrolled under the Language Centre Unit at Oshakati Campus. The greatest impact was the fact that English, considered to be a big national academic problem, was made passable through the language teaching in the Centre even in this area where English background is considered very problematic because of the historic past.

The Language Centre constituted the Curriculum Review Committee composed of representatives from all UNAM campuses. The Centre recruited Ms. Anna-Liisa Lawani as an English Access Course part-time lecturer and Ms.

Christine Mbuende as part-time lecturer of English for Multi-Purposes. The Language Centre expanded the Writing Excellence Unit services to satellite campuses in 2014, including Oshakati Campus for which Ms. Anna Muteka is its coordinator.

Involvement in nursing education through the offering of the Bachelor of Nursing Science (Clinical) Honours is considered as the greatest impact to the national health development. The Campus prides itself with the continued legacy of contributing to producing human capital in the form of health workers for the entire nation over the years.

Lecturers in the School continued with their commitment to quality teaching in line with the Vision and Mission of the University as well as that of the School. The School underwent accreditation conducted by the Namibia Health Professional Council in June 2014 to determine as to whether the School still adhered to the principles and standards of teaching and learning. The outcome was positive.

The School implemented monitoring of class room teaching of individual lecturers supervised by Heads of Department for quality assurance and mentorship purposes.

The Oshakati campus opened its doors for the first time to a Diploma in Computer Science during 2014 and enrolled 16 students. The campus hosts the largest number of students under the Centre for External Studies (CES). Teaching and learning as well as student support activities including material dispatching to students took place under the directorate of the CES on this campus.

RESEARCH AND PUBLICATIONS

Several research and publications emanated from the Campus during the review period.

litca, H. (2014). 2nd Commonwealth Nurses Conference titled: "Nurses and Midwives: Agents of change", London, United Kingdom 8-9 March 2014. Paper: Strategies to support use of the Nursing Process in local Primary health care practice in Namibia. Refereed Conference Presentation. Abstract contained in the conference abstract booklet and conference programme accessible at www.commonwealthnurses.org. While the conference presentation is accessible at www.commonwealthnurses.org/conference_2014/documents.

Pinehas, L.N., Shifiona, N.N., & Shikongo, KKI (2014): Celebrating UNAM-Oshakati campus health day/world health day: a community service, professional and personal experiences. Journal: Journal of Advance Nursing Studies, 3 (1), 24-26. DOI: 10.14419/ijans. ISSN 2227-488.

Pinehas, L. N. (2014). Health care needs of displaced women living in Osire refugee camp in Namibia. Paper submitted for review and publication: Journal International Nursing Review of the ICN.

Katriina Kuna I. Shikongo. Knowledge of sociology of development applied to nursing practice by registered nurses in public training hospitals in Namibia, September 2014, Pages: 78-83 DOI: 10.14419/ijans.v3i2.2904, Published online: 2014-08-25.

COMMUNITY ENGAGEMENT

Campus involvement in health outdoor activities

contributed to improved health standards in the community. The School of Nursing was involved in community services and participated in a number of workshops and conferences. Lecturers acted as both internal and external moderators for both Masters and Doctoral thesis.

The School also organized commemoration of a mental health day during August held at Intermediate Oshakati Hospital. The aim was to create awareness on mental health. Counseling was provided during the session to either the caretakers of mental health ill patients or to the clients themselves. Nursing students participated in national immunisation campaigns and home based care of patients with terminal diseases. Final year students were placed at rural health facilities around the northern four regions for a period of five weeks, under the supervision of the lecturers.

With the assistance of the Ministry of Finance, the Small Business Development Centre continued to train out of school youth in record keeping. The Centre is still in partnership with the Development Bank of Namibia to mentor the bank's clients in book keeping and financial skills. The support by government and financial institutions mark their recognition that they look upon the Campus as a leader in financial skills for the upcoming entrepreneurs.

Furthermore, as part of its social responsibility, the Campus also shared the laboratory facilities and resources with secondary schools within the area of Oshakati including other UNAM campuses, mainly the Jose Eduardo dos Santos campus and the Hifikepunye Pohamba campus through the Science Foundation Programme.

About 15 fourth-year nursing students provided health

exercises/check-ups such as weight measurements, blood pressure and health education to staff and students during the week of 7th to 11th April 2014. HIV Pre and post-testing counselling was provided to students and staff during that week. Staff members from Tonateni Centre (NewStart) in Oshakati provided HIV pre and post-test counseling as well as HIV testing on Campus. Those identified to require further counseling and specialised care were referred for in-depth counseling depending on the outcome of the test and personal circumstances.

The Student Counsellor marketed UNAM programmes to schools in and around Oshakati as well as at the three day Career Fair for grade 10 and 12 learners in Oshana, Oshikoto, Ohangwena and Omusati regions held at the Sam Nujoma Multipurpose Youth Centre in Ongwediva. This platform increased the visibility of UNAM as a brand and higher education training provider. Learners showed keen interest in the programmes offered by UNAM.

OTHER CAMPUS ACTIVITIES

The campus hosted a Professor from the Netherlands who assisted in drafting a curriculum for a Masters in Development Studies.

Two stakeholders meeting for the introduction of a Masters in Development Studies were held in Ongwediva and in Windhoek respectively. The workshop attracted a diverse representation from industry who were supportive of the plans to introduce the said Master's programme. A campus planning retreat took place at the coast and was attended by a great majority of administrative and academic staff. This activity was a significant booster for team building and has become very instrumental in instilling positive work ethics among staff.

CONCLUSION

Management is proud to declare the year under review a success. With support of the Staff Development Committee of UNAM, the majority of staff were accorded opportunities to study. Hence, the number of PhD holders have increased. Although there is still a need to put effort in building research capacity, there has been an increase in the number of research activities and publications. The community engagement activities and collaborations that took place revealed the confidence that the public and international community have for the Campus and a significant integration in order to improve quality education and services.









Activities
OF
ACADEMIC CENTRES

CENTRE FOR QUALITY ASSURANCE AND MANAGEMENT (CEQUAM)

Director: Dr Sifiso Nyathi



INTRODUCTION

The Centre for Quality Assurance and Management (CEQUAM) aims at developing the University's capabilities in the area of Quality Assurance in order to improve and update academic and managerial activities. It is also responsible for administering and facilitating the operationalisation of UNAM's Quality Assurance and Enhancement Policy and Procedures.

Quality Assurance activities at UNAM are regulated by its own Quality Assurance Policy as well as the National Quality Assurance System for Higher Education under the auspices of the National Council for Higher Education (NCHE) and some provisions of the Namibia Qualifications Authority (NQA) statute.

THE CENTRE'S MAIN OBJECTIVES ARE:

- Ensuring a good quality culture within the University;
- Improving the quality standards of academic, research, community engagement and support services activities within the University. This entails participation by all stakeholders;
- Building capacity within the University in terms of Quality Assurance tenets and practices, and
- Implementing quality standards that are benchmarked with local, regional and international best practices, whilst taking into consideration the specific needs and conditions of the University of Namibia.

Through Quality Assurance interventions, CEQUAM strives to guarantee its clientele value for money, fitness for and of purpose, relevance of programmes, customer satisfaction and transformation. In so doing, the Centre provided assurance to its stakeholders that

the time students spend at UNAM is used effectively to transform and prepare them to live, work and contribute meaningfully to national socio-economic development.

CEQAUM'S ACTIVITIES ARE AIMED AT THE FOLLOWING OUTCOMES:

- Improved student performance and success in learning;
- Improved work performance of academic and support staff;
- Enhanced transparency and stakeholder confidence;
- Enhanced capacity to compete with other higher learning institutions nationally, regionally and globally.

CEQUAM 2014 MILESTONE ACTIVITIES

Registration of qualifications on the National Qualifications Framework

Registration of qualifications on the National Qualifications Framework (NQF) is a statutory requirement, which is also a prerequisite to accreditation of programmes by National Council on Higher Education (NCHE). One of CEQUAM's mandates is to make sure that all UNAM qualifications are registered on the NQF and accredited. The year 2014 has observed a drastic increase in the number of qualifications registered on the NQA as over 65 qualifications were registered during the year under review. This number is envisaged to double or even triple in the year 2015.

Quality assurance capacity building activities

One of CEQUAM's objectives is to build capacity in the

**CENTRE FOR QUALITY ASSURANCE
AND MANAGEMENT (CEQUAM)**



area of quality assurance and promote a quality culture among the staff and students alike. A strong culture which is shared by the academic leadership, staff and students helps to reinforce the effectiveness of UNAM's quality assurance system. It emphasises a commitment to the enhancement of quality on the part of all staff members and students at all functional levels. Through the promotion of quality culture, everyone at UNAM will understand that he or she has a responsibility as regards to maintaining the quality of education or service; take ownership of and use the systems which are in place in their day-to-day activities for maintaining and enhancing quality (i.e. continuous improvement).

In achieving the latter, CEQUAM facilitated successful training workshops that focused on a number of areas:

- (i) translating QA policy into tangible, practical activities that can be measured;
- (ii) interrogating the role of QA Coordinators;
- (iii) how to conduct departmental self-reviews;
- (iv) how to write audit reports;
- (v) how to develop Self Improvement Plans and the implementation thereof.

For time immemorial, UNAM has been unconsciously subjected to world and continental rankings without its conscious participation. The unconscious ranking of UNAM was done because as an institution, we did not have a Department dedicated towards applying ourselves to this process.

Since the rankings are premised on institutional Quality Assurance processes, CEQUAM has taken it upon itself to learn the art and science of preparing the institution for such an act by sending Dr. Ngepathimo Kadhila and Mr. Edwin Nalisa to attend a conference on University

Rankings in Brussels, Belgium in June. Flowing from the conference, CEQUAM hosted a one-day training/workshop on University Rankings, in August to prepare the institution to be able to consciously package itself for such rankings.

An expert in the U-Multirank from Germany (Director of the system) assisted by Dr. Kadhila and Mr. Nalisa who attended the Brussels conference above, facilitated a workshop for Deans, Directors and HOD's in University Rankings.

Mr. Bethold Kaurivi and Mr. Vincent Matakala attended an International Network for Quality Assurance Agencies in Higher Education (INQAHE) conference in Tallinn, Estonia in the month of May. In July Aina Kamati and Selma Alfeus attended the First Southern Africa Sub-regional Quality Assurance in Higher Education Conference that took place at Victoria Falls in Zimbabwe. At that conference, Mrs. Kamati gave a presentation on "The Role of a Quality Assurance Unit at a Higher Education Institution: A case of the Centre for Quality Assurance and Management of the University of Namibia".

DEPARTMENTAL QUALITY AUDITS/REVIEWS

Quality audits/reviews are activities that are aimed at continuous improvement of the quality of service delivery at UNAM. Apart from the Language Centre, Namibia Business School, Faculty of Education, Faculty of Economic and Management Sciences, Faculty of Science and the Office of the Dean of Students which underwent quality audits in the previous years, CEQUAM undertook Quality Audits/Reviews for Human Resources Directorate, School of Postgraduate Studies, and Faculty of Law during the year under review.

All audits culminated into audit reports which clearly spelt out commendations (areas of strengths) and recommendations (areas needing improvement). These reports were presented to the University Management for approval and the Deans Committee for endorsement. The reports were then reduced to self-improvement plans in consultation with the relevant stakeholders, specifying activities, designated responsibilities and timeframes in order to address the requirements and recommendations of the audit reports for the purpose of follow-up, validation and closing the quality loop by the institution or concerned divisions. Implementation of these Self-improvement Plans is work in progress under the auspices of the Implementation, Monitoring and Evaluation Committee (IMEC). This is a high level Committee put together by the Vice Chancellor to ensure that the outcomes of quality audits are effectively used for continuous improvement.

PROGRAMME ACCREDITATION

During the year under review, CEQUAM coordinated the process of three UNAM qualifications to undergo NCHC accreditation. The three NQF registered programmes that were selected for this accreditation are: Bachelor of Laws Honours - Faculty of Law; Bachelor of Science in Metallurgical Engineering Honours - Faculty of Engineering & IT; and Bachelor of Science in Chemistry Honours - Faculty of Science. The process is anticipated to end in 2015 and seven more programmes were identified to go through the same exercise.

STUDENT QUALITY DAY

Quality Assurance is a concept and a system that is fairly new in educational institutions, hence the need for a continuous sensitisation drive to make staff and

students aware on what the concept entails and to educate them on its importance. Not only is a Student Quality Day important for instilling a quality culture, but it is also important for students to celebrate the successes and achievements of their institutions and thereby instilling a sense of pride in them. This day also provides a platform for students to raise concerns and problems they experience, which are then listed and acted upon through an improvement plan developed to address all such problems. The subsequent effect of such Student Quality days has been that all accountable persons become aware of the students concerns and act upon them or prioritise them on their budgeting processes.

The development of a Quality Assurance culture requires that students be placed at the centre of the Quality Assurance activities. As it has become a norm now, the year under review observed the celebration of two Student Quality Days, one in the first semester hosted by Mr. Vincent Matakala at Katima Mulilo Campus and the other one in the second semester hosted by Mr. Job Amupanda at the Medical School Campus, under the Theme *My UNAM, My University, My Pride!*

The event at Katima Mulilo Campus was honoured by the presence of the Honourable Minister of Agriculture, Mr John Mutorwa, and the Governor of the Zambezi region, Honourable A. Sampofu, as well as high dignitaries from the Ministry of Education, including the Regional Director of Education, Mr. A. Samupwa.

The Student Quality Day at the Medical School Campus observed motivational speeches by some prolific scholars such as Prof. Joseph Diescho, the NIPAM Executive Director; and a UNAM alumnus in the corporate world, Ms. Kadiva Hamutumwa from Namwater.

INTERNATIONAL LINKAGES

As a means to draw from international best practices, CEQUAM created formidable links with many institutions as well as Quality Assurance Agencies at both University and International levels. For instance, at international level, CEQUAM participated in INQAAHE activities. This is an international body that celebrates quality issues at University and national levels. Similarly, CEQUAM effectively responded to the call for African rating of universities (AQRM) through the call by the Association of African Universities AAU and the AU.

In addition, CEQUAM effectively fortified its bilateral networking links with the University of Kwazulu Natal (UKZN) and the University of Cape Town through staff exchanges in quality assurance activities. The same can be said of CEQUAM's links with the University of Mauritius and its links with the Copper Belt University of Zambia.

CENTRE FOR EXTERNAL STUDIES (CES)

*Director:
Dr Regina M. Shikongo*



INTRODUCTION

The Centre for External Studies (CES) is an academic centre established with the aim to ensure greater access to higher education and equity for students with diverse educational backgrounds. The Centre supports the offering of certificates, diplomas and degrees in various fields through the Open and Distance Learning (ODL) mode.

The Centre comprises of three Departments: Student Support; Student Administration; and Materials Development and Instructional Design. The Centre manages ten Regional Centres across the country, while a new centre was established in Opuwo, Kunene Region. During the year under review, more than 3 700 students from all regions in Namibia enrolled through CES.

The Centre was led by Dr Regina M. Shikongo as Director, with Dr Nchindo Mbukusa as Deputy Director and Mrs Carin Slabbert heading the Administration section as Assistant Registrar. The Heads of Departments were Dr Haaveshe Nekongo-Nielsen (Student Support) and Mrs Agathe Lewin (Materials Development and Instructional Design).

ACADEMIC ACTIVITIES

During the year under review, the Department of Student Support continued to provide learner support by organising academic orientation for tutors and students, vacation schools, video conferencing as well as telephone, SMS, e-mail and portal tutoring. In addition to teaching duties, the Department further assisted in the provision of Saturday tutorials at most of CES centres, specifically in challenging subject areas such as Science, Economics and Accounting, and was instrumental in

furthering the usage of the Multi-media technologies in distance teaching. The Department also submitted a number of curricula for registration on the NQF.

The Centre for External Studies endeavours to develop approaches that help students to become critical thinkers and lifelong learners.

Academic relationships with University faculties remained strong and joint meetings on materials development and student support services continued during the year under review. The Centre participated in collective activities with national and international Open and Distance Learning (ODL) institutions through the Namibia Open Learning Network (NOLNET), the Distance Education Association of Southern Africa (DEASA) and the Southern African Society for Education (SASE).

A retreat held at Heja Lodge was facilitated by two international experts in the persons of Dr TJ Nhundu from the Botswana College of Distance and Open Learning (BOCODOL) and Prof Vivienne Roberts from the University of the West Indies. The retreat was well attended and focused on the CES vision of its activities for the next five years. An *ad hoc* Committee was formed to look at the structure and functions of the Centre and to suggest an appropriate model for Distance Education at UNAM. Some resolutions were incorporated in the CES strategic plan.

RESEARCH AND PUBLICATIONS

During 2014, Centre staff were involved in various research activities, while a number of staff members attended research conferences at national and international levels to present their findings.

CENTRE FOR EXTERNAL STUDIES (CES)



Conference proceedings

Jonas, M.N. P. & Nekongo-Nielsen, H. (2014) Linking Indigenous Health Knowledge to Literacy Learning: The Namibian Case Study. A Paper presented at the Southern African Society for Education (SASE) Conference in Swakopmund, Namibia.

Lilemba, V.; Nekongo-Nielsen, H. & Njambe, J. (2014) Perceptions and experiences of beneficiaries of indigenous healing practices in Kaliyangle District of the Zambezi Region, Namibia. A Paper presented at the Southern African Society for Education (SASE) Conference in Swakopmund, Namibia.

Liswaniso, J. & Mbukusa, N. R. (2014) Teacher participation in the management of schools: a survey analysis of Zambezi Region teachers' perceptions. A paper presented at the 41th Annual International Conference of the Southern African Society for Education, Swakopmund, Namibia.

Paulus Katoma Eita, P. K. & Mbukusa, N. R. (2014) The roles of science heads of department in the pursuit of excellence in Otavi Circuit, in Otjozodjupa region of Namibia. A Paper presented at the 41th Annual International Conference of the Southern African Society for Education, Swakopmund, Namibia.

Chindongo, C. I. & Mbukusa, N. R. (2014) Exploring the barriers that impede parental involvement in children's education at Sauyemwa Junior Secondary School. A Paper Presented at the 41th Annual International Conference of the Southern African Society for Education, 07 - 09 October 2014, Swakopmund, Namibia.

Peer reviewed articles

Brown, A.; Lewin, A. & Shikongo, R.M. (2014) University

of Namibia Academics Perceptions of Face to Face Learning and Open and Distance Learning (ODL). *International Journal of Humanities Social Sciences and Education (IJHSSE)*. 1(8): 101 – 108

Nekongo-Nielsen, H.; Mbukusa, N.; Tjiramba, E. & Beukes, F. (2014) Investigating factors that lead to school dropout in Namibia. *Namibian CPD Journal for Educators (NCPDJE)* (in press).

Chapters in books

Hamunyela Miriam and Haaveshe Nekongo-Nielsen Education provision for older adults in Namibia. In: Eindsen Brian and Marvin Formosa (2014) *International Perspectives on Older Adults Education: Research, Policies and Practice*

Mbukusa, R.N & Shikongo, R.M. (2014). Understanding Open and Distance Learning for Massive Participation in Dual Mode Universities: Working models in 21st century. A Paper presented by CES-UNAM at Universide Eduardo Mondlane Cento De Ensino A Distancia (CEND) on 2 July 2014, Maputo, Mozambique

Shapaka, R.; Iiyambo, T.C.K. & Shikongo, R.M. (2014). An investigation of Principals' Management Styles in Oshana Region. A Paper presented at the Southern African Society for Education (SASE) Conference in Swakopmund, Namibia.

COMMUNITY ENGAGEMENT

The Centre continued to participate in collaborative engagement activities with other open and distance learning institutions through the Namibia Open Learning Network (NOLNET) and other allied organisations

within the SADC region. CES is an active member of the Distance Education Association of Southern Africa (DEASA), the Executive Committee of the Namibia Educational Research Association; the Southern African Society for Education (SASE), the Southern African Association of Research in Mathematics, Science and Technology Education and the Distance Learning Task Force (I-TECH).

CES staff continued to contribute as active members on various NOLNET committees with Dr Haaveshe Nekongo-Nielsen serving on the Centre Support Committee; Ms Emma Scheepers on the Standing Committee on Information and Publicity; Mr Godwin Murangi on the Research Standing Committee; Ms Emmie Tjiramba on the Standing Committee of Quality Assurance and Ms Carin Slabbert on the Management Committee, while Mr Japhet Kazavanga was the Vice chairperson of NOLNET Training Committee.

Dr Regina M. Shikongo served as secretary of the Women Clay Pot Projects in Oshana Region while Dr Nchindo Mbukusa coordinated the curriculum design for the community elementary school in Katima Mulilo. As a Coordinator of the Church project at Mavuluma SDA Church, he visited similar schools in Brazil, October 2014, for benchmarking exercise for their project.



CONTINUING PROFESSIONAL DEVELOPMENT UNIT (CPD)

Director: Dr John Nyambe



INTRODUCTION

The key function of the CPD Unit is to ensure a collaborative, seamless, well-coordinated, sustainable and site-based professional development of educators that is responsive and ongoing. Its mandate is to: Provide leadership in the establishment of a coordinated and seamless CPD system for educators in Namibia; facilitate the identification of priorities for CPD and ensure coordination and collaboration in planning, designing, development and implementation of CPD programmes and activities; develop and implement a credit hour award system for CPD recognized by UNAM, and design and manage a database of credit hour accumulation by educators; provide rigorous and sustained monitoring and evaluation (M&E) of all CPD programmes and activities to inform CPD planning and decision making; and to facilitate capacity building of partner institutions.

HIGHLIGHTS OF ACHIEVEMENTS

Consolidation of the Decentralised CPD Model

In the year under review, the CPD Unit continued its support to the regional directorates of education to further entrench and institutionalise the decentralised model of CPD which was adopted by the Ministry of Education in 2011. This entailed regular site-based support visits to the fourteen regions of Namibia. In addition, the CPD Unit also collaborated with the regional directorates of education to develop two sets of CPD Implementation Guides targeting implementation of CPD at regional level and the school/site-level. These guides were necessitated by the fact that a culture of ongoing learning that is structured and is taking place at the site level was not well developed in most regions and educators continued

to express challenges understanding the concept of site-based learning and implementing it. Training on the guides will be offered to the regions in 2015.

Development of Teacher Support Materials in English, Mathematics and Science

The Ministry of Education administers National Standardised Achievement Tests (NSATs) to Grades 5 and 7 learners in English, Mathematics and Science. After every administration of the tests a persistent outcome is that Namibian learners are not achieving the expected competencies in these early grades. Most learners perform at the below basic level in English, Mathematics and Science, both Grades 5 and 7. Yet, research indicates that the nature and quality of learning in these early grades influence the child's learning in subsequent years. The implication of the low learner performance on the NSATs is that teachers have problems teaching some of the competencies that were being tested. The results were thus analysed, competencies where learners under-performed were identified and teacher support materials were developed.

The Science and Mathematics teacher support materials were pilot tested, corrected, digitised and are ready for deployment in 2015 while the English teacher support materials will only be pilot tested in 2015.

Instructional Leadership Training for School Managers

During the year under review, the CPD Unit collaborated with the Programmes and Quality Assurance (PQA) Directorate in the Ministry of Education and trained a total of 59 regional based master trainers in *Instructional Leadership for School Managers* plus a total of 1 693 school principals. The training

**CONTINUING PROFESSIONAL DEVELOPMENT UNIT
(CPD)**



was financially supported by the Millennium Challenge Account Namibia (MCA-N) with technical support from the African Leadership Institute (ALI).

The *Instructional Leadership Training for School Managers* came about following a national needs analysis and also in the context that in Namibia, candidates aspiring for the position of school leadership often ascend to this position by virtue of their being good classroom teachers. There has been no state mandated programme that is deliberately designed to prepare school managers for this important task. Yet, school managers, as instructional leaders, have a bearing on learner performance. The *Instructional Leadership Programme for School Managers* will be formalized into a university credit bearing course.

ICT Literacy and ICT Integration for Educators

Through collaboration with the Faculty of Science (Computer Science Department) modules in ICT literacy for educators were developed. Similarly, modules in ICT integration for educators were also developed through collaboration with the Faculty of Education. The first cohort of educators on the ICT literacy course is expected to start in June 2015.

Profiling of the “Un” and “Under-Qualified” teachers in the system

The CPD Unit conducted a profiling study of the “un” and “under-Qualified” teachers in the Ministry of Education, with a total of 3 000 under-qualified teachers and 1 208 un-qualified teachers according to the 2012 Education Statistics, the latest available data in the Ministry of Education. The purpose of the profiling exercise was to establish the different

teacher profiles of the “un” and “under-qualified” teachers and to establish what training opportunities existed in the Namibian higher education sector that matched these profiles. The exercise also examined the implications these profiles held in terms of financial support and general student support services if these teachers were to be put on the identified existing teacher education programmes following a multi-mode approach that comprised distance, occasional face-to-face and online learning. Presentations on the outcome of the profiling study, and proposals regarding the way forward, were made to the Ministry of Education.

CHALLENGES

One of the key challenges in implementing CPD during the year under review was the lack of or absence of a CPD regulatory framework in the form of an educator policy. An educator policy would state the Ministry of Education’s requirements for CPD as well as the sanctions (positive and negative) involved.





DISABILITY UNIT

*Coordinator:
Ms Drussila Kandjii*



INTRODUCTION

Students with disabilities have been identified in various Governmental policy documents as being historically disadvantaged and deserving of special attention. More and more tertiary institutions are now focusing on the mainstreaming and inclusion of students with disabilities. UNAM established the Disability Unit (DU) to offer specialised services to students with disabilities.

There is a draft policy on disability that will focus on both staff and students with disabilities. The Policy is looking at including aspects of both staffing and service delivery in the university. This would also allow for more focus to be placed on assistance for disabled students. After finalising the policy, an awareness campaign will be placed on the UNAM website.

The DU has two staff members and 47 registered students. This year UNAM registered 15 students with different types of disabilities including chronic diseases.

The University graduated a total number of five students who completed the following courses: BBA (male – wheelchair bound), Media Studies (female – wheelchair) and Bachelor in Industrial Psychology (female blind).

In order to benefit from the specialised professional services, the Unit was realigned to fall under the Office of the Dean of Students.

ACADEMIC ACTIVITIES

The Unit performed the following:

- Facilitated additional exam time for students with disabilities;

- Produced study materials in accessible format (for example braille) and computer with talking software (window eye);
- Facilitated students funding and housing on campus;
- Provided counselling services;
- Assisted with registration procedures;
- Provided mobility training;
- Raised awareness on disabilities issues;
- Gave general academic support; and
- Assisted the students to participate in sporting activities.

Counselling support is one of the new services that the DU Unit offers. Students with disability are more comfortable to talk with the DU staff on certain matters than to personnel at the ODS. The Unit deals with most cases but the more complicated ones are referred to the professional staff within the ODS.

Students with disabilities at any mainstream tertiary institution can feel very isolated at times. During the year under review, the Unit took nine UNAM students with disabilities to South Africa and visited the University of Cape Town, Stellenbosch, the Cape Peninsula University, as well as Sensory Solution, one of the institutions in Cape Town where the Unit purchases its equipment. The purpose of the visits was to afford students an opportunity to observe and experience how others in similar situations cope.

The three Universities chosen have well established Disability Units. However, the manner in which they function and the effectiveness of their services differed from institution to institution. One lesson learned is that these Universities made reasonable adjustments to facilitate learning, employment and encouraged

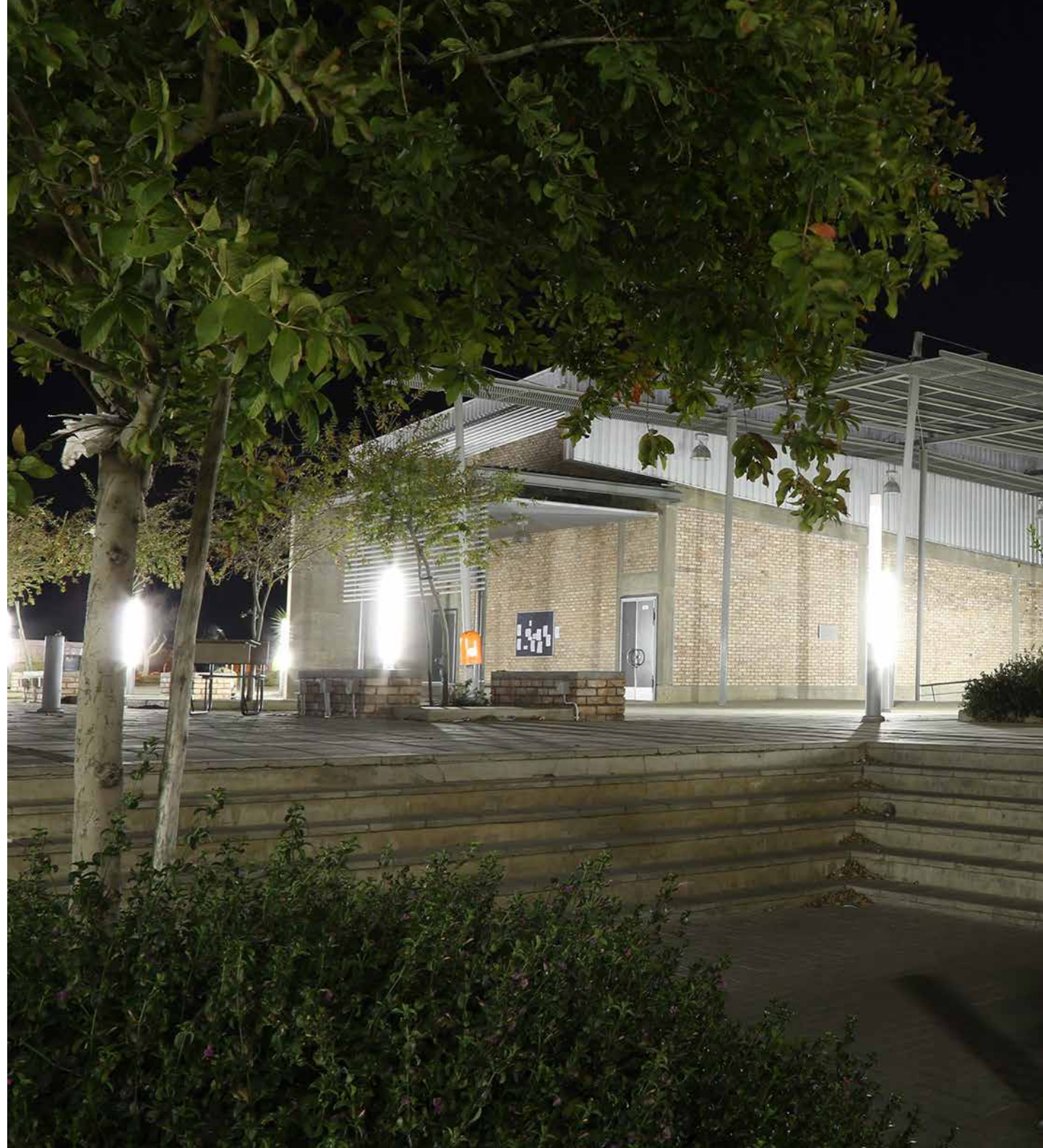
DISABILITY UNIT



students who faced discrimination in their everyday life because of impairment.

COMMUNITY ENGAGEMENT

The Coordinator attended the International Day for People with Disabilities in Opuwo and shared views on how UNAM can change the life of a person living with disability through education.





LANGUAGE CENTRE

Director:

Dr Liswani Simasiku



INTRODUCTION

The Language Centre serves as a centre for language learning, teaching and research. The key focus is on the upgrading of competence in the use of English, and the teaching of the University core English modules namely English for Certificate Purposes, English for General Communication, English Communication and Study Skills, English for Academic Purposes and Academic Writing for Postgraduate Students.

In addition, the Centre offers a variety of foreign and Namibian languages and also provides translation and consultancy services by offering tailor-made courses to the wider public and business community in Windhoek, Oshakati, Swakopmund, Walvisbay, Rundu and Katima Mulilo. After numerous requests by the public, the Language Centre introduced the teaching of Kiswahili, one of the official languages of the African Union and becoming increasingly important as a business and trade language in Africa.

As a national Centre of language excellence, the Language Centre endeavours to serve students, staff of the university, and the broader community.

ACADEMIC ACTIVITIES

Mrs. Agnes Simataa, and Mr. Christopher Masule completed their master degrees, while Dr. Liswani Simasiku completed his doctorate degree. Ms. Letitia Willemse, Ms. Elizabeth Namundjebo and Mr Joseph Mukoroli are pursuing Doctorates, while Mrs. Jill Izaks is enrolled for a Masters. These staff development efforts aim to build staff capacity and improve teaching and learning in the Language Centre.

RESEARCH AND PUBLICATIONS

Staff members participated in a number of research activities that culminated in the following publications during the year under review:

Mukoroli, J. (2014) Sign-posting critical thinking as the 5th skill: An indispensable tool for the 21st century student. London: Infonomics Society Publishers.

Hamakali, H. P. S., & Amakali, J. L. (2014) The effects of gender on second language learning. Paper presented at the Faculty of Humanities and Social Sciences Annual Conference.

Hamakali, H. P. S. (2014) Krashen's theory of second language acquisition as a framework for integrating social networking in second language learning. Paper presented at the Education Conference, at the University of Namibia, Rundu Campus.

Simasiku, L., Kasanda, C. D., & Smit, T. (2014) Teaching subjects matter through English as the medium of instruction in the namibian English second language classrooms. *2nd Mediterranean Interdisciplinary forum on Social Sciences and Humanities, MIFS* (pp. 313 - 324). Almeria, Spain: European Scientific Institute.

COMMUNITY ENGAGEMENT

Mr. Hafeni Hamakali, Mr. Christoph Hamurenge and Mr Christopher Masule served as tutors in the English Language Proficiency Programme, where they prepared teachers for the English Proficiency Examination in the Khomas Education Region.

LANGUAGE CENTRE



LIBRARY

*University Librarian:
Ms Ellen Namhila*



INTRODUCTION

The Library facilitates excellence in teaching and learning, creates an appropriate study and research environment, anticipates and responds to student learning and research needs, contributes to positive graduate outcomes and provides an information infrastructure necessary for ground-breaking teaching, learning and research. To fulfill this mission, the Library sensibly expended its 2014 budgetary allocation in priority areas as articulated in the University Strategic Plan (2011-2015) and the Library Management Action Plan for the 2014 academic year. Consistent with its mission, the Library provided appropriate information facilities, services and resources that contributed to students learning and academic achievement, teaching and to research productivity of the university. The support provided by the Library during the year under review can only be construed as a significant contribution to the overarching university mission and strategic objectives.

The Library made several strides at improving service delivery during the 2014 academic year. These included a continuous stakeholders' engagement, evidenced by the second UNAM Library customer satisfaction LibQUAL+ Survey implemented in September and October 2014. The Library adopted this standardised and internationally recognised survey instrument to obtain user's feedback about its facilities, services and resources. Ultimately, users' perspectives will inform the library development agenda and areas that need improvement. Compared to the findings of the previous LibQUAL survey, preliminary results of the latest survey point to an improvement in terms of how users perceive customer service in the library. This positive finding can be attributed to customer care and emotional intelligence workshops attended

by the majority of library staff members during the 2014 academic year. These workshops were organised to address users concerns reflected in the findings of the 2012 LibQUAL survey.

Another highlight of the year under review was the successful upgrading of the library management system from the Millennium system to a more robust system known as Sierra. This new system is an open services platform with powerful functionalities that provide integrated resources management. Equally important, the new system offers the flexibility to meet the ever-changing needs of our growing libraries and users. The Sierra system was proudly launched during the first week of December 2014 without major technical or administrative glitches. Furthermore, while significant progress was made towards improving the Library website <http://www.unam.edu.na/library>, the actual revamping will only take place in 2015.

The Archives Unit continued to make good progress in rolling out the new university-wide filing system, which aims to improve records keeping and easy retrieval thereof. Five faculties and / or departments were covered during the year under review. These include the Faculties of Education, Economic and Management Sciences, the School of Nursing and Public Health, Neudamm Campus and the Estates Service department. In addition, the finding aids for the historical collections in the Archives Unit were added to the new archives database and can now be accessed online at <http://archives.unam.na/>.

Furthermore, the Library continued with a gradual process of improving its infrastructure. For example, the necessary funding was secured to extend the Library at the Hifikepunye Pohamba (HP) Campus. Similarly, progress was made in preparing documentations for the renova-

LIBRARY



tion of the Main Campus Library. At the new Southern campus in Keetmashoop, library services were offered from a renovated albeit temporary facility. Additionally, an Information Resource Centre was established at the Faculty of Engineering and Information Technology. Consequently, the collections of engineering books previously housed at Oshakati campus library were relocated to the Faculty of Engineering & IT in Ongwediva. Moreover, five additional librarians were employed to provide the necessary information services, a development appreciated by both students and staff of this faculty.

LIBRARY MANAGEMENT

- Ms Ellen N. Namhila continued to provide strategic leadership to the library as the University Librarian.
- Ms Ritva Niskala served as Deputy University Librarian based at the main campus in Windhoek. She also acted as University Librarian while Ms Namhila was on study leave during the year under review.
- Mr Joseph Ndinoshiho continued to serve as the Deputy University Librarian for library branches based in the north and north east.
- Mr Chenjerai Mabhiza continued to serve in the capacity of Head of User Services.
- Ms Irmela Pfohl continued to serve in the capacity of Head of Technical Services.
- Ms Violet Matangira continued to serve as the Head of Archives & Special Collections.

In accordance with its priorities, the Library continued to make headways in its human resources capacity building endeavors. During the year under review, there were a total of 33 library staff members upgrading their qualifications, including 3 pursuing their PhDs, 8 doing other post-

graduate programmes, 21 enrolled for Bachelor's degree and 1 enrolled for a Diploma.

ACADEMIC ACTIVITIES

Collection Development

The 2014 academic year was not different in terms of improving access to scholarly information resources to support teaching, learning and research at UNAM. Apart from the well-known reputable scholarly electronic databases such as Science Direct, EbscoHost, Emerald, etc., the Library added the following databases to its collections of electronic resources:

IEEE Xplore digital library – Acquired mostly for the Faculty of Engineering and IT, this is a powerful resource for discovery and access to scientific and technical content published by the Institute of Electrical and Electronics Engineers and its publishing partners. It provides web access to more than 3-million full-text documents from some of the world's most highly cited publications in electrical engineering, computer science and electronics.

MathScinet - A journal and online database published by the American Mathematical Society that contains brief synopses of many articles in mathematics, statistics and theoretical computer science. It is clear that the applicable value of this database is cutting across many UNAM faculties whose curricula include mathematics, science, statistics and computer science theory.

Business Monitor Online - Provides macroeconomics, political risk, industry, financial markets and company intel-

ligence. This database is particularly useful and relevant to academic programmes and research in the Faculty of Economic and Management Sciences, and the Faculty of Humanities and Social Sciences.

Juta online publication – This e-resource is primarily meant to support the information needs of students and staff in the Faculty of Law. It covers Namibian and South African law reports and statutes.

Statistical information continues to reveal that students and staff usage of electronic information resources is increasing. This justifies the Library's continuous investment in more electronic resources that are relevant to UNAM's curricula.

With regard to printed materials, a total of **11 987 titles** of books were added to the library collections during the 2014 academic year, compared to **14 854 titles** added the previous year. This reduction in the acquisitions of books is ascribed to the decline of the Namibian Dollar against major international currencies.

It is important to mention here that the Southern Campus was given more funds (15%) of the total books budget because of being a new campus with the greatest need to build core collections of relevant books. Similarly, new programmes such as the military science and veterinary medicine were comparatively allocated more funds to begin the process of developing collections of core supportive books.

Information Literacy Instruction Service

The Librarians continued to impart information skills to students and staff members during the year un-

der review. Induction sessions for new academic staff were conducted in conjunction with the Teaching & Learning Unit. While librarians provided information literacy instruction to users as required, it was also noted that there is a need to standardise the teaching methods and develop appropriate teaching contents for information literacy instructions.

A workshop to address this particular issue is expected to take place in the beginning of the 2015 academic year. The Library staff also continued to guide and assist students and staff with the information resources they need for their academic and research projects and activities. The main focus of information literacy instruction was again on scholarly information retrieval in electronic environment, with a specific focus on electronic databases subscribed by the UNAM libraries.

Reference Services

The most popular and top 5 dominant reference services during 2014 were: ready reference queries (1019), followed by OPAC search queries (594), undergraduate students literature searches (537), and then the library orientation (454). Other notable reference services were related to circulation queries (419) and postgraduate students' literature searches (355). These statistics show that the Reference Desk and Subject Information service points were quite busy throughout the year.

Circulation Services

A total of 225,713 circulation transactions (Check-in, Check-out, Holds and Recall) were recorded during 2014 as compared to 234,173 during 2013. It is evident

that there is an actual decrease in the circulation transactions performed during 2014 and yet the total student enrolment for 2014 was higher than during 2013. This is the first decrease in circulation transactions during the past 5 years. An investigation is therefore recommended in order to have a better understanding of the decrease in circulation statistics during 2014.

RESEARCH AND PUBLICATIONS

Peer-reviewed articles

Matangira, V. (2014). Tracing colonial and postcolonial recordkeeping in Zimbabwe. *ESARBICA Journal*. 33: 1-17.

Namhila, E.N. (2014). Uncovering hidden historical narratives of village women in Namibia. *Qualitative Research Journal*. 14(3): 243-258.

Namhila, E.N. (2014). Mentoring librarians for scholarly publishing. *IFLA Journal*.40(2): 120-126.

Namhila, E.N. (2014). Content and use of colonial archives: An under researched issue. *Archival Science: International Journal on Recorded Information*, 14(2). Available online: link.springer.com/content/pdf/10.1007%2Fs10502-014-9234-0.pdf & http://repository.unam.na/bitstream/handle/11070/1323/Namhila_Content_2014.PDF?sequence=1 (UNAM Institutional Repository).

COMMUNITY ENGAGEMENT

All UNAM Libraries continued to avail their services and resources to members of the public. Moreover, in terms of Section 8 of the Namibia Library and Information Service Act, 2000 (Act No. 4 of 2000), the Oshakati Campus

Library continued to serve as the place of legal deposit for the north central regions. As a result, it has received valuable Namibian publications from the National Library to support the information needs of researchers, students and members of the public.

Ms Namhila continued to serve as the Chairperson of the Namibia Library and Information Council (NLIC). She also continued to serve on the Governing Board of the International Federation of Library Associations and Institutions (IFLA). IFLA is the global professional representative body that serves the interests and contributions of the library and information service profession globally at international level. Mr Ndinoshiho served in the NLIC Legal Deposit Committee.

Mr Mabhiza was nominated to serve in the Research4Life World Advisory Council. The Research4Life Programmes provide the Namibian academic and research libraries, including UNAM and public libraries with free online access to full-text content to support research through: HINARI (Health and Social Sciences), AGORA (Agriculture and Natural Resources), and OARE (Environmental Sciences). He also continued to serve in the capacity of International Network for the availability of Scientific Publications (INASP) Coordinator for Namibia. INASP provides Namibian libraries with free online access to full-text content from the following publishers: Universities of Edinburgh Press, Chicago and California Press, Royal Society Journals, Geological Society (Lyell), JSTOR, Cochrane Library and Policy Press.

MULTIDISCIPLINARY RESEARCH CENTRE (MRC)

Director: Dr Nelago Indongo



INTRODUCTION

The MRC conducts applied research directed at addressing social and scientific challenges in national development priority areas and include: coordination of multidisciplinary collaborative research, and forming partnerships locally and internationally. It also promotes research, its outputs, raises awareness of the importance of research as a tool for developmental solutions, value addition and product development. The MRC also carries out teaching and advisory services for the public. The year 2014 was an active year for the MRC where it made increased efforts to reach out to new research partners and disseminate its research findings to the broader community. Researchers at MRC were diligently involved in diverse research activities aligned to positively contribute to UNAM's strategic objectives; especially the main research related strategic objective of "increasing and broadening of research output".

MRC as a research centre of the University of Namibia continued to strengthen research collaboration with UNAM faculties and stakeholders, with the public and private sectors, as well as regional partners and beyond. MRC recognises the expertise within faculties and taps into it by including relevant faculty in research teams that are constituted for all research programmes. The current National Developmental Plan (NDP4, 2013-2017) addresses issues pertaining to economic development, and the sectors and enablers on which a vibrant economy can be sustainably based. The MRC strengthened its research efforts in such priority areas and is currently implementing research programmes as outlined in its 5-year research agenda.

MRC's research strategy is to provide relevant and accurate research information in various areas ranging from health, education, biodiversity, climate change, socio ecological systems, gender, etc. for policy decision making and programme interventions. This is evidenced by the deliberate commitment of resources at hand and the prodigious efforts at mobilising resources; to undertake research projects that can make an impact on achieving NDP4 and Vision2030 goals.

The MRC successfully conducted the first Namibia Malaria Elimination Symposium and the SASDIR Conference during the review period. A number of research outputs were presented at the said platforms attended by local, regional and international research partners, governmental and developmental agencies and other stakeholders. These platforms were also used to network and form strong research partnerships.

ACADEMIC ACTIVITIES

Research programmes executed in 2014 are listed below, a number of these were implemented in collaboration with UNAM faculties and in partnership with stakeholders within Namibia and beyond.

- Social Ecological System
- Community Adaptation to Change in Climate
- Land Reform and Resettlement
- Gender Based Violence
- Disaster and Risk Reduction
- Population Dynamics and Reproductive Health
- Malaria Operational Research in Ohangwena and Zambezi regions
- Drug Discovery and Development
- Wind Power Demonstration in Lüderitz

MULTIDISCIPLINARY RESEARCH CENTRE (MRC)



- Indigenous Knowledge Systems Technology (IKST) Food and Beverages
- Farms to Forks

The MRC team was proactive in developing research proposals for funding and the following research projects secured funding from various sources:

- Water Management and Governance in Namibia Rural Communities in collaboration with HSRC and funding support from NCRST and NRF.
- Ethnobotanical knowledge on medicinal plants used by traditional healers in Kavango region, Namibia in collaboration with the University of the Western Cape and funding support from NCRST and NRF.
- Indigenous knowledge in Reproductive Practices and Health Care: an intergenerational comparative study of Namibian and South African women, in collaboration with the University of Johannesburg and funding support from NCRST and NRF.
- Development and optimisation of high throughput screens for new drug development in Namibia as funded through Research and Publications Office at UNAM, NCRST
- Malaria transmission study in Northern Namibia in collaboration with UCSF and funding support from the Bill and Melinda Gates Foundation.
- Targeted Malaria Parasite Elimination in the Zambezi region in collaboration with UCSF and funding support from the Novartis Foundation for Sustainable Development.
- Microflora identification and Characterization of Oshikundu with funding support from NCRST.
- Pilot of National Indigenous Knowledge Management System in Kunene Region with funding support from NCRST.
- Development of a toothbrush sanitizer with funding support from NCRST.

- Nature based tourism with funding support from NSF-USA.
- Olufuko Festival: Practices and Prospects for Development with funding support from Outapi Town Council.
- Health Workers' Perceptions towards Maternal and Neonatal Care in Namibia with funding support from IntraHealth International in Namibia.
- Stakeholders Perception of the Namibian Airports Company with funding support from Namibian Airports Company.
- Qualitative Data Collection on Vocational Education Training in Namibia with funding support from MCA-N.
- Human Wildlife Conflict with funding support from WWF.
- Development of policy database for the National Planning Commission with funding support from UNDP.

Other research programmes were funded through the MRC's research operational budget. Furthermore, on capacity building, three MRC researchers were on staff development working towards their doctoral degrees; five (5) postgraduate research fellows (PGRFs) were working towards Master's degree and one towards a PhD. Two completed their studies and are due to graduate with MSc by research in 2015. Five postgraduate research fellows secured scholarships, four for their MSc studies from the DAAD, SABINA and fellowships from University of California San Francisco and the Calle Schlettwein Foundation. One received a PhD scholarship from the DAAD.

RESEARCH AND PUBLICATIONS

The MRC implemented its research programmes through strong research collaborations with the Faculties of

Science and Humanities and other partners. Apart from publishing scholarly work/articles, MRC maintained a newsletter titled "Research Matters" which is published biannually. This is a platform where researchers inform the public and researchers worldwide on the research work conducted and promoted at MRC. The list of publications and research outputs for the year 2014 is outlined as follows:

List of Peer Reviewed Journal Papers

Heita, L. and Cheikhyoussef, A. (2014). Dominant Lactic Acid Bacteria and their Antimicrobial Profile from three Fermented Milk Products from Northern Namibia. *Journal of Biosciences and Medicines*, 2(9): 8-13.

Indongo N. (2014). Risk factors and Causes of neonatal deaths in Namibia. *European Scientific Journal*, 10: 466-471.

Innocent Davidson, Hina MuAshekele and Ndako Mukapuli. (2014). Benguela Community/UNAM Wind Power Demonstration Project—Experiences in Implementation. *Journal of Energy and Power Engineering* 8: 1067-1072.

Julie A. Silva & Alfons Mosimane. (2014). "How Could I Live Here and Not Be a Member?": Economic Versus Social Drivers of Participation in Namibian Conservation Programs. *Human Ecology*, 42(2), 183-197. http://download.springer.com/static/pdf/879/art%253A10.1007%252Fs10745-014-9645-9.pdf?auth66=1400163037_c76d288753905fecce121daaa7e7da5&ext=.pdf.

Kanyimba A and Siyambango N. (2014). The integration of an effective disaster risk reduction system in Namibia

based on vulnerabilities of stakeholders in the Zambezi Region. *Journal for Studies in Humanities and Social Sciences*, Vol.3 1&2, pp: 44-64

Likuwa K. (2014) Contract Labour System and Farm Labourers' Experiences in Pre-Independent Namibia: Historical Reflections, Perspectives and Lessons. BAB Working Paper No. 2: 2014

Mulama N and Indongo N. (2014). Causes and risk factors of maternal deaths in Namibia. *Journal for Studies in Humanities and Social Sciences*, Vol.3 1&2, pp: 239-252.

Nantanga, K.M, Eric Bertoff, Koushik Seetharaman. (2014). Structures of Salivary and Pancreatic Amylase Hydrolysates from Processed Starches. *Int. Sci. Technol. J. Namibia*, 3(1):8-20.

Nantanga, K.M. & John Pallett. (2014). Mary Seely: Desert ecologist, torch-bearer for Namibia's sustainable development. *Transactions of the Royal Society of South Africa*, DOI: 10.1080/0035919X.2014.945986.

Pazvakawambwa L, Indongo N and Kazembe L. (2014). A Hurdle Negative Binomial Regression Model for Non-Marital Fertility in Namibia. *Journal of Mathematics and System Science*, 4: 498-508.

Pazvakawambwa L., Kazembe L., and Indongo N. (2014). Discrete Time to Event Models for Age at First Marriage in Namibia. *Proceedings of the Population Association of America (PAA) Annual Meeting Program*, 1-3 May 2014, Marriot Copley Place Hotel, Boston, Massachusetts, USA. <http://paa2014.princeton.edu/papers/140555>.

Shiponeni, N. N., Carrick, P. J., Allsopp, N., Hoffman, M. T.

(2014). Effects of root competition and soils on seedling establishment at the ecotone between an arid grassland and succulent shrubland in South Africa. *Journal of Vegetation Science*, 25: 402-410. doi: 10.1111/jvs.12082 <http://onlinelibrary.wiley.com/doi/10.1111/jvs.12082/abstract>.

Van Rooy, G. and Mufune, P. (2014). Experiences and Perceptions of HIV/AIDS and Sex among People with Disabilities in Windhoek, Namibia. *Sexuality and Disability*, DOI 10.1007/s11195-014-9343-y http://download.springer.com/static/pdf/455/art%253A10.1007%252Fs11195-014-9343-y.pdf?h66=1400160423_580f5c99c72ccc1d253c91fdfa783db5&ext=.pdf.

Van Rooy, G., Mufune, P., Indongo, N., Matengu, K., Libuku, E., and Schier, C. (2014). Factors affecting safe sex practices among first year students at the University of Namibia: A health Belief model perspective. *European Scientific Journal*, 10: 427-435.

Books & Monographs

Mosimane, A.W. and S., Ndjiharine (2014). Tsiseb Conservancy, the people, environmental awareness and diversity Booklet. University of Namibia, Windhoek, Namibia.

Chapters in Books

Likuwa. K. M, (2014). 'Colonialism and the Development of the Contract Labour System in the Kavango' in Silvester, J, (ed.), *Re-viewing Colonial Resistance in Namibia*

Mosimane, A.W. and Silva, J.A. (2014). Boundary-

making in Conservancies: The Namibian Experience. In Ramutsindela, M. (ed) *Cartographies of Nature: How Nature Conservation Animates Borders*, pp. 83-111. New Castle upon Tyne: Cambridge Scholars Publishing. ISBN (10): 1-4438-6014X; ISBN (13): 978-1-4438-6014-7.

Technical Reports

Cheikhoussef, A, Michael Shirungu, Iwanette Du Preez, Lovisa Kambonde and Davis Mumbengegwi. (2014). Ethnobotanical Medicinal Knowledge in Kavango Region. National Commission on Research Science and Technology (NCRST) & Multidisciplinary Research Centre (MRC), MRC, University of Namibia, Windhoek, Namibia.

Chunga, R. Kamwi, J, Siyambango, N. and Nekuma, F. (2014) Namibia Climate Change.

Du Preez, I. Emmanuel Nepolo, Rina Siyengwa, Martin Shapi, Ahmad Cheikhoussef and Davis Mumbengegwi. (2014) Ethnobotanical Medicinal Knowledge in the Zambezi Region. National Commission on Research Science and Technology (NCRST) & Multidisciplinary Research Centre (MRC), MRC, University of Namibia, Windhoek, Namibia.

Indongo N, M Hangula & T Maharero. (2014). The Scope of procurement and Need or Relevance of Procurement Finance for SMEs in Namibia, 2014.

Lendelvo, S., Kandjai, J.A.N. & Mwandingi, E. (2014). A community and its wildlife: A case study of wildlife management in the Nyae Nyae conservancy, Otjozondjupa region, Namibia. MRC report

Likuwa, K & Lendelvo, S. (2014). Employment Creation

by Land Reform Programmes in Commercial Land, Namibia, Ministry of Lands and Resettlement (MLR) & Multidisciplinary Research Centre (MRC), MRC, University of Namibia, Windhoek, Namibia.

Mogotsi I. (2014) Needs Assessment On Teaching San Language In Schools. Multidisciplinary Research Centre (MRC), MRC, University of Namibia, Windhoek, Namibia.

Mogotsi I. (2014) Needs Assessment On Teaching Setswana Language In Schools. Multidisciplinary Research Centre (MRC), MRC, University of Namibia, Windhoek, Namibia.

Mosimane, A., Lendelvo, S. Glatz-Jorde, S., Kirchmeir, H. Huber, M. (2014). Livelihood baseline survey report for the Kavango Zambezi Transfrontier Conservation Area (KAZA TFCA), 81 p.

Nakanyala, J. Mukendwa, H., Lendelvo, S. & Shaamhula, L. (2014). Environmental Impact Assessment (EIA) Scoping and Environmental Management plan (EMP) for the Proposed Pyrolysis Distillation Plant on Farm Kransneus (no. 219), Windhoek. Ministry of Trade and Industry and Multidisciplinary Research Centre (MRC), UNAM. Response Action Plan Compiled by the Climate Change Working Group of the Ministry of Environment and Tourism in collaboration with The University of Namibia (MRC).

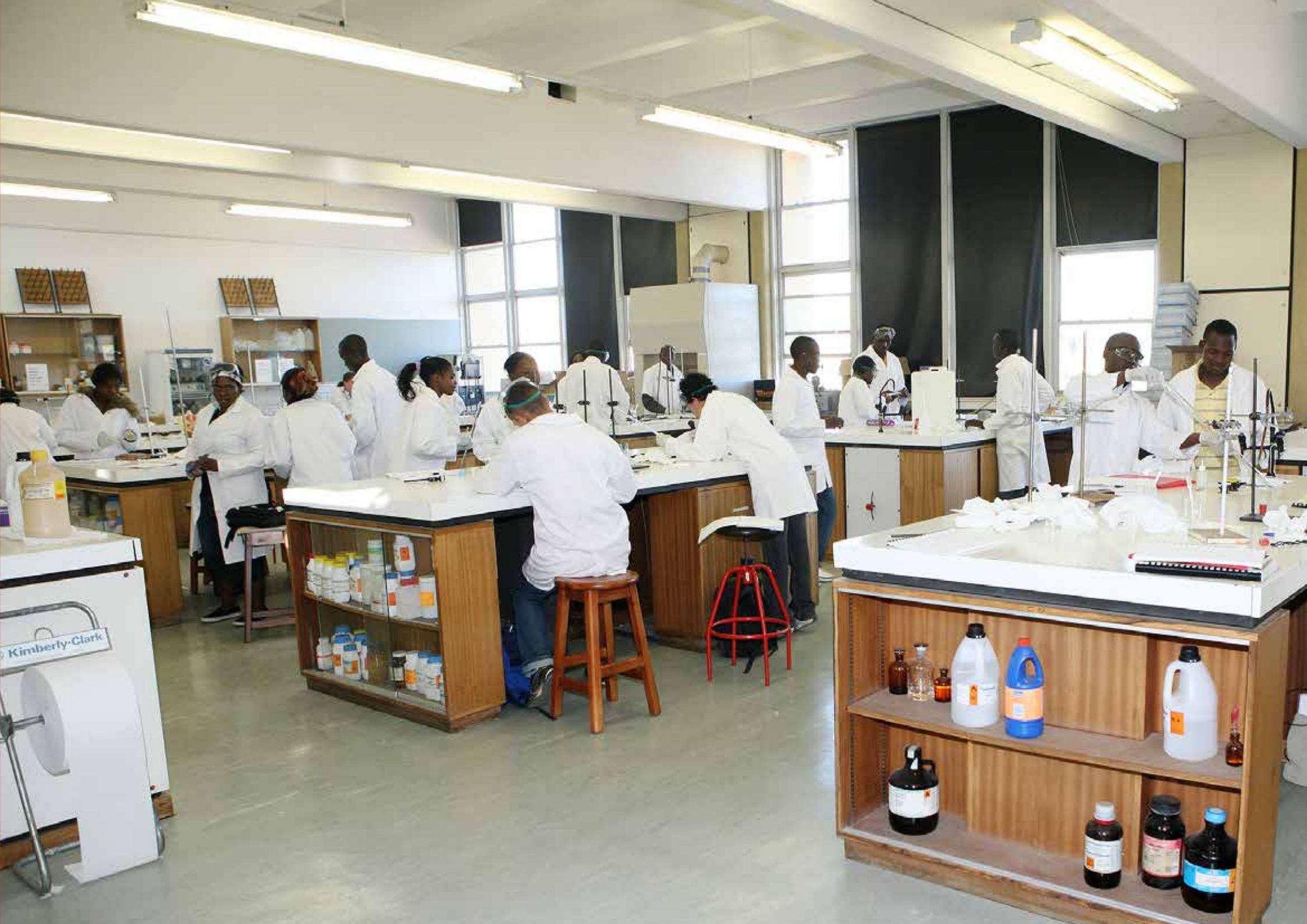
Van Rooy Gert (2014). University Students and HIV and AIDS in Southern Africa: Health Survey to Assess Knowledge, Attitudes, Behaviours and Practices in Botswana, Mauritius, Namibia, Swaziland and Democratic Republic of Congo. Results of a Study undertaken at the University of Namibia. Multidisciplinary Research Centre (MRC), University of Namibia, Windhoek, Namibia.

Van Rooy Gert. (2014). Results of Stakeholder's Perception Survey for Namibia Airports Company. Multidisciplinary Research Centre (MRC), University of Namibia, Windhoek, Namibia.

COMMUNITY ENGAGEMENT

The MRC research team contributed to the scientific community through reviewing of manuscripts submitted to journals, giving advisory services through holding training workshops or being board / committee / taskforce members in the public and private sector.

The year also 2014 saw the MRC team disseminating research outputs and promoting its work through regional Councils' offices in Omusati, Oshana, Oshikoto, Omaheke, Karas, Kavango and Zambezi regions.



SCHOOL FOR POSTGRADUATE STUDIES

Director:

Dr Cornelia Shaimemanya



INTRODUCTION

The School of Postgraduate Studies has a dedicated obligation to coordinate the University of Namibia's Postgraduate Programmes in a harmonised way, ensuring that quality control regulations and procedures are strictly adhered to and high academic standards are preserved. The School also ensures and guarantees the provision of postgraduate students with high quality academic, ICT, psychosocial and social-emotional support services. Furthermore, it is authorized to coordinate postgraduate admission, registration and examination and build capacity in student research, student supervision and innovation amongst postgraduate staff.

A total number of **1 017 (145 PhDs, 607 Masters** and the rest enrolled for postgraduate diploma/ postgraduate certificates) **students** enrolled for postgraduate studies for the 2014 academic year, an increase of 126 students comparing to 2013. This is tremendous growth of the School enrollment and show of the existing thirst for postgraduate education in the country. Dr Shaimemanya and Prof P. Chimwamurombe were the Director and Deputy Director respectively for the PGS. In addition, the PGS had three support staff members, namely Ms. Desiree Davies (Faculty Officer) and Ms. Nambata Namweya (ISS Project Coordinator) and Sofia Itoolwa (Administrative Officer).

ACADEMIC ACTIVITIES

Dr Shaimemanya coordinated and represented UNAM on the Erasmus Mundus STETTIN Project under the ERASMUS MUNDUS partnership, the first ever link of the PGS with the outside world that she initiated in 2012. The aims of the Erasmus Mundus STETTIN Project

are to build capacity of graduate students and staff in science and technology education and also to enhance research capacity particularly in the areas on indigenous knowledge and environmental science. UNAM has since signed the MOU with Erasmus Mundus through IUFM - Aix-Marseille Université in France. Four students left for Odisee, Belgium, last year in August under the ERASMUS MUNDUS partnership. PGS hopes to send staff members for research in 2015 through staff mobility.

The PGS Director also participated in the Curriculum, Instruction and Assessment Studies (CIAS) Departmental Research Project on class assessment practices in the Primary Phases - Lower Primary (Literacy and Numeracy) and Upper Primary (English and Mathematics).

The School of Postgraduate Studies organised a one day comprehensive New Graduate Students Orientation Workshop held at GZ Function Centre as part of a broader strategy to hone research skills, engender a culture of scholarship and pinpoint pitfalls in postgraduate studies. About 100 students attended the workshop which covered among others building postgraduate students' research skills, developing productive relationships with supervisors, publishing results from theses or dissertations in refereed journals, navigation of individual databases, gateways and aggregators. In addition, three Supervisors Capacity Building Workshops were conducted in Windhoek including two Workshops on Strengthening Doctoral Supervision held in February 2014 and October 2014 respectively. After the UNAM Postgraduate Studies Committee was reconstituted as of July 2013, faculty committees were empowered significantly and as such they are now handling functions that were previously handled by the UNAM PGSC, for example processing of proposals. To orient the faculty representatives on UNAM PGSC to enable them to handle

SCHOOL FOR POSTGRADUATE STUDIES



added functions, PGS organized jointly with the Office of the PVC a one day Seminar at Heja Lodge in August 2014 which was attended by some faculty deans.

Previously the School of Postgraduate Studies assisted two graduate students in securing funding from the Chinese government to further their studies in China. The students are Ms Silohenda Amuthenu (China North East Normal University near Beijing) and Ms Cynthia Anyanwu (China Financial and Economics University in Shanghai). Ms Silohenda Amuthenu graduated in 2014 with a Master's degree in Curriculum Studies and is currently employed at the International University of Management.

In 2014, three PhD candidates (2 UNAM staff and 1 student from the private sector) were accepted to enrol at Erasmus University Rotterdam and Institute of Social studies in the Netherlands under the ISS-UNAM collaboration for training PhD candidates who are staff members at the University of Namibia.

RESEARCH AND PUBLICATIONS

Shaimemanya, C.N.S. (2014). United Nations Decade of Education for Sustainable Development Final Report 2014: Education for Sustainable Development in Desertification Education, UNESCO Commissioned Paper, Paris, France.

Shaimemanya, C. N. S. (2014). Desertification: The Experiences of Secondary School Teachers in Namibia, NERA Journal, 2014.

Shaimemanya, C.N.S. (2014). Strengthening Doctoral Supervision

Shaimemanya, C.N.S. (2014) Being a Scholar, Identity Work in the Doctoral Journey

Shaimemanya, C.N.S. (2014). Scholarly Community of Practice and Concept of Doctoralness

Shaimemanya, C.N.S (2014). Design of Scholarly Work, Strengthening Doctoral Supervision

Mapaure, Percy Maruwa Chimwamurombe. 2014. Assessment of agricultural soil contamination by potentially toxic metals dispersed from improperly disposed tailings, Kombat mine, Namibia. *Journal of Geochemical Exploration*, 144: 109-120.

Percy Chimwamurombe, 2014. Improvement of Marama bean (*Tylosema esculentum*): A high value plant of the Namibian Kalahari agro-ecological region Chapter 8. In: Indigenous Plants of Namibia. Riéth van Schalkwyk (Ed). pp 113

ISE Uitele, P M Chimwamurombe and P Kadhila Muandingi. 2014. Optimisation of indigenous *Ganoderma lucidum* productivity under cultivation in Namibia. *International Science and Technology Journal of Namibia* Vol 3 Issue 1:35-41.

Jann Lasse Grönemeyer, Percy Chimwamurombe, and Barbara Reinhold-Hurek. *Bradyrhizobium subterraneum* sp. nov., a symbiotic nitrogen-fixing bacterium from root nodules of groundnuts in Namibia. *International Journal of Systematic and Evolutionary Microbiology* (Accepted)

Takundwa MM, Ruzvidzo O, Uzabakiriho JD, Titus P, Chimwamurombe PM, 2014. Molecular identification of fungal species associated with leaf lesions of

Marama bean seedlings in Namibia. *African Journal of Microbiology Research* (Accepted)

Haiyambo D, Reinhold-Hurek B and Chimwamurombe PM. 2014. Effects of Plant Growth Promoting Bacterial Isolates from Kavango on the growth Sorghum bicolor. *African Journal of Microbiology Research* (Accepted).

Olaf S. Kandjimi, Jean-Damascene Uzabakiriho and Percy M. Chimwamurombe. 2014. Isolation and characterization of culturable bacteria from bulk soil samples and the rhizosphere of arid-adapted *Tylosema esculentum* (Burchell). A. Schreiber (Marama bean) in Namibia. *African Journal of Biotechnology* (Accepted).

Chimwamurombe Percy, Breeding of indigenous plants for Southeastern Africa, AFRICAN EUROPEAN RESIDENTIAL SCHOOL: *Global Challenges: Urbanization, Climate Change, Livelihoods and Food Security*, July 28th– Aug 8th 2014, University of Botswana, Botswana

COMMUNITY ENGAGEMENT

Dr C.N.S. Shaimemanya

- Serving on the UNCCD Roster of independent Expert
- Vice-Chairperson of Namibian Environmental Education Network (NEEN)
- Executive Member of Namibia Educational Research Association (NERA)
- Serving on the Education for Sustainable Development Technical Committee (Ministry of Education)
- Member of the Journal for Studies in Humanities and Social Sciences Editorial Board.

Prof P. Chimwamuombe

- Community training Workshops on Marama bean Agronomy and Participatory Conservation and Selection Breeding.
- Reviewer for African Journal of Agricultural Research
- Executive secretary: African Society for Edible and Medicinal Mushrooms
- Treasurer of the Agricultural Scientific Society of Namibia.



RESEARCH AND PUBLICATIONS OFFICE

*Director:
Professor Isaac Mapaure*



INTRODUCTION

In accordance with its mandate, the Research and Publications Office (RPO) continued to discharge its responsibilities of coordinating and managing research activities across the University system. During 2014, the RPO ably carried out its activities under the leadership of Prof. Isaac Mapaure (Research Coordinator), deputised by Dr Hilleni Kapenda. The major focus during the year was to continue professional development workshops as well as supporting and facilitating initiatives aimed at inculcating a research culture within the University. Another important focus was to develop research-related Policies and Guidelines in order to guide the processes and practices of conducting research.

ACADEMIC ACTIVITIES

Internal Workshops

As has become a norm for the university, the RPO participated in the Induction Workshop for new staff organised by the Teaching & Learning Improvement Unit (TLIU). This served to introduce the mandate, functions and operations of the RPO. Procedures for applying for research, publications and conference funding were explained to workshop participants.

The Deputy Research Coordinator facilitated capacity building training workshops at two satellite campuses. A two-day “*Academic writing for conference paper presentation & publications*” was organised by the Continuing Professional Development Unit at the Hifikepunye Pohamba (HP) Campus. This workshop was well attended by 29 staff members. A second workshop for academic staff on Research proposal writing and

Writing for publications was held during September at the Southern campus. Seven academic staff members attended the training.

The Research Coordinator made a presentation at a Research Strategic Planning Workshop of the Department of Human Sciences, Faculty of Humanities & Social Sciences in May. He presented a paper entitled *Fostering a research culture and promoting research excellence at the University of Namibia (UNAM)*. Such activities help to cultivate a research culture in the Department, the Faculty and the University at large. He also officiated at the official launch of the Rundu Campus Research Agenda in May. At that occasion, Prof Mapaure presented a paper entitled *The importance of research for academics and funding for research*. Following his event, an information and sensitization session was held on UNAM’s research-related Policies.

External Workshops & Training

The Research Coordinator and his Deputy attended the Southern African Research & Innovation Management Association (SARIMA) conference in July at the Gaborone International Conference Centre, Botswana. In conjunction with the Conference, they also attended a Research Integrity Training Workshop. In June, Prof Mapaure and the Director of External & International Relations, Dr Kenneth Matengu, attended the Southern Africa Nordic Centre (SANORD) International Symposium at Karlstad University in Sweden. The Symposium was held in June with a theme of “*A sustainable future, information technology and welfare development*”. Dr Matengu and Prof Mapaure presented a paper entitled: *An analysis of the information haves and have-nots in Namibia*.

RESEARCH AND PUBLICATIONS OFFICE



As a coopted member of the SARIMA Executive, Prof Mapaure facilitated a two-day SARIMA Training Workshop for Research Managers in Malawi. The Workshop, held at the College of Medicine, University of Malawi, Blantyre, was on *Fundamentals of Research & Innovation Management*. Dr Kapenda was enrolled for formal training on the RHEDI Executive Leadership Programme for which she attended sessions and did coursework throughout the year. She successfully completed the Programme and graduated in Malaysia during November.

RESEARCH AND PUBLICATIONS

Internally-funded Research Projects

The RPO as the secretariat to the University Research and Publications Committee received a total of 21 funding applications for research projects from various faculties and campuses. The Research and Publications Committee adheres to international standards for research quality, and as a result only 7 projects were approved, an acceptance rate of 33.3%, which compares very well with major international funders.

Externally-funded Research Projects

The RPO facilitated several external research collaborations during the year under review. The National Commission on Research Science and Technology (NCRST), under the Namibia/South Africa Collaborative Research Programme, made funding available to the tune of N\$3 million over a two-year period for 17 research projects that involved several academic staff members and students at the University. These 17 approved projects are administered and managed by the RPO.

These grants include 5 for the Faculty of Agriculture and Natural Resources, 1 for the Faculty of Education, 1 for the Faculty of Engineering and Information Technology, 2 for the Faculty of Humanities and Social Sciences received, 5 for the Faculty of Science and 3 for the Multidisciplinary Research Centre.

UNAM researchers also responded to the First National Call for Proposals by the NCRST published during the year. A total of 15 projects were approved and funded to the tune of N\$4,6 million over two years. These projects cover a wide range of disciplines. For this round, the Faculty of Agriculture & Natural Resources had 3 projects funded, Faculty of Humanities & Social Sciences had one project funded, the Faculty of Science had five projects funded, the Centre for External Studies one project funded, the Sam Nujoma Campus had two projects funded and the Multidisciplinary Research Centre had three projects funded.

UNAM Research and Innovation Day

The University of Namibia Research and Innovation day was successfully held on 26th September at all UNAM campuses. The Khomas-based campuses held their joint event at the Neudamm Campus. The theme of the Research & Innovation Day for 2014 was *Transformation through adaptation to global change*.

Publications

A significant number of applications for funds to pay journal administrative fees were received and processed during the year. Payments were made for a total of 20 accepted manuscripts in refereed journals to the tune of over N\$80,000.00. The overall research productivity of

the University continued to grow. During the year under review, UNAM academics produced in excess of 480 scholarly publication outputs (Journal papers, Books, Chapters in Books, Conference proceedings).

Staff members in the Research & Publications Office have also continued to conduct research as academics in their own right, resulting in the following publications:

Conference Presentations and Posters

Amputu, V., Joubert, D.F. & Mapaure, I. (2014) The effects of different fire history and frost on vegetation structure and diversity on the Waterberg plateau, central Namibia. Poster presented at the 49th Congress of the Grassland Society of Southern Africa (GSSA), Advancing Rangeland Ecology and Pasture Management in Africa. Phillip Sanders Resort & Conference Centre, Bloemfontein, South Africa, 20-25 July, 2014.

Mapaure, I. (2014). Global and SADC challenges for research management. Presentation done at a Training Workshop for Research Managers on Fundamentals of Research & Innovation Management, College of Medicine, University of Malawi, Blantyre, Malawi. 21-22 October, 2014.

Mapaure, I. (2014). Establishing a research culture. Presentation done at a Training Workshop for Research Managers on Fundamentals of Research & Innovation Management, College of Medicine, University of Malawi, Blantyre, Malawi. 21-22 October, 2014.

Mapaure, I. (2014). Funding for research. Presentation done at a Training Workshop for Research Managers on Fundamentals of Research & Innovation Management,

College of Medicine, University of Malawi, Blantyre, Malawi, 21-22 October, 2014.

Mapaure, I. (2014). Fostering a research culture and promoting research excellence at the University of Namibia (UNAM). Research Strategic Planning Workshop, Department of Human Sciences, Faculty of Humanities & Social Sciences UNAM, 27-28 May, 2014, Safari Hotel, Windhoek.

Matengu, K. & Mapaure, I. (2014). An analysis of the information haves and have-nots in Namibia. SANORD International Symposium, Karlstad University, Sweden, 10-12 June 2014. Theme: A sustainable future, information technology and welfare development.

Naukushu, S. T., Nghipandulwa, L. L. T., Kasanda, C. D., & Kapenda, H. M. (2014). Understanding pi among pre-university students: A case study of the Foundation Programme at the University of Namibia. Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Nghipandulwa, L. L. T., Kapenda, H. M., & Kasanda, C. D. (2014). Teachers' use of practical work in Biology in the selected secondary schools in Oshana education region. Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Nsingo, L., Kapenda, H. M., & Kasanda, C. D. (2014). Teachers' perceptions on feedback from examiners' reports to improve teaching: A case study of one Windhoek high school. Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Turner, W.C., Kausrud, K.L., Krishnappa, Y.S., Cromsigt,

J.P.G.M., Ganz, H.H., Mapaure, I., Cloete, C.C., Havarua, Z., Küsters, M., Getz, W.M., and Stenseth, N.C. (2014). Fatal attraction: vegetation responses to nutrient inputs attract herbivores to infectious anthrax carcass sites. *Proceedings of the Royal Society B (PRSB)* 281, No. 1785; doi:10.1098/rspb.2014.1785.

Refereed Journal Articles

Kaholongo, I.K. and Mapaure, I. (2014) Vegetation composition, diversity, and structure in Uukolonkadhi Community Forest of North Western Namibia. *Journal of Agriculture and Biodiversity Research* 3(1): 41-50

Makhado, R.A., Mapaure, I., Potgieter, M.J., Luus-Powell, W.J. and Saidi, A.T. (2014). A review of the drivers of *Colophospermum mopane* distribution in southern Africa's mopane savannas. *Bothalia* 44(1), Article #152; <http://dx.doi.org/10.4102/abc.v44i1.152>

Mileusnic, M., Mapani, B.S., Kamona, A.F., Ruzicic, S., Mapaure, I. and Chimwamurombe, P.M. (2014) Assessment of agricultural soil contamination by potentially toxic metals dispersed from improperly disposed tailings, Kombat Mine, Namibia. *Journal of Geochemical Exploration* 144: 409-420.

Chapters in Books

Kasanda, C. D. and Kapenda, H. M. (in press). Indigenous knowledge of junior high school learners on traditional medicinal plants in the treatment of common ailments and diseases in the Omusati and Oshana regions in Namibia. In K. C. Chinsebu, A. Cheikyoussef, D. Mumbengwegwi, M. Kandawa-Shulz, L. Kazembe, & C. D. Kasanda (Eds.), *Indigenous knowledge of Namibia* (1st edition, pp. TBA), Windhoek, Namibia: University of Namibia.

SAM NUJOMA CAMPUS

Director:
Prof Edosa Omoregie



INTRODUCTION

The Sam Nujoma Campus is one of the newest Campuses of the University of Namibia that came into being with the relocation of the Department of Fisheries and Aquatic Sciences from the Main Campus to Henties Bay in June 2013. The Campus houses the Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC) and the Department of Fisheries and Aquatic Sciences (DFAS). The management of the Campus in 2014 was led by Prof. Edosa Omoregie, with Dr. Hilikka Ndjaula Deputy Director of the SANUMARC and Mr. Lineekela Kandjengo as the Head of Department of DFAS.

SANUMARC focuses on research and development activities for marine and coastal resources, while DFAS is solely responsible for teaching and training leading to the award of undergraduate and postgraduate degrees in fisheries and aquatic sciences. Both SANUMARC and DFAS complement each other in achieving their specific goals. SANUMARC's vision is to become a Centre of Excellence in research, science and technology in the field of marine and coastal resources. During the year under review, new infrastructures were added to the Campus; two hostel blocks and a classroom complex with two lecture room were constructed. The two hostel blocks accommodate 66 students and each lecture room has the capacity to seat 90 students.

The Research and Development (R&D) activities of the Centre covers marine, coastal and arid land ecosystems, climate change, bio-prospecting for novel natural products from the Benguela marine biota, and also from desert and semi-desert systems. The ultimate goal is to develop the unique bio-resources of these ecosystems for human sustainable development, and to promote

the application of science and technology for making selected sites in Africa's deserts bloom with useful biota, using the Zero Emissions Research Initiative (ZERI) principles and related approaches.

The Campus support from the Namsof Community Trust continued in 2014, with this support, three postgraduate students successfully completed their studies:

- Dr. Johannes Iitembu – PhD
- Ms. Johanna K. Dijerenge – MSc
- Mr. Emmanuel Vellemu - MSc

ACADEMIC ACTIVITIES

The Sam Nujoma Campus offers both undergraduate and graduate degree programmes in Fisheries and Aquatic Sciences. The 3rd and 4th year students of the Fisheries and Aquatic Sciences programme are based on the Campus where all lectures and practical sessions are held.

During the year under review, the Campus had 47 undergraduate students and 5 postgraduate students. The postgraduate students research projects under the supervision of academic staff from SANUMARC and DFAS. The research projects undertaken by the postgraduate students are indicated below:

PhD research projects

- **Mrs Devota Kavishe:** An autecological study of selected *Porphyra capensis* populations from the Namibian coast.
- **Mr. Martin Tjipute:** Captive propagation and rearing of the silver Kob, *Argyrosomus inodorus* in Namibia.

SAM NUJOMA CAMPUS



- **Mr. Johannes A. Iitembu:** Trophic ecology of shallow-water hake (*Merluccius capensis*), deep-water hake (*Merluccius paradoxus*), kingklip (*Genypterus capensis*) and cape monk (*Lophius vomerinus*) through their isotopic and fatty acid composition.
- **Mr. Uanivi Uatjavi:** Age and growth of the Namibian Cape horse mackerel (*Trachurus capensis*) in relation to the environmental variables: Implications for stock assessment

MSc research project

- **Ms. Johanna K. Dijerenge:** Analysis of marine biotoxins, paralytic shellfish poisoning (PSP) and diarrhetic shellfish poisoning toxins (DSP) in mussels, (*Mytilus galloprovincialis*) along the Namibian Central Coast.

RESEARCH AND PUBLICATIONS

Research activities

- During the year under review, the Campus together with the Laboratoire Interuniversitaire des Systèmes Atmosphériques (LISA) in Créteil (France) and the Northwest University (NWU) in Potchefstroom (South Africa) established the Henties Bay Aerosol Observatory (HBAO) in the framework of the Bilateral research Project "Atmospheric Research in Southern Africa and the Indian Ocean". Present measurements include the aerosol mass concentration and the aerosol black carbon concentration, the ozone mixing ratio and the basic meteorological parameters.
- With the existing collaborations between the

University of Namibia, the Scientific Committee on Oceanic Research (SCOR) and the Science Partnerships for the Assessment of Complex Earth System Processes (SPACES), SANUMARC entered a research partnership with renowned Institutions to develop a Regional Graduate Network in Oceanography (RGNO) programme. Institutions involved in this partnership; Namibian National Marine Information and Research Centre (NatMIRC), Agouron Institute, University of Minnesota, ETH Zurich and Swiss I-Research & Training. The first edition of the Graduate Network was held in March 2014 with participants from several European and African countries. All participants, students as well as instructors, carried out practical work on an environmental observation cruise on the *RV Mirabilis*, together with scientists from Namibia's National Marine Information and Research Center (NatMIRC).

The following specific research activities were carried out at the Campus in 2014:

- Investigation on the accumulation of heavy metals along the Namibian coast.
- Induced spawning of the Pacific Oyster under laboratory conditions
- Gill and gastrointestinal parasites of the Silver Kob, *Argyrosomus inodorus* from Namibia coastal waters
- Length-Weight relationship and Gonado-Somatic Index (GSI) of Silver Kob, *Argyrosomus inodorus* along Central Namibia coastal waters
- Stomach content analysis of the Silver, Kob *Argyrosomus inodorus* from Namibia coastal waters
- Microalgae cells consumption by spats of

Crassostrea gigas and the effect of different microalgae species on growth of spats.

- Growth and nutrient requirements for Namibia's indigenous vegetables in coastal environment using varying ratios of seawater fresh water in hydroponic production of spinach.
- Growth requirements for exotic vegetables in Namibia's coastal environment using four organic nutrients; Cow manure, Chicken manure, Goat manure and peat compost.
- Domestication requirements of *Salicornia pachystachia* in Namibia's coastal environment as potentials for animal fodders
- Utilization of locally available organic materials as media for the cultivation of oyster mushroom mycella using millet, sorghum, maize and cassava flours.
- Treatment of Corn Stover substrate for oyster mushroom cultivation using heat, dishwashing liquid and washing powder
- Potential of goat manure as an organic hydroponic nutrient alternative for tomato production
- Design of effective bio-digester for use at household level
- Assessment of inorganic pollution along the Namibian coastal water using bio-indicators
- Analysis of marine biotoxins in Namibian marine environment
- The RGNO research activities focused on microbial and geochemical oceanography in the Northern Benguela upwelling ecosystems in the following areas:
 - Ocean upwelling systems
 - Oxygen Minimum Zones
 - Biogeochemical Cycles

- Microbiomes in upwelling Ecosystems
- Regulation of primary Productivity

PUBLICATIONS

Mowa, Edgar (2014). Olive Oil production in Namibia. *In: FLOS OLEI 2014: A Guide to the World of Extra Virgin Oil.* Edited by Mark and Laura Marinelli Oreggia. Evo srl Publishers. 832 pp.

Vellemu, E.C and Omoregie, E. (2014). Lead Pollution: A Growing Concern Along the Namibian Coastal Waters. *International Science and Technology Journal of Namibia*, 3(1): 21 – 34.

Okeyo, D.O, M.M. Kashea and L. Kandjengo. 2014. The Feeding Habits Of The Giant African Bullfrog (Anura: Pyxicephalidae: Pyxicephalus Adspersus Tschudi, 1839) of the Cuvelai Drainage System in Northern Namibia. *International Science and Technology Journal of Namibia*, 4: 62-71.

Hausiku, M. K. (2014). Comparison of substrate sterilization methods for oyster mushroom cultivation. Paper presented at African Conference on Medicinal Mushroom, June, 2014 in Kenya.

Ndjaula, H. O. N. (2014). Establishing a baseline for evaluating changes in body condition and population dynamics of sardine (*Sardinops sagax*) in the southern Benguela ecosystem. 07 -10 October 2014, Johan Jhort Symposium, Bergen Norway.

Boyd, D. W., Moloney, C., Ndjaula, H. O. N. and Faireather, T. (2014). Establishing a baseline for evaluating changes in fish body condition and population dynamics of Cape

hake (*Merluccius capensis* and *Merluccius paradoxus*) in South Africa.

Jarre A., Shannon, L. J., Blamey, L. K., Duggan, G. L., Howard, J. A. E., McGregor, E. L., Watermeyer, K. E., Ndjaula, H. O. N., Ragaller, S. M. and Weller, F. G. (2014). Developing Tools for an Ecosystem Approach to Fisheries in the Southern Benguela Marine Social-Ecological System: An Overview.

COMMUNITY SERVICE

Science and Technology Promotion among Namibian school learners: The goal of this community outreach programme is to stimulate interest in science and technology in young Namibians.

Community Training programme for Mushroom production: Mushroom Spawn was supplied to Usakos Youth Mushroom Project and farmers in Swakopmund and Walvis Bay farmers on request.

A two-day follow-up visitation was undertaken in collaboration with ZERI Project to Nkurenkuru trainees in Kavango West in order to render technical support to their Mushroom Project.

Donation of Vegetables: During the year, most of the vegetables produced in the hydroponic research were donated to members of Henties Bay Community.

Tulongeni Garden Project: SANUMARC continued to support the Tulongeni Garden and Mushroom projects in Henties Bay.

RECRUITMENTS AND PROMOTIONS

During 2014, the following recruitments were made at the Campus

- Dr. Johannes Iitembu as Lecturer in the Department of Fisheries and Aquatic Sciences
- Ms. Etuna Simon as Students' Support Officer
- Mr. Tylves Shikongo Shaanika as Campus Control Officer
- Ms. Elizabeth Uahindua as Campus Office Administrator
- Mr. Engelhard Thaniseb as Library Assistant
- Mr. Thomas Namupala as IT Technician

Mr. Festus Nashima was promoted from the rank of Lecturer to Senior Lecturer.

TEACHING AND LEARNING IMPROVEMENT UNIT

Director:

Dr. Rakel-Kavena Shalyefu



INTRODUCTION

The role of the Teaching and Learning Improvement Unit is to improve the quality of teaching and learning within the University.

THE Unit exists to provide continuous professional development programmes and to develop policies and guidelines to improve the quality of teaching and learning practices in general and on teaching specific disciplines at higher education level.

In accordance with the UNAM mission, the functions of the TLIU are to provide excellent services with regard to:

- Development and review of policies and guidelines related to teaching and learning at the university.
- Management and coordination of continuous professional development programmes for teaching at higher education level.
- Controlling of timetable and booking venues for teaching, learning and examination.
- Facilitation of the evaluations, mentoring and peer assistance in teaching and learning.
- Establishment of links with regional and international partners in promoting excellence in teaching and learning at higher education level.

INDUCTION WORKSHOP

The Unit conducted an Induction Workshop for Academic staff appointed since 16 February 2013. This annual workshop is aimed at introducing and familiarising new lecturers with the UNAM teaching culture, accepted practices, standards and policy guiding the teaching and learning. The Induction also helps the new lecturers to feel at home, to motivate their confidence to progress

and grow within the university. The two-day seminar took place at the UNAM main campus and was attended by a total of 53 participants from all the campuses.

EFFECTIVE TEACHING & LEARNING WORKSHOP

Three Effective Teaching and Learning workshops were held during the year under review. The overall goal of the Workshops were to add to existing teaching skills of lecturers by providing them with the opportunity to interrogate theoretical and practical topics such as course design, effective teaching methods, assessment, mentoring and use of PowerPoint presentation in their teaching.

The facilitators included Dr. R. Kavena Shalyefu, Dr Dolores Wolfaardt, Ms. Yunes Agabu, Ms. Hileni Niikondo, Ms. Hilikka Undjombala, Dr. Hileni Kapenda, Dr Simon G. Taukeni, Prof. Choshi D. Kasanda, Ms. Dietlinde Nakwaya, Ms. Faustina Neshila, Ms. Beausetha Bruwer, Prof Irvin Mpofu, and Mr. Epafras J. Anyolo

The Effective Teaching and Learning Professional Development Workshop ran over three days and TLIU conducted this workshop for the Faculties of Agriculture and Natural Resources, Humanities and Social Sciences, Science and for the Faculty of Education. A total number of 56 lecturers attended the workshop.

SCIENCEDIRECT TRAINING

TLIU together with the Library facilitated ScienceDirect Training. ScienceDirect Training is one of the useful databases that the library (ILRC) subscribes to. Presentation and training focused on the value of

TEACHING AND LEARNING IMPROVEMENT UNIT



ScienceDirect as a platform for search and discovery of journal sources. The following points were covered:

- The content available, like journals and books with relevant media attached.
- Various ways of setting-up searches, alerts and getting to groundbreaking publications instantly.
- How to use ElsevierConnect to help aspiring authors get their manuscripts published.
- Looking and accessing the growing Open Access Content on ScienceDirect.
- Manipulating the content in ScienceDirect articles for use in other document (like research papers).
- And finally how to link your results in Mendeley and use Mendeley as your reference manager of choice.

The training was presented by a ScienceDirect Africa Representative, Mr. Stephan Balanche at three different campuses and was attended by some 66 academic staff attended.

WORKSHOP EVALUATION REPORTS

The reports of the TLIU workshops evaluations were very encouraging. In addition to the positive comments about the impact of the workshops on the teaching staff, the evaluation forms made provision for suggestions and improvements. The suggestions from the participants always guide the Unit towards new innovations. Participants on the Module on the Effective Teaching & Learning recommended that this module be made compulsory to all UNAM teaching staff.

STRENGTHENING OF INTERNAL RELATIONSHIPS

The working relationship between centres/units/faculties

was strengthened by reviving the TLIU Advisory Board. This Board is composed of representatives from each campus/faculty and centres or units. The TLIU Advisory Board members are seen as coordinators for all teaching and learning activities at their respective centers/units/faculties.

MAINTENANCE OF STUDENT EVALUATION SYSTEM

UNAM upgraded to a system of evaluating lecturers by obtaining the Education Survey Automation Suite Software (EVASYS) to speed up the feedback report process. This software can read print-based and online surveys. Currently, TLIU is using the print based surveys to produce Student –Lecturer Evaluation Reports. The challenge remains with implementing the online surveys to cut the cost of filling print based survey forms, i.e. provisioning of filling space and shelves. Another challenge is the wrong completion of these forms by students which necessitates hiring of student help to re-type these forms for re-entry for the computer to read resulting in delays to provide feedback to teaching staff.

INTERNATIONAL PARTNERS

TLIU has existing partnership with the Eduardo Mondlane University, Maputo Mozambique; the University of Washington's International Training and Educational Centre for Health (I-TECH), and Concordia University in Canada.

Exchange visitors from these universities facilitated workshops and seminars for UNAM academic staff members on various need based topics such as Effective Teaching and Learning, Peer Review, Team Teaching, Researching Teaching and Classroom Climate and Publication.

BENCHMARKING

Study visits done as part of the benchmarking strategy to assess the Unit's performance against other equivalent reference points nationally or internationally, were used for goal setting and self- improvement.

CONFERENCE/WORKSHOP ATTENDANCE

Prof. Choshi D. Kasanda and Dr. R. Kavena Shalyefu attended an Assessment & Evaluation in Higher Education Conference, 27-28 February 2014, Johannesburg, South Africa.

Ms. Tusnelde Fillemon attended an Office Administration Seminar on Reaching Higher: Navigating Higher Education as an Executive Assistant, 21 – 23 May 2014, Johannesburg, South Africa.

Dr. R Kavena Shalyefu attended a 2nd Annual Technology for Teaching & Learning Forum, 19-20 March 2014, Johannesburg, South Africa. The 2nd Annual Technology in Teaching and Learning 2014 aimed at providing an environment for experts to discuss the current state-of-the-art for learning in schools, industry and universities.

Prof. Choshi D. Kasanda & Ms. Ester Kalipi attended a short course on Implementing a Comprehensive Student Success and Retention Plan (SSRP) for Higher education, 3 – 4 April 2014, Johannesburg, South Africa.

Dr R Kavena Shalyefu attended the Southern African Society for Education (SASE) Annual Conference held in Swakopmund, Namibia on 07 - 09 October 2014.

RESEARCH AND PUBLICATIONS

Conference papers

Shalyefu, R.K. (2014). *A Study on the Trends and Developments of Personal Name Giving Practices of Oshiwambo Speaking People in Namibia*, paper presented at the African Indigenous Knowledge Systems Conference, 8-9 May, 2014, Indaba Hotel, Fourways, Johannesburg, South Africa.

Shalyefu, R.K. & Kandenge, T. (2014). *Researching and Documenting "Efundula/Olufuko" (Girls' Initiation Rituals) of the "Ovawambo" people in Namibia*, paper presented at the annual conference on Humanities and Social Science Conference at the University of Namibia.

Shalyefu, R.K. & Leibowitz, B. (2014). *Academic Developers' Professional Trajectories - a southern African Perspective*, paper presented at the annual conference on Higher Education Learning and Teaching Association in Southern Africa (HELTASA), 18-21 November, 2014, University of Free State, Bloemfontein, SA.

Kasanda, C. D., Henok, P. & Hengari, J. (2014). *The relationship between the home and preschool literacy objects and events in three pre-primary schools in Windhoek*. Paper presented at the ALA Conference, held at Hamar University College, Norway from 1 -4 July 2014.

Naukushu, S. T., Nghipandulwa, L. L. T., Kasanda, C. D., & Kapenda, H. M. (2014). *Understanding pi among pre-university students: A case study of the Foundation Programme at the University of Namibia*. Paper presented at the 22nd Annual Conference of

SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Nghipandulwa, L. L. T., Kapenda, H. M., & Kasanda, C. D. (2014). *Teachers' use of practical work in Biology in the selected secondary schools in Oshana education region*. Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Nsingo, L., Kapenda, H. M., & Kasanda, C. D. (2014). *Teachers' perceptions on feedback from examiners' reports to improve teaching: A case study of one Windhoek high school*. Paper presented at the 22nd Annual Conference of SAARMSTE 13-16 January 2014 in Port Elizabeth, South Africa.

Kasanda, C. D. (2014). *Teaching and Learning Improvement Unit (TLIU) policies*. Paper presented at the staff induction workshop, held at Rundu Campus, 11 – 13 February 2014.

Kasanda, C. D. & Kapenda, H. M. (2014). *The SAT materials evaluation report*. Roof of Africa, Windhoek, 9– 11 November 2014

C. Kasanda and H. M. Kapenda (2014). *Report of the Standardised Achievement Test material evaluation*. Consultancy report presented to CPD Unit.

Refereed Scholarly works

Kanyimba, A., Hamunyela, M. & Kasanda, C. D. (2014). *Barriers to the Implementation of Education for Sustainable Development in Namibia's Higher Education Institutions*, *Creative Education*, Vol.5 No.4, Article ID:43814,11 pages DOI:10.4236/ce.2014.54033

Kasanda, C. D., Zealand, D. & Taylor, N. (2014). *Namibian pre-service science teachers' perspectives on environmental issues*. *Economic and Environmental Studies*, Vol.14, No.1 (29/2014), 21-37, www.ees.uni.opole.pl, ISSN paper version 1642-2597, ISSN electronic version 2081-8319.

Hamunyela, M., Kasanda, C. D. & Kanyimba, A. (2014). *Practitioners' experiences of the implementation of sustainable development in the institutions of higher learning in Namibia*. *Journal for Studies in Humanities and Social Sciences*, 3(1 & 2), 13 – 23

Shiningayamwe, D.N.E., Shalyefu, R.K. & Kanyimba, A.T. (2014) *The Social and Economic Challenges of the Namibian Children of the Liberation Struggle at Berg Aukas Camp in Grootfontein, Otjozondjupa Region*. *Open Journal of Social Sciences*, 2, 288-298, <http://dx.doi.org/10.4236/js.s.2014.24032>

ZERO EMISSION RESEARCH INITIATIVE (ZERI)

*Coordinator:
Ms Pauline Muandingi*



INTRODUCTION

The **Z**ero **E**mission **R**esearch **I**nitiative (ZERI) programme at the University of Namibia is a vision, a concept, and a philosophy that aims to catalyze on the application of Science and Technology towards food security, the creation of employment opportunities, especially for rural women and the youth. It also focuses on the enhancement of people's health and socio-economic welfare; the production of sustainable development and environmental regeneration in rural and peri-urban communities.

ZERI exists to transfer scientific technology and skills to communities using organic waste in order to reduce poverty, generate income and create employment while at the same time promoting good health. Within the University, ZERI Project focuses on Mushroom Research, Farming and Development. The main activities of the Project are: To carry out research on product development using raw materials that are ordinarily deemed as waste from other industries such as that of Agriculture and food processing industries. The Project also secures that women and youth from rural and peri-urban origins take up and practice the scientific technologies and skills for them to become self-reliant.

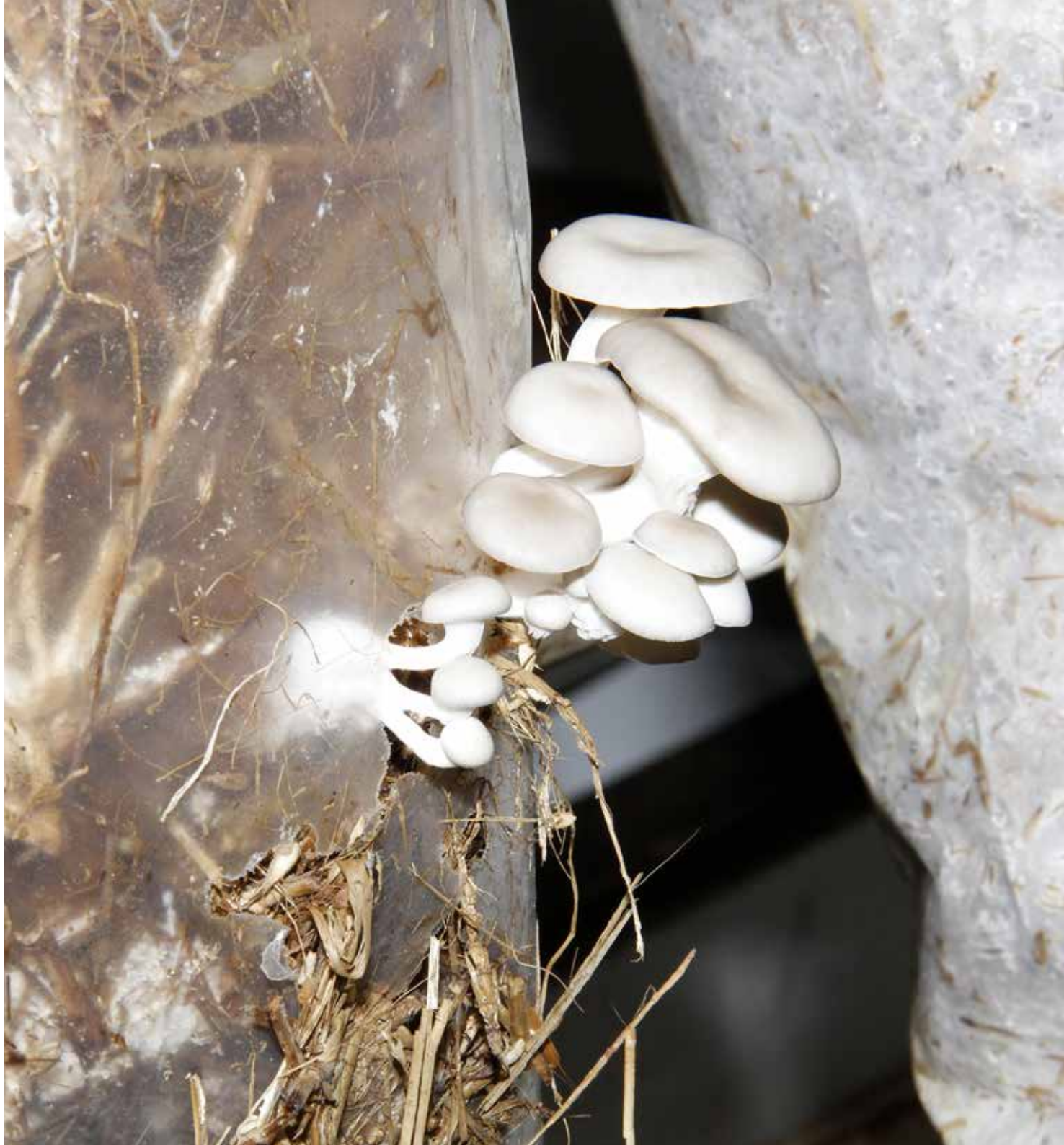
ZERI aims at providing affordable options that are viable and suitable to generate income that can contribute to the reduction of poverty for the people in Namibia's rural and peri-urban communities by promoting Mushroom Farming and Mushroom Consumption.

Most of the ZERI activities received funding from NEDBANK, United Nations Development Programme (UNDP), Global Environmental Facility (GEF), the United Nations University

(UNU), Rössing Foundation, the African Union through the Southern African Network for Biosciences (SANBio) and other donors that support specific community projects. Mushroom activities are supported through the University of Namibia campuses, the Zero Research Initiative Project Management Unit (ZERI/PMU) at main campus in Windhoek, the Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC) at Sam Nuyoma Campus in Henties Bay and Ogongo Campus in the North of the country. The main campus supports projects in Khomas, Omaheke, Kavango and Hardap Regions. SANUMARC supports project in Erongo, Otjozondjupa, Karas and Kunene regions, while Ogongo Campus supports projects that are in Ohangwena, Omusati, Oshana and Oshikoto regions respectively.

In 2009, the University of Namibia was selected by the African Union as the Mushroom Node for the Southern African Region. This recognition made UNAM a Centre of Excellence for mushroom research in coordinating Mushroom Science, Technology and Innovation (MSTI) activities at regional level through ZERI. Six southern African countries participated in the Node initiatives, namely: Angola, Malawi, Mozambique, Namibia Swaziland and Zambia. UNAM continued to carry out this function during the year under review despite the end of funding from the African Union through the Southern African Network for Biosciences (SANBio). Following extensive stakeholder consultations with Member States, the NEPAD Agency, development partners, SADC and private sector the SANBio Business Plan 2013-18 was officially endorsed by the joint Meeting of Ministers of Science and Technology and Education and Training in Maputo, June 2014. The University of Namibia is to still host the SANBio Mushroom Node for the Southern African Region due to its outstanding research and development on mushrooms.

ZERO EMISSION RESEARCH INITIATIVE (ZERI)



ACADEMIC ACTIVITIES

The Project continued to expand on research activities on local and exotic mushrooms. More detailed research on the produced Ganoderma Dietary Supplements in the form of capsules can be used in boosting the immune system to ward off many ailments. This extensive research contributes to promoting the use of Ganoderma mushrooms that are diverse in their mycochemical components, thus leading to its promotion as an effective food supplement for health maintenance. The mushrooms are reported to contribute in the cure of liver problems, heart condition, asthma, cancer, high blood pressure and arthritis. Having been used for decades in other parts of the world, especially in Asia, Ganoderma is recommended for use by people living with HIV/AIDS.

Research on other local mushrooms focused on buying and collecting edible undomesticated mushrooms that are sold by the communities. These mushrooms were bought, dried and processed into soups that were promoted as healthy food during the University Research Day at Neudamm Campus and at the 8th Stop Cervical and Prostate Cancer in Africa Conference (SCCA) during July. The Conference was organised by the African First Ladies Organization chaired by the Former Namibian First lady Madam Penelope Pohamba. The processing and promotion of soups will continue for the coming years depending on the availability of local edible mushrooms. The objective is to pass on the skills to the communities during mushroom cultivation and post-harvest trainings. Training of communities remains one of the core impact oriented activities of ZERI.

During 2014, ZERI staff participated in international and local conferences where the following scientific papers

on research and activities done on mushrooms in Namibia were presented:

- Growing Shiitake mushrooms on maize cobs in Namibia.
- Overview of Namibian medicinal mushroom.
- Comparison of different substrate sterilisation methods for oyster mushroom cultivation were presented at the 4th African Conference on Edible and Medicinal Mushrooms (ACEMM4) held at Masinde Muliro University of Science & Technology, Kenya.
- Overview of Mushrooms as Anti-cancer Therapeutics was presented at the 8th Stop Cervical and Prostate Cancer in Africa Conference (SCCA) Windhoek, Namibia.
- Isolation and identification of microbial contaminants affecting cultivated mushrooms at the Main campus of the University of Namibia, and the
- Ethnomycology of Indigenous Hexagonia species in Northern Namibia, at the 2nd Annual Science Research Conference during October in Windhoek, Namibia.

The following researches were carried out at ZERI during the year under review. These research involved students that were in the final year of their studies and were carried out as Research Projects which is the final activity before they graduate. Both students graduated and the full reports are available on request.

- The comparison of mycochemical composition of wild and cultivated Namibian Ganoderma mushrooms.
- Molecular identification of some Namibian indigenous mushrooms.
- Identification of mycochemical found in selected indigenous Namibian mushrooms.

RESEARCH AND PUBLICATIONS

Kadhila-Muandingi N.P., Nametso O., du Preez I. and Mumbengegwi D.R. (2014). Antiplasmodial activity of indigenous *Ganoderma lucidum* and *Terfezia pfeilii* Namibian mushrooms. Journal of Parasitology. Photon 104 (2013) 186-193.

I.S.E. Ueitele, N.P Kadhila-Muandingi and N. Matundu (2014). Evaluating the production of Ganoderma mushrooms on corncobs. African Journal of Biotechnology Vol 13 (22), pp 2215-2219.

ISE Ueitele, P Chimwamurombe and NP Kadhila-Muandingi (2014). Optimization of indigenous *Ganoderma lucidum* productivity under cultivation in Namibia. Int. Sci. Technol. J. Namibia. Vol 3 Issue 1.

NP Kadhila-Muandingi (2014). An Overview of Mushrooms as Anti-cancer Therapeutics. 8th SCCA 20 –22 JULY. Windhoek, Namibia.

NP Kadhila-Muandingi and PM Chimwamurombe (2014). Overview of Namibian medicinal mushroom. 4th African Conference on Edible and Medicinal Mushrooms (ACEMM4). Masinde Muliro University of Science & Technology, Kenya.

NP Kadhila-Muandingi, A Mbangi and LPM Nepembe (2014). Isolation and identification of microbial contaminants affecting cultivated mushrooms at Main campus of the University of Namibia. 2nd Annual Science Research Conference Book of Abstracts pp.54. Windhoek, Namibia.

ISE Ueitele, PM Chimwamurombe, S Louw and NP

Kadhila-Muandingi (2014). Ethnomycology of Indigenous Hexagonia species in Northern Namibia. 2nd Annual Science Research Conference Book of Abstracts pp.133. Windhoek, Namibia.

COMMUNITY ENGAGEMENT

As part of the University core objectives, ZERI is actively involved in community service in most parts of the country. During the year under review, the project has been supplying communities and individual mushroom farmers from all corners of the country with quality spawn (mushroom seeds). The PMU at the main campus in Windhoek is the main supplier of mushroom cultures and spawn for the whole country.

After some deliberation on finding solutions on how to sustain Community Mushroom Projects in the regions that seemed not to be active during 2014, it was decided that some Community Projects that have received training on mushrooms cultivation be revisited and revived with a different approach. The new approach was to re-train interested community members and choose a maximum of four committed members to grow and sell mushrooms and mushroom products. The money from the sales will then be halved so that 50% is shared among the four committed members with the other 50% devoted in the project's account for maintaining the project. This is an approach that is thought to encourage project members to feel the ownership for the Project. Where there were more people willing to commit, they were encouraged to make turns in order for them all to benefit from the income generated. This approach will be evaluated in 2015. Members from the community Projects of Iipanda in Ogongo constituency of Oshana Region, Ongula ya Netanga in Oshikoto Region, Mariental in Hardap Region

and Okaku in Oshana Region were trained in order to revive the Projects.

During training, participants were introduced to mushrooms in general: as food, medicine and the danger they pose if poisonous mushrooms are incorrectly identified as edible. Participants were enlightened on the importance of mushroom cultivation as an agribusiness activity that can improve livelihood, create employment while at the same time generating income. They were trained hands-on in the development of mushroom culture and spawn (seed). The identification of potential local materials to be used as substrate for growing different types of mushrooms was also emphasized. They were introduced to different types of mushroom houses and different local available materials that can be used to construct these houses and how they can be maintained. Lastly, the trainees were informed about contaminations and pest that might destroy their products and how they can be controlled during the whole production process of mushroom farming. Harvesting, marketing and preservation for the mushrooms also formed part of training.





Activities
OF OTHER UNITS

ESTATE SERVICES

Director:

Mr Martin Shikongo



INTRODUCTION

The year under review was characterised by remarkable capital projects in aid of teaching, learning and research facilities at the University of Namibia.

PROJECTS

The School of Medicine saw the completion of phase two, which consist of the Life Science II Building, student hostels, parking area and a taxi rank. Phase three, which consist of the Ambulatory building, Library and an Administration block is currently under construction.

The Indian wing of the Eng. Jose Eduardo dos Santos campus has also been completed and Phase three, housing an Auditorium, the Mining Engineering building, IT and Resource Centre, Computer Engineering Building and X-ray Laboratory are still in the design stages. The construction of the School of Military was also completed.

The following projects are currently under construction; the second entrance for the Main Campus, lecture theatre and extension and renovations of the Information and Learning Resource Centre building at the Hifikepunye Pohamba campus. The directorate is at present busy with the design stages for the extension and renovations of the administration block as well as the ILRC building at the Main Campus. The new Southern Campus in Noordhoek, Keetmanshoop is also in the design stage while the School of Veterinary Medicine in Windhoek is at the preliminary design stages.

MAINTENANCE

The following projects and maintenance projects have been completed at various campuses such as the supply

and installation of a security fence at Main Campus, while two Lecture halls, a Library and two student hostel blocks were constructed at the Sam Nujoma campus. Ogongo campus has seen the installation of air-conditioning systems while staff houses were renovated as well as the Game Park fencing completion. Renovations of offices were done at the Oshakati campus. Sports facilities were constructed at Jose Eduardo Dos Santos campus while the Khomasdal campus received a new student cafeteria and gym.

The directorate was also successful in completing the new entrance gate for the Katima Mulilo campus. The Rundu campus gym and renovations of the ablution facilities of the Main campus Old Hostels neared completion.

VEHICLES & TERRAIN SERVICES

During the review period, the department auctioned twenty-three used vehicles including busses, sedans, pick-ups (*bakkies*) and kombi's and replaced them with sixteen new vehicles which were dispatched to the various campuses. The directorate also contracted terrain services and cleaning services for all twelve campuses for the period starting January 2014 until December 2016.

SAFETY & SECURITY

The recommendations of the assessment report of the Namibian Police have been partly implemented on operational issues. Safety and security services were contracted out starting January 2015 until December 2017 for all twelve campuses as well as the centers in Eenhana and Tsumeb.

ESTATE SERVICES



STRATEGIC AND PHYSICAL PLANNING UNIT

*Director:
Mr Kennedy Mbangu*



INTRODUCTION

The Strategic and Physical Planning Unit (SPPU) is located in the Office of the Vice Chancellor and is tasked with the operational functions of Strategic Management, Physical Planning and Space Management as well as Information Management Services. Strategic Management involves the coordination of strategic planning and management processes in the University, the strategy implementation and performance reviews, and the monitoring and evaluation of the strategy. Information Management Services provides statistical data organisation through data warehousing, business intelligence and institutional research while Physical Planning and Space Management is concerned with property registration processes, determination of current and future University infrastructure needs, effective space management, inspections and space allocations.

The Unit also provides management information across all structures of the University, advices on strategic management interventions and policies pertaining to physical planning and performance reviews.

The Strategic and Physical Planning Unit aspires to become a centre of excellence in Strategy Management, Information Management and Services (MIS) and Physical Infrastructure planning.

KEY ACTIVITIES

The Unit successfully facilitated the business review for the year under review and finalised a total of 38 management plans.

The Unit responsible for Physical Planning and Space Management of the University recorded and updated all teaching, learning, office and auxiliary spaces on the

Main Campus. The preparation of guide plans for other campuses also commenced and will be finalised during the next year. In addition, the UNAM properties not yet transferred to the university's name were duly processed and are at varying stages of obtaining approval from the different authorities for final registration.

As far as the Management of Information Services and institutional research is concerned, the SPPU assisted the Human Resource Unit with staff data integrity identification which resulted in the update of all staff qualifications since 2011. The Unit also assisted with the design of the Research and Publication Unit Research repository which will enable UNAM to report on research statistics more quickly and efficiently. Furthermore, the Unit participated in the development of the higher education student database for the NCHE as well as the higher education funding formula. The Unit produced statistical statutory reports to the MoE, NPC and NCHE, UNESCO Uis and NSA annual economic survey. In addition, statistical reports such as the Ten Year Enrolment Report 2005-2014 and the Ten Year Graduation Report 2004-2013 were produced.

RESEARCH

The Unit undertook institutional research in order to support evidence based decision-making. During the period under review, a number of studies were undertaken. These include the 2014 Strategy Implementation Review, the 2014 Stakeholder (students, staff and external stakeholders) Satisfaction Study, the 2014 Registration Efficiency Study, a Meetings Administration Efficiency Study, the 2004 – 2008 Five Year Cohort Student Completion Rate study, the 2004 – 2008 Five year Student Success Rate Study and the 2008 – 2012 Five Year Student Dropout & Retention Rate study.

STRATEGIC AND PHYSICAL PLANNING UNIT



The Unit also embarked on the 2010-2014 Five Year Student Success Rate study, and the 2010-2014 Five Year Student Retention Rate Study.

As for Physical Planning and Space Management research activities, the space needs of the Windhoek Main Campus were assessed in terms of the South African Department of Higher Education (DHET) space standards. The same assessment methodologies will serve as the basis for the finalisation of Guide Plans for all the other campuses.

COMMUNITY ENGAGEMENT

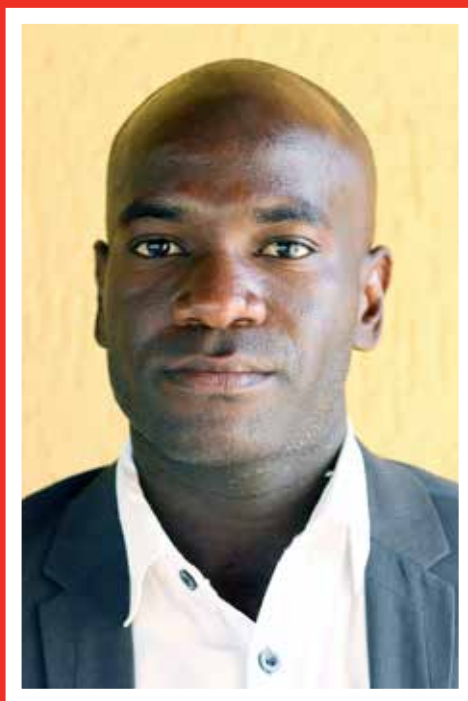
Together with the UCCB and the Omuthiya Town Council, the Unit was involved with the Omuthiya Agricultural Project. Once the project takes off, it is envisaged that the project will culminate into a joint venture that will stimulate the local economic activities in Omuthiya and the country at large.





UNIVERSITY CENTRAL CONSULTANCY BUREAU (UCCB)

*Acting Director:
Mr Evaristus Evaristus*



INTRODUCTION

The University Central Consultancy Bureau (UCCB) is a department strategically placed to support public sector initiatives for development in the public and private sector, as well as to serve as the coordinating body for all consultancy projects performed by the University. The UCCB utilises the talents and expertise of University staff members and external experts to enable UNAM to actively contribute to the realisation of the nation's economic development objectives.

The Bureau strives to be a service point of expertise in consultancy, whilst adhering to its core values to cultivate the development of a standard of excellence in consultancy research and services, project implementation and management; to provide services that are relevant, responsive and tailor-made to meet the client's needs; to build and retain relationship of trust, mutual understanding and respect with our clients, business partners and stakeholders; and to take responsibility for ensuring satisfaction of the services provided to clients through our performance indicators.

The UCCB provides consultancy services, professional development service, and capacity building and training to various organisations, individuals and ministries through the activities of the four Divisions: Business Development, Capacity Building and Training, Consultancy, and the Information Communication and Technology Academy (ICT Academy).

KEY ACTIVITIES

During the year 2014, a number of consultancy services, short courses training, institutional collaboration projects; institutional capacity building and human resources

development projects of national importance were carried out. Key successes in the department were eminent, which include the securing of the Inland Revenue Certificate of Good Standing for tendering purposes, as well as the appointment of the Assistant Director for Administration and Finance and that of the Office Administrator. The latter appointments smoothed the operations and performance of the department in terms of administration and financial reporting. A brief account of the activities and achievements of each division within the UCCB is summarized below.

Business Development Division

The main purpose and objective of the Business Development Division is to identify and engage in new business and commercial opportunities for the University and to provide platforms to facilitate, nurture, direct and train emerging entrepreneurs. This Division provides services such as Small and Medium Enterprise (SME) training, consulting, advisory services, marketing assistance, transfer of skills, as well as business linkage promotion. During the year under review, the Division successfully undertook a survey for the MVA and for the Southern Africa Innovation Support (SAIS).

Capacity Building and Training Division

The Capacity Building and Training Division works with internal and external stakeholders, and involves planning, initiating, as well as coordinating acquired and tendered projects for revenue generating. The Division also offers tailor-made solicited and unsolicited, accredited and non-accredited short courses as the main revenue generating activity.

**UNIVERSITY CENTRAL CONSULTANCY BUREAU
(UCCB)**



The Division provides up-to-date continuing professional development short courses to organisations that will enable them to turn potential into high performance. It also aims to transfer soft skills in order to spearhead Vision 2030, Public Sector Reform, Public and Private Partnership (PPPs), a knowledge-based economy and the objectives of NDP4.

During the year 2014, the Division successfully undertook numerous income generating activities which produced substantive revenues for the University. These included amongst others the Evaluation of Pilot Strategic Environmental Assessments (SEAs) in Namibia, Climate Change Education for Sustainable Development (CCESD), Geographical Information System (GIS) Consultancy, the Endombo Youth Project, Office Management Short Course, Statistical Program for Social Sciences (SPSS) Short Course, the Rescuing the Rock Art of Spitzkoppe Project, and the "Journalistisches schreiben für Az-journalistinnen" workshop.

Consultancy Division

The Consultancy Division has a broad mandate which includes consultancy and development support. The division specialises in providing research and technical assistance services to the central government, regional councils, development agencies and public and private sectors. Areas of special expertise includes land and agrarian reform, policy development and advocacy services, inland and marine fisheries, economic and social policy applications, applied research on socio-economic indicators development, development projects, programme implementation support, poverty alleviation, monitoring & evaluation and training, climate change and adaptation and issues affecting communities.

During the year 2014, the Division was contracted by the

National Youth Council to carry out training of its affiliated regional fora on selected unaccredited short-courses.

The Division also coordinated the English Language Proficiency Programme (ELPP) since its inception. During the period reviewed, the Division undertook the implementation of a face-to-face intervention, arranged the Placement and Exit Tests, processed the tests results and distribution of records of achievement, and monitored programme delivery. The involvement, cooperation and support from the Ministry of Education in the programme have been immensely vital since the inception.

Information Communication and Technology Academy (ICT Academy)

The ICT Academy of the UCCB is a Cisco and International Computer Driving License (ICDL) Training centre. During the period under review, the Academy trained a number of staff members and individuals in various Ministries, Directorates as well as private institutions. In addition to the International Computer Driving Licence (ICDL) and Cisco Certified Network Associated (CCNA) courses, tailor-made training on Microsoft Office package was also done.

COMMUNITY ENGAGEMENT

Two staff members from the Consultancy Division were invited to a consultative meeting convened by the Nama Traditional Leaders Association (NTLA) in Keetmanshoop. The purpose of the meeting was to discuss modalities on the promotion and protection of Indigenous Knowledge Systems with respect to genetic resources and how local communities can enjoy access to resources and share benefits that arise from the use and commercialisation of genetic resources.



UNAM FOUNDATION

Director: Ms Lorna Mbwale



INTRODUCTION

Registered in 1992, the Foundation is a discretionary charitable trust, created for the exclusive benefit of the University of Namibia. The Foundation exists for the purpose of securing and administering private resources in support of academic programmes, student scholarships, faculty developments, and public service initiatives at the University of Namibia to complement government funding.

Through being the fundraising arm of the University, the Foundation remained focused on creating networks and building relationships with local, national and international bodies and organisations, including individuals who have become friends through the sharing of resources, ideas, opinions, views, suggestions and proposals.

KEY ACTIVITIES

Registration of the Deed of Trust

The Deed of Trust, has been amended and approved by the UNAM Council. Five new Trustees were appointed, viz. Ms Rosalia Martins-Hausiku (CEO: MVA Fund), Mr Percival McCallum (HR Director: Swakop Uranium), Mr Michael Mukete (MD: EBank), Ms Patty Karuaihe-Martin (MD: NamibRe) and Mr Sam Shivute (Head of Banking Services, Bank of Namibia). A well-attended orientation session was held with the newly appointed Trustees on 3 November 2014.

Student Accommodation Public/Private Partnerships (PPPs)

The Foundation was tasked to advertise for Expressions of Interest from the public for the development of student accommodation on a PPP basis on the following campuses: School of Medicine (Windhoek); Oshakati,

Hifikepunye Pohamba (Ongwediva), Eng. José Eduardo dos Santos (Ongwediva); Rundu; and Katima Mulilo.

Shighuru Women's Agricultural Project

Funds were received through the office of the Vice Chancellor to kick-start the women project in Rundu to an estimated amount of N\$300,000.00. The aim was to enable the transferring of knowledge and skills to local community with regard to food security. Rice is an easy commodity in case of rare raining seasons. The project progressed and the public and private sectors were invited to assist this noble initiative of which harvesting is expected during early 2015.

Chancellor's Golf Day

The Chancellor's Golf Day was held at the Omeya Golf Club. A good atmosphere prevailed and all who were present enjoyed themselves and committed to participating next year. Although primarily a networking opportunity, a modest profit was raised, which went to the Student Hardship Fund. The Foundation will continue its efforts to host this annual event, as it provides a valuable opportunity to meet potential partners/investors/donors for University activities in a relaxed environment.

Gratitude is extended to Professor Mwandemele for his consistent support of this event and for his attendance at every prize-giving since inception of the event in 2010.

Alumni Association

A series of events were held during the year to create awareness of and promote the Alumni Association. Several new Alumni were registered during the year. The

UNAM FOUNDATION



Foundation is also part of the National Tracer Study of Graduates.

UNAM Service Outlets and Lease of Office Space

The UNAM Foundation continued to facilitate the University's efforts to optimise revenue from various privately-run on-campus, commercial enterprises, acting as contract administrator and relationship manager for the various outlets and facilities. Several new contracts were entered into during the period under review. This is a positive indication of the private sector's willingness to do business with the University, a practice that is being observed globally.

Student Financial Assistance Scheme

The Foundation remains grateful to its donors who have committed themselves to the upliftment and development of talented young Namibians who must rely on the goodwill of others to achieve their dreams of tertiary education. Through word of mouth, new donors continue to emerge and offer valuable contributions towards the betterment of the University and its resources.

Four new Bursary Funds were garnered during the year, viz. Anglogold Ashanti, Shoprite, Ericah Shafudah Financial Management Foundation Trust Fund and Labour Investment Holdings.









Financial
MATTERS

FINANCIAL MATTERS

*Office of the Bursar
Bursar: Mr Joppie Jansen*



GENERAL REVIEW

An unqualified audited opinion of the financial statements reflected that the year under review ended with a total comprehensive deficit of N\$65.3 million, which is N\$7.5 million less than the N\$75.2 million recorded for the 2013 financial year. However, at year end 2014, the Statement of Cash flows reflected a positive cash flow of N\$20.1 million (2013: N\$ 60.4 million) and a bank balance of N\$187.9 million (2013:N\$167.8 million) to start with operations in 2015 until Government releases the first subvention installment, normally in April of each year. It thus reflects an increase of available cash at year-end with an amount of N\$20.1 million. It is also important to mention that the accounting policies have been applied consistently. A valuation was carried out on our land and buildings by a private evaluator which resulted in the increase in the value of our land and building. The increase in value resulted in a change in accounting estimate.

During the year under review the University invested substantially in physical infrastructure and equipment, which resulted in the fact that the total non-current assets are valued at N\$2.192 billion (2013: N\$2.045 billion). The assets base increased with N\$147 million, of which Government contributed N\$96 million (2013: N\$145 million) towards development projects. This is again evidence and proof of an active management process of developing the University in terms of the ever increasing demand for quality education in response to the expectations of Vision 2030.

REVENUE AND EXPENDITURE

Revenue

The Government of the Republic of Namibia remains the major revenue source for the University operations. During the 2014 financial year, Government subvention for operational expenses amounted to N\$774.5 million, which represents a 35.8% increase as compared to the N\$570.4 million allocated in 2013. It is also necessary to mention that the student fee resources and charges of the University increased with N\$57.8 million, which represents a 24.5% growth. Some revenue sources which contributed to this include: tuition fees, accommodation fees and boarding fees. It is important to note that tuition fees are the second largest revenue source at the University and increased from N\$214.7 million in 2013 to N\$269.1 million in 2014. The total revenue for the year under review amounted to N\$1.119 billion in comparison to the N\$898.1 million for the 2013 financial year.

Expenditure

The total expenditure for the year under review amounted to N\$1.184 billion, which is N\$ 209 million more than the N\$974.9 million recorded in 2013. Employment costs amounted to N\$790.3 million, (2013: N\$ 659.9 million) excluding provisions for retirement benefits and accounted for 67% of total expenditure, (2013: 68%) and 71% of total revenue (2013: 73%). Employment costs will always remain the main expenditure category due to the nature of the University operations. Administration and other costs amounted to N\$394.3 million, (2013: N\$ 314.9) which represents 33.3% (2013: 32.3%) of the total expenditure including depreciation and provisions.

FINANCIAL MATTERS



FINANCIAL MATTERS

Office of the Bursar

Revenue and Expenditure Statement for the years ended 31 December 2014

	2014	2013 (Restated)
REVENUE	1, 119 040 000	898 137 000
Subsidies	774 535 000	570 487 000
Tuition fees	269 116 000	214 787 000
Hostel fees	27 071 000	23 610 000
Meal fees	17 540 000	18 074 000
Capital Grant from deferred revenue	95 000	40 603 000
Other income	30 683 000	30 576 000
EXPENDITURE	1, 184 670 000	974 902 000
Personnel and related costs	790 311 000	659 972 000
Retirement benefits obligation	55 407 000	41 031 000
Administrative costs	309 204 000	228 479 000
Depreciation, amortisation and impairments	28 824 000	45 402 000
Finance costs	895 000	18 000
Fair value adjustments	29 000	-
Deficit for the year	(65 630 000)	(76 765 000)

Events after the reporting period

No material subsequent events which required disclosure have been identified.



BLOCK
I

BLOCK
J

BISSAN

FINANCIAL MATTERS

Office of the Bursar

Figure 1: Revenue for 2014

REVENUE 2014 IN MILLIONS N\$

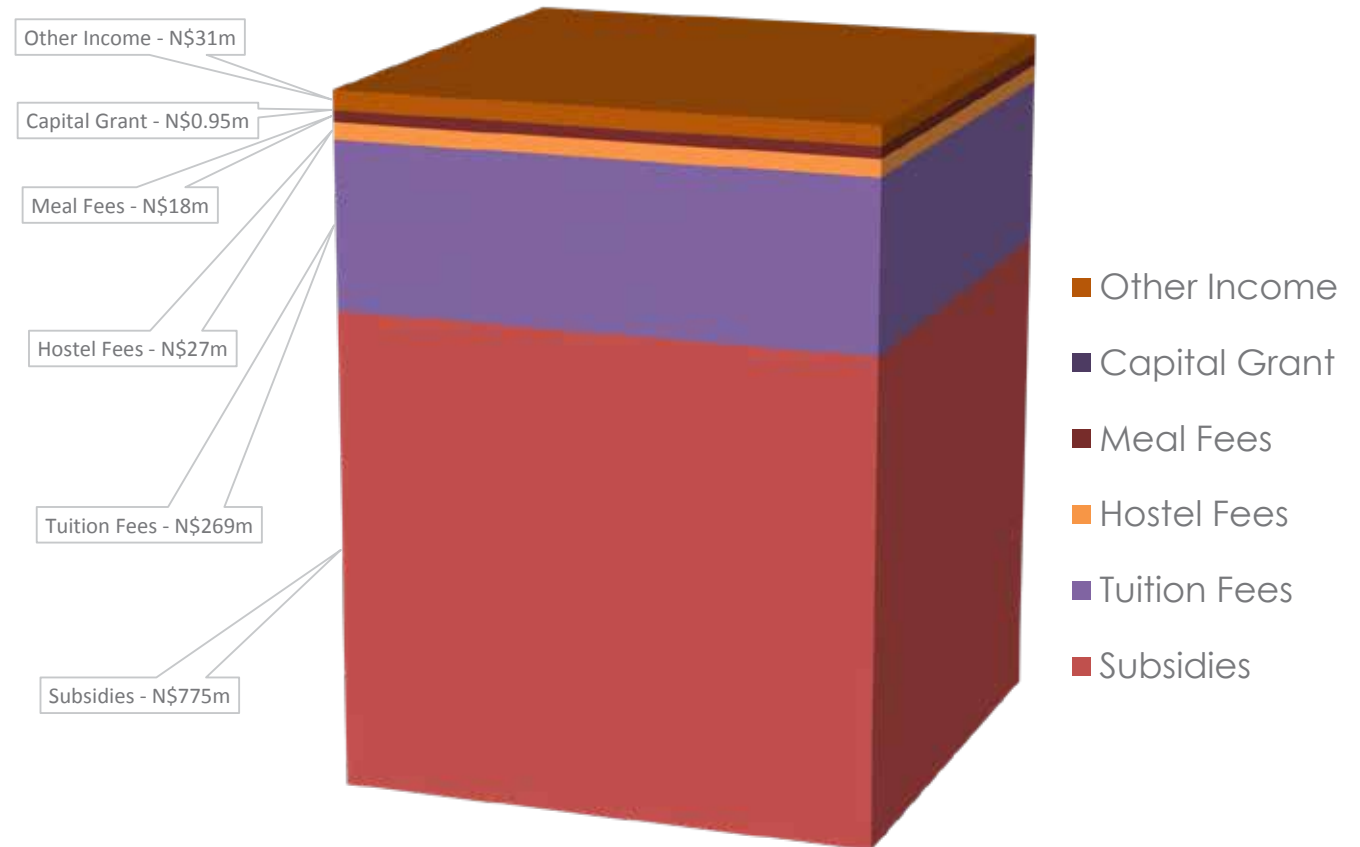
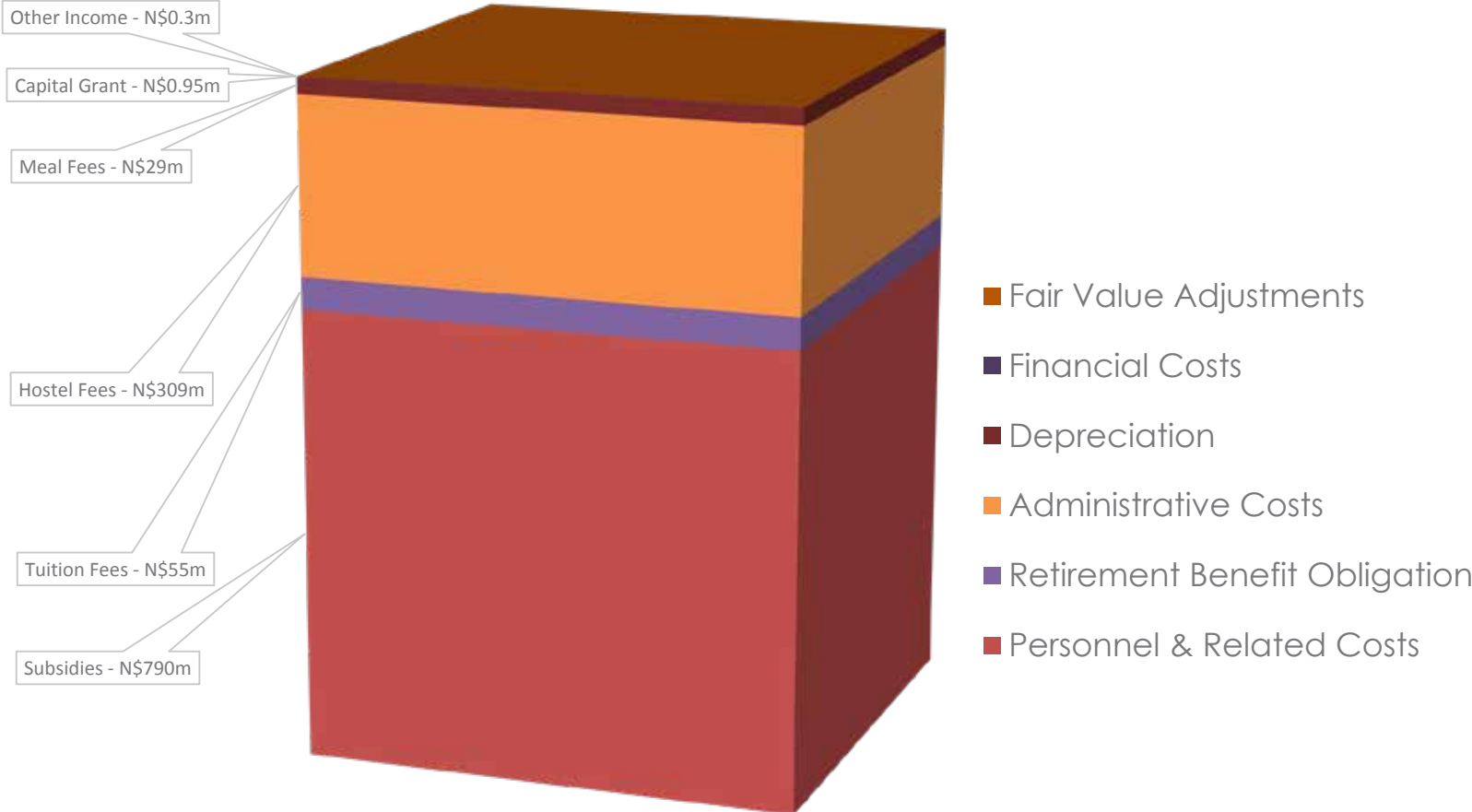


Figure 2: Expenditure for 2014

EXPENDITURE 2014 IN MILLIONS N\$



FINANCIAL MATTERS

Office of the Bursar

Extracts University of Namibia Annual Financial Statements for the year ended 31 December 2014

Statement of Financial Position as at December 31, 2014

	2014 N\$ '000	2013 N\$ '000 Restated	2012 N\$ '000 Restated
Assets			
Non-Current Assets			
Biological assets	5 810	6 172	3 993
Investment property	324 453	324 811	270 275
Property, plant and equipment	1 854 669	1 704 605	1 581 872
Intangible assets	3 607	6 516	7 241
Investments	3 624	3 178	2 463
	2 192 163	2 045 282	1 865 844
Current Assets			
Prepayments	8 095	6 533	5 519
Inventories	3 979	3 308	1 329
Student debtors and other receivables	109 323	78 894	201 150
Cash and cash equivalents	187 913	167 779	107 335
	309 310	256 514	315 333
Total Assets	2 501 473	2 301 796	2 181 177
Equity and Liabilities			
Equity			
Specific project funds	1 052	1 052	1 017
Retained earnings	23 528	80 564	151 965
	24 580	81 616	152 982

	2014	2013	2012
	N\$ '000	N\$ '000	N\$ '000
		Restated	Restated
Liabilities			
Non-Current Liabilities			
Retirement benefit obligation	269 933	226 853	198 810
Provision for severance pay	63 536	59 477	48 491
Long term loan	8 389	9 072-	
Deferred income	1 800 567	1 629 332	1 495 622
Trust funds	38 732	46 460	60 864
	2 181 157	1 971 194	1 803 787
Current Liabilities			
Long term loan	687	662-	
Deferred income	18 079	24 776	185
Provisions	136 473	101 212	82 275
Trade and other payables	140 481	122 336	141 948
	295 720	248 986	224 408
Total Liabilities	2 476 877	2 220 180	2 028 195
Total Equity and Liabilities	2 501 457	2 301 796	2 181 177

FINANCIAL MATTERS

Office of the Bursar

Extracts University of Namibia Annual Financial Statements for the year ended 31 December 2014

Statement of Profit or Loss and Other Comprehensive Income

	2014 N\$ '000	2013 N\$ '000 Restated
Revenue	313 727.00	256 471.00
Other income	23 504.00	23 681.00
Operating expenses	(1 183 747.00)	(974 883.00)
Government Subsidy	774 535.00	570 487.00
Deferred income released	95.00	40 603.00
Operating deficit	(71 886.00)	(83 641.00)
Investment revenue	7 180.00	4 851.00
Fair value adjustments	(29.00)	2 043.00
Finance costs	(895.00)	(18.00)
Deficit for the year	(65 630.00)	(76 765.00)
Other comprehensive income:		
Items that will not be reclassified to profit or loss:		
Remeasurements on net defined benefit liability & severance liability	(544.00)	1 518.00
Income tax relating to items that will not be reclassified	(1 518.00) -	
Total items that will not be reclassified to profit or loss	(2 062.00)	1 518.00
Other comprehensive income for the year	(2 062.00)	1 518.00
Total comprehensive deficit for the year	(67 692.00)	(75 247.00)



FINANCIAL MATTERS

Office of the Bursar



Extracts University of Namibia Annual Financial Statements for the year ended 31 December 2014

Statement of Changes in Equity

	Special project funds N\$ '000	Capital funds N\$ '000	Retained earnings N\$ '000	Total equity N\$ '000
	2 782	1 022 312	-16 011	1 009 083
Opening balance as previously reported				
Adjustments	0	-854 336	0	-854 336
Transfer to deferred revenue	-1 765	0	0	-1 765
Movement in trust funds	0	-167 976	167 976	0
Transfer to equity				
	1 017	0	151 965	152 982
Balance at January 1, 2013 as restated				
	-	-	-76 765	-76 765
Deficit for the year	-	-	1 518	1 518
Other comprehensive income				
	-	-	-75 247	-75247
Total comprehensive Deficit for the year				
	-	-	3 846	3 846
Correction of error - trust funds	35	-	-	35
Movement in trust funds				
	35	-	3846	3881
Total contributions by owners recognised directly in equity				
	1 052	-	80 564	81 616
Balance at January 1, 2014				
	-	-	-65 630	-65 630
Deficit for the year	-	-	-2 062	-2 062
Other comprehensive income				
	-	-	-67 692	-67692
Total comprehensive Deficit for the year				
	-	-	10 656	10 656
Movement in trust funds				
	1 052	-	23 528	24 580
Balance at December 31, 2014				

FINANCIAL MATTERS

Office of the Bursar

Extracts University of Namibia Annual Financial Statements for the year ended 31 December 2014

Statement of Cash Flows

	2014 N\$ '000	2013 N\$ '000
Cash flows from operating activities		
Cash receipts from customers	1 079 775	972 895
Cash paid to suppliers and employees	-1 049 248	-893 918
Cash generated from operations	30 527	78 977
Interest income	7 180	4 851
Finance costs	-895	-18
Net cash from operating activities	36 812	83 810
Cash flows from investing activities		
Purchase of property, plant and equipment	-185 703	-197 276
Sale of property, plant and equipment	2 357	
Purchase of investment property	0	-15 041
Purchase of other intangible assets	-131	-1 737
Purchase of investments	-446	-2 633
Purchase of biological assets	-880	-105
Sale of biological assets	1 213	802
Capital grants received	164 633	197 262
Net cash from investing activities	-18 957	-18 728

	2014	2013
	N\$ '000	N\$ '000
Cash flows from financing activities		
Special project fund accounts	0	35
Repayment of long term loan	-658	-266
Trust fund account	2 936	-14 404
Long term loan raised	0	10 000
Net cash from financing activities	2 278	-4 635
Total cash movement for the year	20 134	60 447
Cash at the beginning of the year	167 779	107 332
Total cash at end of the year	187 913	167 779

SENIOR OFFICE BEARERS OF THE UNIVERSITY OF NAMIBIA

CHANCELLOR

His Excellency, Dr Hifikepunye Pohamba
President of the Republic of Namibia

VICE CHANCELLOR

Prof. Lazarus Hangula

PRO-VICE CHANCELLORS

Prof. Osmund D. Mwandemele
(Academic Affairs and Research)
Dr. Boniface Mutumba
(Administration and Finance)(for 5 months)
Mr A Fledersbacher
(Acting Administration and Finance from
June 2014)

THE COUNCIL

Presidential Appointments

Prof Filemon Amaambo (Chairperson)
Mr Jan Arnold
Ms Sirkka Ausiku
Mr Cornelius Engelbrecht
Mr Matthew Gowaseb
Ms Inge Zaamwani-Kamwi

Ministry of Finance

Ms Ericah Shafudah

Ministry of Education

Mr Alfred Ilukena

Windhoek Municipality Council

Mr GH Kamatuka

External Non-Resident

Prof Keto Mshigeni
Prof Aggrey Ambali

Alumni

Mr Etuna Josua
Mr Inocencio Verde (Vice Chairperson)

UNAM Management

Prof Lazarus Hangula (Vice Chancellor)
Prof Osmund D Mwandemele
(Pro Vice Chancellor:
Academic Affairs and Research)
Dr. Boniface Mutumba
(Pro Vice Chancellor: Administration &
Finance)(5 months)
Mr Alois Fledersbacher
(Acting: Pro-Vice Chancellor:
Administration and Finance
from June 2014)

Ms Annelie Don
(Acting Registrar from June 2014)
Mr Job Jansen (Bursar)
Ms Ritva Niskala (Acting University Librarian)

Senate Members

Dr Regina Shikongo (first 6 months)
Dr Sifiso Nyathi (first 6 months)
Dr Frednard Gideon
Dr CM Beukes-Amis
Dr S Angombe
Dr N Indongo

Administrative Staff Representative

Mr Martino Olivier

Student Representative Council

Ms Adrie Hendricks
Mr Vincent Shimutwikeni

Management Observers

Prof John Baloro (Legal Advisor)
Mr Martin Shikongo Director: Estate Services)
Mr Reginald Izaks (Director: Human
Resources)
Dr Itah Kandjii-Murang (Dean of Students)
Mr Edwin Tjiramba
(Director: Communications and Marketing)

SECRETARIAT:

Mr A Fledersbacher -
(Registrar & Secretary; Senate)
Ms Joey Matthews - (Meetings Administrator)

Deans and Directors

Associate Prof F Mause -
Dean:
Faculty of Agriculture & Natural Resources
Prof K Mchombu -
Dean:
Faculty of Humanities & Social Sciences
Prof FP Kavishe -
Dean: Faculty of Engineering & IT
Dr F Gideon - Dean: Faculty of Science
Prof J Baloro - Dean: Faculty of Law
Prof P Nyarango -
Dean: Faculty of Health Sciences
Prof P Odonkor -
Associate Dean: School of Medicine

Associate Prof T Rennie -
Associate Dean: School of Pharmacy
Dr K Hofnie-//Hoebes -
Acting Associate Dean:
School of Nursing & Public Health
Dr C Villet - Dean: Faculty of Education
Associate Prof U Paliwal -
Dean: Faculty of Economic &
Management Sciences
Dr C Shaimemanya -
Director: Postgraduate Studies Unit
Dr RK Shalyefu - Director: TLIU
DR RM Shikongo - Director: CES
Prof E Omoregie -
Director: Sam Nuyoma Campus
Dr N Indongo - Director: MRC
Associate Prof E Maass -
Director: Academic Affairs
Dr SF Nyathi - Director: Centre for Quality
Assurance & Management
Dr CM Beukes-Amis - Director: e-Learning
and Interactive Multimedia Unit
Dr L Simasiku -Director: Language Centre
Ms P Uugwanga - Director: Oshakati Campus
Mr A Pomuti - Coordinating Director: UCCB
Mr J Nakufa - Director: HRDC
Mr M Hengari -
Director: Namibia Business School
Dr K Matengu - Director:
External and International Relations
Dr GN Likando - Director: Rundu Campus
Dr SM Ipinge - Director:
Hifikepunye Pohamba Campus
Ms E Kirchner - Director: Khomasdal Campus
Dr B Kangumu - Director:
Katima Mulilo Campus
Prof S Amoo - Acting Director:
Justice Training Centre (JTC)
Dr J Nyambe - Director: Continuing
Professional Development (CPD Unit)
Associate Prof I Mapaure - Co-ordinator:
Research & Publications Unit
Ms NP Kadhila-Mwandingi -
Co-ordinator: ZERI



CONTACT DETAILS

Main Campus

☎ (264-61) 206 3111; Private Bag 13301
340 Mandume Ndemufayo Avenue, Pioneers Park,
Windhoek

Eng. José Eduardo dos Santos Campus

☎ (264-65) 232 4000; P.O Box 3624
Namundjebo Mengela St, Ongwediva

Hifikepunye Pohamba Campus

☎ (264-65) 232 3000; Private Bag 5507
Main Road, Ongwediva, Oshakati

Khomasdal Campus

☎ (264-61) 206 7200; P.O Box 13317
Andre Kloppers Street, Khomasdal, Windhoek

Neudamm Campus

☎ (264-61) 206 4111; Private Bag 13188, Windhoek

Ogongo Campus

☎ (264-65) 223 5000; Private Bag 5520, Oshakati

Oshakati Campus

☎ (264-65) 223 2000; P.O Box 2654
Eliander Mwatale Street, Oshakati West, Oshakati

Sam Nujoma Campus

☎ (264-64) 502 609; P.O. Box 462
Omaruru Street, North Dune, Henties Bay

Southern Campus

☎ (264-63) 220 2000; P.O Box 1727
Gordon Street, Krönlein, Keetmanshoop

Rundu Campus

☎ (264-66) 268 6000; P.O Box 88
Kaisosi Road, Rundu

Health Sciences

☎ (264-61) 2 06 5023; Private bag 13301
Florence Nightingale Street, Windhoek North, Wind-
hoek

Katima Mulilo Campus

☎ (264-66) 262 602; Private Bag 1096
Winela Road, Katima Mulilo

Office of the Vice Chancellor

Office of the Pro-Vice Chancellor – Academic Affairs & Research

Office of the Pro-Vice Chancellor – Administration & Finance

Office of the Registrar

Office of the Bursar

Library

Centre for External Studies

Centre for Public Service Training

Centre for Quality Assurance and Management (CEQUAM)

Communications & Marketing Office

Computer Centre

Continuing Professional Development Unit (CPD)

Dean of Students

Disability Unit

Estate Services

HIV/AIDS Unit

Human Resources Office

Human Rights and Documentation Centre

Internal Auditor

International Relations

Justice Training Centre

Language Centre

Multidisciplinary Research Centre

Namibia Business School

Postgraduate Studies Unit

Research & Publications Office

Strategic & Physical Planning

Teaching and Learning Improvement Unit (TLIU)

UNAM Foundation

University Central Consultancy Bureau (UCCB)

ZERI Office

Faculty of Agriculture & Natural Resources

Faculty of Economic and Management Sciences

Faculty of Education

Faculty of Engineering & Information Technology

Faculty of Humanities and Social Sciences

Faculty of Law

Faculty of Health Sciences

- School of Medicine

- School of Nursing & Public Health

- School of Pharmacy

Faculty of Science

- School of Computing

- School of Military Science

☎ + 264-61) 206 3937

☎ + 264-61) 206 3035

☎ + 264-61) 206 3083

☎ + 264-61) 206 3764

☎ + 264-61) 206 3706

☎ + 264-61) 206 3873

☎ + 264-61) 206 3177

☎ + 264-61) 206 3837

☎ + 264-61) 206 4607

☎ + 264-61) 206 3094

☎ + 264-61) 206 3014

☎ + 264-61) 206 4682/3574

☎ + 264-61) 206 3759

☎ + 264-61) 206 3675

☎ + 264-61) 206 3904

☎ + 264-61) 206 3312

☎ + 264-61) 206 3701

☎ + 264-61) 206 3664

☎ + 264-61) 206 3250

☎ + 264-61) 206 3944

☎ + 264-61) 206 3989

☎ + 264-61) 206 3940

☎ + 264-61) 206 3767/3051

☎ + 264-61) 206 3992

☎ + 264-61) 206 4613

☎ + 264-61) 206 4673

☎ + 264-61) 206 3901

☎ + 264-61) 206 3338

☎ + 264-61) 206 3262

☎ + 264-61) 206 3362

☎ + 264-61) 206 34580

☎ + 264-61) 206 3895

☎ + 264-61) 206 3987

☎ + 264-61) 206 3978

☎ + 264-65) 232 4002

☎ + 264-61) 206 3813

☎ + 264-61) 206 3998

☎ + 264-61) 206 5023

☎ + 264-61) 206 5027

☎ + 264-61) 206 5056

☎ + 264-61) 206 5023

☎ + 264-61) 206 3047

☎ + 264-61) 206 3741

☎ + 264-61) 206 4609

A large, stylized red graphic element consisting of several curved, overlapping bands that sweep from the top right towards the bottom left, creating a sense of movement and depth.

Annual Report 2014

University of Namibia

Private Bag 13301

Windhoek

Namibia

☎ (264-61) 206 3111

Fax: (264-61) 206 3446

URL: <http://www.unam.edu.na>