



UNIVERSITY OF NAMIBIA

Annual Report 2013



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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.

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.



University of Namibia Vision & Mission

VISION

To be a beacon of excellence and innovation in teaching, research and extension services.

MISSION

To provide quality higher education through teaching, research and advisory services to our customers with the view to produce productive and competitive human resources capable of 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.



To guide the behavior of staff members of the University of Namibia the core values listed below were identified and adopted.

- *Professionalism*
- *Mutual respect*
- *Integrity*
- *Transparency*

Statement by the Chancellor of the University of Namibia

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

I am delighted as Chancellor to be part of this national institution and to share with you and the nation at large its hard work and academic achievements over the past year.

Since 1992, when it opened its doors to the first intake of students, the University of Namibia has produced thousands of graduates in various academic fields. Not only has the University grown in terms of physical expansion, its academic programmes have been expanded and the student population has grown significantly over the years. A few years ago it was unheard of to talk about locally trained engineers or health professionals. Today, the University is able to produce home-grown graduates in various fields, including the critical disciplines of Agriculture, Engineering, Medicine, and Computer Science, to mention a few. Such graduates leave the University armed with knowledge and skills, ready to make their contributions to the socio-economic development of our country. During the review period the University graduated its first batch of engineering students. The new schools of medicine and pharmacy are soon to follow suit. The Government of the Republic of Namibia will continue to support these initiatives in terms of the requisite infrastructure and funding to ensure that we live up to the expectations we have set for ourselves as a developing nation.

In a practical manner, the University of Namibia has been able to contribute to our nation's ongoing pursuit for capacity building and human resource development. This indeed is accelerating the momentum of taking Namibia towards the achievement of Vision 2030. Our nation expects our tertiary education institutions to demonstrate an unrelenting focus on the education and training of our young people as a critical component of national socio-economic development. In this context, I am pleased to report that the achievements enumerated in this report underscores the pursuit of excellence that lies at the heart of all the men and women who make up the University of Namibia.

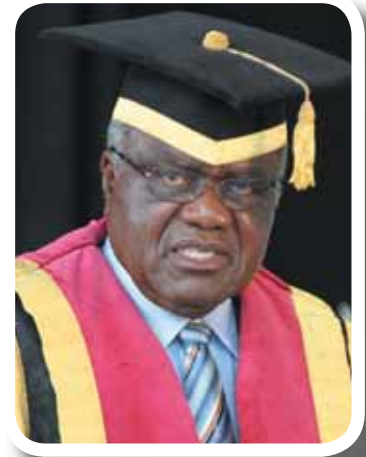
Namibia must continue to harness the power of education as one of the vital catalysts to transform our society and to address issues such as income inequality and

unemployment in our country. By educating our young people and indeed those adults who make time to study on a part-time basis, we lay a strong foundation for prosperity and the improvement of the living conditions of our people.

As the world becomes more integrated, we must position our nation to be able to compete successfully at regional, continental and international levels. In order to succeed, we need an educated and capable workforce that can drive the growth of our national economy. I am pleased that this report provides evidence that UNAM is contributing to the achievement of our national development objectives through appropriate training programmes.

As the reservoir of knowledge and new knowledge creation, UNAM has been at the forefront in finding appropriate solutions for the socio-economic development of our country. The newly introduced diploma in entrepreneurship and new venture management which will be available at the new UNAM Campus at Keetmanshoop is a clear strategy of empowering our people. I regard this programme and others as designed to be responsive to the specific challenges facing our out of school youth. We must, therefore, harness the energy and creativity of our young people as part of our nation's strategy to empower and help them become productive members of society.

The tremendous strides made by the University of Namibia during this review period has been enabled by a dedicated Council, Management, staff and students who have all come to terms with the role they each play in making UNAM the leading institution it is today. I commend all of them as a team and individually.





*Northern Namibia is home to four Campuses
of the University of Namibia
offering Qualifications in Agriculture,
Engineering and IT,
Nursing and Education.*

Statement by the Chairperson of Council

Professor Filemon Amaambo, Chief Surgeon, Oshakati & Onandjokwe Hospitals

Earlier this year Council re-elected me as Chairperson. I wish to thank Council for having demonstrated confidence in me. Being Chairperson of Council is a mammoth task. In terms of the University Act, the governing and executive authority of the University shall be vested in the Council of the University.

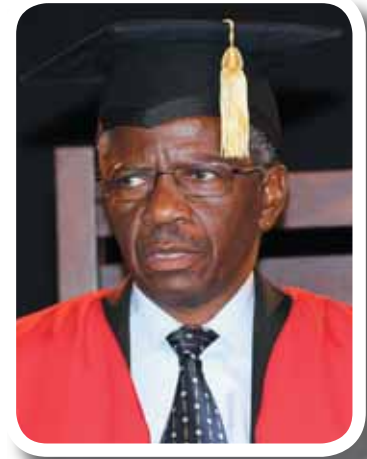
The position of Chairperson is therefore not always easy and comfortable to sit in. We have to remind ourselves of the many challenges facing this University. The provision of hostel accommodation for students at any of our 11 campuses nationwide is one such example. Our population is by large very rural and parents have to send their children very far to access higher education.

In order to strengthen the governance and administration of the University in terms of the Act, Council approved a revised Committee system as presented to it by the Statutes Committee. A number of committees were merged to allow for greater efficiency in the implementation of recommendations. The University Tender Board was further strengthened to ensure greater transparency and accountability.

Council noted with appreciation the progress made in terms of expanding and maintaining the physical infrastructure across the University system in responding to the ever-increasing demand for access to higher education. The completion of Phase 2 for both the School of Medicine and the Faculty of Engineering puts the University on course to respond to the required human resource output expected to meet the development needs of the country in terms of Vision 2030. The renovations done to the existing facilities generously availed by our government through the Ministry of Education in Keetmanshoop will ensure that instruction commences as planned next year for the academic programmes to emanate from the UNAM Southern Campus.

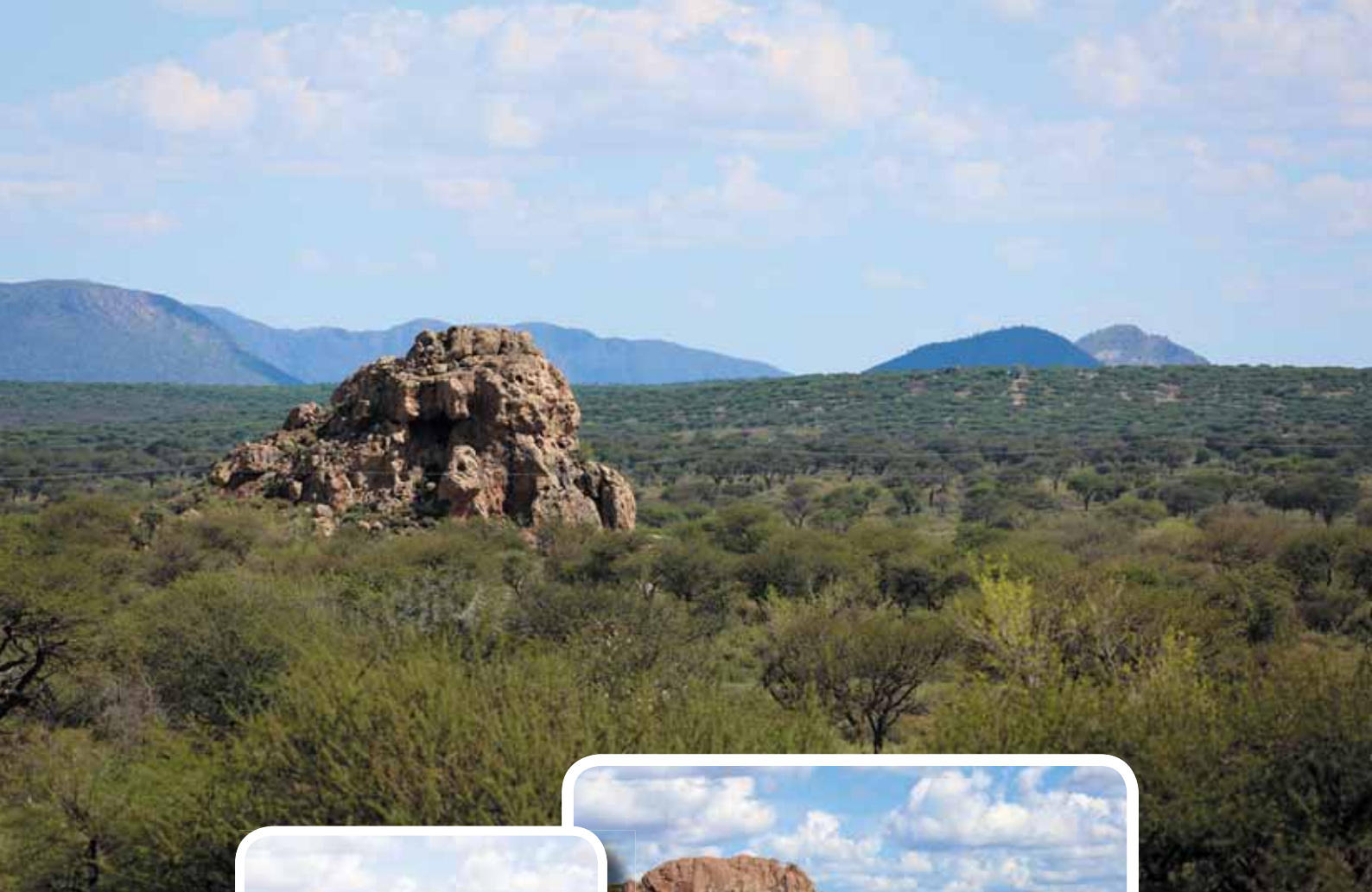
The Southern Campus project carries with it immense

national support and is being championed by our Chancellor and Head of State. Following a successful fundraiser which he led, the Chancellor was also joined by the Regional Governor, Minister of Education and captains of industry when he officiated at a ground-breaking ceremony for the new campus during this review period.



Council also approved a number of policies geared at ensuring a safe and conducive learning environment for students.

While noting the above accomplishments, we are constantly reminded that the proceedings of Council are of interest to the university community as well as to the broader public nationally. The credibility of our qualifications, staff appointments and promotion are such examples. We have to keep making positive progress on issues of these dimensions. We need to be fair and firm as Council and at the same time we need to be procedurally correct. Institutions of our magnitude are not build in anger but rather in peace and harmony. During the year under review, Council continued to rely on the support of the University Management as it renewed its commitment to mould this institution through guidelines provided by the University Act, Statutes and the resolutions we take at Council. It is one thing to take a big stick and start demanding action but a better way of doing things is when we as Council members drive ourselves maximally to do better.



...the University has witnessed significant increase in research output by its staff members, thereby making valuable contributions to the international body of knowledge.

Annual Report 2013 Overview

This report provides a concise account of the largest public institution of higher learning in the country, the University of Namibia. The University continues to strive to make education more accessible to the public, with currently 12 campuses, 10 regional centres and eight faculties geographically spread across the country.

The merger of the former colleges of education into University of Namibia system is now complete in terms of their transformation into full-fledged university campuses. Various structural changes have taken place in terms of infrastructure and the staff development profiles. Their transformation means that they are now an integral agent of the University, offering the same quality of education and a variety of courses. This has averted the previous injustice where learners from some regions in the country only had education as a career path available in their respective region.

The University has also escalated efforts aimed at diversifying income and reducing overreliance on the Government subvention, by partnering and collaborating with private and international organisations and governments to improve the quality of higher education and to acquire resources. These efforts have proven to be valuable, as an external audit of the entire University revealed last year, by the Europe Africa Quality Connect.

The attainment of national objectives, such as vision 2030, with particular reference to industrialisation are an imminent reality, cemented by the first batch of engineering graduates who are doing very well in industry. Recent infrastructural developments at the Faculty of Engineering further suggest that the numbers of graduates are bound to increase. The health sector is also expected to receive a batch of locally trained medical doctors from the School of Medicine in 2015.

Moreover, elaborative review of the work in all faculties, centres and departments for the year 2013 is lucidly expanded on in this 2013 annual report.



*The Main Campus of the University
is situated in the capital city Windhoek,
ranked as Africa's cleanest city!*

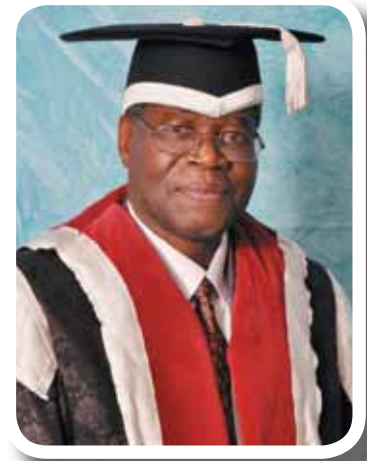
The Vice Chancellor's Executive Summary

Prof Lazarus Hangula

PREAMBLE

The University of Namibia attained the rank of Namibia's highest producer of new knowledge during the year under review. This accolade followed the University's ranking based on publications on the Web of Science, which is one of the most prestigious indexing system of science data bases according to the University's research coordinator, Prof Isaac Mapaure.

Enrolment across all academic programmes is nearing the 20,000 mark with instruction emanating from 12 campuses across the breadth of the republic. With a firm presence in the Southern part of Namibia, UNAM is set to change the higher education landscape of the country once the Southern Campus is fully operational with a key focus on geosciences.



KEY ACCOMPLISHMENTS

The University underwent an external audit exercise and came out with flying colours. The Europe-Africa Quality Connect under the auspices of the Association of African Universities and the European Union showered praises to the University of Namibia for not only allowing itself to undergo the external audit but also made results of the audit publicly available. The audit found UNAM as being highly transparent and its activities generally met the conventional operations of institutions of higher education. UNAM was further commended for its vibrant staff development and its astute principles of governance.

The Faculty of Engineering and Information Technology at Ongwediva produced its first batch of engineering graduates. This remarkable achievement was complemented by an endorsement by the Engineering Council of Namibia when it granted professional status to the Faculty's degree programmes. The Council further noted that UNAM's engineering programmes not only meet the ECN requirements, but also international engineering alliance standards. Phase Two of the Faculty was also made possible by a generous donation from the Government of the Republic of India which handed over a cheque of N\$48 million to the University. This phase includes construction of the Mining Engineering building and a library that will also serve as an information and resources centre.

The University of Namibia has the tumultuous task of striving to provide skilled human resources to help bolster development in the country. In its quest to respond to the national need to produce professionals for the health sector, the Right Honourable Prime Minister Dr Geingob inaugurated the School of Pharmacy at UNAM. The Premier termed the Pharmacy programme as a major milestone in the history of Namibia's health sector, and a clear signal our leaders' intention to propel Namibia towards a future of prosperity and development.

The increased capacity and research output at postgraduate level resulted in a number of candidates that were awarded doctorate and masters degrees during the year under review. A record high of nine doctorate degrees and 59 master's degrees awarded is a clear indication that Namibians are committed to new knowledge creation, an activity commonly attributed to postgraduate level of education.

The University was honoured to become the repository of a collection of historical documents from the United Kingdom. The donation, now in the custody of the UNAM Library Archives Unit, was officially handed over to the Vice Chancellor by Prof Richard Mawditt, the UNESCO Chair in Higher Education Management at the University

of Bath in the United Kingdom. The collection (1974-2001) comprises mostly articles written by various authors relating to the education of Namibians during and after the war, the English syllabus and curriculum, language policy, higher education, teacher training and the establishment of UNAM and its Department of Languages.

UNAM signed a N\$4.6 million dollar agreement with the Namibian Police under which the Namibia Business School of UNAM will train 22 senior officers in the Namibian Police Force. Funding was made possible by the Finnish Government. The course will lead to an Executive Diploma in Police Management and covers topics such as human rights, leadership, operations management and information communication and technology.

The UNAM Chancellor and President of the Republic of Namibia, H.E. Dr Hifikepunye Pohamba, appointed UNAM Pro-Vice Chancellor for Academic Affairs and Research, Prof Osmund Mwandemele, to the Presidential Economic Advisory Council. The Committee advises the Head of State on various socio-economic matters for the country. It is this type of reassurance that propels UNAM academics to reach greater heights.

Another first for UNAM was the appointment of its staff member in Geology Professor Benjamin Mapani, to chair the highly influential International Union of Geological Sciences - Commission on Geoscience for Environmental Management (IUGS-GEM). Considered to be the most powerful geological body in the world, the Commission wields immense academic clout in that it approves policies that bring about regulations, standards and norms in the geological sphere.

Similarly, German section academic Prof Marriane Zappen-Thomson was elected as President of the Association for German Studies in Southern Africa. Her appointment truly puts UNAM and Namibia on the map.

NEW ACADEMIC PROGRAMMES

The Faculty of Science introduced a four-year qualification, namely, the Bachelor of Military Science. The qualification aims to equip selected officers in the Armed Forces with the knowledge, skills and attitudes to manage the utilisation of technology within the socio-political and organisation environment. The course was designed in close collaboration with the Namibian Ministry of Defence and the Faculty of Military Science at the University of Stellenbosch.

The University Senate approved and implemented two new academic programmes within the Faculty of Agriculture and Natural Resources. The Bachelor of Veterinary Medicine and a Higher Diploma in Animal Health were launched at the beginning of the year under review. The two programmes are long overdue given the fact that Namibia is a prime producer of beef and that industry is a great contributor to the country's GDP.

The Department of Political and Administrative Studies in the Faculty of Economics and Management Sciences launched a Postgraduate Diploma in Security and Strategic Studies.

Senate approved a Master of Science degree in Civil Engineering with options in structural, transport and water engineering. The School of Nursing & Public Health in the Faculty of Health Sciences developed the Namibia Field Epidemiology and Laboratory Training Practice (NamFELTP) programme with the support from the Centre for Disease Control (CDC-USA) and Ministry of Health and Social Services. This prestigious programme was approved as a Masters of Science (Applied Epidemiology).

The Faculty of Science implemented Masters programmes in applied geology with majors in economic and exploration geology as well as hydrology and environmental geology. Senate also approved a master degree in microbiology for the same faculty.

INTERNATIONAL COLLABORATION

During 2013, the University of Namibia focused its international efforts on human resource development initiatives with universities around the world. The total number of new agreements signed during 2013 was 43. Of particular

interest are those in Finland (University of Eastern Finland), USA (University of Washington, University of California San Francisco), South Africa (Stellenbosch University) and Kenya (Jomo Kenyatta University of Agriculture and Technology) and several universities in Germany. The initiatives by the faculties of education, health sciences, agriculture and law also led to several research agreements being signed. The partnership agreements include staff mobility, organisation of joint conferences, student exchange and research.

The agreement entered into with the University of Eastern Finland resulted in a Master's Degree in Pre-Primary and Primary Education designed and launched at the Joensuu campus. The programme enrolled 8 staff members from the Faculty of Education. The staff members are expected to graduate in 2015. In order to increase research output and exposure, the MOU between UNAM and Stellenbosch was renegotiated to also include PhD candidates who are UNAM staff members as well as administrative members. The new agreement is reciprocal and now allows UNAM or SU staff members to spend more than 30 days as visiting researchers, spending a sabbatical or short visiting for benchmarking. In the same year, UNAM joined the Hope Project, an initiative of the Vice Chancellor of Stellenbosch University, Professor Russell Botman. The philosophy in Project Hope is that universities must be the voice of the voiceless but also that academic undertakings should show tangible impacts on communities they serve.

The year 2013 also saw the conclusion of negotiations between the Confucius Institute Headquarters, Hanban and UNAM on the establishment of a Confucius Institute and its governing structure. The Confucius Institute, which was officially launched in August 2013, will initially focus on Chinese language proficiency (Mandarin Testing Centre in HSK) but the long term goal is to also offer Chinese as an academic major as well as provide other academic fields such as Chinese Foreign Policy, Economy and Philosophy. During the same year, UNAM also sent an additional two Namibians to pursue their Master's degree in Geology at UNAM's partner institution, the China University of Geosciences, Beijing (CUGB). This brings the total number of UNAM staffers sent to that University to 7, of which three are expected to complete their degrees in July 2014. This initiative will go a long way in building capacity at the department of Geology.

In order to reduce human resource costs on block teaching by professors from Jomo Kenyatta University of Agriculture and Technology (JKUAT), the international office facilitated and negotiated the purchase and installation of a state-of-the-art Video-conference facility at JKUAT. The facility will allow professors to teach from Nairobi and only come to Namibia when they need to conduct practical work with students.

On the international student exchange front, UNAM received more than 20 international students from our partner institutions. Due to financial limitations, UNAM was only able to send 6 students abroad.

In regard to international institutional subscriptions, UNAM continued to maintain its membership with the Association of African Universities (AAU), the Association of Commonwealth Universities (ACU), SANORD Centre, International Higher Education Network, ANSTI, RUFORUM, SARUA, and SARIMA just to mention a few. In 2014, the international office will increase institutional subscriptions to also include research platforms, public relations and quality assurance organizations.

RESEARCH

A study conducted by an international expert, Guillemo Lemarchand, titled Science and Technology and Information Platform for Namibia, found that the University of Namibia, was still the country's chief contributor to new knowledge.

Therefore, a major milestone achieved during 2013 was the approval of a number of research policies to ensure that the research output within the University is well coordinated. These included the Research Policy, the Research Ethics Policy and the Scholarly Communications Policy of UNAM by the Senate of the University. These Policies will go a long way in guiding the conduct of research and related matters at the University. A Draft Intellectual Property Policy was also developed and commenced during the discussions at the various Committees during the review period.

One of the University's leading research units on mushroom production, the Zero Emission Research Initiative (ZERI), ventured into trials to cultivate indigenous mushrooms and successfully managed to cultivate one of the world's most known medicinal mushrooms called the *Ganoderma lucidum*. This mushroom is common in the northern regions of Namibia and has been used over many years for humans and animals. Further collaboration with the Food Sciences Department of the Faculty of Agriculture and Natural Resources resulted in producing *Ganoderma* Dietary Supplements in the form of capsules.

Researchers in the Multidisciplinary Centre of the University (MRC) continued their ground breaking research work in finding value addition to Mahangu millet, a staple food in northern and north-eastern Namibia. During the period under review, their research has particularly focused on investigating the relationship between starch structure and nutrition and to understand food processing in order to manipulate starch structure, chemistry, functionality and nutrition. Leading this team, Dr Komeine Nantaga, was confident that the investigation can contribute to the control and management of Type 2 diabetes, obesity and other illnesses.

The MRC is also on course to ensure that Namibia becomes Malaria free by 2020. Researchers in this Centre teamed up with counterparts at the University of San Francisco, the National Vector Borne Disease Control Programme, and with researchers from the London School of Hygiene and Tropical Medicine in the United Kingdom. The multidisciplinary teams were engaged in field trials using a new blood test for malaria called LAMP, the loop-mediated isothermal amplification, which is said to quickly detect malaria parasites in the body that are undetectable with the conventional Rapid Diagnostic Tests (RDTs).

Research activities at the Sam Nujoma Campus included laboratory cultivation of the macro-algae *Laminaria pallida* and *Gracilariopsis funicularis*, a project that formed part of SANUMARC partnership with the Kuiseb Fishing Enterprise (KFE), and the spawning of the Pacific Oyster under laboratory conditions and microalgae cells consumption by *Crassostrea gigas* spat.

Table 1A: Faculties & Centres Academic Staff

Faculty / Centre	Male	Female	Namibians	Non-Namibians	Total
Agriculture and Natural Resources	48	27	60	15	75
Economics and Management Sciences	37	11	41	7	48
Education	97	103	186	14	200
Engineering and Information Technology	29	3	17	15	32
Health Sciences - <i>School of Medicine</i>	24	10	14	20	34
Health Sciences - <i>School of Pharmacy</i>	3	3	4	2	6
Health Sciences - <i>School of Nursing Science and Public Health</i>	9	45	52	2	54
Humanities and Social Sciences	39	44	56	27	83
Law	8	6	9	5	14
Science	81	46	97	30	127
Centre for External Studies	9	7	16	0	16
Language Centre	8	9	16	1	17
University Central Consultancy Bureau	2	0	0	0	2
Oshakati Campus	7	18	24	1	25
Library	48	27	46	29	75
Centre for Quality Assurance and Management	1	0	0	0	1
Sam Nujoma Marine and Coastal Resources Research Centre	5	3	7	1	8
Multi-Disciplinary Research Centre	9	5	14	0	14
TOTAL FACULTIES AND CENTRES ACADEMIC STAFF	464	367	659	169	831

Table 1B: Faculties and Centres Support and Administrative Staff for 2010

Faculty / Centre	Male	Female	Namibians	Non-Namibians	Total
Agriculture and Natural Resources	75	39	114	0	114
Economics and Management Sciences	2	5	7	0	7
Education	59	54	113	0	113
Engineering and Information Technology	12	7	19	0	19
Health Sciences - <i>School of Medicine</i>	0	1	1	0	1
Health Sciences - <i>School of Nursing Science and Public Health</i>	2	4	6	0	6
Humanities and Social Sciences	3	2	5	0	5
Law	2	3	5	0	5
Science	0	7	7	0	7
Centre for External Studies	6	19	25	0	25
Language Centre	1	3	4	0	4
Multi-Disciplinary Research Centre	0	2	2	0	2
Sam Nujoma Marine and Coastal Resources Research Centre	5	1	6	0	6
University Central Consultancy Bureau	7	8	15	0	15
Oshakati Campus	10	10	20	0	20
Centre for Quality Assurance and Management	4	3	7	0	7
Teaching and Learning Improvement Unit	1	1	2	0	2
Postgraduate Studies Unit	0	2	2	0	2
HIV /AIDS Unit	0	1	1	0	1
Interactive Multi Media Unit	2	1	3	0	3
Centre for Professional Development	2	2	4	0	4
Research and Publications Office	0	2	2	0	2
TOTAL FACULTIES AND CENTRES SUPPORT AND ADMINISTRATIVE STAFF	193	177	370	0	370

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 Pro-Vice Chancellor (Academic Affairs and Research)	1	3	4	0	4
Office of the Pro-Vice Chancellor (Administration and Finance)	1	1	2	0	2
Office of the Registrar	4	14	18	0	18
Office of the Bursar	13	18	31	0	31
External and International Relations Office	1	1	2	0	2
Human Resources Directorate	5	19	24	0	24
Communication and Marketing	4	4	8	0	8
Estate Services	44	10	54	0	54
Computer Centre	14	3	17	0	17
Dean of Students	8	13	21	0	21
Library	12	24	36	0	36
UNAM Foundation	1	5	6	0	6
Strategic and Physical Planning Office	3	0	3	0	3
Internal Auditing	2	1	3	0	3
Office of the Legal Advisor	0	2	2	0	2
Investigations Unit	1	1	2	0	2
TOTAL CENTRAL ADMINISTRATIVE STAFF	116	121	237	0	237
GRAND UNIVERSITY TOTAL	773	665	1266	169	1438

Table 2: University Staff on Staff Development

Faculty or Unit	Department	No on Staff Dev.	No. left during the year	No. returned during the year	Faculty Total
Agriculture and Natural Resources	Agricultural Economics	3	-	-	3
	Animal Science	4	-	-	4
	Crop Science	3	2	-	5
	Food Science and Technology	1	-	-	1
	Fisheries and Aquatic Sciences	3	-	-	3
	Neudam Farming	3	-	-	3
	Ogongo Farming	5	-	-	5
Economics & Management Science	Accounting	7	-	-	7
	Economics	1	-	-	1
	Management Science	1	-	-	1
	Political and Administrative Studies	1	-	-	1
	Admin Staff	2	-	-	2
Education (All Campus)	Life-long learning	1	-	-	1
	Curriculum studies, instruction and Assessment	9	-	1	10
	Educational Foundations and Management	6	1	-	7
	Mathematics, Science & Sports Education	14	-	-	14
	Educational Psychology and Special Education	7	1	-	8
	Office of the Dean	2	-	-	2
	Education Languages and Commerce	14	-	-	14
	Early Childhood Development and Lower Primary	12	-	-	12
Humanities and Social Sciences	Languages & Literature Studies	1	-	-	1
	Information Studies	2	-	-	2
	Geography & History	1	1	-	2
	Performing & Visual Arts	2	-	-	2
	Psychology & Social Work	3	-	-	3
	Sociology	1	-	-	1
Law	<u>Office of the Dean</u> : Public Law & Jurisprudence, Private & Procedural Law, Commercial Law	4	-	-	4
	Administration	1	-	-	1
Science and ZERI	Nursing Science	6	1	-	7
	Administration	1	-	-	1
	Radiology	1	-	-	1
Administration	Biological Sciences	2	1	1	4
	Chemistry and Bio-Chemistry	5	3	-	8
	Computing	2	-	1	3
	Geology	1	-	-	1
	Mathematics	2	-	-	2
	Physics	2	1	-	3
	Statistics	3	1	-	4
Engineering and IT		1	-	-	1
MRCC		8	3	-	11
CES		5	-	-	5
School of Medicine	Student Support, Continuing Education & Director's Office, Materials Development	2	-	-	2
	Administration	4	-	-	4
Other Administration offices	(VC,PVC's,HR, Finance,ODS, UNAM foundation, Cequam, HIV, Comm, Registrar,Estate, Fac Officers, UNAM Press).	2	-	-	2
Oshakati Campus		52	-	-	52
TLIU		12	-	-	12
Computer Centre		3	-	-	3
Strategic Planning		6	-	-	6
Language Centre		1	-	-	1
Henties Bay		6	-	-	6
ILRC		-	-	-	-
TOTAL		32	-	2	34
TOTAL		273	15	5	293



About 61% of all full and part-time students enrolled at UNAM were females.

Similarly, female students also constituted the majority of those studying through the mode of distance at 66% of total enrolment.

Overview of Key Activities

Office of the Registrar

STUDENT ENROLMENT

Enrolments for the 2013 academic year were 17 518. The number of full and part-time students increased to 14 442, an increase of 7% compared to the previous year. In addition, the University enrolled a total of 3 076 students through the mode of distance teaching.

A total of 1 875 international students registered for full and part-time studies at the University. It follows therefore that 13% of all full and part-time students at UNAM were international students. It is worth noting that 31 international students pursued their academic programmes through the mode of distance teaching, an increase of 158% compared to the previous review period.

About 61% of all full and part-time students enrolled at UNAM were females. Similarly, female students also constituted the majority of those studying through the mode of distance at 66% of total enrolment.

UNAM registered a total of 12 326 students for Bachelor (Honours) degree programmes, and 611 students for Postgraduate Diplomas. It is interesting to note that UNAM registered a total of 559 students who were pursuing a Masters' Degree programme, which is an increase of 12% compared to the previous year under review (75 were international students). The highlight was that all 8 Faculties registered Ph.D. candidates – 148 students pursued Doctorate degree programmes, an increase of 17% compared to the previous year under review (33 were international students).

Table 3: Student Enrolment per Faculty/Centre

FACULTY/SCHOOL	QUALIFICATION	NAMIBIAN	NON-NAMIBIAN	FEMALE	MALE	TOTAL
AGRICULTURE & NATURAL RESOURCES	Ph.D	6	2	2	6	8
	Masters	13	4	7	10	17
	Bachelor (Honours)	380	35	227	188	415
	Diploma	202		121	81	202
	Total		601	41	357	285
ECONOMICS & MANAGEMENT SCIENCES	Ph.D	35	6	8	33	41
	Masters	174	28	87	115	202
	Post-Grad Diploma	163	8	99	72	171
	Bachelor (Honours)	1 569	780	1 325	1 024	2 349
	Diploma	646	31	411	266	677
	Certificate	150	6	111	45	156
	Non-degree purposes	6	2	3	5	8
Total		2 743	861	2 044	1 560	3 604
EDUCATION	Ph.D	20	2	12	10	22
	Masters	138	4	92	50	142
	Bachelor (Honours)	3 401	29	2 219	1 211	3 430
	Diploma	214	9	155	68	223
	Non-degree purposes	1		1		1
Total		3 774	44	2 479	1 339	3 818
	Ph.D		2	1	1	2
	Bachelor (Honours)	172	70	58	184	242
	Pre-Engineering	72	30	20	82	102
ENGINEERING & IT Total		244	102	79	267	346
HEALTH SCIENCES: SCHOOL OF MEDICINE	Bachelor (Honours)	235	47	191	91	282
HEALTH SCIENCES: SCHOOL OF PHARMACY	Bachelor (Honours)	54	22	51	25	76
HEALTH SCIENCES: SCHOOL OF NUR & PUBL HEALTH	Ph.D	14	1	11	4	15
	Masters	36	11	35	12	47
	Post-Grad Diploma	23		20	3	23
	Post-Grad Certificate	23	1	24		24
	Bachelor (Honours)	694	41	626	109	735
	Diploma	198	1	140	59	199
	Non-degree purposes		1	1		1
Total		988	56	857	187	1 044
HUMANITIES AND SOCIAL SCIENCES	Ph.D	22	9	18	13	31
	Masters	54	17	43	28	71
	Bachelor (Honours)	1 210	386	1 130	466	1 596
	Diploma	213	15	151	77	228
	Non-degree purposes	6	10	13	3	16
Total		1 505	437	1 355	587	1 942
LAW	Ph.D	2	4	3	3	6
	Masters	7	1	2	6	8
	Bachelor (Honours)	669	58	400	327	727
	Diploma	134	4	66	72	138
	Non-degree purposes	2	1	2	1	3
LAW Total		814	68	473	409	882

FACULTY/SCHOOL	QUALIFICATION	NAMIBIAN	NON-NAMIBIAN	FEMALE	MALE	TOTAL
SCIENCE	Ph.D	16	7	13	10	23
	Masters	62	10	47	25	72
	Bachelor (Honours)	1 182	169	739	612	1 351
	Diploma	172	7	74	105	179
	Non-degree purposes	1	4	4	1	5
Total		1 433	197	877	753	1 630
FOUNDATION PROGRAMME	Foundation Programme	176	0	96	80	176
TOTAL (FULL- & PART TIME)		12 567	1 875	8 859	5 583	14 442
CENTRE FOR EXTERNAL STUDIES	Post-Grad Diploma / Spec Dipl	416	1	243	174	417
	Bachelor (Honours)	1 098	25	728	395	1 123
	Diploma	1 063	4	719	348	1 067
	Certificate	450	0	327	123	450
	Non-degree purposes	18	1	14	5	19
Total		3 045	31	2 031	1 045	3 076
TOTAL (DISTANCE TEACHING)		3 045	31	2 031	1 045	3 076
GRAND TOTAL		15 612	1 906	10 890	6 628	17 518

STUDENT ENROLMENT PER REGION

The true diversity of the university population is always reflected by the regional representation of its students across all the 11 campuses nationwide. All 13 Regions within Namibia were represented through enrolments at UNAM. The Khomas region attracted most students, namely 4 227 for full and part-time studies, followed by the Omusati region with 2 041 students (an increase of 16% compared to the previous year).

The UNAM Windhoek Centre (at the Windhoek Main Campus) attracted most students for distance teaching, namely 1 034, followed by the UNAM Oshakati Centre (at the Oshakati Campus) with 924 students.

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

REGION	FACULTY/SCHOOL/UNIT											TOTAL
	Agriculture	Economics	Education	Engineering	Medicine	Pharmacy	Nursing	Humanities	Law	Science	Foundation	
ERONGO	22	156	105	18	12	3	32	85	52	83	8	576
HARDAP	8	48	48	4	8	2	19	20	29	21	1	208
KARAS	11	66	76	8	4	1	23	34	32	26	3	284
KAVANGO	23	149	449	20	10	7	63	56	21	74	3	875
KHOMAS	129	1272	817	33	104	12	235	695	435	482	13	4227
KUNENE	15	27	39	1	1	1	19	18	8	19	2	150
OHANGWENA	73	114	452	33	5	6	131	59	11	110	32	1026
OMAHEKE	11	46	26	5	4	0	5	24	7	16	0	144
OMUSATI	153	256	712	48	41	12	247	185	73	268	46	2041
OSHANA	89	253	552	47	23	6	135	123	56	177	58	1519
OTJIKOTO	13	78	87	14	5	1	14	35	11	29	4	291
OTJOZONDJUPA	17	145	85	5	12	2	33	63	40	58	5	465
ZAMBEZI	37	133	326	8	6	1	32	108	39	70	1	761
												12567

Table 5: Enrolments per UNAM Regional Centre (Distance teaching)

UNAM REGIONAL CENTRE	SUB-TOTAL	TOTAL
NAMIBIAN		3 045
Eenhana	145	
Gobabis	57	
Katima Mulilo	159	
Keetmanshoop	113	
Khorixas	34	
Otjivarongo	88	
Oshakati	918	
Rundu	267	
Swakopmund	144	
Tsumeb	108	
Windhoek	1 012	
NON-NAMIBIAN		31
Oshakati	6	
Rundu	1	
Otjivarongo	1	
Windhoek	22	
Swakopmund	1	
TOTAL		3 076

STUDENT ENROLMENT PER CITIZENSHIP (INTERNATIONAL)

UNAM registered 1 875 international students from 37 different countries for full-time and part-time studies. An additional 31 international students from 8 different countries opted to study through the mode of distance teaching, which is an increase of 158% compared to the previous year.

Table 6: Student enrolments per Citizenship (International)

COUNTRY	FACULTY/SCHOOL										COUNTRY TOTAL
	Agriculture	Economics	Education	Engineering	Medicine	Pharmacy	Nursing	Humanities	Law	Science	
AMERICAN SAMOA	-	1	-	-	-	-	-	-	1	-	2
ANGOLA	3	75	3	5	-	2	-	10	-	19	117
ARGENTINA	-	-	3	-	-	-	-	-	-	1	4
BOTSWANA	2	58	8	1	1	1	1	31	6	6	115
BURKINA FASO	-	1	-	-	-	-	-	-	-	-	1
BURUNDI	-	1	2	-	-	-	-	-	-	1	4
CAMEROON	-	1	-	-	-	-	1	1	-	-	3
CHINA	-	4	-	-	-	-	-	2	-	-	6
CONGO	1	16	-	1	1	-	1	5	-	7	32
DEMOCRATIC REP OF CONGO	-	11	-	-	1	-	2	1	-	5	20
EGYPT	-	-	-	-	1	-	-	-	-	-	1
FINLAND	-	1	-	-	-	-	-	1	-	2	4
GERMANY	-	1	-	-	1	-	-	7	-	3	12
GHANA	-	2	-	-	-	-	-	1	-	-	3
INDIA	-	1	-	-	1	-	-	1	-	1	4
JAMAICA	-	-	-	-	-	-	-	1	-	-	1
KENYA	-	9	-	-	2	-	3	3	2	6	25
KOREA, PDR (NORTH)	-	-	-	-	-	-	-	-	1	-	1
KOREA, REPUBLIC (SOUTH)	-	-	-	-	-	1	-	-	-	-	1
LESOTHO	-	1	-	-	-	1	-	1	-	1	4
MALAWI	5	21	-	2	-	-	2	10	3	4	47
MOZAMBIQUE	-	1	-	-	-	-	-	1	-	-	2
NETHERLANDS	-	1	-	-	-	-	-	-	-	-	1
NIGERIA	1	8	2	2	5	-	2	7	3	2	32
RUSSIAN FEDERATION	-	-	-	-	-	-	-	1	-	-	1
RWANDA	-	1	-	1	-	-	1	1	2	-	6
SEYCHELLES	1	-	-	-	-	-	-	-	-	-	1
SOUTH AFRICA	2	1	2	-	18	2	1	4	2	2	34
SPAIN	-	-	-	-	-	-	-	1	-	-	1
SWAZILAND	1	-	1	-	-	1	-	2	-	1	6
SWEDEN	-	-	-	-	-	-	-	4	-	-	4
TANZANIA	1	3	1	1	1	-	3	7	1	8	26
UGANDA	1	2	1	1	1	-	3	6	3	1	19
UNITED KINGDOM	-	-	-	-	1	-	-	-	-	-	1
ZAMBIA	8	449	14	57	9	4	11	134	19	76	781
ZIMBABWE	13	191	7	31	4	10	25	194	25	51	551
TOTAL (FULL- & PART-TIME)											1875
DISTANCE TEACHING (CES)											
ANGOLA											5
BOTSWANA											1
DEMOCRATIC REPUBLIC OF CONGO											1
NIGERIA											1
SOUTH AFRICA											3
TANZANIA											3
ZAMBIA											8
ZIMBABWE											9
TOTAL (DISTANCE TEACHING)											31
GRAND TOTAL											1906

Table 7: Enrolment per Campus (Full- & Part time)

NAMIBIAN/NON-NAMIBIAN	CAMPUS	TOTAL
	Hifikepunye Pohamba Campus (Ongwediva)	985
	Katima Mulilo Campus	305
	Khomasdal Campus	612
	Neudamm Campus	196
	Ogongo Campus	233
	Ongwediva Campus (Engineernig & It)	172
	Oshakati Campus	460
	Rundu Campus	455
	Sam Nujoma Campus (Henties Bay)	26
	School of Medicine	289
	Windhoek Main Campus	8 834
Namibian Total		12 567
	Hifikepunye Pohamba Campus (Ongwediva)	4
	Katima Mulilo Campus	1
	Khomasdal Campus	5
	Neudamm Campus	12
	Ogongo Campus	5
	Ongwediva Campus (Engineering & It)	70
	Oshakati Campus	9
	Rundu Campus	3
	Sam Nujoma Campus (Henties Bay)	9
	School of Medicine	69
	Windhoek Main Campus	1 688
Non-Namibian Total		1 875
OVERALL		TOTAL
	Hifikepunye Pohamba Campus (Ongwediva)	989
	Katima Mulilo Campus	306
	Khomasdal Campus	617
	Neudamm Campus	208
	Ogongo Campus	238
	Ongwediva Campus (Engineering & It)	242
	Oshakati Campus	469
	Rundu Campus	458
	Sam Nujoma Campus (Henties Bay)	35
	School of Medicine	358
	Windhoek Main Campus	10 522
GRAND TOTAL		14 442

STUDENT ENROLMENT PER CAMPUS (FULL- AND PART-TIME)

The University of Namibia has 11 Campuses spread strategically all over Namibia. A twelfth Campus, namely the Southern Campus in Keetmanshoop, will start operating in 2014.

The Windhoek Main Campus attracted 10 522 full and part-time students, followed by the Hifikepunye Pohamba Campus in Ongwediva, with 989 full and part-time students.

Table 7: Graduates per Faculty/Centre

FACULTY	QUALIFICATION	MALE	FEMALE	SUB-TOTAL	FACULTY TOTAL
Agriculture & Natural Resources					
	Diploma	14	32	46	86
	Bachelor (Honours)	23	12	35	
	Masters	4	1	5	
Economics & Management Science					
	Certificate	25	85	110	681
	Diploma	82	143	225	
	Bachelor (Honours)	94	143	237	
	Postgraduate Diploma	25	49	74	
	Masters	24	11	35	
Engineering & Information Technology					
	Bachelor (Honours)	27	9	36	36
Education					
	Diploma	178	329	507	343
	Bachelor (Honours)	46	115	161	
	Postgraduate Diploma	2	4	6	
	Masters	3	14	17	
	Ph.D	2	1	3	
Health Sciences					
<i>School of Nursing & Public Health</i>					
	Diploma	23	43	66	242
	Bachelor (Honours)	19	138	157	
	Postgraduate Diploma	2	7	9	
	Masters	3	5	8	
	Ph.D	0	2	2	
Humanities & Social Sciences					
	Certificate	20	91	111	422
	Diploma	55	135	190	
	Bachelor (Honours)	23	81	104	
	Masters	6	9	15	
	Ph.D	2	0	2	
Law					
	Diploma	19	12	31	208
	Bachelor (Honours)	75	101	176	
	Masters	1	0	1	
Science					
	Diploma	10	14	24	197
	Bachelor (Honours)	61	103	164	
	Masters	4	3	7	
	Ph.D	2	0	2	
GRAND TOTAL		745	1470	2 215	2 215

Table 8: Graduates – International Students

COUNTRY	MALE	FEMALE	TOTAL
ANGOLA	1	5	6
BOTSWANA	5	6	11
BURUNDI	1	0	1
CAMEROON	1	0	1
CHINA	1	0	1
CONGO	0	4	4
DEMOCRATIC REPUBLIC OF THE CONGO	0	2	2
KENYA	2	1	3
MALAWI	1	5	6
NIGERIA	2	1	3
SWAZILAND	1	0	1
TANZANIA	1	2	3
UGANDA	1	1	2
ZAMBIA	39	34	73
ZIMBABWE	27	35	62
GRAND TOTAL	83	96	179

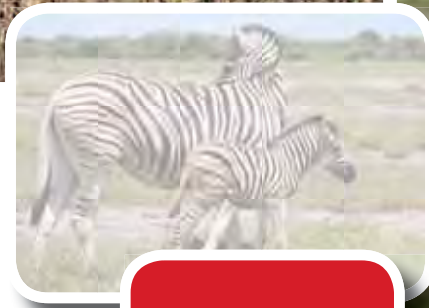
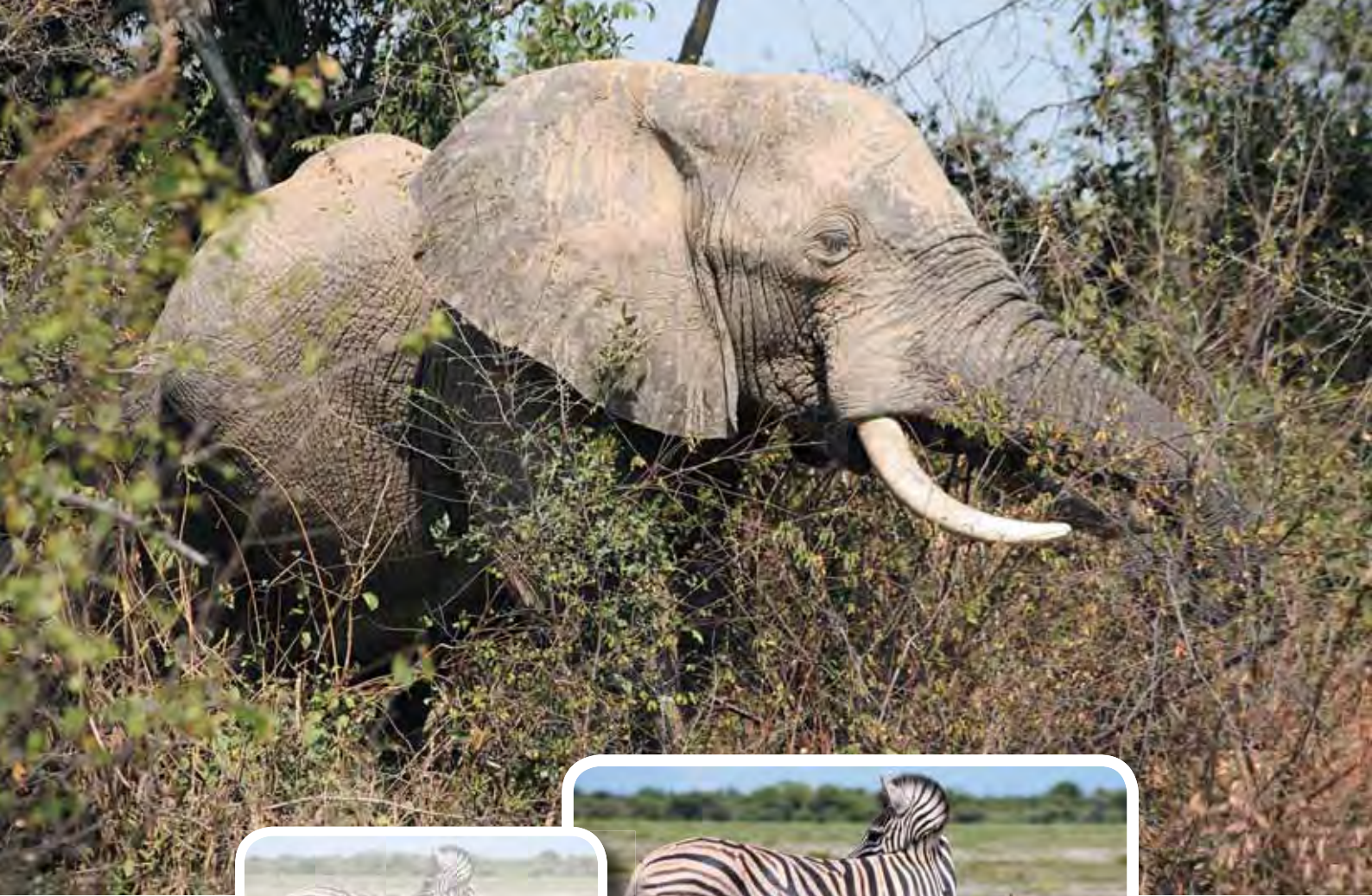
GRADUATION

A total of 2 215 candidates graduated from UNAM during the academic year under review. It is interesting to note that, in terms of gender, 66% of the graduates were female.

A total of 221 Certificates, 726 Diplomas, 1 092 Bachelor (Honours) degrees, 86 Postgraduate Diplomas, and 81 Masters degrees were conferred during the year under review.

The highlight was the conferment of 9 Doctorate degrees – 3 within the Faculty of Education, 2 within the Faculty of Health Sciences (School of Nursing and Public Health), 2 within the Faculty of Humanities and Social Sciences, and 2 within the Faculty of Science.

A total of 179 international students from 15 different countries graduated from UNAM. Zambia had the most candidates, namely 73, followed by Zimbabwe with 62, and Botswana with 11.



The University has several farms located at Neudamm, Ogongo and Otjiwarongo. The FANR manages these farms, and the farms at Neudamm and Ogongo produce farm products namely horticultural products and farm-animal products.

Activities of Faculties, Schools & Campuses

FACULTY OF AGRICULTURE AND NATURAL RESOURCES

Dean: Prof F Mause

INTRODUCTION

The Faculty of Agriculture and Natural Resources aims to emerge as a centre of excellence in education and training that will contribute towards the promotion of sustainable agriculture and natural resource development in Namibia and SADC region at large. Furthermore, the Faculty will emerge as a center of excellence in basic and applied research that is pertinent to national and regional agricultural and natural resource developmental issues.

It further aims promote sustainable agriculture and natural resources development and management in Namibia through teaching, research, and outreach services, to communal and commercial farming communities

The Faculty of Agriculture and Natural Resources (FANR) is headed by the Dean, Prof. F. Mause, who is assisted by two Deputy Deans, Dr. P. Petrus at the Neudamm Campus and Dr. J. Njunge at the Ogongo Campus. The FANR is housed at four Campuses (Neudamm, Ogongo, Katima Mulilo and Sam Nujoma), with its headquarters at the Neudamm Campus, approximately 40 km from the UNAM Main campus in Windhoek.

The University has several farms located at Neudamm, Ogongo and Otjiwarongo. The FANR manages these farms, and the farms at Neudamm and Ogongo produce farm products, namely, horticultural products and farm-animal products, which are sold at subsidized prices to staff members and students.

ACADEMIC ACTIVITIES

The Department of Agricultural Economics implemented a new curriculum enabling its students to specialise right from the first year to ensure that they are introduced to economics modules as early as possible. Similarly, the Department of Animal Science's new curriculum was also adopted and handed to the National Qualification Authority for accreditation.

Apart from conducting the normal teaching and learning processes, the Department of Crop Sciences conducted research on foxtail millet at Ogongo and a few other distant outreach stations such as Okashana.

The Faculty continued its work on the Namibia-Japan Rice and Mahangu Project, formally called "Flood- and Drought-Adaptive Cropping Systems to Conserve Water Environment in Semi-arid Regions". The five-year project aims to develop flood-and drought-adaptive cropping systems for semi-arid northern Namibia. A new rice and pearl millet (mahangu) mixed cropping system is being developed through integrated research in the field of crop science, hydrology and development studies. The Project operates under the umbrella body of Japanese government program called SATREPS. It is financially supported by Japan International Cooperation Agency (JICA) and Japan Science and Technology Agency (JST), which also implement it jointly with UNAM, Ministry of Agriculture, Water and Forestry (MAWF) and Ministry of Education.



The project promotes sustainable agriculture through crop diversification; therefore, various studies are being carried out in the country's north-central regions. The new cropping system is being tested under the experimental model of a sloped field (1.28 ha) at Ogongo Campus that mimics natural water ponds (oondombe) found in several local farms. This model is also on trial at nine local farmers' fields as demonstration farms. Information on rainfall and underground water is being collected to determine the water budget of the cropping system. A total of 29 automated tipping bucket rain gauges were installed in Omusati, Oshana and Ohangwena regions. In addition, 18 underground water level sensors were set up in oondombe in three villages in Omusati Region. Further, studies are underway to assess farmers' changes in attitudes, perceptions and socio-economic conditions due to the new cropping system.

The project trained 23 staff from UNAM and MAWF in rice production management through short courses conducted in Japan. Moreover, a UNAM staff is currently pursuing a PhD programme in crop science at Kinki University, Japan, under the project's funding. The project had also exposed more than 600 local farmers to various rice production activities through workshops and field days. The new concept of rice and mahangu mixed cropping system is expected to contribute to improved local food security by reducing the risk of total crop failure caused by irregular floods or droughts occurring in the area.

The Department of Integrated Environmental Science undertook field trips with their students to destinations, which included Rundu, Grootfontein - Tsumeb, Windhoek, Etunda Irrigation Scheme, Ondangwa and Oshakati.

The Department of Fisheries and Aquatic Sciences was relocated to the Sam Nujoma Campus in Henties Bay. The students undertook most practicals at the coastal towns of Swakopmund and Walvis Bay as well as at laboratories on campus.

The Department of Food Science finalized the new curriculum and is ready for accreditation by the National Qualification Authority.

The Department of Veterinary Medicine continued to teach all Veterinary Medicine modules and assisted the Departments of Animal Science, Food Science, Wildlife Management and Ecotourism in teaching other modules to students at Neudamm, Ogongo and Katima Mulilo campuses during 2013. Two new academic programmes, namely, the Bachelor of Veterinary Medicine (BVM) and Higher Diploma in Animal Health (HDAH) went through the University's committee for review and were approved by Senate. These two programmes were launched in February 2013 to be carried out at the Main/Neudamm and Katima Mulilo Campuses, respectively.

The Department of Wildlife Management conducted quantitative studies by means of the line transect method on the species and dominance structure of breeding avian communities in two different habitats areas in the Zambezi Region, namely, in the Zambezi Forest and in Mopane Savanna. In the town Katima Mulilo (c. 150 ha), the mapping method has been employed to estimate densities of all bird species. In November 2013 studies were also conducted on the population dynamics of ungulates in Waterberg Plateau Park and Etosha National Park. It also established a collaboration with Salambala Conservancy and Kwando Conservancy in the Zambezi Region, which will include common counts of large mammals and birds in those conservancies.

The Faculty was also involved in the community conservation fisheries in Kavango and Upper Zambezi Rivers (KAZA) project. The main objective of this project is to establish a community-based, sustainable management system for riverine/floodplain fisheries, thereby improving food security in the area for women, children and the rural poor. This involves a large number of stakeholders, including the Fisheries Departments of Angola, Botswana, Namibia and Zambia. Meetings were held with fisheries scientists from Angola, Botswana and Namibia to standardize the research methodology, data analysis and report writing to ensure that the entire Okavango River basin is studied and a single database developed that will feed into a collaboration process between these countries. In the process, a trans boundary fisheries management plan was developed for the basin and is currently waiting official approval from these countries.

Fish protected areas were established on the Upper Zambezi River and are managed by the local communities. The aim is to expand this concept to the rest of the region further empowering the communities to manage their own resources.

RESEARCH AND PUBLICATIONS

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COMMUNITY ENGAGEMENT

Dr. Patricia Petrus' mentoring of the farmers in the Omusati region has been hailed as a great success from the Meatboard of Namibia. This is an on-going project and the Department supports this very important programme as it is also a way of bringing the farmers closer to the Department of Animal Science.

Mr M. Tjipute and Mr J.A. Esterhuizen were involved with assisting the Ministry of Fisheries and Marine Resources (MFMR) in training local Namibian community members in all sectors of freshwater aquaculture development. This consisted of developing training manuals as well as offering trainees with hands-on and practical experience in working at a model fish farm. A staff member of the Department was also involved with the development and training of a course on "Profitability Analysis of Aquaculture Enterprises" in cooperation with the United Nations University-Fisheries Training Program at the Sam Nujoma Campus. The training workshop's aim was to assist aquaculture farmers, extension officers, researchers as well as financial institutions in understanding the principles of constructing and evaluating production and financial plans for aquaculture businesses, and to analyze the feasibility and risks in the establishment or expansion of aquaculture enterprises.

Dr SK Mafwila served on the Benguela Current Commission Training and Advisory Committee, the Marine Scientific Advisory Committee (DebMarine Namibia), the National Research Technology Transfer Committee as well as on the Capacity Building Working Group for the Ministry of Environment and Tourism.

Dr Shikongo-Nambabi succeeded in implementing a new seawater sanitation method in partnership with a fish processing company in Walvis Bay. The project "Improving Food Security by Reducing Post Harvest Losses in the Fisheries sector (Securefish)" carried out by Mr Samundengu and Mr Stephen Barrion installed an 11KW solar panel on the Departmental building to supplement the power supply hence alleviating power shortage in the

Department. Mr C. Samundengu worked with a team that was engaged in milling and producing capsules for *Ganoderma* mushrooms.

Prof F. Mause and Prof J. Lyaku were involved in the National Project Formulation Framework (NPF) and the National Integrated Technical Access Programme (NITAP) at the University Central Consultancy Bureau (UCCB).

FACULTY OF ECONOMICS AND MANAGEMENT SCIENCES

Associate Dean: Prof U Paliwal

INTRODUCTION

The Faculty of Economics and Management Sciences, working in support of the broader mission of the University of Namibia, and in response to National development needs, offers various academic programmes which includes undergraduate certificates, diplomas, degrees and post graduate diplomas, master's, DBA and PhD programmes.

The mission of the Faculty of Economics and Management Sciences 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, development of professional and functional skills as well as market related competencies.

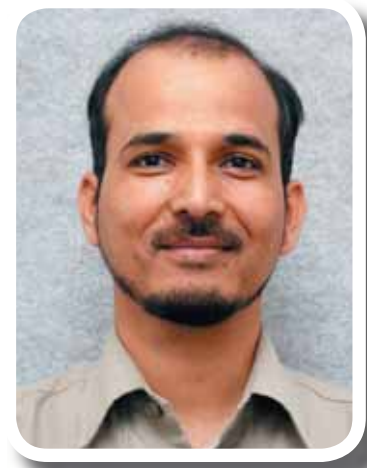
The Faculty of Economics and Management Sciences (FEMS), under the leadership of Associate Prof. UL Paliwal, Dean, and Dr. E Kaakunga, Deputy Dean, has five (5) Departments, namely Accounting, Auditing and Income Tax, Economics, Management Science, Political and Administrative Studies and Namibia Business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

ACADEMIC ACTIVITIES

All Departments under the Faculty undertook extensive curriculum review of the post-graduate degree programmes during 2013; new modules were added in some instances to respond to market and other stakeholder demands; while existing modules were updated in other cases. Departments in the Faculty offer Certificate programmes, Diploma programmes, Advanced Diploma and Bachelor (Honours) degree programmes. Master's degree programmes are offered by the Department of Economics, Department of Accounting, Auditing and Income Tax, Department of Political and Administrative Studies, as well as the Namibia Business School (NBS). PhD programmes are offered in the Departments of Politics and Management Science, while the NBS offers a DBA programme.

The Department of Accounting, Auditing and Income Tax engaged in fruitful negotiations with the School of Accounting of the North West University, Republic of South Africa, for collaboration on offering the newly introduced 3-year Bachelor of Accounting (Chartered Accountancy) programme. A Memorandum of Understanding (MOU) in this regard was signed. The new qualification intends to get SAICA accreditation, which will enable its graduates to enrol for CTA programmes without studying for a bridging course, saving two years en-route to becoming chartered accountants. For the past decade, the Department has drastically improved in the pull and retention of professionally qualified Namibian personnel more than ever before, with Chartered Accountants joining the team to lecture in the department.

The Department of Political and Administrative Studies launched its Post Graduate Diploma in Security and Strategic Studies (PGDSSS) and classes were conducted at the Khomasdal Campus where facilities were upgraded to accommodate this programme. Consultations were held with stakeholders including various government offices to revise curriculum for Masters programmes offered by the department. The Department, in collaboration with the Consortium for International Management, Policy and Development (CIMPAD) of the USA, organised and hosted the 9th International Conference on Public Management, Policy and Development in Namibia.



HIGHLIGHTS 2013





FIRST UNAM ENGINEERING GRADUATES

The Faculty of Engineering and Information Technology in Ongwediva graduated its first batch of students. Thirty engineering students, including 10 females, received their Bachelor of Science degrees in various engineering disciplines at a graduation ceremony at Ongwediva during the year under review.

The fields include civil, computer, electrical, electronics, mechanical, metallurgical and mining engineering. UNAM Vice-Chancellor, Professor Lazarus Hangula encouraged the engineering graduates to help shape Namibia as the country is currently facing many challenges that require the innovation of engineers. President Hifikepunye Pohamba said for the country's education system to continue producing the desired results, resources must be utilised prudently, with a focus on the programmes and fields of study that address the socio-economic development challenges facing the country. Some of the priority areas to which our government attaches great importance are engineering, science and information communication technology. "These are the sectors that drive technological advancement in the world today," said Pohamba.



UNAM HONOURS NURSING VETERAN

The University awarded the Doctor of Nursing Science (HONORIS CAUSA), to Ms Ena Barlow, a respectable nurse in Namibia, who demonstrated professionalism, management abilities and a balanced sense of judgment in the nursing field.

Often referred to as the Florence Nightingale of today's modern Namibia, Ms Barlow has been a major cornerstone in the development of the Nursing profession and related services in Namibia.

Ms Barlow is hailed as a visionary, committed and meticulous leader with unsurpassed knowledge of health laws of Namibia. She has exhibited diligent, excellent and committed performance throughout her duties and displayed a relentless passion for the health professionals and patients without discrimination. Her outstanding personal qualities, competence, dedication, resilience and virtues inspire and resonate in the minds of many young and old health professionals practicing in Namibia.

The Department of Management Science made a strategic decision to roll out academic programmes to UNAM campuses in Rundu and Keetmanshoop in order to be able to contribute to the University role in delivering high quality business education throughout Namibia. The Department also introduced the Bachelor of Business Administration programme (BBA) at the Rundu campus. This was in response to the demand by wider and immediate community. During the review period, the Management Science Department was in a position to offer innovative and applicable business programmes to cohort of hand-picked, diverse young business executives. The department also organised an international conference to provide a platform to local researchers and those from elsewhere to enhance the research and publications and held stakeholders engagements in Windhoek and Rundu to discuss the relevance of programmes and get useful input from the business and industry.

The Department of Economics continued to offer the Bachelor of Economics Honours and the MSc in Economics (a collaborative degree with electives taken at the Joint Facility for Electives in Nairobi, Kenya) under the African Economic Research Consortium. The programmes are tailor-made for the industry. The curriculum for the collaborative Master's programme was revised during 2013 in wider consultation with relevant stakeholders.

Namibia Business School remains a pipeline member school of the Association of African Business Schools (AABS), pending the fulfilment of full criteria for full membership status. Besides, the School continues to be a member of the Association to Advance Collegiate Schools of Business (AACSB) International as well as the European Foundation for Management Development (EFMD). The School is also a Strategic Partner of Team Namibia, and Associate Member of the Namibia Chamber of Commerce and Industry (NCCI) and the Namibia Manufacturers Association (NMA). In 2013, NBS became a member of the EFMD Global Network.

In 2013, NBS solidified partnership agreements with a number of Universities, especially in Germany. It is in partnership with the Goethe University Frankfurt's: Faculty of Economics and Business Administration, the Frankfurt School of Finance & Management, the International Graduate Centre (IGC) at the Bremen University of the Applied Sciences, the Ingolstadt University of Applied Sciences as well as the Bielefeld University of Applied Sciences. NBS is also in collaboration with the University of Botswana Graduate School of Business in an initiative of The Kalahari Dialogue. NBS is also a member of SADCnet – a network of Business Schools within Southern Africa. Closer to home, the NBS and the Harold Pupkewitz Graduate School of Business at the Polytechnic of Namibia are entirely engaged with each other.

RESEARCH AND PUBLICATIONS

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COMMUNITY ENGAGEMENT

April, W. I: RAIEN AFRICA (Artificial Insemination). Beukes, E D. UNAM appointed representative on the PAAB Board, various other SOE Boards. Erwee, P: Mathematics teacher upgrading workshops throughout the country. Gamses, C: Member of the ICAN transformation committee. Kaakunga, E: External Assessor – Department of Economics, University of Ghana, Legon, Accra, Ghana (2013), External Assessor – National Research Foundation, Pretoria, South Africa (2013), External Reviewer – Botswana Journal of Economics, 2013 to date, External Reviewer - Journal of Reviews on Global Economics 2013 to date, External Examiner – Polytechnic of Namibia, Windhoek, (B.Tech Economics, 2008 to date), External Examiner – Harold Pupkewitz Graduate School of Business, Polytechnic of Namibia, (MIB Dissertations, 2010, 2011, 2013 & 2014). External Reviewer - Journal of Economic and Financial Sciences, 2014.

Kandjaba: T O: Patron: Ouvale Primary School, member of Audit Committee NQA.

Kakujaha-Matundu, O: Commissioner: Namibia Competition Commission, 2004 – present, Director, Bank of Namibia, 2008 – present, Board member, Allan Gray Namibia Ltd, 2009 – present, Trustee – Allan Gray Orbis Foundation, 2009 – present, Trustee, VPB Namibia (private equity managers), 2010 – present, Trustee, Civil Society Foundation of Namibia, 2013 – present. Lwendo, S.B: Moderation and Supervision of Master's theses at Polytechnic of Namibia and Namibia College of Open Learning. Namakando, K H: WTO Chair Member (2012-2013). Nakweenda, L T: Deputy Coordinator, National Accounting Talent Search. Nyambe, J.M: Reviewer of the Asian Journal of Agricultural Extension, Economics and Sociology since 2014, Reviewer of the Canadian Journal of Income Distribution since 2012 – 2014, Reviewer of the African Journal of Agricultural Research 2012 – 2014,

Moderator for Economics for all programmes of NAMCOL – 2013. Olivier, M A: Trustee: Board Member of the National Accounting Talent Search (NATS).

Paliwal, U.L: External Examiner (Moderator), Polytechnic of Namibia (Since 2008), Member, Education and Examination Committee, Institute of bankers, Namibia (2011 – 2013), External Examiner for PhD, Alagappa University, Karaikudi, India (2013)

Victor L. Tonchi: External moderator since 1995 on various courses in the area of Public Management at the Polytechnic of Namibia. Chairman of the Pan African Centre of Namibia (PACON). Regular commentator on NBC in discussing issues pertaining to the political developments in Africa. Member of the Saint Mary's Catholic Men's Group, where the group assists and provides for the Dolam Kids in Katutura.

Simaata, N. B: Participated in doing volunteer work with the association visually impaired of Namibia. Thomas, R H: Organizing the construction of two classrooms at a proposed school at Akazulu in Oshikoto Region. Thomas, EK: Served as an external examiner for Professional Courses in Regional and Local Government at Namibia College of Open Learning.

CONCLUSION

The Faculty comprehensively revised and updated the existing curricula and launched new programmes. In addition, preparations were made to offer programmes at the newly opened Southern Campus in Keetmanshoop. Faculty members were involved in diverse research activities. The research output included books, chapters in books, papers in refereed journals, conference papers, among others. Five staff members are pursuing their PhD / DBA programmes, while four are continuing with Master's degree programmes and are expected to complete in 2014.

FACULTY OF EDUCATION

Dean: Dr Charmaine Villet

INTRODUCTION

The Vision of the University of Namibia is to be an outstanding teaching and research university capable of addressing the challenges facing our society. The Faculty of Education is committed to this vision. We therefore strive to provide high quality Teacher and Adult Education (Life-Long Learning) to our students and the entire education community inside and outside of our borders. Our **mission** and **vision** therefore reflect these ambitions:

- Deliver quality services in higher education (teacher education and life-long learning and community education) through excellent teaching, research and community engagement.
- Promote and support educational innovation and improvement.
- Prepare pre and in-service teachers with knowledge, skills and attitudes that promote best practices.



To this purpose the Faculty offers a wide selection of diplomas, undergraduate degrees as well as post-graduate programmes aimed at preparing teachers and adult educators to be able to respond to the educational needs of our country through innovative and cutting edge practices. All our programmes are steeped in the knowledge of how human beings learn and develop, but are also deeply focused on our children's needs to prepare them for life in our rapidly evolving national and international society.

Our programmes are further focused on the most urgent and contemporary requirements of teacher education as highlighted in our National Professional Standards for Teachers, the research reports of the Southern African Consortium for Educational Quality, the Education For All Global monitoring reports, the Namibia Early Grade Reading Assessment, various Standardised Achievement Test reports and other relevant national and international research on education.

The Faculty's academic staff claims the highest qualifications and intellectual capacity with regards to teaching and learning in Namibia. This is evident from the research outputs in 2013 as well as their sought after expertise in areas of in-service training for both the University of Namibia and the Ministry of Education. Their expertise is also evident in their community service where they often chair national and international committees on critical educational issues; serve as editors of research journals; developing instructional materials for in-service training; serving as external moderators for Universities outside of the Namibian borders and reviewing grant applications for international Institutions such as DFID.

ACADEMIC ACTIVITIES

During 2013 the Faculty of Education introduced the 3rd year of its B.Ed in Pre and Lower Primary as well as Upper-Primary among others. It has become custom to start the year off with a retreat where all staff members are acquainted with programme implementation expectations and assessment of students' work. During the retreat, the academic staff receives in-service training on curriculum areas that may be challenging and have the opportunity to share and network with their colleagues on the five different campuses. One of the contemporary and urgent requirements of our programmes is the need for equipping both teachers and learners with basic numeracy and literacy skills in order for them to access the vast storehouses of knowledge. To ensure that our lecturers are able to train our students in the latest and most innovative ways of teaching numeracy and literacy, a number of visiting scholars from around the globe met with staff and students on all our campuses throughout the year to discuss and collaborate on teaching of literacy and numeracy. Academics from Pacific Lutheran University in USA, Hedmark in Norway, Concordia in Canada, Hogskolan Vast in Sweden collaborated with our various campuses to provide training and share ideas. Our annual Educational

Conference brought together scholars from a number of Universities in South Africa and elsewhere to share research knowledge on literacy and numeracy teaching and to create opportunities for networking.

Our programmes also make use of computers and other assistive and instructional technologies in the implementation of our innovative curriculum. To this end staff members collaborated with Jyväskylä in Finland in a research-based grapho-game project where teachers in Namibian schools together with their learners learn to play a reading and numeracy game on a Tablet and collect data to see if it helps to improve their learners' reading and numeracy capacity. Results of this project will be released by August 2014.

Our students are required to spend extended periods of time in the field/classrooms to ensure hands-on training in real-life situations and to afford them opportunities for conducting research on actual problems in Namibian schools and other local community environments. Academic staff visited students in all corners of the country to observe their teaching and community internships, and to provide mentoring for both students and staff on innovative teaching and professional practice.

Students are also required to engage in project-based learning which affords them the opportunity to explore real-world problems and to actively engage in their own learning. This practical course was offered for the first time and academic staff received extensive training in the implementation of this teaching methodology. A number of very innovative products for instruction were created by students on all campuses. Critical self-reflection forms a fundamental part of our training and our micro-teaching classes provide students the opportunity to conduct peer reviews of their lessons and to find their own solutions to their teaching challenges. During this activity, staff members help students to develop the skills they need to effectively teach in their subject specialisations.

Equity to educational opportunity forms an essential part of the Faculty's fabric. We have therefore extensively engaged the Ministry of Education to ensure that all our Teacher Education students receive a full scholarship. It is our belief that every child in Namibia deserves to be taught by a well-qualified and motivated teacher. Our trainees are therefore taught to ensure that all Namibian children acquire routine accomplishments in basic education such as global literacy, the development of personal reading habits, and the ability to write clear and well-organised prose. Our Faculty's support to the UNAM Disability Unit further underscores our commitment to equitable educational opportunity and inclusive education for all our country's citizens.

RESEARCH AND PUBLICATIONS

In 2013 the Faculty of Education has seen a vast increase in research activities and publications across all campuses due to the annual FoE Education Conference. A total of 72 research papers and poster presentations were made at the conference in September. Our keynote speaker was the Honourable Minister of Education, Dr. David Namwandi. The following are some of the main areas in which staff members conducted research in 2013:

- Teaching of reading in various indigenous languages in Namibia.
- Basic and ethno mathematics.
- Pre and lower primary teacher education.
- Assessment practices in primary classes in Namibia.
- Critical reflective practice.
- Vocabulary levels of grade 1 learners.

Staff in the Faculty collaborated with the MoE and UNESCO to write a funding proposal to the Chinese-Funds-In-Trust to conduct research in "Enhancing Teacher Education for Bridging the Education Quality Gap". The proposal was funded to the tune of N\$8 million. Two research training workshops were already conducted with lecturers and teachers involved in the project.

Faculty staff members also collaborated with Hogskolan Vast in Sweden and received a research grant for conducting research in Namibia and Sweden on the teaching of environmental education to children in the early grades. Collaboration with Concordia University in Canada has resulted in the receipt of further grant funding for lecturers who are in the process of collecting data for their M.Ed thesis in Namibia.

The Faculty published 58 papers, books and other literature in 2013. Publication titles can be provided on request.

COMMUNITY SERVICE

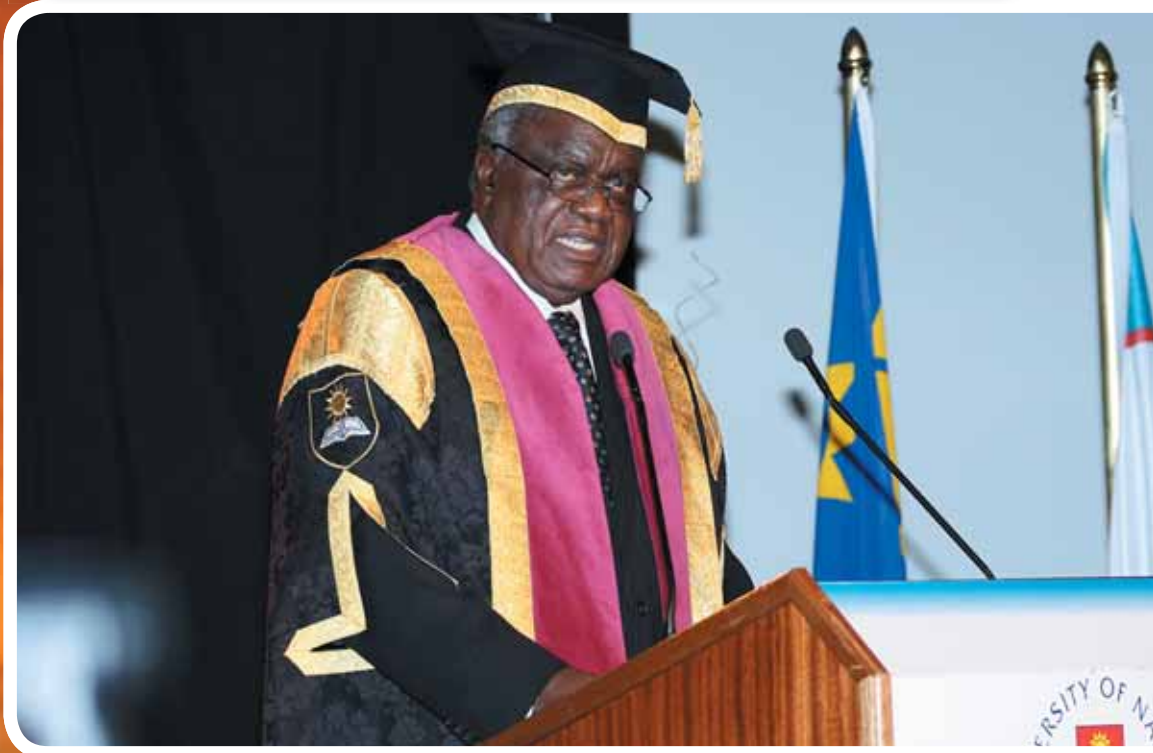
Staff members in the Faculty have worked extensively with the Ministry of Education in the development of a National Educator Policy for Namibia's teaching profession. The draft is currently distributed for consultation among stakeholders.

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

The Faculty of Education has also been invited to present keynote addresses at partner institutions in the SADC region during conferences. Schools in our 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 make use of Faculty of Education 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.

HIGHLIGHTS 2013





SOCIO-ECONOMIC DEVELOPMENT

President Hifikepunye Pohamba has called for the cooperation of all stakeholders in the country as his government grapples with poverty, unemployment and strives to provide housing, access to clean drinking water, sanitation and health care for Namibians.

The President made the call when he officiated at the University of Namibia's graduation in Windhoek in May.

"These challenges are real, felt by real people in many parts of Namibia. Our obligation as government and academic institutions is to work together in order to find effective solutions and move our country forward," the President said.

He challenged tertiary institutions, which he described as reservoirs of knowledge, to spearhead the quest for appropriate solutions for the socio-economic development of the country. He said this could be done by designing and offering training programmes that are responsive to specific challenges facing the youth.

PROF FILEMON AMAAMBO RE-ELECTED AS CHAIRPERSON OF COUNCIL

The Council of the University of Namibia has re-elected Prof Filemon Amaambo as its chairperson at its first meeting for 2013 and Mr Inocencio Verde as Deputy Chairperson. Mr Verde is also a UNAM alumnus.

"I wish to thank Council for having demonstrated confidence in me. The position of Chairperson is not always easy and comfortable to sit in. We have to remind ourselves of the many challenges facing this University," the Chairperson said. Prof Amaambo singled out hostel accommodation for students as one such example. The proceedings of Council are of interest to the university community as well as to the broader public nationally.

"May I therefore count on your support as we continue to mould this institution through guidelines provided by the University Act, Statutes and the resolutions we take at Council. It is one thing to take a big stick and start demanding action but a better way of doing things is when we as Council members drive ourselves maximally to do better," the Chairperson of Council concluded.

FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

Dean: Prof Frank Kavishe

INTRODUCTION

The Mission of the Faculty of Engineering and Information Technology (FEIT) is to train and educate undergraduate and postgraduate students and carry out pure and applied research in the following engineering disciplines: civil, computer engineering and information technology, electrical, electronics, mechanical, metallurgical, mining and telecommunication engineering, with plans 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.



The Dean of the Faculty is Professor F. P. L. Kavishe and Deputy Dean is Dr. A. A. Ogunmokun, who is also the Head of the Department of Mechanical and Industrial Engineering. Other Heads of Departments were Associate Professor F.M. Adam (Civil and Environmental Engineering), Dr. CN Temaneh (Electronics and Computer Engineering), Associate Professor J. Akande (Mining & Metallurgical Engineering) and Mr. E. Ruhunga (Electrical Engineering). The Coordinator of the Research Centre was Associate Professor I. Davidson.

During the 2013 academic year, the Faculty saw an increase in the enrolment figures of students and in the number of academic and technical staff. The majority of students were Namibians, with the rest coming from Zambia, Zimbabwe, Botswana, Angola, Tanzania, Burundi and Nigeria. About 23% of the student population consisted of female students. As far as physical infrastructure is concerned, most of the construction of Phase II buildings (Mining Engineering, Computer Engineering and Information Resource Centre) was completed and the buildings came to be known as the India Wing due to a donation of US\$12.3 million by the Government of India. In addition, the Professional Team for the design and supervision of Phase III buildings (Civil Engineering) was constituted. Phase III buildings will be co-funded by the Government of Namibia and the Government of Germany.

The Department of Civil and Environmental Engineering attracted a large number of visiting German professors under a programme that is funded by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

ACADEMIC ACTIVITIES

The Faculty of Engineering and Information Technology offered the following degree programmes at honours level during the review period: BSc Civil Engineering, BSc Electronics and Computer Engineering, BSc Electrical Engineering, BSc Mechanical Engineering, BSc Metallurgical Engineering, and a BSc Mining Engineering. In addition, Senate approved the MSc Civil Engineering degree programme with options for Structural Engineering, Transport Engineering and Water Engineering.

While some staff members are undergoing postgraduate studies abroad, the Faculty made efforts to recruit new staff members to serve as Staff Development Fellows. Those who were pursuing PhD studies included Miss Nepaya Leokadi (telecommunication engineering, South Africa), Mr M. Abisai (computer engineering, China) and Mr. S.I. Hango (materials science, South Africa). Those pursuing their MSc studies included Mr T. A. Ndapuka (electrical engineering, South Africa), Miss E. Angula (mechanical engineering, South Africa) and Mr J. Amukende (petroleum economics, the UK). Staff Development Fellows included Mr. E. Tyapa (engineering mathematics), Mr K. Gideon (computer engineering), Mr Mbangula (electrical engineering), Mr Erasmus Shaanika (mechanical engineering), Mr M. V. Ipinge (mining engineering), Miss Victoria Amuthenu (metallurgical engineering) and Mr Shilongo Napandulwe (mining engineering).

German Professors visited the Faculty for four to six weeks and taught a number of civil engineering courses.

Through an agreement between UNAM and Jomo Kenyatta University of Agriculture and Technology (JKUAT) in Kenya, lecturers from JKUAT visited the Faculty for periods of up to six weeks and taught courses in mechanical, electronics, computer and electrical engineering. Visiting lecturers from FUTA Nigeria taught courses in mining, metallurgical and mechanical engineering. With the rapidly increasing number of students and staff, the Faculty continued to face a shortage of student hostels, staff accommodation and recreational facilities.

The Faculty collaborated with a number of African, European and Asian universities in staff exchange and student exchange. The Faculty received visiting German students in October for a period of three weeks. In mid-November, the final year civil engineering students in the Faculty travelled to Germany and spent three weeks at the University of Kaiserslautern.

In mid-2013 a team of Chinese Technicians visited the Faculty and installed most of the lab equipment donated by the Chinese Government. After installation, they provided training to Namibian Technicians and to some of the lecturers. This made it possible for students to carry out most of the labs on campus as well as fourth year students to use the equipment and machines for their final year design projects. However, in the case of mining engineering and metallurgical engineering, students had to do some of their labs at Wits University while electrical engineering students did some of their labs at the University of Kwazulu Natal in South Africa. Some of the lab equipment and machines donated by the German Government through GIZ were installed to make the Geo Technical lab operational.

RESEARCH AND PUBLICATIONS

Refereed Journal Papers

Mwero JN Aboudha SO, Rading GO, Mumenya SW and Kavishe FPL, "The Effect of Partial Replacement of Portland Cement with Sugarcane Waste Fibre Ash (SWFA) on Mechanical Properties of Concrete". ICATOR Journal of Engineering, Vol. 6, No. 2, May 2013.

Naidoo M, Johnson OT, Sigalas I, Herrmann M, "Preparation of Ti-Ta-(C, N) by Mechanical Alloying Ti(C,N) and TaC", International Journal of Refractory Metals and Hard Materials, Vol. 37, Pages 67-72, 2013.

Akande JM and Jimoh BO, "Quarrying of Sand and Proposed Reclamation Method in Akure, Nigeria", International Journal of Engineering and Technology (IJET) United Kingdom, Vol. 3, No. 7, pages 746 - 757, 2013.

Akande JM and Lawal AI, "Optimization of Blasting Parameters using Regression Models in Ratcon and NSCE Granite Quarries, Ibadan, Oyo State Nigeria", Journal of Scientific Research (Geomaterial) USA, Published Online January, 2013 (<http://www.scirp.org/journal/gm>), pages 28 - 37.

Ijaola OO, Ogedengbe K, Sangodoyin AY, "On the Efficacy of Activated Carbon from Bamboo in the Adsorption of Water Contaminants", International Journal of Engineering Inventions, Vol. 2, Issue 4, pages 1-6, February, 2013.

Akande JM, Ajaka EO, Omosogbe FM and Lawal AI, "Environmental Effects of Processing Marine Clay in Olotu, Ondo State, Nigeria", Vol. 3, Civil and Environmental Research, ISSN 2222-1719 (Paper) ISSN 2222-286 (Online) USA, (<http://www.iiste.org>), pages 82 – 86, 2013.

Adam FM and Badin GM, "Technical Diagnosis, Monitoring and Logistics of Prefabricated Modular Buildings", TransmitWorld - The Journal, ISSN:2280-1901 – No. 17, 20 February, 2013.

Akande JM and Agbalajobi SA, "Analysis of Some Physical and Chemical Properties of Oreke Dolomite Deposit", Journal of Minerals and Materials Characterization and Engineering, USA, Vol. 1, pages 33 - 38, 2013.

Akande JM and Onifade M, Modelling of Okaba Underground Coal Mine Ventilation System. International Journal of Engineering and Technology (IJET), United Kingdom, Vol. 3, No. 7, pages 766 - 772.

Akande JM, Onifade M and Aladejare EA, Determination of Airflow Distributions in Okaba Underground Coal Mine, *Journal of Mining World Express, USA, Vol. 2, Issue 2, pages 40 – 44, 2013.*

Akande JM and Aladejare EA, Geo-mechanical Properties of Okaba Coal Deposit for Pillar Design, *Journal of Mining World Express, USA, Vol. 2, Issue 2, pg 45 - 48, 2013.*

Akande S, Adebayo B and Akande JM, Comparative Analysis of Grindability of Iron ore and Granite, *Journal of Mining World Express, USA. Vol. 2, Issue, 3, pages 55 – 62, 2013.*

Opololaoluwa Oladimarun Ijaola, Kolawole Ogedengbe and Abimbola Yisau Sangodoyin “Kinetic Study of Water Contaminants Adsorption by Bamboo Granular Activated and Non-Activated Carbon”, *International Journal and Technology Innovation, Vol.3, No. 4, pages 263-272, 2013.*

Akande JM and Lawal AI, “Effects of Controllable Blasting Variables on Number of Boulders Generated after Blasting in Ratcon and NSCE Quarries, Ibadan, Oyo State, Nigeria”, *International Journal of Engineering and Technology, Germany, Vol. 2(2), pages 105 - 112, 2013.*

Akande JM, Lawal AI and Adeboye WA, “Evaluation of the Environmental Effects of the Abandoned Quarries Strabag Quarry at Ibadan, Oyo State and RCC Quarry at Wasinmi, Ikire, Osun State”, *Journal of Environment and Earth Science, IISTE, USA. Vol. 3, No. 4, pages 129 - 141, 2013.*

Adebimpe RA, Akande JM and Arum C, “Mine Equipment Selection for Ajabanoko Iron Ore Deposit, Kogi State Nigeria”, *Science Research, Vol. 1, No 2, pg 25-30, 2013.*

K.K. Alaneme, O.J.Adejumo and J.O.Borode: Influence of different cyclic inter-critical heat treatment schedules on the microstructure and mechanical behaviour of a low alloy steel; *Metallurgical and Materials Engineering-a journal of Association of Serbian Metallurgical Engineers, vol.19 (2),pp.155-165, 2013.*

B.J. Babalola, M.O.Bodunrin, J.O.Borode and K.K.Alaneme: Corrosion characteristics of as-cast aluminium bronze alloys in selected aggressive environment; *Journal of Minerals and materials characterization and Engineering. vol.1 (5),pp.245-249, 2013.*

COMMUNITY ENGAGEMENT

The Faculty participated 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. In the Department of Mechanical and Industrial Engineering, 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. He also continued to serve as External Examiner for the University of Zimbabwe. He served as External Examiner for PhD thesis from Wits University and External Review for publications from 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 and External Examiner for MSc thesis from University of Malawi. 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. Temaneh also gave a motivation speech to grades 10 and 12 learners of Heroes High School in Ondangwa. Mr F. Phiri served as External Moderator for Polytechnic of Namibia, External Examiner for Masters of Technology thesis from Cape Peninsula University of Technology and as International Primary school bell. Dr C. Nyirenda and Mr E. Ruhunga (electrical engineering) served as External Examiners for the Polytechnic of Namibia.

FACULTY OF HEALTH SCIENCES ①

Dean: Prof Peter M Nyarang'o

SCHOOL OF NURSING AND PUBLIC HEALTH ②

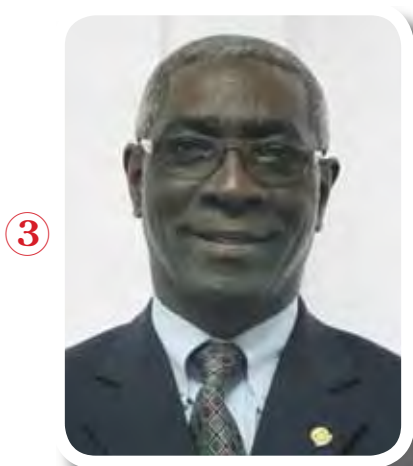
Associate Dean: Dr Kathe Hofnie

SCHOOL OF MEDICINE ③

Associate Dean: Prof Philip Okai Odonkor

SCHOOL OF PHARMACY ④

Associate Dean: Dr Timothy Rennie



INTRODUCTION

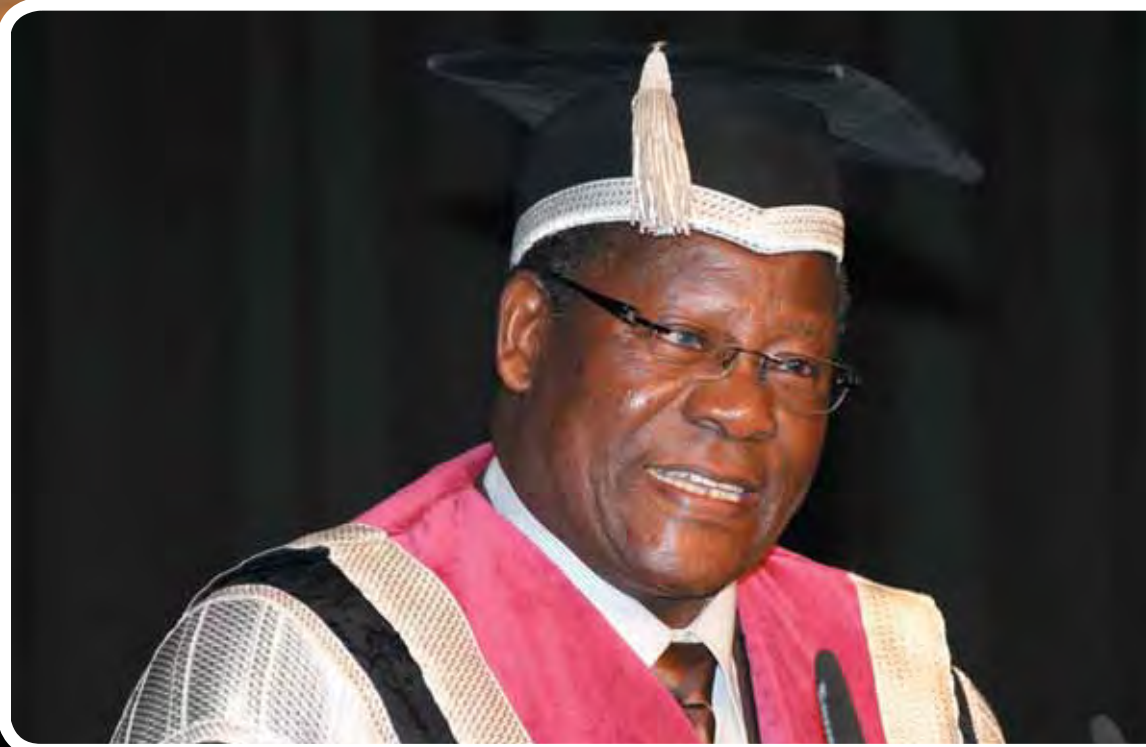
The Faculty of Health Sciences continued to consolidate its capacity for educating and training health professionals in more fields of medical sciences. The focus for the year was to increase access to university health education, to improve the quality of teaching and learning, the introduction of new postgraduate programmes and the development of new diploma and undergraduate academic programmes. The Faculty also embarked on the road towards the creation of a fully-fledged School of Public Health. Central to this thrust was further expansion of the physical infrastructure at the Faculty of Health Sciences Campus, aggressive recruitment strategies, strengthening consortia and partnerships.

The Prime Minister of Namibia, Rt Hon Dr Hage Geingob, inaugurated the Life Sciences II Building and the new School of Pharmacy, an event attended by many dignitaries including the Government Ministers, Ambassadors and Heads of Mission in the country as well as the UNAM Vice Chancellor. This event marked the completion of Phase II and heralded the commencement of Phase III of the School of Medicine Project.

The opening of the Life Sciences II Building opened new frontiers in the country in the fields of Quality Assurance for Medicines and Food as the new building was equipped with state-of-the-art equipment and resources such as modern HPLC machines for drug and food assays, a DNA Analyser and a real time PCR Analyser. This will enable the Regulatory Authorities in Namibia to, for the first time, authenticate (in-country) the safety and efficacy of drugs in the market.

The facilities in the Life Sciences II Building instantly became a hub for scientific conferences with ultra-modern IT capabilities. During the year scientists attending the First International Endo-hernia Conference on the continent

HIGHLIGHTS 2013





UNIVERSITY LIBRARIAN APPOINTED TO GLOBAL LIBRARY BODY

The University's Chief Librarian Ellen Ndeshi Namhila was recently elected as a board member of the International Federation of Library Associations and Institutions (IFLA). Her term runs from 2013 to the year 2015. The Governing Board is elected every two years through global elections and is responsible for the strategic and professional direction of the Federation. The new Board, with Namhila as one of the members, will assume office at the IFLA World Conference in Singapore from 17-23 August 2013.

Namhila will be the only African country in the 10 member Governing Board and her appointment signifies international recognition of her professional expertise and achievements. Namhila is the Chairperson of the Namibia Library and Information Council (NLIC).

PROF MWANDEMELE APPOINTED TO PRESIDENT'S ECONOMIC ADVISORY COUNCIL

President Hifikepunye Pohamba has appointed the University's Pro-Vice Chancellor: Academic Affairs and Research Prof Osmund Damian Mwandemele to the Presidential Economic Advisory Council. The committee will advise the President on various Socio-economic matters.

Prof. Mwandemele also serves on the South African Ministry of Science and Technology's Advisory Committee, on Indigenous Knowledge Systems (IKS) for the Development of Science and Technology. He was appointed by that country's former Minister of Science and Technology, Mosibudi Mangena.

The committee provides expert advice on matters relating to IKS and effective implementation of policy, and actively determines the demand for appropriate intervention on IKS related issues.

were able to observe endoscopic surgery being performed in a theatre in Germany and pose questions to the experts carrying out the surgical operation.

In preparation for admission of more students into Nursing Sciences, a team from UNAM assessed the capacity of facilities in Keetmanshoop to become training sites. A similar assessment was carried out in the Oshakati State Hospital, Ongwediva Medipark and Onandjokwe Lutheran Hospital for possible use in clinical education and training of medical students.

Other associated landmark events during the year were the signing of the Memorandum of Understanding with the National Institute of the Pathology and an award of U\$20 million to strengthen capacity to train health professionals and extensions of the MEDUNAM Project.

ACADEMIC ACTIVITIES

The Faculty of Health Sciences through its School of Nursing and Public Health broke new ground in several educational fronts. The School nominated a candidate for an Honorary Doctorate Degree, which was bestowed on Ms E Barlow, a pioneer in the nursing profession for Namibia. The School of Nursing and Public Health also conferred a total of five doctorate degrees, including a first Doctorate in Public Health.

The School of Nursing and Public Health, with the support from the Centre for Disease Control (CDC-USA) and Ministry of Health and Social Services, developed the Namibia Field Epidemiology and Laboratory Training Practice (NamFELTP) programme. This prestigious programme with its origin in Atlanta, Georgia, has spilled over to a number of African countries resulted in an African Field Epidemiology Network (AFENET). The NamFELTP was approved as a Master of Science (Applied Epidemiology) for first intake in 2014. This programme is a fully sponsored programme by MOHSS/CDC for employees of line ministries.

At the Faculty of Health Sciences Campus the Simulation Laboratory/Skills Laboratory grew into an outstanding centre with the acquisition of interactive simulators, activation of the Powerlab and installation of facilities for clinical skills training particularly for operation theatre techniques. The facility is not only used for the training of medical students, but also for the in-service training of doctors, nurses and other practising health professionals from the public and private sector. Internationally accredited courses on Basic Life Skills (BLS) and Advanced Life Skills (ATLS) were institutionalised during the year with trainers from the School of Medicine working together with trainers from South Africa, Sweden and Canada. These courses were locally accredited by the Health Professions Council for Continuing Professional Development Points.

Inter-Professional Education (IPE) became a reality at the Faculty through the partnership with the Katutura Hospital. Students from all the three Schools (School of Nursing and Public Health, School of Pharmacy and School of Medicine) can now be trained together as members of a health team while undergoing clinical instruction and training. Senior students can also offer patient care services under the supervision of staff from the three schools and the Ministry of Health and Social Services. Clinical staff participate in joint clinical rounds for patient care and /or for teaching.

Student placements in the community, government district hospitals and clinics as well as in the pharmaceutical industry were successfully implemented within all the regions of Namibia and in the case of pharmacy students, also in Zimbabwe and South Africa.

New courses that were developed during the year to be implemented in 2014 included a Diploma for Pharmacy Technologists, Bachelor of Dental and Oral Surgery and the Advanced Diploma in Higher Education to be offered through the Faculty of Education in 2015.

The Schools under the Faculty have well-established exchange programmes with International partners. In this regard, one staff member and two students of the School of Nursing and Public Health visited the University of Linköping in Sweden under Linnaeus Palme exchange programme. This visit was reciprocated by a visit of one

staff member and two students from the University of Linköping to UNAM. Ms A Walters and Dr L Pretorius also undertook a preparatory visit to University West for future collaboration. The School of Nursing and Public Health also sent two students and one member to Finland on an exchange visit and facilitated clinical placements for nursing students from Finland (16), Germany (12), Norway (38), Denmark (4) and Sweden (18).

During the review period, pharmacy students launched the Pharmacy Students Society of Namibia (PSSN) with Ms. Angula, a pharmacist and former CEO of the Namibia Institute of Pathology, accepting the position of patron. Similarly, the students of the School of Medicine launched the Surgical Students Association of Namibia.

The School of Medicine undertook student and faculty exchange visit to and from Lubeck, Germany under the DAAD project while a number of staff and students benefitted from exchange visits with the University of Oulu, Finland under the MEDUNAM II project. The CONSAMS project provided further student and faculty exchange opportunities with the University of Botswana, Copperbelt (Zambia), the University of Lesotho and Lurio University (Mozambique).

RESEARCH AND PUBLICATIONS

The research output of the Faculty shows commitment to research and knowledge creation. The Faculty was involved in a wide variety of research projects ranging from nursing ethics education, male involvement in reproductive health and tuberculosis to the effect of sociocultural changes on diabetes and metabolic risks.

The Department of Pharmacology and Therapeutics undertook a week visit to Makerere University to conduct a needs assessment and scoping in preparation of a pharmacology research laboratory in the School of Pharmacy. The School further received permission from Ministry of Health and Social Services to undertake quality testing of selected medicines in the field, using thin layer chromatography methods.

In the School of Nursing and Public Health the following articles were published:

Amakali, K. & Small, L.F. (2013) The Plight of Parents/Caregivers of Children with Heart Diseases in the Rural Namibia: A Case of Coping. *Global Journal of Health Science* 5: 62-73

Amakali, K. & Small, L.F. (2013) Empowerment of the Rural Parents/Caregivers of Children with Heart Diseases in Namibia to Facilitate Coping with the Demands of Caring at Home. *Global Journal of Health Sciences* 5: 74-83

Amakali, K. Haoses-Gorases, Taukuheke, L. (2013) Tobacco Smoking Among University of Namibia Students: Behaviours, Reasons, Attitudes, Awareness and Knowledge of Risk Factors. *Online journal of Medicine and Medical Science Research* 2: 30-37

Small, L.F., Pretorius, L., Walters, A., Ackerman, M. & Tshifugula, P. (2013) Students' perceptions regarding the objective, structured, clinical evaluation as an assessment approach *Health SA Gesondheid* 18: Art. #629, 8 pages. <http://dx.doi.org/10.4102/hsag.v18i1.629>

Small, L.F., Pretorius, L. (2013) Namibia. Chapter 12 in 'The State of Nursing and Nursing Education in Africa: A Country-By-Country Review' by Klopper, H.C and Uys, LR

COMMUNITY ENGAGEMENT

A total of 88 nursing students did clinical electives in both Katutura hospital and Windhoek Central hospital as volunteer nurses. They were all actively involved in the Community development programme with Home of Good Hope, a shelter for OVC in Goreangab area, Windhoek

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Dean: Prof Kingo Mchombu



INTRODUCTION

The Faculty of Humanities and Social Sciences is made up of the following Departments: Geography, History and Environmental Studies, Human Sciences, Sociology, Language and Literature Studies, Information and Communication Studies, and Visual and Performing Arts. Priding itself on a climate of human warmth and great efficiency, the Humanities and Social Sciences Faculty 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 academic programmes offered and research output.

The main objective of the Faculty of Humanities and Social Sciences is to produce trained and specialised human resource in both basic and applied areas of humanities, social sciences, history, geography, languages, environmental studies, information and communication, library science, music and arts. It also provides a vibrant, stimulating and supportive study environment where students can choose from a range of flexible courses taught by leading experts. The Faculty maintains very strong relationships with partner organisations and professional bodies which recognise and accredit many of its courses.

ACADEMIC ACTIVITIES

In addition to the programmes offered within the Faculty, it provides a wide range of services for the entire University community. Committed to holistic student development, the Faculty's contributions help fulfill the University's mission of producing well-rounded graduates who are professionally competent and socially confident.

Besides its own programmes, the Faculty is involved in almost all the academic programmes offered by the University. This is due to the fact that all programmes contain elements of liberal education for which the Faculty is mainly responsible for.

Another important milestone was the signing of agreement Southern African Science Service Centre for Climate Change and Adaptive Land Management (SASSCAL), a Regional Science Service Centre (RSSC) in Southern Africa through the Department of Geography, History and Environmental Studies.

SASSCAL is a joint initiative of Angola, Botswana, Namibia, South Africa, Zambia, and Germany, responding to the challenges of global change. It complements the excellent existing research and capacity development infrastructures and research initiatives in the region. Its mission is to conduct problem-oriented research in the area of adaptation to climate and 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 to contribute to the creation of an African knowledge-based society.

The Department of Information and Communication Studies (DICS) initiated a study on the need for information literacy in combating teenage pregnancy in Namibia. Another important project was that of the health information literacy among UNAM students. Another important project was on Scholarly communication at UNAM which was conducted in collaboration with three other SADC Universities. DICS collaborated with Global Business Labs (GBL) that had signed an agreement with Unam. This new development will benefit Unam students in terms of entrepreneurship training. UNAM Radio: The station continues to provide invaluable opportunities for students to act in a variety of roles, including presenters, producers, music compilers, news editors and management. The station has been upgraded with a new mixer and new transmitter and amplifier, and

continues to broadcast throughout the city of Windhoek on a frequency of 97.4. During the first semester of the year, third year broadcasting students all participated in a series of feature programmes, which they produced and presented.

The Faculty is essentially supported by a team of qualified and committed staff members that come from diverse academic and professional backgrounds. It has a total of 90 staff members, of which 40% are PhD holders, and 11 are professors. The academics go beyond the classroom to offer academic counselling and consultation.

RESEARCH AND PUBLICATIONS

Research collaborations with industry partners help the Faculty 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 2013, the Faculty produced a total of 65 publications, of which 68% are peer-reviewed articles, 28% conference papers and 4% books and book reviews.

COMMUNITY ENGAGEMENT

Departments under the Faculty were engaged in different external community service activities, with academic staff members of the Department of Sociology serving on various boards and committees, such as the Advisory Board of NANTU, Namibian Red Cross, Namibia Rural Women's Assembly, Museum of Namibia, Sociology Society, National HIV and AIDS Coordination and Evaluation Committee of the Ministry of Health and Social Services. The Department also worked on the following: Gender training and empowerment research through the ARTS collaboration with University of Cape Town; Shifting culture, language and identity in Windhoek; Perception of Health Workers; Alcohol and Societal impacts in Windhoek in collaboration with Road Safety Council; Student lifestyle and impacts on studies; Education for all in Namibia; Alcohol and Societal impacts in Windhoek; and Mobile margins communications and the family in Namibia.

Members of the Department of Language and Literature Studies were involved in various community service activities, such as peer-reviewing of scholarly publications, coordinating the Namibian Word Festival, serving on NIED, panel of judges for National Arts Council, serving on Editorial Boards of Peer-Reviewed Journals, Namibia-USA Alumni Association, Spell Quiz Bee High School Quiz Competitions, English Language Proficiency Programme, Association of German in Southern Africa and translation services in different languages.

Members of the Department of Geography, History and Environmental Studies were involved in the inter-faculty service project with the town of Karibib. Karibib approached the Faculty to help the town implement its five-year plan. Department of Information and Communication Studies staff members served in different institutions, such as Chairmanship at Telecom Namibia, Global Business Labs, Namibian Information Workers Association, NAMCOL. Reviewers of several journals such as ESARBICA Journal, Journal of South African Society of Archivists and International Journal of Library and Information Science. They also served as External Examiner at University of South Africa, served as a judge at Gender and Media Awards 2013 and the SADC Media Awards.

The staff members under the Visual Performing Arts Department were involved in community outreach activities such as fundraising for animal shelters for the SPCA, Cat Protection for animal and Namibian Dog Matters. They were involved in the production of Nam-Gang Style; a celebration of the Namibian traditions and Sayings, Life in the time of Big Brother, an examination of the impact of technology and reality, Merry it up; a comic look at the Christmas season, Dramatization as a radio drama-NAMCOL as a Support material for grade 12, and involved in the Preparation for programme material and facilitator during a workshop for 30 grade 12 learners from Mariental.

Staff members from the Department of Human Sciences were engaged in various community service activities outside UNAM where they served as external examiners for PhD and MA theses to institution of higher learning in Namibia and South Africa. Some served as Editorial Board Members of Journals while others reviewed academic papers for international Journals. Other members were very active in the Health Professions Council of Namibia

(Social Work and Psychology), International Palliative Care Virtual Conference and the National Palliative Care Task Force Namibia.

Staff engaged actively in the co-ordination of the Deutscher Akademischer Austausch Dienst (DAAD) fund for cultural student exchange, Federal Republic of Germany. Members of staff were also involved in the ITECH/ UNAM Social Work section funding agreement for curriculum and staff development assistance. The signing of the MOU between UNAM and the University of Minnesota (USA) as well as with the University of Münster (Germany) allowed for student and staff exchanges.

Some staff members served as chairpersons of the Windhoek Islamic Centre Management Committee and Scholarship Committee, the Ovaherero Genocide Foundation, and members of the Pharmacy Council of the Health Professions Council of Namibia and NQA. Others were actively involved as guest presenters and speakers on different social, health and educational television and radio Programmes on Unam Radio, Channel 7 private Radio Services, NBC Radio Language Services as well as NBC and TV One Africa television services. Staff served as guest speakers at national and international symposiums and Conferences.

The Department of Geography, History and Environmental Studies in collaboration with the Department of Environmental Sciences, University of Basel, was involved in the 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.

FACULTY OF LAW

Dean: Prof John Baloro

INTRODUCTION

The Faculty of Law 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, the Faculty welcomed into its fold three new staff members. They are Dr. Aimite Jorge, Ms. N.Asheela and Ms. L. Usebiu. This is a very welcome development, as it will go in some way to relieving the Faculty of the need for to rely on so many part-time lecturers to teach core programmes.



ACADEMIC ACTIVITIES:

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 also continued to phase-in the new 4-year undergraduate LL.B degree. The Faculty also produced the first batch of graduates of the two new undergraduate diploma qualifications namely the Diploma in Arbitration and Dispute Resolution and the Diploma in Para- Legal Studies.

The Faculty of Law also continued to offer two postgraduate qualifications, namely, the Master of Laws (LL M) by thesis and Doctor of Philosophy in Law (PhD) registering a total number of 14 research students who are pursuing either master,s or doctoral degrees. At the end of the 2013 academic year, three of the faculty's postgraduate students completed their research dissertations. These were submitted to external examiners for evaluation. There were two LLM theses and one PHD dissertation. This is the first time in the history of the faculty that a doctorate dissertation has been produced for examination purposes. The dean of the Faculty, Professor J. Baloro, supervised both the two LLM theses and the doctoral dissertation.

RESEARCH AND PUBLICATIONS

Members were engaged in various research projects either through the University Central Consultancy Bureau (UCCB) or for other stakeholders, e.g. government departments, non-governmental 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.

COMMUNITY ENGAGEMENT

The Faculty and its staff members provided various services to the local communities, either through rendering 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. 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 served as external examiners for both undergraduate and postgraduate students in Law Faculties in the neighbouring countries in the region.

JUSTICE TRAINING CENTRE

The primary purpose of the Justice Training Centre (JTC) 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 objectives as set out in the law and the relationship with UNAM, as provided for in the Memorandum of Understanding (MOU) with the Ministry of Justice, emphasizes the importance of the University as an institution of Higher learning, as the host of this programme in Namibia.

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. The JTC offers an intensive training that requires a three-months 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 are needed 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 has 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 Legal Aid Clinic opened its doors in 2004. Its primary objective 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.

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 has continued to increase. All final year LL.B students must participate in this critically important practical programme of the faculty.

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 Professor. Sam Amoo and Ms. Kandali Nuugwedha, 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

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. This is reflected in various ways such as the continued high-level performance of its moot court teams in various international and regional moot court competitions.

The Faculty has continued to strive to achieve the highest standards, using the very limited resources available to it. On current performance, the Faculty is poised to break into many new areas of postgraduate legal studies as more resources are availed to it.

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 the adoption of the balance score card (BSC) for the academic year. Mrs. A. Zender was adjudged and awarded the Faculty of Law meritorious award for the 2013 academic year. During the year under review, one of the Faculty's final year students, Mr Ndjodi Ndeunyema won the highly prestigious Rhodes scholarship to study for his Masters in Law at the Faculty of Law of the University of Oxford. He is the second Namibian national to have done so.

HIGHLIGHTS 2013





SANUMARC STUDENTS INVESTIGATE MARINE POLLUTION AND BIOTOXINS

Through funding received from the Namsov Community Trust, the Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC) of the University of Namibia initiated research in marine pollution and biotoxins in the Namibian coastal waters. Currently, two postgraduate students, Mr Emmanuel Vellemu and Ms Johanna Dijerenge, are doing their MSc research under the supervision of SANUMARC Researchers, Professor Edosa Omoregie and Dr Diina Shuuluka respectively.

Mr. Vellemu's research focus is on assessing the environmental pollution status of the central Namibian marine shoreline using *Choromytilus meridionalis* as indicator organism while Ms. Dijerenge study is aimed at determining and comparing the presence of toxins in mussels (*Mytilus galloprovincialis*) collected from the selected locations along central Namibian shoreline.



UNAM SIGNS COOPERATION AGREEMENT WITH THE SPANISH EMBASSY

A collaboration agreement was signed between the Spanish Agency of International Cooperation for Development (AECID), and the University of Namibia (UNAM) under which the AECID will fund a Spanish lecturer attached to the University for the year. Apart from lecturing, the Spanish lecturer will organise and coordinate various extra mural activities aimed at promoting the Spanish language and culture. These include coordinating activities of the Spanish club "¡QUEPASA!", competitions and the broadcasting of Ibero-American movies.

The agreement consolidated the Spanish programme in the Department of Language and Literature Studies, in the Faculty of Humanities and Social Sciences for 2013. The accord was signed by the Vice-Chancellor of UNAM, Prof Lazarus Hangula, her Excellency the Ambassador of the Kingdom of Spain, Mrs. Carmen Diez, and HR Director, Mr Reginald Izaks.

The Spanish Ambassador recounted that the Spanish support to the Department dates back to 1995. Since then, a three year programme has been implemented in order to respond to an increasing demand from Namibian students wishing to learn the Spanish language and culture.

FACULTY OF SCIENCE

Dean: Dr Frednard Gideon

INTRODUCTION

The Faculty of Science themed 2013 as the year for communicating science for development. This was marked by two landmark events: the launch of the first issue of the International Science and Technology Journal of Namibia (ISTJN), and the proceedings of the first Faculty of Science Annual Research Conference which took place in October. These two new vehicles of mass communication enabled the Faculty of Science to effectively bring science closer to society. Coupled with a commitment to their traditional roles of teaching, research, consultancy, and academic citizenship, the Faculty of Science was able to reach higher levels of service and excellence.



The goal of the Faculty is to use these traditional academic niches, in addition to the new publications to transform scientific and technological know how into goods and services. This goal is approached by preparing a dedicated cadre of science graduates that continue to play critical roles in the national and global economies. The committed and highly trained staff - many of them at PhD level – offer various diploma, undergraduate and postgraduate degree Programmes.

ACADEMIC ACTIVITIES

All departments were involved in the review of their curricula, and a number of new programmes were introduced. These include the degree in military sciences, a Masters in Applied Geology with two majors: Economic & Exploration Geology and Hydrogeology & Environmental Geology and a Diploma in Computer Science. A new MSc in Microbiology was approved by Senate, while the Department of Geology implemented the first year of the revised BSc Geology Honours.

Furthermore, the revised BSc Geology Honours as well as the Masters in Applied Geology were registered with the Namibian Qualifications Authority.

RESEARCH AND PUBLICATIONS

The Faculty of Science is the hub of cutting-edge research across departments including environmental chemistry, biotechnology, ethnobotany, mathematics and computer science. The excellent research output was evidenced by the high number of peer reviewed journal articles as outlined below:

J.-B. Gatsinzi (2013) Loop space homology of some homogeneous spaces. International Science and Technology Journal of Namibia 1: 47-54

J.-B. Gatsinzi (2013) Brackets in the free loop space homology of some homogeneous spaces. African Diaspora Journal of Mathematics 16: 28-36

L.N.P. Hlatshwayo, M.A. Petersen, J. Mukudden-Petersen and F. Gideon (2013) Basel III, liquidity and bank failure. Banks and Bank Systems 8: 8-24

H. Miranda, F. Gideon and M.M. Mugochi (2013) The impact of the Two-Mode Mathematics Curriculum at the University of Namibia. Proceedings of the ISTE 2013 Conference, UNISA.

F. Gideon, M.A. Petersen, J. Mukudden-Petersen, and L.N.P. Hlatshwayo (2013) Basel III and the net stable funding ratio. Hindawi Pub. Co. ISRN Applied Mathematics, ID 582707, <http://dx.doi.org/10.1155/2013/582707>

- M.M. Mugochi (2013) On the smoothness and the totally strong properties for nearness frames. *International Science and Technology Journal of Namibia* 1: Page numbers?
- Le Heron, D.P., Bushfield, M.E., Kamona, F. (2013) An interglacial on the snowball Earth? Dynamic ice behavior revealed in the Chuos Formation, Namibia. *Sedimentology* 60: 411-527
- Le Heron, D.P., Bushfield, M.E., Kamona, F. (2013) Neoproterozoic ironstones in northern Namibia: biogenic precipitation and Cryogenian glaciation. *Paleogeography, Paleoclimatology, Paleoecology* 369: 48-57
- Mapani, B., Finkelman, R. and Ravengai, S. (2013) Trace and heavy element distribution of the Hwange Coal Fields in Zimbabwe: indicators of source rock chemistry, climatic conditions and seposition mechanisms during their formation in Southern Africa. *International Science and Technology Journal of Namibia* 1: 89-105
- Wanke, H., Dunkeloh, A., Udluft, P., Wanke, A. (2013) A distributed water balance model to estimate direct groundwater recharge: A case study from the Nhoma and Khaudum catchments, Namibia. *International Science and Technology Journal of Namibia* 2: 11-32
- J. A. Oyedele and S. Shimboyo (2013) Distribution of Radionuclides and Radiation Hazard Assessment in Soils of Southern Namibia, Southern Africa. *Radiation Protection Dosimetry* 156: 343-348
- J. A. Oyedele, E. Taapopi and S. Shimboyo (2013) Distribution of Gamma-Emitting Radionuclides in the Soils of the Neudamm Campus of the University of Namibia, Windhoek, Namibia. *International Science and Technology Journal of Namibia* 1: 11-14.
- Uahengo Veikko, Xiaohu Zhang, Tianyou Peng, Ping Cai, Gongzhen Cheng (2013) The Synthesis And Characterization Of Dinuclear Ruthenium Sensitizers And Their Applications in Photocatalytic Hydrogen Production. *Spectrochim. Acta Part A* 105: 539-544
- Veikko Uahengo, Nana Zhou, Bi Xiong, Ping Cai, Kai Hu, Gongzhen Cheng (2013) Synthesis and Characterization of a New Dinuclear Platinum(II) alkynyl complex with a Ferrocene Bridge and It's interaction with Silver Ion *Journal of Organometallic Chemistry* 732: 102-108
- Jameson Mbale, Jackson Phiri and Tie Jun Zhao (2013) The Rural Sub-Urban Urban-Automated Path Loss (RSUU-APL) Systems that Calculates Path Loss of Different Environments. *African Journal of Information and Communication Technology (AJICT)*
- Jameson Mbale (2013) Educational Emulation of a Soft Handoff Teaching Model (EESH-TM): Envisioning the Gradual Signal Decrease-Increase Mechanism between Base Stations in Cells. *International Science and Technology Journal of Namibia* 1: 55 – 63
- Jack Egan, Trudie Egan and Jameson Mbale (2013) Open Educational Resources and the Opportunities for Expanding Open and Distance Learning (OERS-ODL). *International Journal of Emerging Technologies in Learning (IJET)* 8: 57-61
- Jameson Mbale (2013) The Switch Hierarchical Network Design Model (SHINDiM): a Mechanism for Identifying and Determining the Correct Switch for the Appropriate Position in the Network Layer. *International Journal of Computer Science and Telecommunications (IJCST)* 4: 20 - 24
- Julies E.M. and Kaholongu I. (2013) Relationship between Dissolved Oxygen and the Vertical and Longitudinal Distribution of Zooplankton off the Namibian coast. *International Science and Technology Journal of Namibia* 1: 78-89

Kazembe, L.N., Archibong, E.F., Chimwamurombe, P.M. & Chinsembu, K.C. (2013) Science: An all-encompassing field. *International Science and Technology Journal of Namibia* 1: 1-3

Mfunne, J.K.E, Kangombe, F. and Eiseb, S. (2013) Host specificity, prevalence and intensity of infestation of fleas (Order Siphonaptera) of small mammals at selected sites in the city of Windhoek, Namibia. *International Science and Technology Journal of Namibia* 1: 64-77

Nasheya, S. and Chinsembu, K.C. (2013) Genetic diversity of Ovambo chickens in the Oshikoto region of northern Namibia. *Biotechnology Research Bulletin* 1: 41-47

Nkunika, P.O.Y. & Chinsembu, K.C. (2013) Farmers' ethno-botanical knowledge of termiticidal plant uses in Zambia. In: Editors: Ogendo, J.O., Lukhoba, C.W., Bett, P.K., & Machcho, A.K. *Proceedings of the First International Conference on Pesticidal Plants* 1: 231-235

Wendy C. Turner, Peace Imologhome, Zepee Havarua, Godwin P. Kaaya, John K. E. Mfunne, Irvin D. T. Mpofu, and Wayne M. Getz (2013) Soil ingestion, nutrition and the seasonality of anthrax in herbivores of Etosha National Park. *Ecosphere* 4:13

Naumann Julia, Karsten Salomo, Joshua P. Der, Eric K Wafula, Jay F. Bolin, Erika Maass, Lena Frenzke, Marie-Stephanie Samain, Christoph Neinhuis, Claude W DePamphilis & Stefan Wanke (2013) Single-copy nuclear genes place haustorial Hydnoraceae within Piperales and reveal a cretaceous origin of multiple parasitic angiosperm lineages. *PLoS ONE* 8 (11): e79204. doi:10.1371/journal.pone.0079204

F. Gideon A classification of fuzzy subgroups of finite abelian groups. *International Science and Technology Journal of Namibia*

COMMUNITY ENGAGEMENT

The Faculty of Science continued to engage with the wider community. At national level, evidence-based advice was provided to government and industry. Staff members served on local and international boards, while many acted as peer-reviewers for reputable journals, in addition to being external examiners for several universities in the sub-region.

OSHAKATI CAMPUS

Director: Ms Paulina Uugwanga

INTRODUCTION

The Oshakati Campus remained committed to the vision and mission of the University, which is to provide quality higher education through teaching, research and advisory services with the aim of producing a qualified and competitive graduate capable of contributing towards a knowledge-based economy and improved quality of lives of Namibians.

The mission of the Campus is to educate, enlighten and serve the rural community with vigour and passion towards the development of people through teaching, research and community engagement. This will only be possible through inclusive education, life-long learning, applied research and community service of the highest standard by: providing quality teaching; pursuing excellence in research on socio-economic challenges, human development, historical and cultural issues and provides public interpretations; supporting the economic development through education and advisory services to entrepreneurs, businesses and industries; and by providing services to the community, organisations and individuals so as to improve the quality of life by reducing poverty and unemployment.



ACADEMIC ACTIVITIES

Committed academic staff members on campus were involved in teaching and research activities. Access to the Internet and a well-resourced library contributed immensely to conducive learning and research environment. Through a number of certificate, diploma and degree programmes, the Centre for External Studies (CES) Oshakati Campus staff provided educational guidance and assistance to distance and open learning students (ODL) during the academic year. The Campus entered into negotiations with the Faculty of Science to extend the Diploma in Computer Science to Oshakati.

The Master's Degrees in Education was provided to the Oshakati Campus via video conferencing by the Faculty of Education.

STAFF DEVELOPMENT

Almost every staff members who qualified for UNAM staff development support has been granted an opportunity to upgrade his or her qualification. Four members of the academic staff successfully completed their post graduate degrees, namely, Ms. K. du Plessis in M.Ed. and Mr. P Amukongo for a Master in Nursing Education, while Dr Sabina David and Dr Hermine lita obtained Ph.Ds. Seven members of staff were still busy with their Master's degrees while three staff were busy with their Ph.Ds.

RESEARCH

Several academic staff undertook research and some have published articles during the year under review.

Ongoing research projects:

The School of Nursing and Public Health at the campus continued with the assessment of adherence to ART among patients enrolled at Oshakati Intermediate Hospital's ART clinic in the Oshana directorate. This is a School project which is partly funded by the University of Namibia through UPRC.

Another project undertaken was the nursing students' perception about integration of theory and practice in preparation for future professional nurses on campus. The project was facilitated by the Public Health Department.

HIGHLIGHTS 2013





LAW STUDENTS SHINE AT 2013 COMMONWEALTH MOOT COURT COMPETITION

The Commonwealth Moot Court is an international competition which takes place parallel to the Commonwealth Law Conference. Two UNAM students, Josy Nghipandua and Ndjodi Ndeunyema, under the supervision and guidance of the Faculty Moot Coordinator, Mr. François Bangamwabo, recently represented Southern Africa at the 2013 Commonwealth Moot Court Competition. The Commonwealth Law Conference is one of the most prestigious events on the international legal calendar providing an opportunity for judges, legal academics and practising lawyers from across the Commonwealth to meet and discuss current and topical issues which affect the legal and broader community today.

The UNAM law students were invited to represent the Southern African Commonwealth region after winning the English category of the All Africa Human Rights Moot Court Competition in October, last year. This year's bone of contention was on the legality of developing and/or subsequently possessing a nuclear weapon by states as well as the legality of mandatory death penalties. Thrillingly, UNAM students won their first round against Oxford Brookes University (who emerged as the overall winners of the competition).



GERMANY'S JOHANNES GUTENBERG UNIVERSITY DONATES MICROSCOPES WORTH N\$1.4 MILLION

The Johannes Gutenberg University in the German city of Mainz donated forty five microscopes to the value of N\$1.4 million, to the University of Namibia's School of Medicine. The donation represents the largest single donation, outside the Namibian Government's support.

In appreciation of the gesture, the School decided to name the laboratory that will house the microscopes Johannes Gutenberg University Laboratory. The Vice Chancellor Prof Lazarus Hangula explained that the Council of the University decided to honour all those who made significant contributions to the School. "The Council of the University of Namibia authorized management to name in perpetuity or for a limited period a hall, room or laboratory after an individual, institution or country that makes substantial donation of not less than N\$300,000. Hence the naming today of this laboratory after Johannes Gutenberg University".

Further to research, some workshops were held to strengthen research capacity such as the Atlas TI organized by Dr Anghuwo and Ms Nghixulifwa, and the research and publication workshop facilitated by MRC.

COMMUNITY ENGAGEMENT

The Nursing Department continued to collaborate with I-TECH, whereby the Department, through their School, embarked on a project "Strengthening Clinical Education" which included the development of demo-sites and whereby Oshakati was identified as one of the priority areas for piloting of the project.

The Small Business Development Centre signed an MoU with the Ministry of Finance and the NCCI to train out of school youth in record keeping. Trainees, after successful training, are expected to start their own Record Keeping Businesses. The Project was funded by the Ministry of Finance. The Centre further continued to provide mentorship to development projects in the north under the sponsorship of DBN.

CAMPUS ACTIVITIES

A student excursion was undertaken by the Science Foundation students and staff and covered areas such as Etosha Pan, Swakopmund, Walvisbay and Windhoek. All staff undertook a team building retreat to the coast whereby different topics of leadership, customer care and team building exercise formed part of the reflections.

CONCLUSION

The year under review was a success. With support of UNAM Management, the Campus purchased land to the north eastern part of the Campus where student hostels are expected to be built, as student accommodation continues to be a key challenge at the Oshakati Campus.





*A range of strategies
(systems and methods) to help
open and distance learners
successfully complete their studies
were developed.*

Activities of Academic Centres

CENTRE FOR EXTERNAL STUDIES

Director: Dr Regina M. Shikongo

INTRODUCTION

The Centre for External Studies (CES) is an academic centre at the University of Namibia which was established to ensure greater access to higher education and equity for students with various educational backgrounds. Hence, CES supports the offering of certificates, diplomas and degrees in various fields through the open and distance learning mode. Worth noting is that CES had an intake of over 3 200 students' population in the year under review. The Centre consists of the Materials Development and Instructional Design Department, Student Support Department and Student Administration Department. The Centre manages ten Regional Centres across the country. In addition, the Centre endeavours to become the leading open and distance learning Centre in the country and beyond by enabling people to achieve their full potential through accessible, innovative and flexible learning.



During the year under review, the Centre was led by Dr Regina M. Shikongo as Director, with Dr Nchindo Mbukusa as Deputy Director. Mrs Carin Slabbert continued as Assistant Registrar. The Heads of Departments were: Mrs Elise Venter (Student Support) and Mrs Agathe Lewin (Materials Development and Instructional Design). Departments set their academic and administrative goals, activities and targets to be achieved for the successful running of the Centre.

In line with its vision and mission, CES caters for the common and diverse educational needs of many students, taking into account the multiple roles they have in their respective communities. This is in recognition of the fact that they cannot afford to go for full-time to any University campus to further their studies.

ACADEMIC ACTIVITIES

All academics who are tutoring and guiding distance students should practice and implement the Open and Distance Learning (ODL) conceptual framework and modus operandi. During the year under review, the Department of Student Support strengthened the learner support by organised academic orientation for tutors and students, vacation schools, telephone tutoring, video conferencing as well as through SMS messages and by means of e-mail tutoring. The Department also provided Saturday tutorials at most of the UNAM/CES centres, specifically in challenging subjects such as Science, Economics and Accounting. In addition, the Department organised curriculum review meetings with all relevant stakeholders in various academic programmes. The Department further mobilised the usage of the Multi-media technologies in distance teaching.

Staff members in the Department of Student Support were engaged in the teaching and learning of students that enabled students to progress in their studies, pass their respective courses and eventually obtain their diplomas and degrees. CES strives to develop approaches that help students become critical thinkers and lifelong learners. A range of strategies (systems and methods) to help open and distance learners successfully complete their studies were developed. User-friendly student support systems, methods and advisory services were purposefully created and effectively utilised in order to help students achieve success.

Academic relationships with University Faculties remained strong. CES continued to participate in collective activities with national and international Open and Distance Learning (ODL) institutions through the Namibia Open Learning Network (NOLNET), Distance Education Association of Southern Africa (DEASA) and Southern African Society for Education (SASE).

RESEARCH AND PUBLICATIONS

Haaveshe Nekongo-Nielsen, H. & Mbukusa, N.R. (2013). The educational consequences of teenage pregnancy in the Kavango Region. *Journal for Studies in Humanities and Social Sciences*, 2(2), 51-63.

COMMUNITY ENGAGEMENT

CES continued to participate in collaborative activities with other national Open and Distance Learning (ODL) institutions through Namibia Open Learning Network (NOLNET) and other organisations within the SADC region. The Centre is an active member of the Distance Education Association of Southern Africa (DEASA), Namibia Educational Research Association Executive Committee, Southern African Association of Research in Mathematics, Science and Technology Education and the Distance Learning Task Force (I-TECH).

CES staff continued to serve as various boards and committees members which are as follows:

Dr Regina M. Shikongo served as a Secretary of the Women Clay Pot Projects in Oshana Region. She was also a reviewer of articles for *Journal of Medicine and Medical Sciences* and an Executive Member of Forever Living Products International in Southern Africa. Dr Nchindo Mbukusa coordinated a Church project of building a community elementary school in Katima Mulilo.

Ms Agatha Lewin served in NOLNET e-Learning Committee. Mr Japhet Kazavanga was the vice-chairperson of Nolnet Training Committee. Mr Josaphat Shilongo served as a Branch Chairperson for NANTU. Mr Willem lindjembe is a member of Oshana Region Focal Point on Small and Light Weapons and Ammunitions (SALWA). Mr. Lukas Matati Josua is a member of Advisory Committee for Sam Nujoma Multipurpose Centre (SNMPC). Mrs Hilka litula is an active member of TISAN Northern Campuses Organizational Committee and Oshana Regional Netball Association.

SAM NUJOMA CAMPUS, HENTIESBAY

Director: Prof Edosa Omoregie

INTRODUCTION

The relocation of the Department of Fisheries and Aquatic Sciences from the Main Campus in Windhoek gave birth to the Sam Nujoma Campus in the coastal town of Hentiesbay. The Department, under the able leadership of Mr. Lineekela Kandjengo commenced teaching of the third and fourth years students in the Bachelor of Science Fisheries and Aquatic Sciences in July 2013 at the new campus. The campus continues to host the Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC) led by Prof. Edosa Omoregie and Dr. Diina Shuuluka as Director and Deputy Director respectively.



The vision of the campus is to become a Centre of Excellence in Science and Technology teaching and research in marine and coastal resources, in order to contribute to global efforts in promoting food security and eradicate poverty. With this vision in mind and guided by its mission, the Campus strengthened its international collaborations with the view of enhancing its teaching and research capabilities for the future.

ACADEMIC ACTIVITIES

With the offering of the BSc Fisheries and Aquatic Sciences programme on the Sam Nujoma Campus, academic and research activities are supporting one another to take the campus to new heights. The campus does not only serve as the academic home of the undergraduate students, but the excellent research facilities attract both local and international postgraduate students and researchers. Students from the Astrakhan State Technical University in Russia and Cape Peninsula University of Technology spent up to three months on the Campus.

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), a research partnership was formed with renowned Institutions to develop a Regional Graduate Network in Oceanography (RGNO) program. The external institutions involved in this partnership are the Namibian National Marine Information and Research Centre (NatMIRC), Agouron Institute, University of Minnesota, ETH Zurich and Swiss i-Research & Training.

During the year under review, the support of the Namsov Community Trust continued with additional donation of funds for the sponsorship of two Namibian PhD students in fisheries science at the University of Namibia. This is aside from the initial sponsorship of three students for postgraduate studies at Rhodes University and the University of Namibia during the year.

As part of SANUMARC initiatives to partner with local industries in mariculture business ventures, a Strategic Partnership Agreement was entered into with Shoreline Seafoods cc in the production of oyster spat for the Namibia mariculture industries.

SANUMARC was also actively involved in the planning and execution of the research cruise by the German Research Vessel, RV Meteor. This was a Training and Capacity Building Cruise in Namibian waters that was sponsored by the German Ministry of Education and Research under the SPACES collaboration. The aim of the cruise was to contribute to a better understanding of the Benguela current and its ecosystem and thereby fostering the cooperation within the SPACES programme by helping in setting up partnership projects in research and development.

In accordance with the Centre strategic planning, the Third SANUMARC Stakeholders' Workshop was held in 2013. During this Workshop, a 5-year research strategic cycle (from 2014 to 2018) was formulated.

HIGHLIGHTS 2013





LAUNCH OF THE ENGLISH-GERMAN GLOSSARY OF NAMIBIAN TERMS

Professor Marianne Zappen-Thomson's English-German Glossary of Namibian Terms was launched by UNAM Press on 3 December at the Goethe Centre. This is an invaluable resource book that defines words and phrases in German for the range of English terms in use in Namibia since Independence – terms referring predominantly to political developments but also to changes in society in general. The Glossary aims not to duplicate what can be found in existing dictionaries, but rather to elaborate on these with the unique situation of Namibia in mind.

Professor Kingo Mchombu, Dean of the Faculty of Humanities and Social Sciences, spoke on behalf of the Pro-Vice Chancellor for Academic Affairs and Research, Professor Osmund Mwandemele, and congratulated Professor Zappen-Thomson for her "sheer will power, determination, and dedication to the University of Namibia". The English-German Glossary of Namibian Terms was developed through a collaborative and consultative process with post-graduate UNAM students and colleagues at the Universities of Bonn and Duisberg-Essen in Germany.

PROFESSORIAL LECTURE: NATIONAL RECONCILIATION, AN UNENDING PROCESS

Namibia has done reasonably well in terms of national reconciliation, as the country has social and formal peace that needs to be celebrated, Professor Andre du Pisani said during his professorial lecture recently.

"The construct has manifested itself at different registers in the body politic of the country, and has yet to ignite the embers of hope for many Namibians and continues to annihilate alternative imaginations of what it potentially could become, if it were differently conceptualized.

Notwithstanding its manifest limitations, it has, from a comparative perspective, served its primary purpose, that of going beyond revenge and potentially providing the foundation for forgiveness and unity, thus averting the madness of civil war."

RESEARCH

SANUMARC continued with a variety of research projects, further strengthened by the activities of fourth year undergraduate students, many of whom engaged in final year research projects that complement the research activities of the Centre.

Such activities included laboratory cultivation of the macro-algae *Laminaria pallida* and *Gracilariopsis funicularis*, a project that forms part of SANUMARC partnership with the Kuiseb Fishing Enterprise (KFE), induced spawning of the Pacific Oyster under laboratory conditions and microalgae cells consumption by *Crassostrea gigas* spats.

Agronomy projects included the hydroponic production of spinach in coastal environments; growth requirements for exotic vegetables in Namibia's coastal environment using organic nutrients; domestication requirements of *Salicornia pachystachia* as potentials for animal fodders and the desalination of desert gardens.

Mushroom research focused on the utilisation of locally available organic materials as media for the cultivation of oyster mushroom mycelia and the treatment of Corn Stover substrate for oyster mushroom cultivation using heat, dishwashing liquid and washing powder.

A number of research activities centred on the effective production and use of biogas. These include the synthesis of cost-effective catalytic absorbers for the removal of sulphur dioxide from laboratory generated biogas, the design of an effective bio-digester for use at household level and biogas production from different biomass.

Projects were also aimed at investigating the assessment of inorganic pollution along the Namibian coastal water using bio-indicators and the analysis of marine biotoxins in Namibian marine environments in order to promote food safety.

A project supported by NASA's Earth Observing System collected aerosol data via collaboration with the Aerosol Robotic Network (AERONET) using an optical ground based aerosol monitoring network.

Post-graduate research formed an important part of the research activities of the Centre with four PhD and two Masters candidates using the exceptional facilities to further their studies.

PUBLICATIONS

Mowa, Edgar (2013). Olive Oil production in Namibia. In: FLOS OLEI 2013: A Guide to the World of Extra Virgin Oil. Edited by Mark and Laura Marinelli Oreggia. Evo srl Publishers 832 pp.

COMMUNITY ENGAGEMENT

The Campus was involved in a number of community outreach programmes. These include a programme to promote Science and Technology among Namibian school learners, and a community programme for mushroom production. The latter supplied mushroom spawn to the Usakos Youth Mushroom Project and farmers in Swakopmund and Walvis Bay. A two-day follow-up visit was undertaken to Nkurenkuru trainees in Kavango West in collaboration with ZERI Project in order to render technical support to their mushroom project.

SANUMARC further continued its support to the Tulongeni Garden Project in Hentiesbay, while most of the vegetables produced by the hydroponic research project were donated to members of Henties Bay Community.

UNIVERSITY OF NAMIBIA LIBRARY

University Librarian: Ms Ellen Namhila

INTRODUCTION

The mission of the Library is to facilitate excellence in teaching and learning, create an appropriate study and research environment, anticipate and respond to student learning and research needs, contribute to positive graduate outcomes and provide an information infrastructure necessary for ground-breaking teaching, learning and cutting-edge research. In view of aligning its priorities with those of the University, the Library focused on assessing the quality of its services as mandated by the 2011-2015 UNAM Strategic Plan, based on the results of the first ever UNAM library customer satisfaction LibQUAL+ Survey.



The Library actively participated in a number of quality assessment UNAM audits organised by the Centre for Quality Assurance and Management (CEQUAM), during the past 3 years. Other demands for continuous improvement in performance, standardization and benchmarking of library services were placed upon the Library by the Namibia Qualifications Authority (NQA) and the Namibia Council for Higher Education (NCHE).

In view of the above, the Library responded by embarking on an extensive literature review and consultations with other academic and research libraries outside Namibia in search of a long-term solution to assessment of customer satisfaction and benchmarking of library services. Standards and benchmarks of library services are established by competent and accredited professional associations/ institutions. The Library identified LibQUAL+, an internationally benchmarked web based survey instrument owned and managed by the Association of Research Libraries (ARL), United States of America (USA), as the most ideal tool available to date to be used to assess the quality of library services at UNAM.

LibQUAL+ is a Web based survey tool which uses the Gap Theory of Service Quality to ascertain what the users expect from the library service as well as how they perceive the quality of service received. It is a standardised instrument which enables benchmarking at a local, national and international level. One of the main achievements for the academic year 2013 was the processing and analysis of the results and compilation of the final report of first ever LibQUAL+ survey carried out in UNAM libraries, based on data collected during the last semester of the previous year. The Library achieved a 52.3% customer satisfaction rating. This performance is within what is referred to in Services Marketing as a zone of tolerance. Self-improvement plans to address problem areas identified through the LibQUAL+ results including call to improve customer care as well as study facilities especially for postgraduate students are in progress.

A successful first ever Namibia Library Symposium was organized and hosted by the Namibia Library and Information Council (NLIC), in cooperation with the UNAM Library, the Namibia Library and Archives Services: Ministry of Education, Polytechnic of Namibia Library and the Namibian Information Workers Association (NIWA), from 7-9 October 2013 at the Safari Conference Centre in Windhoek. The theme of the symposium was 'Strong libraries, strong societies: the role of libraries in socio-economic development'. It is derived from the current IFLA President, Ms Sinikka Sipilä's theme, which aims to promote the impact of libraries on society and development. Ms Sipilä, who was the guest of honor, applauded the Namibia library fraternity for bringing together over 300 librarians, regional and municipal decision makers, regional directors and planners of education, and other stakeholders to discuss and share ideas about libraries' contribution to national development goals. Apart from the Namibian presenters, the symposium attracted presenters from many countries, including Botswana, Finland, Ghana, Malawi, South Africa, Tanzania, USA and Zimbabwe.

LIBRARY MANAGEMENT

Ms Ellen N. Namhila provided strategic leadership to the library as the University Librarian. Ms Ritva Niskala was appointed to the position of Deputy University Librarian based at the main campus in Windhoek. Mr Joseph Ndinoshiho continued to serve as the Deputy University Librarian, with the responsibility of providing leadership to the development of library services at UNAM campuses based in the north and north east. Mr Chenjerai Mabhiza served in the capacity of Head of User Services while Ms Irmela Buchholz continued to serve in the capacity of Head of Technical Services. Ms Violet Matangira served as the Head of Archives and Special Collections.

ACADEMIC ACTIVITIES

Collection Development

During the year under review, the library added a total of 14854 new book titles to the collections compared to 14691 titles the previous year. The total number of books purchased was 29 922 compared to 29 478 in 2012.

With regard to donations, the Library received a total of 3 667 relevant books from many entities such as Book Aid International, Government Ministries and Agencies, FAO, CTA, UNESCO and various individuals. The Archives Unit received a donation of historical documents on Namibia by Mrs. Thelma Henderson from the UK. The collection was donated by Prof. Mawditt on behalf of Thelma Henderson on 21 February 2013 through an official ceremony officiated by the Vice-Chancellor, Prof. Hangula. Another donation of Finnish Evangelical Lutheran Mission documents on Namibia was received through the Tampere and Helsinki University Libraries – UNAM Library Human Resource Development Project.

With respect to the journal literature, the Library continued to provide multiple and cross-campus access to a seamless web of e-resources. The Library continued subscription to numerous reputable e-databases such as EbscoHost, Emerald, Oxford Journals, ScienceDirect, Scopus, and SpringerLink. These online resources have placed the library in a better position to provide just-in-time scholarly information to the university community.

Information skills and reference queries

All the Library branches continued to provide training in information skills for students to become self-directed lifelong learners. Information literacy instruction focused on equipping both students and staff with skills to make optimal use of the e-resources (e-journals, e-database packages, eBooks, OPAC and local electronic databases). In addition, many academic publishing companies, including Elsevier (ScienceDirect and Scopus), Dawson, Emerald, EbscoHost, Sabinet and Business Monitor visited the library to provide refresher and introductory training on their products to librarians and academic staff.

Reference, Subject and Information Literacy Instruction Services

A total of 1,833 first year students attended library orientation, while more than 800 students were trained how to make searches from the OPAC work stations and E-Journal databases. More than 1,300 literature searches were made by Subject and Reference librarians on behalf of students, lecturers and external researchers. More than 900 students made ready reference related queries. A total of 4,834 reference queries were dealt with at the Reference Desk.

A total of 131,685 items were loaned out to library users at all UNAM branch libraries.

STAFF DEVELOPMENT

Library staff members continued to upgrade their skills through formal and informal modes of studies. Eleven library staff members were registered for studies at various levels as part of capacity building addressing international level skills and expertise requirements of the academic library. At postgraduate level, Ms Ellen N. Namhila continued with her PhD studies at the University of Tampere, while Ms Magdalena Tjituka (Neudamm Library) continued with her studies towards a PhD in Library and Information Studies at the University of Botswana. Ms. Jakobina Mwiiale started her Master's degree studies at the University of Johannesburg. Mr Johannes Shigwedha (Rundu campus library) continued with his Master's in Information Science with UNISA.

Meanwhile, the following staff members successfully completed their studies: Ms Mercia Katjiveri completed a Master's in Archives and Records Management at the University of Botswana. Ms Maria Aipinge was awarded a BPhil Honors degree in Information and Knowledge Management from Stellenbosch University. Ms Willka Shoologela graduated with an Honors degree in Information Studies from UNISA. Ms Nekulu S.T. Uugwanga completed a Postgraduate Diploma in Library and Information Studies at the University of Cape Town. Ms. Lourensia //Gases completed a Bachelor's degree in Office Management and Technology at Polytechnic of Namibia. Ms Rosalia Nambimbo completed a Bachelor's degree in Library and Information Studies at UNAM.

RESEARCH AND PUBLICATIONS

Peer-reviewed Publications

Matangira, V., Katjiveri, M. & Lukileni, H. (2013). Establishing a university records management programme: A case of the University of Namibia. In *Journal for Studies in Humanities and Social Sciences*, Vol. 2, No. 2, December.

Matangira, V. & Lowry, J. (2013). Government records management and access to information: reflections on the 2013 Integrity Action Summer School. In *Journal of the South African Society of Archivists*, Vol. 46.

Namhila, E.N. (2013). *Mukwahepo: woman, soldier, mother as told by Ellen Ndeshi Namhila*. Windhoek. University of Namibia Press.

COMMUNITY ENGAGEMENT

The UNAM Library continued to fulfill its national mandate by providing members of the public free access to its resources and services. In terms of Section 8 of the Namibia Library and Information Service Act, 2000 (Act No. 4 of 200), the Oshakati Campus Library continued to serve as the place of legal deposit for the north central regions. Ms Namhila continued to serve as the Chairperson of the Namibia Library and Information Council (NLIC), while Mr Ndinoshiho served in the NLIC Legal Deposit Committee.

In addition, in June 2013, Ms Namhila was elected 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. Ms. Namhila is the only African in the 10 member IFLA Governing Board and her unanimous election signifies international recognition of her professional expertise and achievements by her peers. Meanwhile, Mr Mabhiza continued to serve as Namibia's International Network for the Availability of Scientific Publications (INASP) country representative. INASP is an international development charity working with a global network of partners to improve access, production and use of research information and knowledge, so that countries are equipped to solve their development challenges. Mr Mabhiza was also nominated to serve in a new capacity as a Board Member of the newly formed Research4Life World Council, whose mandate is to serve the interests of developing countries in accessing Research4Life products, such as, HINARI, AGORA, OARE, and ARDI, enabling UNAM and other non-profit making research institutions in Namibia to access thousands of electronic journals and databases free of charge.

HIGHLIGHTS 2013





UNAM HOSTS REGIONAL RESEARCH ON YOUTH EMPLOYMENT

Education Minister Dr David Namwandi has expressed optimism that the University of Namibia through its alliance with the Eastern and Southern Africa University Research Programme (ERSAUP), would help stimulate small and medium enterprises in the country.

Officially opening the meeting of the regional research body, which was hosted by UNAM and Namibia for the first time, Namwandi remarked that Government through the Ministry of Trade and Industry has invested a significant amount of resources to promote these businesses, but has not seen tangible returns. "Government provides infrastructure and services such as markets, which are used by informal businesses, but we receive no revenue in return through direct taxes from these investments."

The Vice Chancellor Prof. Lazarus Hangula told the session that UNAM in partnership with ESAURP will avail its academic staff to engage in short-term training and research "on topics related to poverty and economic opportunity, in translating their findings into development programmes that will bring about change in the quality of lives of our people".



UNAM AND STELLENBOSCH MEDICAL SCHOOLS STRENGTHEN COOPERATION

Dean of the Faculty of Health Sciences, Prof Peter Nyarango, has extended an invitation to the University of Stellenbosch Medical School to take part in the UNAM School of Medicine's curriculum review next year, as well as to teach at the school on a block release basis and also via video conferencing. He also encouraged academics from Stellenbosch to consider doing their sabbaticals at UNAM.

Addressing a high level delegation from the University of Stellenbosch Medical School led by its Dean, Prof Jammie Volmink, Nyarango said UNAM welcomes the services of senior professors and retired clinicians. Prof Volmink and his team welcomed the cooperation, saying it promotes the spirit of south-south collaboration. Although UNAM and Stellenbosch University have a cooperation agreement, their two parties agreed it was necessary to come up with a more specific sub agreement between the two schools outlining their partnership.

The Stellenbosch team expressed its resolve to cooperate and assist with capacitating medical schools on the African continent.

MULTIDISCIPLINARY RESEARCH CENTRE (MRC)

Director: Dr Nelago Indongo

INTRODUCTION

Research is the core business at the Multidisciplinary Research Centre (MRC). The year 2013 was an active year for the MRC where increased efforts were made to reach out to new research partners and disseminate the research findings to the broader community. Researchers at MRC have been actively involved in research activities of diverse nature which were aligned to positively contribute to the achievements of the UNAM strategic objectives; the main research related strategic objectives being increasing and broadening of research output.

The MRC Management team was led by Dr Nelago Indongo, the Director; Dr Davis Mumbengegwi, Deputy Director and Head of the Science, Technology and Innovation Division; Dr Alfons Mosimane Head of the Life Sciences Division and Gert van Rooy, Head of the Social Sciences Division.



MRC as a research centre of the University of Namibia continued to strengthen research collaboration with UNAM faculties and stakeholders from public and private sectors as well as partners within the region and beyond. MRC recognizes the expertise within faculties and tap 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 developed a 5-year research agenda describing research Programmes and activities that will be conducted to contribute to enablers for NDP4.

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, IKS, etc. for policy decision making and programme interventions. The Centre is made up of three Research Divisions, namely the Social Sciences Division, Life Sciences Division and Science Technology and Innovation Division.

ACADEMIC ACTIVITIES

Some of the research programmes which were active in 2013 are listed below. A number of these were implemented in collaboration with faculties and in partnership with stakeholders.

- Research study on Clinical audit on facility based causes of maternal deaths in five regions in Namibia in collaboration with MOHSS and IntraHealth
- Research study on perceptions of health workers in delivering maternal and neonatal health care.
- A UNAM branding survey.
- Research study on the Knowledge, attitude and practices and behaviour patterns with regards to HIV/AIDS among first year student at the University of Namibia.
- Research study on Disaster and risk management in the Ompundja village
- Research study on the scope of procurement and the need and relevance of procurement finance in Namibia in partnership with Namibia Procurement Fund and Ministry of Trade and Industry.
- Research study on gender based violence.
- Management of natural ecosystems: Wildlife management, restoration and reforestation
- A socio economic baseline survey for the Kavango Zambezi Transfrontier Conservation Area (KAZA TFCA), which includes Angola, Botswana, Namibia, Zambia and Zimbabwe.
- Employment creation by land reform Programmes in commercial land, Namibia, funded by Ministry of Lands and Resettlement
- The population biology of indigenous plants of conservation priority focused on the expansion of data collection on the Moringa species to other tree species.

- Research study on the Welwitschia excavations study involved the collection of soil sample for analyses, and the preliminary data analyses.
- Restoration ecology and the rehabilitation of degraded land through mining at the Navachab Gold mine.
- Nutritional analysis and characterisation of indigenous fruits and vegetables
- Research study on the physicochemical and nutritional properties of Oshikundu
- Research study on the Microbiological quality of Namibian fermented milk from North-Eastern Namibia.
- Essential Oils of Namibian aromatic plants from North-Western Namibia.
- Chemical Composition of Namibian Olive Oil in Comparison to Spanish and Italian Olive Oil Marketed in Namibia.
- Research and development of medicinal plants used to treat malaria, cancer and microbial infections.
- Research study on ethno-botanical knowledge of medicinal plants uses in Omaheke region.
- Research and development of medicinal plants used to treat malaria, cancer and microbial infections.
- Research study on the transmission of malaria in north central Namibia.
- Research study on the development of a wind power demonstration plant in Luderitz
- Research study on the Stakeholders Perception of the Namibia Airports Company (NAC)

Other research activities include a stakeholder's workshop which resulted in the development of a 5 years research agenda. The exercise involved the revision of research projects and realigning them with the National Development programmes. It also saw the development of new research programmes, such as: research and development of cereal based and traditional vegetables products for technology transfer to SMEs; adaptation of BER building index model for Namibia construction industry; and an assessment of women role in political and social leadership.

Furthermore, on capacity building, three MRC researchers were on staff development working towards their doctoral degrees. Dr Alfons Mosimane graduated with a PhD in 2013. The MRC had (8) postgraduates research fellows working towards master's degree. Four completed their studies and are due to graduate with MSc by research in 2014. The Centre took on 4 new postgraduate fellows who secured scholarships for their MSc studies. Two received DAAD scholarships, one a SABINA scholarship and one a fellowship from the UCSF.

In addition, Researchers received training from Kenya Medical Research Institute, Centre for Scientific and Industrial Research, Foundation for Innovative and Novel Diagnostics and UCSF, Perkin-Elmer. Researchers also visited institutions in RSA to increase network and share experiences. Institutions visited include CSIR, University of Pretoria, Human Sciences Research Centre (a Memorandum of Understanding for research collaboration was signed) and the Institute for Poverty Land and Agrarian Studies (PLAAS) at the University of Western Cape.

Apart from building regional networks, MRC reached out to share experience with staff at the Northern campuses (Oshakati, Ogongo, Hifikepunye Pohamba, Ongwediva) to discuss research issues and potential collaboration with MRC.

RESEARCH AND PUBLICATIONS

The MRC implements its research programmes through strong research collaborations with the Faculty of Science, Faculty of Humanities and Social Sciences, and partnerships as part of research networks and line ministries. The research findings were published and listed as follow:

Bille PG, Shikongo- Nambabi M and A Cheikhyoussef, 2013. Value Addition and Processed Products of Three Indigenous Fruits in Namibia. *African Journal of Food, Agriculture, Nutrition and Development*, 13 (1): 7192-7212.

Pazvakawambwa L, Indongo N, Kazembe LN (2013) Explaining Marital Patterns and Trends in Namibia: A Regression Analysis of 1992, 2000 and 2006 Demographic and Survey Data. *PLoS ONE* 8(8):

Hasheem Mannan, Shahla ElTayeb, Malcolm MacLachlan, Mutamad Amin, Joanne McVeigh, Alister Munthali

and Gert Van Rooy (2013). Core concepts of human rights and inclusion of vulnerable groups in the mental health policies of Malawi, Namibia, and Sudan. *International Journal of Mental Health Systems* 20, 7:7

Ahmad Cheikhoussef and Werner Embashu (2013). Ethnobotanical knowledge on indigenous fruits in Ohangwena and Oshikoto regions in Northern Namibia. *Journal of Ethnobiology and Ethnomedicine*, 9:34
Amadhila, E., Shaamhula, L., Van Rooy, G. & Siyambango, N., 2013, 'Disaster risk reduction in the Omusati and Oshana regions of Namibia', *Jambá: Journal of Disaster Risk Studies* 5(1), Art. #65, 9 pages. <http://dx.doi.org/10.4102/jamba.v5i1.65>

Nantanga, K. K. M., Bertoft, E. and Seetharaman, K. (2013), Structures of human salivary amylase hydrolysates from starch processed at two water concentrations. *Starch/Stärke*, 65: 637–644. doi: 10.1002/star.201200204

Mosimane A.W., S. F. McCool., P. Brown., J. Ingrebretson, 2013. Using mental models in the analysis of human wildlife conflict from a social ecological perspective, Namibia. *Fauna and Flora International, Oryx*, pp. 1-7;

Kletus Muhena Likuwa (2013). Review of 'Liberating Namibia: The Long Diplomatic Struggle between the United Nations and South Africa.' *The Journal of African History*, 54, Issues 02/July 2013, pp. 296-297. Doi: 10.1017/s0021853713000418.

Nantanga, K. K. M., Chan, E., Suleman, S., Bertoft, E. and Seetharaman, K. (2013), Differences in structures of starch hydrolysates using saliva from different individuals. *Starch/Stärke*, 65: 709–713. doi: 10.1002/star.201200216

Nantanga, K. K. M., Bertoft, E. and Seetharaman, K. (2013). Structure of starch hydrolysates following in vitro oral digestion: Effect of botanical source of starch and hydrothermal treatments. *Starch/Stärke*, 65: 885–891. doi: 10.1002/star.201200253

Shiponeni, N. N., Carrick, P. J., Allsopp, N., Hoffman, M. T. (2013). 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*. doi: 10.1111/jvs.12082,

Werner Embashu, Ahmad Cheikhoussef, Gladys Kahaka and Selma Lendelvo (2013). Processing Methods of Oshikundu, a Traditional Beverage from Sub-tribes within Aawambo Culture in the Northern Namibia. *Journal of Studies in Humanities and Social Sciences*, 2 (1): 117-127.

Hina Mu Ashekele and Christa Schier, (2013). DIFFUSION OF AN INNOVATIVE PREPAID MOBILE PHONE SYSTEM IN NAMIBIA. *Asian Academic Research Journal of Multidisciplinary*, 1(15): 316-334.

Hina Mu Ashekele, Werner Embashu, Ahmad Cheikhoussef, Indigenous Knowledge System Best Practices from Namibia: The case of Oshikundu Processing Methods *Trends in Applied Sciences Research*

Michael Shirungu and Ahmad Cheikhoussef. Discourses of ethno-botanical knowledge on mental illness in Kavango region northeastern part of Namibia. *Proceeding of the 4th International SIKSP/SA – MOZ Conference UWC, Cape Town. October 29-31 2013*.pp: 256- 262.

Gert Van Rooy, Pempelani Mufune Experiences and perceptions of HIV/AIDS and Sex Among People with Disabilities in Windhoek, Namibia *Sex and Disability* DOI 10.1007/s11195-014-9343-y

Sylvia N. Nafuka, Davis R. Mumbengegwi (2013) Phytochemical Analysis and In Vitro Anti-plasmodial Activity of Selected Ethnomedicinal Plants Used to Treat Malaria Associated Symptoms in Northern Namibia. *Int. Sci. Technol. J. Namibia* Vol 2, (1) p 69-83

Gert Van Rooy, Anthony Minnaar (2014) Psycho-social characteristics of male perpetrators of Intimate partner Violence in Namibia. *Acta Criminologica* 26 (2)

Kadhila-Muandingi N.P., Nametso O., du Preez I. and Mumbengegwi D.R. Antiplasmodial activity of indigenous *Ganoderma lucidum* and *Terfezia pfeillii* Namibian mushrooms. *Journal of Parasitology* (accepted December 2013)

Elina Amadhila, Gert Van Rooy, Joanne McVeigh, Hasheem Mannan, Malcolm MacLachlan, and Mutamad Amin. Equity and Core Concepts of Human Rights in Namibian Health Policies (in) *Harvard Policy Journal* Vol. 8 2012-2013

The MRC also produced 13 technical reports as part of its research outputs and made 35 presentations at local and international conferences in Rwanda, Italy, Spain, the United Kingdom, Germany and several in South Africa.

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. These include:

- Training on Disaster Risk Management, training of parliamentarians on Gender, and training with MoHSS staff on the use of Rapid Diagnostic Tests for Malaria and case investigations.
- Mr Gert Van Rooy served as a founding member of the Southern Africa Disaster Risk Society.
- Dr Davis Mumbengegwi served as co-chair for research and as a member of the steering committee of the Southern Africa Regional Network (SARN) of the Roll-Back Malaria (RBM) Partnership.
- Mrs Selma Lendelvo served as vice-chairperson of the Management committee of Namibia Association for CBNRM Support Organizations (NACSO)
- The MRC was also represented on numerous national boards and committees such as: the Statistics Committee at NSA (Dr Indongo) National Research, Science, Technology and Innovation Valley Steering Committee (Dr Indongo) the Namibia Standards Institute Halaal committee (Dr Ahmad Cheikhoussef),
- Dr Davis Mumbengegwi served on the MAWF Indigenous Plant Task Team and on the Devils Claw working Group. He was also a member of the MoHSS National Vector-Borne Disease (NVDCP) Malaria Advisory group.
- Dr Kletus Likuwa served on the Museums Association of Namibia Executive Committee, on the curriculum development committee for Rumanyo language, was the regional facilitator for heritage hunt campaigns in the two Kavango regions.
- MRC staff served as reviewers for international journals such as: *Journal of Ethnobiology and Ethnomedicine* (Dr Ahmad Cheikhoussef), *Journal of the Saudi Society of Agricultural Sciences* (Dr Ahmad Cheikhoussef), *SAHARA-J: Journal of Social Aspects of HIV/AIDS* (Dr Indongo), *South African Review of Sociology* (Dr Indongo), *Plos One Journal* (Dr Indongo), *Journal of Essential Oil Bearing Plants* (Dr Ahmad Cheikhoussef); *Journal of Laboratory Automation* (Dr Davis Mumbengegwi); *International Journal of the Commons* (Dr. Alfons Mosimane); *Cereal Chemistry* (Dr Nantanga), *Journal of Cereal Science* (Dr Nantanga) and the *African Journal of Agricultural Research* (Dr Nantanga).

HIGHLIGHTS 2013





COMMUNITY LEARNS ABOUT RICE PRODUCTION AT OGONGO

The rice team at the Ogongo Campus of the UNAM Faculty of Agriculture and Natural Resources and the National Director of the rice project in Namibia, Professor Osmund Mwandemele, hailed the recently held Rice-Pearl millet field day, as a great success.

Since 2010 the rice information day has been celebrated annually at Ogongo Campus to raise awareness of critical production activities such as the crop production management techniques, processing, and use of rice by-products to local farmers and other stakeholders. The day was celebrated under the theme: "flood- and drought-adaptive cropping systems" and sought to encourage local farmers to integrate rice cultivation in the local agricultural system by cultivating rice in the seasonal wetlands (Oshanas) and Zambezi floodplains. The University believes this will improve the livelihoods of small-scale farmers in northern Namibia in enhancing the country's food security level. Team Leader of the Namibia-Japan Rice and Mahangu Project, Professor Morio Iijima demonstrated a new concept of cultivating rice, pearl millet and sorghum in a mixed cropping system as a way of ensuring food security under erratic local environments.



LANDMARK SOUTHERN CAMPUS GROUND BREAKING CEREMONY

UNAM hosted a highly successful groundbreaking ceremony officiated by its Chancellor and Head of State, H.E. Dr Hifikepunye Pohamba. This marked the ceremonial beginning of the dream of the University of Namibia Southern Campus which has now become a marvelous reality, a reality that cannot be described without borrowing from the archives of history.

Since time in memorial, access to higher education has been a thorn in the flesh of most Namibian communities. It is a disconcerting truth that this problem has always asymmetrically affected the poor. To address this imbalance, the University continues to strive relentlessly to take education to the people. To remove ethnicity and distance as barriers to accessing higher education and accord all people the opportunity to be inspired, the Southern Campus is, therefore, a towering embodiment of this objective.

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. TLIU 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 the development and review of policies and guidelines related to teaching and learning at university as well as the management and coordination of continuous professional development programmes for teaching at higher education level. It is also involved in the management and coordination of timetable and venues for teaching, learning and examination. The TLIU facilitates evaluations, mentoring and peer assistance in teaching and learning and the establishment of links with regional and international partners in promoting excellence in teaching and learning at higher education level.



ACTIVITIES

Policies

In addition to the UNAM Teaching and Learning Policy and the UNAM Assessment Policy approved by Senate earlier, the UNAM Mentorship Policy was also successfully passed through Senate. The TLIU was also instrumental in the development of the new Advanced Diploma in Higher Education which aims to equip academic staff with the necessary skills to effectively teach at tertiary level.

Workshops

A number of workshops were conducted by the TLIU. The year started with an Induction Workshop for new academic staff aimed at introducing and familiarizing new lecturers with the UNAM teaching culture, accepted practices, standards and policies guiding teaching and learning. This workshop, taking place at UNAM Main Campus, was attended by 67 UNAM staff members from all campuses, countrywide.

This was followed by a series of Effective Teaching & Learning Workshops at the Oshakati Campus, Ogongo and HP Campuses, Rundu Campus, Katima Mulilo Campus and the Khomasdal campus. These workshops were attended by a total of 159 academic staff members. The workshop content was developed by the University of Washington International Training and Educational Center for Health (I-TECH) and guided by the needs assessment survey completed by UNAM Lecturers in 2009. The overall goal of the workshop was to add to existing teaching skills of lecturers by providing them with the opportunity to consider topics such as course design, effective teaching methods, assessment, and mentoring.

A total of 15 academic staff members from the Main Campus, Khomasdal & Neudamm Campuses attended a Peer Review / Team Teaching Seminar facilitated by Prof. Karen Freisem, from the University of Washington.

The popular half-day seminar on PowerPoint Presentation was conducted twice at the Main Campus and attended by a total of 102 participants. This seminar targeted academic staff and aims at improving the use of this tool in effective teaching and learning.

Student-Lecturer Evaluation

UNAM upgraded the 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. The Confidential Student-Lecturer Evaluation Form has been modified by the TLIU Advisory Board to fit the current system. TLIU is in the process of pilot testing the system with a print-based form of 6 UNAM faculties. In addition 28 staff members attended the EVASYS training opportunity conducted by the vendor.

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.

International Partners

The TLIU activities are supported and strengthened by a number of international partnerships. In this regard, exchange visits to and from Eduardo Mondlane University in Maputo Mozambique, the University of Washington International Training and Educational Center for Health (I-TECH) and Concordia University in Canada facilitated workshops and seminars for UNAM academic staff members on various need based topics such as effective teaching & learning, peer review, team teaching, researching teaching and classroom climate and publication.

A number of benchmarking visits were undertaken to assess the Unit's performance against other equivalent reference point nationally or internationally for goal setting and self- improvement. These include a visit to Eduardo Mondlane University in Maputo, as well as an Advanced Facilitation skills workshop and a training session on Graduate Research Supervision for University Lecturers both in Johannesburg.

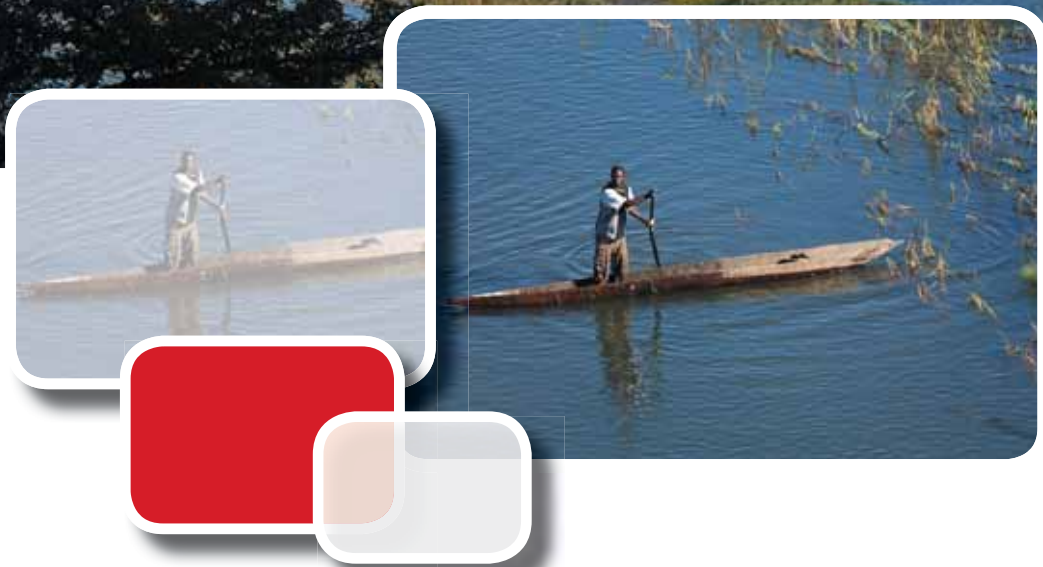
RESEARCH AND PUBLICATIONS

In addition to four unpublished conference presentations, one book review was published in the year under review:

Shalyefu, R. K. (2013). Ecofeminism and Rhetoric: Critical Perspectives on Sex, Technology, and Discourse. *Journal of International Women's Studies*, 14: 332-334.
Available at: <http://vc.bridgew.edu/jiws/vol14/iss3/33>

COMMUNITY SERVICE

The Unit has been assisting the Examination Office in the preparation and the administration of the examinations.



Through quality assurance interventions, CEQUAM strives to guarantee our clientele; value for money; fitness for and of purpose; customer satisfaction; relevance of programmes; internationalization; and transformation.

CENTRE FOR QUALITY ASSURANCE AND MANAGEMENT

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. In line with the institution's vision and mission statements, CEQUAM is responsible for administering and facilitating the operationalisation of UNAM's quality assurance and enhancement policy and procedures. In executing its mandate, CEQUAM makes a significant contribution to the University's aspirations of achieving high and internationally recognised excellence and quality standards as well as achieving the national imperatives such as NDP4, ETSIP and Vision 2030.



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's (NCHE) and Namibia Qualifications Authority (NQA).

CEQUAM's main objectives are to: ensure that there is a culture of quality within the University; improve the quality standards of the academic, research, community engagement and support service activities within the University through the participation of all stakeholders; build capacity within the University in terms of quality assurance; and implement quality standards that are benchmarked with the local, regional and international best practices, taking into consideration the specific needs and conditions of the University.

Through quality assurance interventions, CEQUAM strives to guarantee our clientele; value for money; fitness for and of purpose; customer satisfaction; relevance of programmes; internationalization; and transformation.

In pursuing the above, UNAM provides assurance to our 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. The anticipated outcomes for quality assurance at UNAM are, among others: improved student performance and success in learning; improved work performance of academic and support staff; enhanced transparency and stakeholder confidence; and enhanced capacity to compete with other higher learning institutions nationally, regionally and globally.

MILESTONES DURING 2013

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 pre requisite to accreditation of academic programmes by NCHE. One of CEQUAM's mandates is to make sure that all UNAM qualifications are registered on the NQF and accredited. The year 2013 has observed a drastic increase in the number of qualifications registered on the NQA as over 30 qualifications were registered during the year under review. This number is envisaged to double or even triple in the year 2014.

Quality assurance capacity building activities

One of CEQUAM's objectives is to build capacity in the 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 emphasizes 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 a very successful training workshop at Katima Mulilo Campus that focused on a number of areas within quality assurance. The workshop was a follow-up to the one held at Henties Bay the previous year, which brought together all members of the University-wide Quality Assurance Committee (QAC).

Departmental Quality Audits/Reviews

Quality audits/reviews are activities that are aimed at continuous improvement of the quality of service delivery at UNAM. During the year under review, CEQUAM undertook quality audits/reviews for the Language Centre, Namibia Business School, Faculty of Education, Faculty of Economics and Management Sciences, Faculty of Science and the Office of the Dean of Students.

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 to 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 Monitoring, Implementation 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.

Student Quality Day

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 a Student Quality Day at various UNAMs campuses, under the theme My UNAM, My University, My Pride!

The Student Quality Day is an event that takes place bi-annually at all UNAM campuses countrywide; one in the first semester and the other in the second semester with the purpose of providing an opportunity to our students to pause and reflect on how we fare in the area of quality as a university. Quality Assurance is a concept and a system that is fairly new in educational institutions, hence the need for a continuous sensitization 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. The 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 prioritize them on their budgeting processes.

INTERNATIONAL LINKAGES

As a means to draw from international best practices, CEQUAM has created formidable links with many institutions as well as Quality Assurance Agencies at both University and International levels. For instance, at international

levels, CEQUAM has participated on the 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 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, University of Mauritius and with the Copper Belt University of Zambia through staff exchanges.

COMPUTER CENTRE

Director: Mr Nabot Uushona

INTRODUCTION

During the period under review, the Computer Centre continued to roll out projects as per its two core objectives which are: to ensure operational efficiency by leveraging relevant technologies, and to improve teaching and learning through the use of ICT.

STUDENT REMOTE INTERNET CONNECTIVITY

The Computer Centre successfully implemented and rolled out the 3G connectivity for all students. This initiative allows students to connect to the Internet from anywhere as long as there is MTC 3G coverage.



DEPARTMENT OF FISHERIES AND AQUATIC SCIENCES MOVED TO SANUMARC

The Department of Fisheries and Aquatic Sciences moved to SANUMARC in July 2013. Computer Centre had to convert existing rooms into adequate IT laboratories for teaching purposes. A full scale library was also established with an IT research section and the library software (Millennium) was configured as well. Two separate research / study laboratories were also established. The new offices for staff members were networked and configured for internet and email usage.

INTERNET AND VPN CONTRACT

The Internet and VPN contract was awarded to Telecom Namibia.

CONTINUING PROFESSIONAL DEVELOPMENT (CPD) UNIT

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 recognised 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 facilitate capacity building of partner institutions.

ACTIVITIES

Consolidation of the decentralised CPD Model

One of the major activities of the Unit during the year under review was the consolidation of the decentralised model of CPD. This entailed collaborating with regional CPD coordinating committees and strengthening their capacities to roll out the decentralised model. Working with regional CPD coordinating committees, the Unit supported the establishment of site/school based CPD committees in Omusati, Ohangwena, Khomas, Kavango, Zambezi, Hardap, Omaheke and Kunene regions. School/site-based CPD coordinating committees are key to the successful implementation of a decentralised or localised and site-based CPD that is responsive to educators' professional development needs as they are being felt on the ground. CPD implementation guides were also developed as a way of supporting and guiding the work of these committees at site or local level.

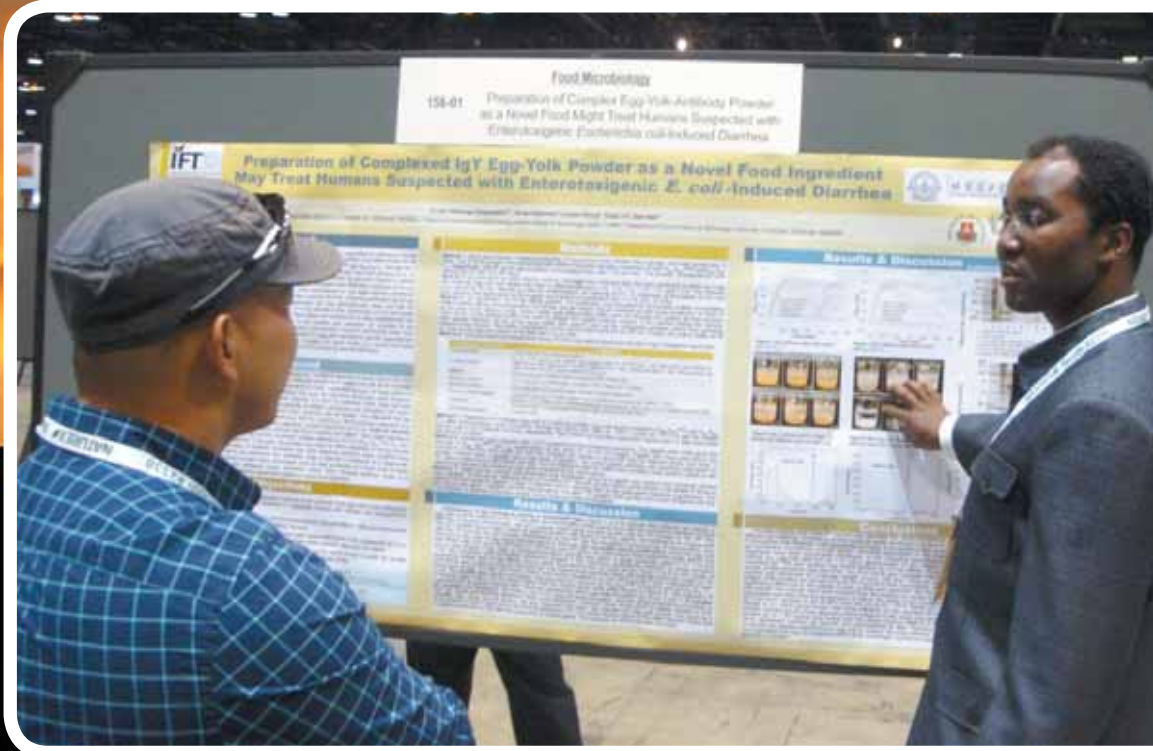
Development of Teacher Support Materials in English, Mathematics and Science

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 as they leave these early grades. Most learners perform at below basic level in English, Mathematics and Science, in Grade 5 and 7. Research indicates that the nature and quality of learning in these early grades influence the learner'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 accordingly in order to support teachers.

Training of Regional Master Trainers in Textbook Management and Utilisation

One of the challenges in the Ministry of Education has been the shortage of school textbooks. Associated with the shortage of textbook is the lack of skills in textbook management (caring for textbooks and ensuring that they last long) and the poor pedagogical utilisation of textbooks in classrooms. Thus, as the Ministry of Education acquired textbooks through the support from the Millennium Challenge Account Namibia (MCA-N), the CPD Unit collaborated with directorates in the Ministry of Education and coordinated training of trainers in textbook management and utilisation. Over seventy-five regional master trainers were trained in textbook management and utilisation; they were mandated to train others in their regions.

HIGHLIGHTS 2013





ENGINEERING QUALIFICATIONS GET PROFESSIONAL DEGREE STATUS

The University's engineering degree programmes have received approval as Professional Engineering Degrees from the Engineering Council of Namibia (ECN), after it recently appointed a Programme Evaluator to review the programmes. "Any applicant applying for registration with the Engineering Council of Namibia holding one of the abovementioned (UNAM Engineering Degrees) will be eligible for registration in the Professional Engineer category", said the President of the ECN Markus Von Jeney.

He further remarked that the programmes not only meet ECN requirements but international engineering qualification standards. "The course content is in line with the generally accepted international engineering qualifications. Exit level outcomes as specified by the Engineering Council of South Africa (ECSA) and accepted by the ECN that meet the International Engineering Alliance (IEA) requirements have been specified for these Engineering degrees", said Von Jeney. The Programme Evaluator commented that he is impressed with the progress made by UNAM in getting the qualifications to meet the International Engineering Alliance requirements.



ACADEMIC PRESENTS NOVEL FOOD INGREDIENT AT INTERNATIONAL CONFERENCE

Food Scientist and lecturer in the Department of Food Science and Technology Dr Nditange Shigwedha, presented a novel food ingredient at the Institute of Food Technologists' annual meeting and expo in Chicago, USA recently. The novel food ingredient is formulated from egg yolk, and was developed with the aim of treating people with bacteria induced diarrhea. Shigwedha says egg yolk is commonly known to be rich in protein, lecithin and other substances. Lecithin is used as a food supplement and for medicinal purposes

Although many people have realised egg yolk as an important source of antibodies that are vital for the defence against bacteria and viruses, it is not yet widely used as an ideal ingredient in foods, somewhat because of some technical difficulties existing in extracting or isolating the various components of the egg yolk. Dr Shigwedha's research team achieved this goal by developing new separation and purification procedures that can be used by Namibia and the rest of the world to manufacture the complex egg-yolk powder. This enhances the body's immune response when combined with an antigen.

Instructional Leadership Training for School Managers

The Unit also collaborated with directorates in the Ministry of Education, and with the support from the Millennium Challenge Account Namibia (MCA-N), to facilitate the development of a professional development programme in “Instructional Leadership for School Managers”. This came about as result of the fact that school managers, as instructional leaders, have a bearing on learner performance. In Namibia, one becomes a school principal by virtue of being a good teacher. There has been no state mandated programme that prepares school managers for their role. The African Leadership Institute (ALI) was thus contracted to work closely with the CPD Unit and other stakeholders to train over seventy-five Regional Master Trainers who would then repeat the same training in their regions.

ICT Literacy and ICT Integration for Educators

The CPD Unit collaborated with the Faculty of Science (Department of Computer Science) to develop a University credit bearing ICT module for educators. Further to this, the Unit collaborated with the Faculty of Education to develop a module in ICT Integration for educators. These modules were developed in response to an overwhelming need for professional development in ICT literacy and ICT integration that was expressed across the regions.

2nd CPD Annual Conference

The Unit collaborated with other CPD stakeholders and successfully organised the 2nd CPD Annual Conference. More than three-hundred educators (teachers, teacher educators, education managers) attended the Conference. The Conference provided a platform where educators share and exchange best practices in teaching. At the Conference, the Honourable Minister of Education inaugurated the CPD Association for Educators’ (CPDAE) in Namibia together and launched with the first issue of the Namibia CPD Journal for Educators (NCPDJE). The Association recruited over a hundred members during the Conference.

CHALLENGES

One of the key challenges in implementing CPD during the period under review was the lack of or absence of a CPD regulatory framework in the form of a CPD policy. A CPD policy would state the Ministry of Education’s requirements for CPD. It would also outline the positive and negative sanctions for participating or not participating in CPD. The current staffing of the Unit is also a challenge given the geographical expanse of Namibia and the number of educators country-wide, which is well above twenty-four thousand.

ESTATE SERVICES

Director: Mr Martin Shikongo

INTRODUCTION

During the year under review, the Department of Estate Services embarked on an accelerated programme that contributed to the improvement of services for teaching and learning. Infrastructure developments were implemented across all campuses in the country. The establishment of a campus in the south, known as Southern Campus, was realised with the conversion of donated classrooms at the Ministry of Education's Teachers' Resource Centre.

PROJECTS

A significant amount of investment was made; this contributed to the rehabilitation of the electrical network at the Hifikepunye Pohamba Campus in Ongwediva. The upgrading of hostel facilities and classrooms was also undertaken at the same campus. The construction of a lecture hall at the Oshakati Campus as well as renovations and modifications of existing buildings which included the expansion of the offices for Centre for External Studies were completed. The rehabilitation of roads at Khomasdal Campus and the finalization of expanded classrooms were also realized during this year.

The Department of Fisheries and Aquatic Science was successfully relocated to Henties Bay and additional facilities required for the campus were constructed. A hostel was built and construction commenced for a library, additional classrooms and sports facilities.

As part of the implementation of phase 2, the Life Science 2 building was handed over which was followed by the construction of parking facilities and the establishment of a taxi rank with a new entrance from Mahatma Gandhi road. The tendering process for Phase 3, which will include the construction of a library and an administration building was done.

The construction of the Mining and Metallurgical building under Phase 2, jointly funded by the Namibian Government and the Indian Government, was completed. This latest addition to the five star formation on the campus is also known as the Indian Wing. This phase also included the construction of a library and resource centre.



UNAM FOUNDATION

Director: Ms Lorna Mbwale

INTRODUCTION

As the University of Namibia's central fundraising arm, the Foundation's key function is to raise funds for the University. The Foundation thus strives to align and associate itself with captains of industry, to help the University achieve its short and long-term objectives. It not only fundraises to support research projects that address pertinent public and industry specific needs, but to support needy and talented students with scholarships and bursaries, as well as infrastructural development.

During this past year (2013), the Foundation raised about N\$3,6 million for various projects and for the University of Namibia. The Foundation would not have attained any success in achieving its mission without its friends and partners in the public and private sector.



HIGHLIGHTS

Chancellor's Golf Day Fundraiser

The Foundation hosted its annual Chancellor's Golf Day during 2013. As in previous years, the day proved to be one of great enjoyment. Each team that entered walked away with a prize and some spot prizes by lucky draw were also up for grabs. The winning team on the day was the Telecom Namibia team. The event was rounded off with a delicious dinner which was well-attended by all.

As an annual event on the University's calendar, the Chancellor's Golf Day provides an entertaining and relaxing way for professional and weekend golfers to unwind from office stress, network with friends and colleagues and generally enjoy the healthiest of air under the Namibian sun. It also provides the Foundation with a valuable opportunity to make new friends and increase its network of partners and donors.

Rundu Agricultural Commercial Project

Having commenced with this project in 2010, the Foundation has secured land for the project through the Kavango Regional Council. The land has been prepared for planting and fencing has been erected to protect the crops from animals. In the meantime, discussions have reached an advanced level with interested investment partners.

The Student Residences (Hostels) Project

The hostels project, a Public/Private Partnership between UNAM and Hanganeni, once completed, will provide accommodation for 1,152 students and incorporate recreational areas and parking bays for tenants.

Construction is progressing well and the first intake of residents will be received at the commencement of the 2014 academic year.

Southern Campus Development

Building on its successful fundraising campaign in October 2012, the Foundation continued its efforts to secure donations for the development of the Southern Campus in Keetmanshoop. Further donations were received this year for the Southern Campus Fund.

UNAM Service Outlets and Lease of Office Space

During 2013, the UNAM Foundation continued to facilitate the University's efforts to optimise revenue from

various privately-run on-campus, commercial enterprises, acting as contracts 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.

Alumni Relations

The Foundation continued to expand its relationships with UNAM's Alumni. Globally, no University can survive without the support of its Alumni and, in this regard, the Foundation continues to foster relations through its Alumni Association by establishing active links with its pre- and post-graduates to create awareness among them and increase its database. Membership continued to increase through active recruitment at graduation ceremonies and the annual Alumni AGM.

Friends of UNAM

Businesses and business people cannot be excluded from the University's development and awareness. The Foundation remains dependent on and grateful to the participants of various businesses, governments and individuals who offered themselves to be part and parcel of the University's programmes and endeavours. Much has been achieved via various channels through which the Foundation has become more visible, such as Public/Private Partnerships, exchange programmes, internships, contributions towards research and development, resource mobilisation and many others.

Visit to Germany

Towards the end of June 2013, a delegation of seven participants, including the Foundation Director, conducted a fact finding trip to examine and investigate business incubator systems of various German universities and institutions. The main purpose of the trip was to investigate innovation and start up management approaches established in tertiary education and industries in Germany; use the findings from the trip to identify appropriate concepts for Namibia and the UNAM incubation framework; examine the linkages between the education system, industries and entrepreneurship cultures at various levels; and explore and - where suitable - establish a network of collaboration.

The delegation visited a mix of universities, enterprises, a Chamber of Commerce and Industry and global networks - all engaged in the promotion of entrepreneurship and start up management. The majority of sites visited were situated in the Federal State of Baden Wuerttemberg, one of Germany's strongest economic regions with an excellent education system and a large number of medium-sized, often family owned, companies.

The fact finding mission to Germany has shown that successful start-up management needs strong partners and links to the industry. The strength of the German system lies in its dual education system that forms a strong foundation, namely vocational training combined with formal education.

Visit to United States of America

The Director, accompanied the Vice Chancellor's delegation, visited North America in July 2013. An invitation had been extended to UNAM on behalf of the International Training and Education Centre for Health (I-TECH) to visit its headquarters in Seattle, Washington. The invitation was to further the development of a partnership between University of Namibia and the University of Washington through meetings with select deans, faculties and Foundation or Advancement Offices.

Ms Mbwale had an opportunity to mingle and have discussions with the Chair for Global Health, Professor King Holmes, at the Washington Club, UW Campus. The discussions concentrated on the needs of UNAM in totality, touching on matters pertaining to capacity building, research and the need for fundraising. It was also at this point that the Director mentioned the need for a teaching hospital and requested Professor Holmes' support in this regard. The main aim was to benefit from his pool of friends to generate the required amount of €3,000,000 for the establishment of a teaching hospital, in light of the prevailing situation at the Katutura State Hospital and the Windhoek Central Hospital.

CONCLUSION

The most important benefit of support is the knowledge that the donor makes a gift of far greater value than money – an education and a life-skilling experience. Donor support makes a long-term difference to the many lives impacted upon by the University of Namibia. The satisfaction of helping to build a society of educated thoughtful people, growing tomorrow's leaders, and sharing in ground-breaking research discoveries, cannot be quantified.

RESEARCH AND PUBLICATIONS OFFICE

Director: Professor Isaac Mapaure

INTRODUCTION

The Research and Publications Office (RPO) has overall responsibility for coordinating and managing research activities of the University of Namibia at all the 12 Campuses across the country. During the year under review, the RPO ably carried out this mandate under the leadership of Prof. Isaac Mapaure, deputised by Dr Hileni Kapenda. The major focus was to increase the research culture through sensitisation and training for writing grant proposals and to write papers for publication. Another important focus was to develop research-related policies in order to guide the research conduct and processes within the University. These efforts resulted in a noticeable improvement in the research culture and a resultant increase in research output at the University.



ACADEMIC AND RELATED ACTIVITIES

During 2013, the Research and Publications Office continued to conduct capacity-building (professional development) workshops at various Campuses. The workshops focused mainly on writing papers for publication as well as developing research proposals. The Faculty of Engineering and Information Technology, Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC) and Ogongo Campus were targeted in 2013. A total of 57 staff members were trained during the year under review. One other area which the Research and Publications Office has been assisting Campuses with is that of developing their Five Year Research Agendas. During 2013, the Rundu Campus was assisted in this regard and it is hoped that the Research Agenda will be launched in 2014.

The publication output of the University has continued to increase. During 2013, more than 470 scholarly publications were produced, indicating close to 30% increase from 2012. The RPO continued to manage research projects for the staff members. In total, 13 internally-funded and 17 externally-funded projects were managed.

In August 2013, the Research and Publications Office collaborated with the Southern African Research and Innovation Management Association (SARIMA) to offer a two-day Workshop on Writing successful grant proposals at Furstenhof Hotel in Windhoek. Twenty-seven participants from five organisations in Namibia were trained. There was great interest in the workshop as indicated by the oversubscription during the application stage, indicating a great need for such training. One participant was from Mozambique, and she had come to learn also about the processes involved in such training. Participants were exposed to the fundamentals of grant proposal writing, including important non-technical issues that matter.

Staff members of the Research and Publications Office also continued to be capacitated in their professional aspects. This was mainly through attending training Workshops and Conferences related to research and innovation management as well as policy development.

Prof Mapaure attended a training Workshop on Research Ethics, Integrity and Quality Assurance organised by Creative Concepts in Johannesburg, South Africa. He attended another Workshop on Promoting responsible research conduct: Running a Research Ethics Committee. This was organised by the Southern African Research and Innovation Management Association (SARIMA) in Cape Town. These two workshops were very important given that UNAM is in the process of developing the Research Ethics Policy and Guidelines for that Policy. A training workshop, organised by EGGLETON Training in Johannesburg, dealt with Alternative Funding Excellence for Higher Education in Africa and Prof Mapaure together with the UNAM Foundation Director and the Director of the UCCB attended.

HIGHLIGHTS 2013





NAMIBIA TO ELIMINATE MALARIA BY 2020

Namibia is on track to become malaria free by 2020. With a national strategic plan for elimination launched in 2010, and groundbreaking research underway to determine the most effective and efficient strategies to eliminate the disease, malaria is rapidly fading and will soon become history in the country.

A research project headed by Dr Davis Mumbengegwi at the UNAM Multidisciplinary Research Centre (MRC), is the main reason for this bold claim. This project is supported by Dr Hugh Sturrock and Dr Roly Gosling of the University of California, San Francisco (UCSF), Global Health Group and Dr Immo Kleinschmidt, from the London School of Hygiene and Tropical Medicine in the United Kingdom.

The researchers have been working with the National Vector borne Disease Control Programme (NVDCP), to learn more about the remaining reservoirs of infection in Northern Namibia where this disease is relatively more common. Research teams have been trying to understand the risk factors that are associated with malaria transmission in Engela District, Ohangwena, and have recently expanded the project to Outapi and Oshikuku in the Omusati region.



LAW STUDENT RECEIVES INTERNATIONAL SUMMER SCHOOL BEST STUDENT AWARD IN SWITZERLAND

UNAM final year Law Student Ndjodi Ndeunyema was awarded the Best Overall Student Award at the International Summer School session which took place at the University of Lucerne School of Law in Switzerland in July 2013. He was amongst 37 international students from countries such as Australia, the US, Brazil, Israel, China, and numerous European countries who participated in a summer school at Lucerne Academy for Human Rights Implementation. His team was also adjudged to have submitted the best written memorial. The outstanding performance in the competition resulted in Ndjodi being awarded three internship opportunities in Geneva and Johannesburg at institutions working in various fields of constitutional law, human rights and international law.

The annual summer school is a three-week programme of coursework and hands-on learning for advanced law students and legal practitioners held at the University of Lucerne School of Law in Switzerland, in partnership with several distinguished international law schools.

Dr Kapenda and Prof Mapaure attended the annual Conference of the Southern African Research and Innovation Management Association (SARIMA) in Cape Town and presented a paper (see publications below) on Research Mentorship and Capacity Building Initiatives at UNAM. Dr Kapenda attended a Workshop on Research Uptake with a theme 'thinking strategically about incorporating research uptake into institutional structures and individuals skills sets' organized by the Development Research Uptake in Sub-Saharan Africa (DRUSSA) in Cape Town. Ms Claassen attended an intensive e-learning course offered by the World Bank. The theme of the course was 'Developing and Implementing an Innovation Policy for Developing Countries'. The course ran over three months and comprised 12 modules. The modules covered a variety of topics such as Developing an Innovation Policy for countries with weak innovation institutions, Evaluating tangible, intangible Intellectual Property Assessments; Steps to Strategic Management of Intellectual Property; Maintaining Intellectual Property Confidentiality; Conflict of Interest in Intellectual Property; Implementation of Intellectual Property Misconduct Procedures; Managing Multinational Intellectual Property Research Consortia; as well as Managing Multinational Intellectual Property Agreements. The course was successfully completed and a diploma was awarded to Ms. Claassen.

The Research and Publications Office continued to participate in Staff Induction Workshops at various Campuses of UNAM. During 2013, the RPO offered an induction workshop at Khomasdal Campus at the request of the Campus Management. The RPO participated in the Staff Induction workshop organised by the Teaching and Learning Improvement Unit (TLIU) at main Campus. Staff members from the RPO also continued to attend other events and contribute to national and international programmes including Workshops of the National Commission on Research, Science and Technology (NCRST), the Business and Intellectual Property Authority (BIPA) Namibia, Southern African Regional Universities Association (SARUA) and Southern Africa-Nordic Centre (SANORD).

The UNAM Research Day has become an annual event since 2011, where UNAM showcases its various research activities in the form of academic papers, posters and research presentations and innovation products to the academic fraternity and the public. This event was celebrated at all Campuses throughout the country. This event was held in October, and associated with this event in 2013, UNAM displayed products of innovative research work that resulted in value-added Mahangu products as well as capsules from Ganoderma mushrooms. Several research presentations were done covering a wide range of disciplines. This event was graced by the Founding President of the Republic of Namibia, His Excellency, Dr Sam Nujoma and several Cabinet Ministers, Members of National Assembly, the Chief Executive Officer of the NCRST Dr Eino Mvula, and several other respected dignitaries led through the function by the Vice Chancellor, Prof Lazarus Hangula and the PVC (AA&R), Prof Osmund Mwandemele. It also included the launch of the book Mukwahwepo, published by the UNAM Press.

Another major milestone achieved in 2013 was the approval of the Research Policy, Research Ethics Policy and Scholarly Communications Policy of UNAM by Senate. The development of the first two policies was spearheaded by the RPO while the Scholarly Communications Policy development was led by the UNAM Press and the RPO played a significant role. These Policies will go a long way in guiding the conduct of research and related matters at the University. A Draft Intellectual Property Policy was also developed and started the process of discussion at the various Committees.

RESEARCH AND PUBLICATIONS

Claassen, P., Kaapama, P. (2013) Grazing Conflict Management and Resolutions in Multiple Resource Users in Farming and Agriculture Contexts. *IDS Bulletin*, 46/3, pp.17-32.

Gotosa, T.N., Gotosa, J., Katsvanga, C.A.T., Nyakudya, I.W., Kundhlande, A. & Mapaure, I. (2013). Woody vegetation diversity and regeneration in an abandoned sugar Estate in semi-arid Zimbabwe. *The Journal of Animal & Plant Sciences* 23(5): 1370-1378.

lipinge, S.M., Likando G.N., Haiping E., Claassen P. (2013) Student Evaluation at Windhoek College of Education:

Evidence of Quality Assurance to Improve Teaching and Learning. *Journal for Studies in Humanities and Social Sciences* 2(1):87-93.

Kapenda, H. M. & Kasanda, C. D. (2013). Teachers' views on the use of traditional medicinal plants in the treatment of common ailments and diseases in the Oshana region, Namibia. In M. B. Ogunniyi (Ed.), *Fourth International Conference of the Science and Indigenous Knowledge Systems Project/South African-Mozambican Collaborative Research Programme Proceedings*, pp.246 -251. Cape Town: University of the Western Cape.

Mapaure, I. (2013). A preliminary simulation model of individual and synergistic impacts of elephants and fire on the structure of semi-arid miombo woodlands in north-western Zimbabwe. *Journal of Ecology and Natural Environment* 5(10): 285-302.

Mapaure, I. (2013). Short-term responses of shrub layer communities to dry season fires and tree thinning in semi-arid miombo woodlands of north-western Zimbabwe. *African Journal of Plant Science* 7(9): 414-425.

Mapaure, I. (2013). Review of Climate Change in Namibia: Projected trends, Vulnerability and effects. Chapter 13 (I): In: Ruppel, O.C. and Ruppel-Schlichting (Eds). *Environmental Law and Policy in Namibia: Towards making Africa the Tree of Life. Fully Revised Second Edition.* Hanns Siedel Foundation, Windhoek. Pages 245-264. ISBN 978-99916-849-9-4.

Mapaure, I. & Mwandemele, O.D. (2013). The need to conduct research that addresses Namibia's socio-economic development goals: A critical review of the role of Higher Education Institutions. In: Auala, R., Likando, G., Matengu, K. and Wolhuter, C.C. (Eds). *Proceedings of the regional workshop of SACHES, Southern African Comparative and History of Education Society. Education in Africa for the 21st Century, Rundu Campus, University of Namibia, 11-13 July, 2012*, pp. 81-92. ISBN 978-1-86822-637-5.

Mbango, O., Mapaure, I. and Mpofu, I. (2013). Impact of livestock on vegetation and soil nutrients around water points in highland savanna rangelands, Namibia. Lambert Academic Publishing. ISBN: 978-3659357527.

Mukakalisa, C., Kandawa-Schulz, M. & Mapaure, I. (2013). Genetic diversity in landraces of Bambara groundnut found in Namibia using RAPD markers. *Acta Horticulturae* 979: 683-688.

Mukakalisa, C., Kandawa-Schulz, M. & Mapaure, I. (2013). Effect of sowing seasons on growth and development of Bambara groundnut (*Vigna subterranea* L.) *Acta Horticulturae* 979: 689-694.

COMMUNITY SERVICE

Staff members of the Research & Publications Office continued to offer advisory services to the Faculties, Centres and Campuses. Continued support was rendered with respect to applications for funding, training in grant proposal development, liaison with external stakeholders on behalf of the researchers. In fact, apart from research management activities, the bulk of the work comprises community service activities.

OFFICE OF THE DEAN OF STUDENTS

Dean of Students: Dr Itah Kandji-Murangi

INTRODUCTION

The Office of the Dean of Students (ODS) is the hub of all structured student support programmes and services. These services and Programmes are decentralized to all twelve (12) UNAM campuses. The ODS is the home away from home for students, this is where their potentials are identified, harnessed and developed. The ODS programmes and services are aimed at: accelerating students' adjustment to university and academic life; facilitating the development of an academic culture; helping students find and pursue correct educational paths and crystalize their career paths; learning to detect and balance personal, social and academic pressures; averting psychological breakdown and academic failure; creating a general platform for experiencing and appreciating cultural diversity.



The Dean of Students provides the overall leadership of the ODS, while the three main Departments within the Office are headed by Assistant Deans: Support Services, Professional Services and External Campuses Services. These departments render student support programmes across the campuses. These programmes include but are not limited to, first year students' orientation, student leaders' elections, student leadership induction, health week, career fair, peer counselors' selection and training, academic seminars, cultural festival, sports and ODS Awards.

Emona Residences

The shortage of students' accommodation at the three UNAM centrally located Windhoek based campuses became history with the completion of some of the blocks of the Emona private hostels by late 2013. Already by the end of 2013 advertisements had gone out inviting would be student tenants to apply. Emona's announcement was welcomed as it eased accommodation problems of students from the Khomas region, who as a rule, are not eligible for the Main campus hostels, as well as multitudes from other regions and international students.

Programmes and Services Implemented

As it is the norm at the beginning of the academic year, the ODS management members traveled to the regional campuses to assist with the organization and the rolling out of the university wide orientation for the first year students.

The ODS Career Fair took place as planned at the Main campus and Hon. Deputy Minister of ICT, Hon. Stanley Simataa officiated. Hon Simataa stressed in his speech that self-knowledge is the key to self-development and overall success. The Faculties of Engineering at Ongwediva and Agriculture at Ogongo organized special career fairs unique to their programmes of study. Organizations and individual professionals with expertise, and farmers with experience in agriculture were invited to come and share their ideas, experiences and give advice to students.

The Pro- Vice Chancellor for Finance and Administration officiated at the 2013 annual cultural festival. The cultural festival was celebrated with a great sense of pride and joy.

The year under review witnessed great achievements by UNAM students through participation, active involvement and outreach Programmes locally, regionally and internationally – world universities debating program, international legal studies summer school, Rhodes scholarship award, to mention but a few.

DISABILITY UNIT

Coordinator: Ms Drussila Kandji

INTRODUCTION

Students with disabilities have been identified in various Governmental policy documents as being historically disadvantaged and deserve special attention. More and more tertiary institutions, however, are now focusing on the mainstreaming and inclusion of students with disabilities in their development strategies. UNAM has the established Disability Unit (DU) to offer specialised services to students with disabilities that should enable them to cope better with their studies.



ACADEMIC ACTIVITIES

The Disability Unit (DU) offered the following main services and support during the year under review:

- The DU negotiated for concessions in terms of additional exam time for students with conditions warranting such time in order to have equitable opportunities to study.
- The DU produced study materials in accessible format (for example braille) and access to computers with talking software (window eye) for students with severe profound visual impairments. In collaboration with the Office of the Dean of Students, the DU facilitated students' funding and housing on campus.
- The DU offered counselling services to students. Counselling is one of the new services that DU offers. Some students with disabilities report that they felt more comfortable to discuss their psychological and psycho-social needs with the DU staff and receive support from the DU rather than seeking more generic counselling services. The DU tapped and benefited from the staff of the Department of Education Psychology and Inclusive Education at the various campuses. When students receive counselling or debriefing for issues they are facing, they are able to perform academically better than when such services are not engaged in.
- The DU offered assistance with registration procedures to students with special needs and disabilities.
- The DU arranged for intensive mobility and orientation training to students who are blind. Human guides were also trained in supporting and guiding students who are blind.
- The DU offered intensive computer literacy training to students with sensory disabilities. The ELCIN Rehabilitation Centre partnered with DU in offering this training.
- The DU offered awareness raising and sensitization workshops for staff and students on how to relate to, support and create welcoming environments for students with additional needs. General academic support was also given to staff and students upon request.
- Entertainment and Sport activities were offered to students with disabilities and special needs to provide relaxation in the midst of high academic pressure.

PROFESSIONAL DEVELOPMENT

Two staff members of the DU visited Universities in South Africa to learn about good practices on supporting students with disabilities and other additional needs in higher education. This familiarization tour was very valuable and contributed to improved services. The networks acquired during this tour continue to be used to improve services of the DU.

ADVISORY SERVICES

The DU continued to advise the Physical Planning Department on the creation of an enabling environment in which infrastructure does not serve as a barrier to certain people in the University community. The DU rendered advice on the creation of ramps on the various campuses. More and more spaces are now accessible to people experiencing both temporary or permanent physical and mobility challenges.

STRATEGIC & PHYSICAL PLANNING

Director: Mr Kennedy Mbangi



INTRODUCTION

The Department of Strategic and Physical Planning has three operational functions namely: Strategic Management; Physical and Space Management; and Management Information Services. Strategic Management facilitates strategic planning and management planning processes in the University, coordination of the strategic plan implementation and strategy monitoring and evaluation processes. Information Management and Services (MIS) concerns the University statistical data organisation through data warehousing, Business Intelligence and Institutional research. Physical Planning and Space Management deals with planning and determining current and future University infrastructure needs and effective space planning and allocation and utilisation by respective faculties.

ACTIVITIES

The Department successfully facilitated two business reviews, namely, end of the year 2012 (Semester 2) business review and 2013 Semester 1. A total of 36 individual Faculty/Unit management plans have been reviewed and finalised. The mid-term review for the University has also been finalised and will serve at Council. The department also acts as a secretariat for the University think tank.

As far as the management information and institutional research is concerned, the unit has designed a repository database besides the ITS system. The repository enables the unit to report on the important statistics quicker and efficiently. Furthermore, the unit participated in the development of the higher education funding formula as well as the design of national tracer study tools. A seminar on instructional research was held and involved experts from UNISA. The seminar resulted in the production of UNAM institutional Research Plan.

The Unit also produced statutory reports to the Ministry of Education, National Planning Commission and National Council for Higher Education; UNESCO Uis report NSA annual economic survey. Besides that the Units has produced University statistics reports such as enrolment graduation and staff complement reports.

RESEARCH

Although the Department is not involved in academic research, it undertakes Internal Institutional research necessary to support decision-making. Such research facilitates evidence based decision-making, including desk top institutional research on the institution's performance. For the academic year under review, the Unit oversaw the 2013 Strategy Implementation Review, including the UNAM brand survey study. Other Institutional research studies underway included among others the Registration Efficiency and Meeting Administration Efficiency studies.

Desk top institutional research on the institution's performance studies have also been undertaken, notably, 2004 – 2008 five cohort student completion rate, 2008 – 2012 five year student success and 2008 – 2012 five year student dropout and retention reports.

As far the Physical Planning activities are concerned, the Unit recently completed the Guide Plan for Physical Development 2011 – 2020 including the Implementation Guides for Physical Development. Furthermore, the study on Space Management Frame for purposes of not only to effectively manage space and space reporting but will also guide future infrastructure development and budgeting for infrastructure development at main campus.

COMMUNITY ENGAGEMENT

Together with the University Central Consultancy Bureau 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 project that will stimulate the local economic activities in Omuthiya Town and the country at large.

ZERO EMISSION RESEARCH INITIATIVE (ZERI)

Coordinator: Ms K Muandingi

INTRODUCTION

The Zero Emission Research Initiative (ZERI) programme aims to catalyze the application of Science and Technology towards food security, the creation of employment opportunities, especially for rural women and the youth, the enhancement of health and socio-economic welfare, sustainable development and environmental regeneration in rural and peri-urban communities.

ZERI further aims to transfer scientific technology and skills to communities using organic waste in order to reduce poverty, generate income and create employment while promoting good health at the same time. Within the University, the ZERI Project focuses on mushroom research, farming and development through product development using raw materials that are ordinarily deemed wastes from agriculture and food processing industries. The project also enables women and youth from rural and peri-urban backgrounds to become self-reliant through skills transfer.

Through the promotion of mushroom farming and mushroom consumption, ZERI aims at providing affordable options that are viable and suitable to generate income and reduce poverty to people in Namibia's rural and peri-urban communities.

RESEARCH AND PUBLICATIONS

ZERI focused on a number of research projects including a study on mineral components and trace elements in wild Namibian *Ganoderma* species, antiplasmodial activity of indigenous *Ganoderma lucidum* and *Terfezia pfeillii* (Kalahari truffles) Namibian mushrooms, the isolation and characterization of bacteria and fungi affecting cultivated mushrooms in selected areas in Namibia, antioxidant activity of the ethanol extract from some wild Namibian mushrooms and the possibility of growing *Lentinula edodes* (Shiitake) and *Ganoderma lucidum* (Lingzhi or Reishi) mushroom on maize (corn) cobs in Namibia.

Following years of research on the Namibian medicinal mushroom from the genus *Ganoderma*, ZERI in collaboration with the Food Science Department in the Faculty of Agriculture and Natural Resources, produced *Ganoderma* Dietary Supplements in the form of capsules. These can be used to boost the immune system to ward off many ailments such as liver problems, heart conditions, asthma, cancer, high blood pressure and arthritis. Having been used for decades in other parts of the world, *Ganoderma* is recommended for use by people living with HIV/AIDS.

ZERI activities are supported not only by the University through 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, but also by a number of external donors. These include NEDBANK, the United Nations Development Programme (UNDP), the Global Environmental Facility (GEF), the United Nations University (UNU), Rössing Foundation and the African Union through the Southern African Network for Biosciences (SANBio). Specific community projects are supported by a variety of smaller donors.

Research culminated in the following publications:

Kadhila-Muandingi, N. P (2013). Mushroom Research and Development in Namibia. Faculty of Science 1st Annual Science Research Conference Book of Abstracts: pp.34-35, Windhoek, Namibia.



Kadhila-Muandingi, N. P (2013). Industrial Production and Marketing for medicinal mushrooms. Abstracts of the 7th International Medicinal Mushroom Conference pp. 37-38, Beijing, China.

Kadhila-Muandingi, N. P (2013). Overview of Namibian medicinal Mushrooms. Summer School, School of Medicine University of Namibia, Windhoek, Namibia.

COMMUNITY ENGAGEMENT

ZERI is actively involved in community service in most parts of the country with the PMU at the Main Campus in Windhoek as the main supplier of mushroom cultures and quality spawn to all corners of country. This enables communities and individual mushroom farmers to produce mushrooms and supplement their income.

A number of training workshops were conducted. These include community training on the cultivation of medicinal mushrooms at Ongula ya Netanga for 25 people, and training on Oyster mushrooms cultivation for four groups including the Steps for Children Project in Gobabis, Sun Rise, Oshakati and 12 UNAM Fourth Year Science Students.

During training, participants are introduced to mushrooms as food, medicine and the danger they can cause when incorrectly identified. Participants are enlightened on the importance of mushroom cultivation, the development of mushroom culture and spawn and the identification of potential local materials to be used as substrate for growing the mushrooms. They are introduced to different types of mushroom houses, local available materials that can be used in their construction and the maintenance of mushroom houses. Trainees are also informed about contaminations and pest control during the production, harvesting, marketing and preservation of mushrooms.

UNIVERSITY CENTRAL CONSULTANCY BUREAU (UCCB)

Director: Mr Akiser Pomuti



INTRODUCTION

In 2010, the University Central Consultancy Bureau (UCCB) was transformed from a cost centre to a truly revenue generating entity. Part of this transformation was to run UCCB as a business entity guided by business principles within an acceptable business model with measurable indicators for revenue generation. To this end UCCB was given a mandate to engage academic and administrative staff of the university as well as individual private consultants with relevant skills, in consultancy work to support the implementation of projects.

ROLE OF UCCB IN THE UNIVERSITY

The Bureau is a vibrant hub for all activities related to binding contractual research, consultancy and services that are relevant, responsive and tailor-made to meet the client's needs. The primary purpose of UCCB is to cultivate a standard of excellence in consultancy, short courses, business development, information communication and technology. UCCB is also responsible for developing nationally significant projects which emanates from Government Ministries and the private sector. These projects focus primarily on reducing poverty, unemployment and skills deficit.

OPERATIONS OF THE UCCB

All of the UCCB projects operate within one of the following four Divisions: the Business Development Division (BDD), the Capacity Building and Training Division (CBTD), the Consultancy Division (CD) and the Information Communication and Technology Academy (ICTA).

BUSINESS DEVELOPMENT DIVISION (BDD)

The focus of the Business Development Division is on the identification of new business opportunities for UCCB aimed at providing a platform to facilitate, nurture, direct and train emerging entrepreneurs with a vision to contribute to business development of the country.

Starting in mid-2012, the University of Namibia represented by the Business Development Division of the UCCB, was tasked to provide the needed technical support to the Sub-committee on Long Term Solution to Unemployment and Poverty Eradication (SC-LSUPE) chaired by Honourable Samuel Nuuyoma (the then Khomas Regional Governor). This subcommittee of the National Project Formulation Project (NPFF) guided the formulation of projects that aim to address unemployment, poverty, food insecurity, skills deficit and unemployment. The NPFF was finally submitted to Cabinet in 2013.

During the year under review, the Business Development Division carried out the following projects: the MVA Fund Stakeholders Survey (value of N\$ 1, 499, 998. 00), the Greenwich University ACP Conference (value of N\$ 356,684. 50) and the Training of Domestic Workers for the Social Security Commission (value of N\$ 1,000,000.00).

CAPACITY BUILDING AND TRAINING DIVISION (CBTD)

The main objective of the Capacity Building and Training Division (CBTD) is to work with internal and external stakeholders, providing coordination and technical support to registered service providers that aim to increase access to post-secondary education for school leavers. The CBTD further offers tailor-made short courses.

The division is spearheading the National Integrated Technical Access Programme (NITAP). This Programme is

HIGHLIGHTS 2013





INDIA DONATES N\$48 MILLION TO ENGINEERING FACULTY

The Indian Government made a donation of N\$48 million for the construction of the Mining and Information Technology departments as well as the Information Centre at the Faculty of Engineering and Information. India will still give another amount at the completion of the facility in mid November 2013.

Handing over the donation to UNAM Vice Chancellor Prof Lazarus Hangula, India's High Commissioner to Namibia, Satya Mann, noted the true wealth of a country was its people. He noted that India committed itself to funding part of the Engineering Faculty's infrastructural development during President Hifikepunye Pohamba's visit to the Asian country in March 2009. He noted that over 150 Namibians are studying in India in almost all fields, with the exception of medicine. The Indian diplomat further noted that his government was fully sponsoring a Pan African E-Net project, under which twelve universities of his country are linked to various African universities. African doctors also have the opportunity to collaborate with Indian medical experts through the same platform.



PRIME MINISTER INAUGURATES PHARMACY WING AT FACULTY OF HEALTH SCIENCES

The wave of expansion at our nation's main "Think Tank", the University of Namibia, continues as the Pharmacy building was officially inaugurated by Prime Minister Hage Geingob at the UNAM Faculty of Health Sciences.

The Prime Minister, in his keynote address, said the Faculty is not just another symbol of the strides Namibia has made; it also signals the intent of our leaders, both in Government and the Academia to propel this country towards a future of prosperity and development. "I therefore welcome the efforts of the Vice-Chancellor, the Minister of Health, and the Minister of Education for their efforts, and their foresight in expanding the programme. He also thanked the Board, and the staff of the Faculty for their commitment and effort."

The cheerful Prime Minister described the development as a "double achievement because we are not only celebrating the expansion of the Faculty of Health Sciences, but equally important, we are inaugurating our country's first School of Pharmacy", he explained. These two events are major milestones in the history of our nation's health sector.

steered towards the development of learners' skills while improving and/or increasing their educational levels. As such it carries the educational aspirations of all Namibians and aims to address issues of regional imbalances; access to tertiary institutions and employment among the Namibian youth.

During the year under review, the CBTD carried out the following projects: an I-TECH/Child HIV and AIDS Disclosure Study (value of N\$ 245,773. 01), a Continuous Professional Development programmes on Text Book Management and Utilization (value of N\$ 196, 334. 67) and the Development of a Knowledge Management Framework for the Electricity Control Board (value of N\$ 152, 500.00).

INFORMATION COMMUNICATION TECHNOLOGY ACADEMY (ICT)

The mandate of the ICT Academy is to train candidates in the field of information communication technology. It is streamlined to conduct international certifications in the field of ICT and serves as a Cisco Academy, International Computer Driving License (ICDL), CompTIA.

In line with the Namibian ITC Policies, the regionalisation strategy of the ICT-Academy is aimed at enhancing a knowledge-based economy to ensure sustainable economic growth and high quality of life by 2030. This strategy has been revised during 2013 and is now targeted at four sites in Rundu, Katima Mulilo, Ongwediva and Gobabis where UNAM has a presence, either in the form of campuses, or a regional centre.

During the year under review, the ICT Academy offered the following ICT courses: CCNA1 to the General Public (value of N\$ 74, 550.00), CCNA2 to the General Public (value of N\$ 42,600.00), CCNA to Telecom staff members ((value of N\$ 181, 500.00), and Computer Literacy training to the Ministry of Education (value of N\$ 214,320.04).

CONSULTANCY DIVISION (CD)

The Consultancy Division accords high priority to the management of consultancy research and project implementation across a broad spectrum of specialised fields based on nine integrated Programmes earlier approved by the UNAM Council. These areas include rural and urban research development; information technology planning and design; infrastructural development and civil engineering; agricultural food processing and biotechnology; education and human resources and development; economic and financial development; entrepreneurial and industrial development; health and medical science; as well as natural resources, land use and environmental issues.

During the year under review, the division undertook the Quality Teaching and Learning Programme for the implementation of the SMASE model for training (value of N\$300,000-00).

The Consultancy Division further continued with the English Language Proficiency Program (ELPP). This 5-year project, with a total value of N\$46m, started in October 2010. Since its inception, the project is running smoothly and various tests were conducted at different phases.

EMPLOYEE TRAINING AND DEVELOPMENT

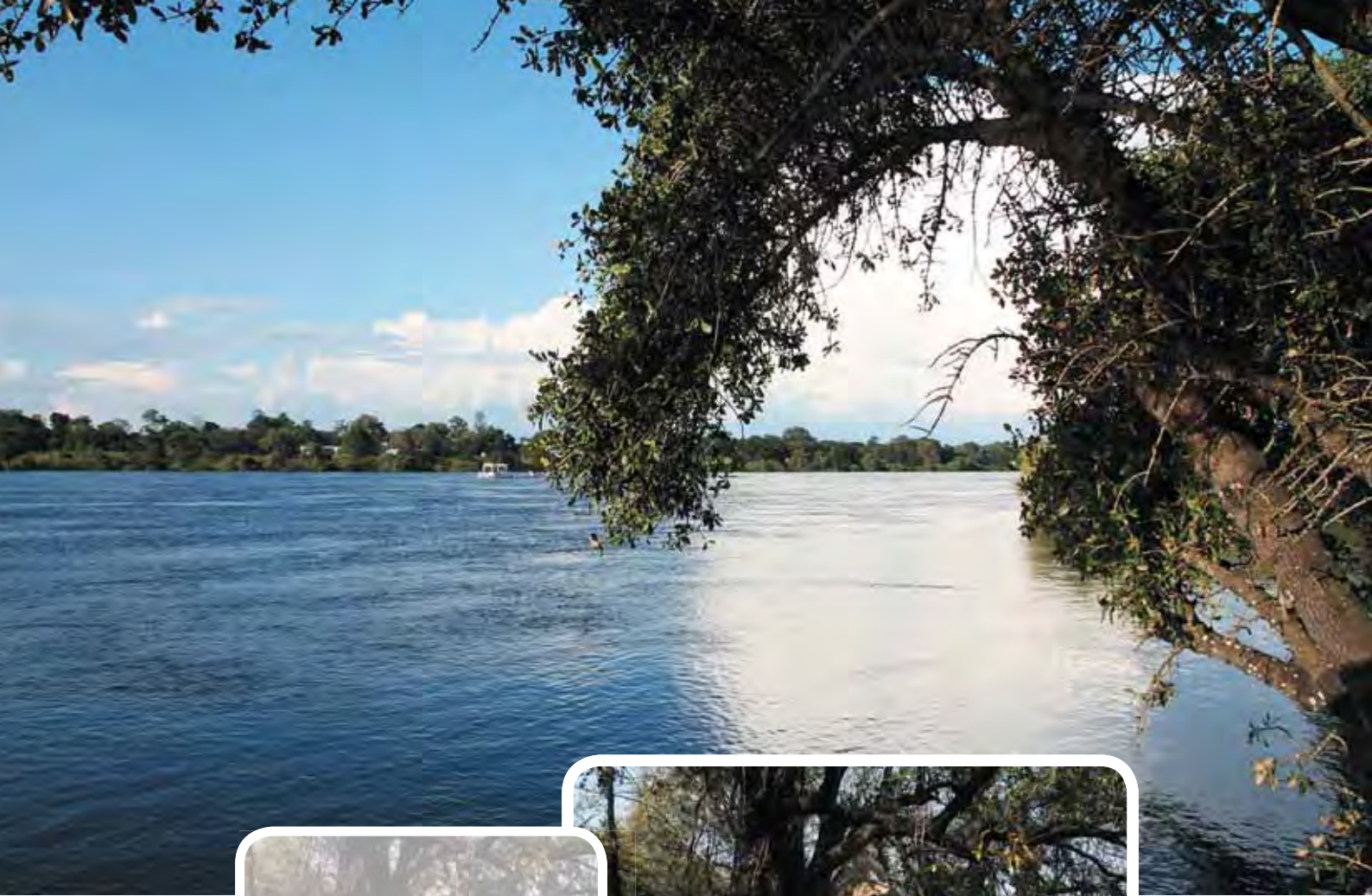
The Bureau continuously provides training opportunities to its employees, not only in their respective technical fields, but also in the development of their professional skills and leadership competencies through a combination of challenging job experiences and skills coaching. As a result, they become sought-after staff and during the period under review, UCCB has lost ten of these well-trained employees in project management, proposal writing, lobbying, project registration, and monitoring and evaluation to other units within the University as well as external companies.

STUDENT INTERNSHIPS

The effectiveness of any team depends on the strengths and weakness of all the individuals that form that team. As such, UCCB places team building and multi-disciplinary learning at the core of its development. In that

view, UCCB offers internship programmes to UNAM students based on merit and advice from their respective lecturers. This core objective is aimed at creating a team that is well balanced and efficient.

Under its student intern program, UCCB has selected eight prominent and diligent students from various faculties, with specialties that will complement the UCCB team. This noble initiative, serve to aid students, by exposing them to the working environment, while they are busy pursuing their studies. It also validates that UCCB is not only a cost-centre unit, but also serve as an institution of learning that prepare students to the market-world.



The Katima Mulilo Campus rests on the banks of the mighty Zambezi River, where Namibia borders Angola, Zambia, Botswana and Zimbabwe in one region.

GENERAL REVIEW

The unqualified audited opinion of the financial statements reflected that the year under review ended with a total deficit of N\$75.3 million. However, at year end, the Statement of Financial Position reflected a positive cash flow and bank balance of N\$167.7 million in comparison to the N\$107.3 million to start with operations in 2013 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\$60.4 million.

Council should note that provisions for post-retirement benefits as well as severance pay are still a matter of concern as it is recorded as an accumulated liability of N\$286.3 million. It raises long-term concerns for the University of Namibia, since these provisions increased with N\$39.1 million for the year under review. Depreciation recorded as non-cash items contributed N\$15 million towards the year-end deficit as only N\$30 million was budgeted for. Library books contributed N\$8.6 million, as it is not capitalized anymore due to the assets cut-off classification amount of N\$2 500.

The University of Namibia experienced tremendous student growth over the past years and therefore the University invested substantially in physical infrastructure and equipment, which resulted in the fact that the total non-current assets are valued at N\$2.042 billion. The assets increased with N\$177 million, of which Government contributed N\$145 million. 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 2013 financial year, Government subvention for operational expenses amounted to N\$570.4 million, the same amount as the 2012 financial year. It is also necessary to mention that the student fee resources and charges of the University increased with N\$39.5 million, which represents a 17.3% 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\$187.3 million in 2012 to N\$220.1 million in 2013. The total revenue for the year under review represented an amount of N\$878.1 million.

Expenditure

The total expenditure for the year under review amounted to N\$953.4 million. Employment costs amounted to N\$654 million, excluding provisions for retirement benefits and accounted for 68.6% of total expenditure and 74.4% of total revenue. Employment costs will always remain the main expenditure category due to the nature of the University operations. Administration and other costs amounted to N\$299.5 million, which represents 31.4% of the total expenditure including depreciation and financial required provisions.

Revenue and Expenditure Statement for the years ended 31 December 2012 and 2013

	2012	2013
REVENUE	829 066 000	878 137 000
Subsidies	570 489 000	570 487 000
Tuition fees	187 336 000	220 197 000
Hostel fees	19 398 000	23 610 000
Meal fees	20 898 000	23 367 000
Capital Grant from deferred revenue	17 688 000	24 776 000
Other income	13 257 000	15 700 000
EXPENDITURE	867 699 000	953 508 000
Personnel and related costs	587 668 000	654 005 000
Retirement benefits obligation	35 181 000	39 123 000
Administrative costs	197 505 000	214 962 000
Depreciation, amortisation and impairments	46 907 000	45 400 000
Finance costs	9 000	18 000
Fair value adjustments	429 000	-
Deficit/Surplus for the year	(38 633 000)	(75 371 000)

Events after the reporting period

No material subsequent events which required disclosure have been identified.

Figure 1: Revenue for 2013

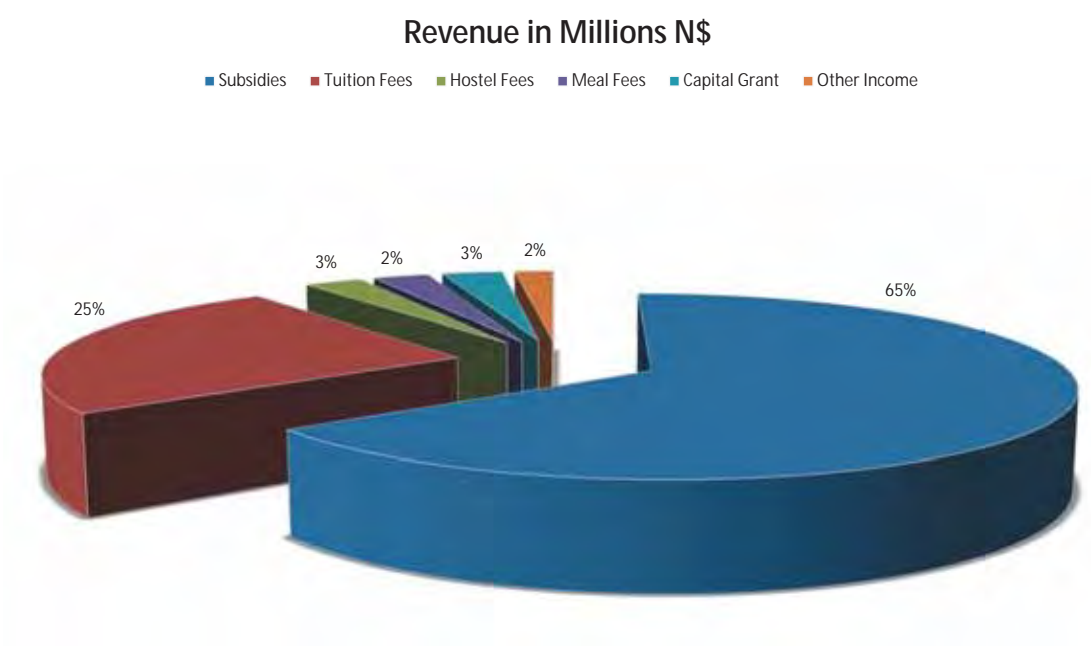
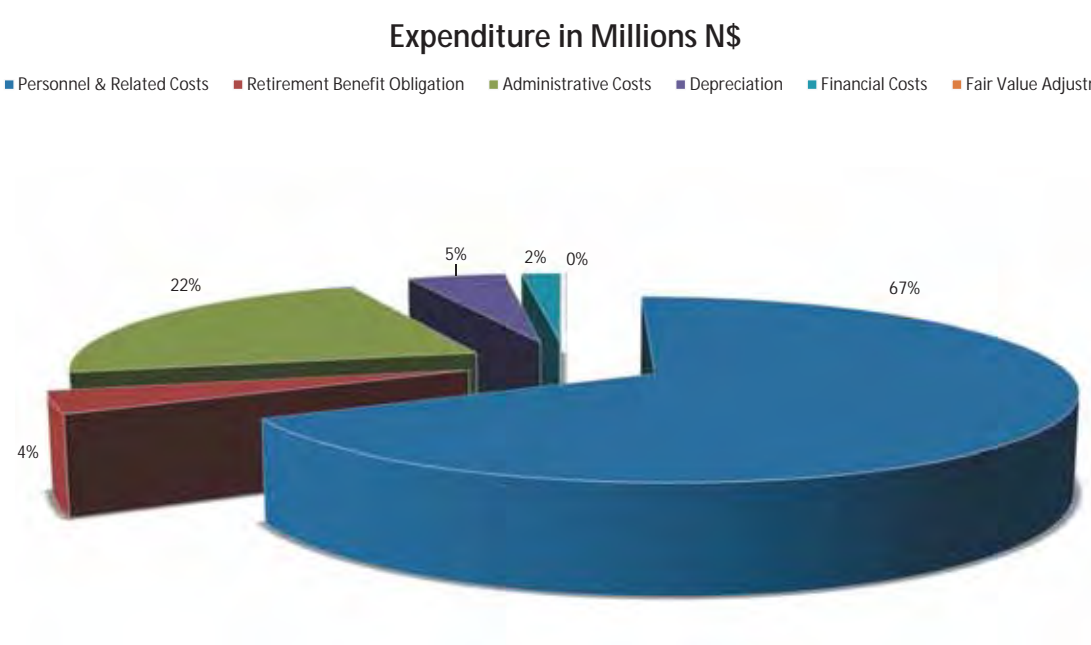


Figure 2: Expenditure for 2013





Fisheries and Aquatic Sciences students undertook most practicals at the coastal towns of Swakopmund and Walvis Bay as well as at laboratories on campus.

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)

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 Erica 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

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