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FOREWORD

Dr Saleem Badat

Rhodes University has positioned itself as a research university that, alongside excellence in undergraduate teaching, also takes scholarship seriously. This has strongly shaped the intellectual identity of the university and, today, research income and expenditure are significant components of the university’s finances.

Rhodes University values the scholar-teacher model of combining research with teaching and learning, and other scholarly activities. This has a strong influence on the quality of intellectual endeavour at the university, and is critical in advancing the university’s pursuit of a strong postgraduate trajectory.

This is an opportunity to briefly reflect on research at Rhodes over the eight years of my Vice-Chancellorship. It is gratifying to see that scholarship and publishing has continued to blossom at Rhodes, and has also occurred over a wider academic base, and that there has also been an increased enrolment of postgraduates, as part of overall University strategy.

Postgraduate enrolments increased from 24% (1 397) in 2006 to 30% (2 302) in 2013, with considerable increases in the numbers of Masters and Doctoral students. Between 2006 and 2013, Honours and Postgraduate Optima graduates increased from 453 to 718. Masters graduates increased by 73% (from 171 to 296) and Doctoral graduates by 78% (from 48 to 70). Concomitantly, there was an increase in the numbers of black and women PhD graduates. The number of Postdoctoral Fellows at Rhodes rose from 19 in 2007 to 68 in 2013, an increase of 258%.

Research output in the Humanities and Education Faculties have more than doubled in the past six years that we have been tracking and benchmarking research, and Science and Commerce have seen healthy growth. This has improved somewhat the balance of the contribution of different faculties to research output in the university. The percentage output of the still dominant Science Faculty has decreased from 61% to 51%, with greater contributions by Humanities (from 19% to 27%) and Education (from 8% to 10%).

The research output per capita, as measured by the Department of Higher Education and Training (DHET), rose from 1.30 units in 2006 to 2.56 units in 2013. Accredited journal output rose from 248.5 units in 2006 to 405.5 units in 2013, an increase of 63%. Coupled with Rhodes’s high volume of accredited journal output in relation to its size, a very pleasing measure of quality is that 87% of journal output (the highest proportion of universities in the sector) appeared in international accredited journals by 2013, as opposed to 78% in 2006.

Staff with PhD qualifications at Rhodes (as calculated by the DHET) rose from 43% in 2006 to 57% in 2013, amongst the highest in South Africa.

Especially pleasing is to see the increases in publications and graduations in areas in which we have invested seed funding to cultivate new and promising initiatives, notably through the Sandisa Imbewu funding requested with the support of the University Council from the Rhodes Board of Governors, the Andrew W. Mellon Foundation Focus Area grants in the Arts and Humanities, and the VC’s Discretionary Fund.

Third stream income from external research and consultancy increased significantly between 2006 and 2013: from R87.6 million to R219 million - a rise over the period of 150%.

There was also increasing support for financially needy Postgraduate students. Between 2006 and 2013, postgraduate financial aid increased from...
R24.6 million to R35.8 million: R8.6 million from University Council funds; R7.8 million from University-administered donor funds and R19.3 million from funds raised from external donors.

Mention must also be made of the University’s significant R75 million investment in a new library, with a special Research Commons funded by Carnegie Corporation for senior postgraduates and academics, followed by the establishment of a Postgraduate Commons. Librarians were sent to the United States to receive special training through a Carnegie Corporation funded programme.

Individual academics continue to enhance the reputation of the university considerably. At a glittering event in Port Elizabeth on 27 August 2013, the NRF Life Time Achievement Award for 2013 was announced. This went to Distinguished Professor Tebello Nyokong, and is the latest in the long line of awards that have recognized this outstanding researcher, who has done so much to raise the intellectual standing of Rhodes, South Africa, and Africa. We are immensely proud to have a scholar of her calibre at Rhodes University.

Many other academics attracted accolades in the past year. They include Distinguished Professor Christopher McQuaid, who received the Gold Medal of the National Zoological Society, and Professor Andrew Bucliand, who received a “Standing ovation Award” at the 2013 Standard Bank/National Arts Festival Ovation Awards for his decades of contribution to the performing arts as a performer and educator.

The Vice-Chancellor’s Distinguished Senior Research Award for 2013 went to Martin Hill, Professor of Entomology. Professor Hill made history by also winning the Vice-Chancellor’s Distinguished Community Engagement Medal, the first time at Rhodes that one individual has been awarded two VC’s Distinguished Awards in the same year. Those familiar with the work of Professor Hill will concur that both awards were richly deserved.

Jenn Snowball, Professor of Economics, won the Vice-Chancellor’s Distinguished Research Award 40 and under in age for 2013, while anthropologist Dr Patricia Henderson received the Vice-Chancellor’s Book Award for 2013, for her book, A Kinship of Bones: AIDS, Intimacy and Care in Rural KwaZulu-Natal (UKZN Press 2012, and Amsterdam University Press 2011).

There continue to be some challenges in the research domain. Chief amongst these are:

1. The University’s research performance rests heavily on a relatively small group of very high productivity researchers. While we have been able to broaden this high productivity group over the past eight years, there is much room for improvement.

2. Increasing the proportion of academic staff with PhD qualifications. Although amongst the best in the country at 57%, a PhD qualification is one of the key facilitators of enhanced research and publishing and postgraduate supervision capacity.

3. The highly skewed demographics of the academic staff body, ranging from 38% black at the Lecturer level, to only 13% black at the Professor and Associate Professor levels.

4. Mobilisation of greater funding to support young emerging scholars and Postgraduate students.

It has been most gratifying these past eight years to have had the opportunity to contribute to a university like Rhodes University, and to harness the value of scholarship to further enhance Rhodes’ national and international contribution to new knowledge production and the cultivation of outstanding Postgraduates.

None of the achievements of Rhodes University would have been possible without the intellects and scholarship of committed academics, technical and administrative support staff across the university, and Postgraduate students and Post-doctoral Fellows. A special word of thanks must be extended to the Deputy Vice-Chancellor, Dr Peter Clayton, for his leadership and tireless efforts in helping Rhodes to pursue its postgraduate and research trajectory, and register all these wonderful achievements. He has been very ably supported by the Director of Research, Ms Jaine Roberts, and a great team in the Research Office.

I have every confidence that Rhodes will continue to be a special and distinctive intellectual space under the leadership of my successor, Dr Siwe Mabizela, who himself contributed wonderful support over the years to Rhodes’ research endeavours.
INTRODUCTION

Dr Peter Clayton

Rhodes University continued to show a gratifying and steady increase in overall accredited research outputs in 2013. Overall weighted accredited units increased to 874.35 (a 15% increase on 2012).

In the latest DHET Ministerial Report on National Research Outputs, Rhodes University is listed as having the third most favourable research output rate per capita in the South African university system (the accepted norm for measuring efficiency of investment in the research domain), and amongst the highest percentage of academic staff with PhDs (57%). Other studies show that Rhodes has the top PhD graduation rate of South African Universities, and very good postgraduate throughput rates overall.

52% of the accredited outputs in 2013 were due to publications, 24% to PhD graduations, and 24% to Masters graduations by thesis. The PhD contribution represented a record year, and an 11% increase over the previous record number graduating the preceding year. The Masters contribution represented a significant new record, 29% up on the preceding year’s figure.

Our journal output, which accounts for 89% of our total accredited publishing output for higher education subsidy purposes, grew by 15.7% from the 2012 level (to 405.49 units in 2013). The previous year has seen a 13% increase in this category. Coupled with Rhodes’s high volume of accredited journal outputs in relation to its size, a very pleasing quality measure is that 87% of journal outputs (by far the highest proportion of universities in the sector) appeared in international accredited journals, another feature of Rhodes University that drew comment in the DHET Ministerial Report.
Our output from accredited conference proceedings, which in 2013 amounted to 6% of our total accredited publishing output, grew by 20% to 28.69 units - from a small base where year-on-year variance in either direction is common (the previous year had seen a slight decline in this category).

Book outputs (which in 2013 amounted to 5% of our total accredited publishing output) decreased by 41% - again from a small base where year-on-year variance is expected (moving down to 20.17 units). This category had seen a positive growth of 38% in the previous year.

Accredited publications overall rose by 11% to 454.35 units - in terms of CESM categories, Life and Physical Sciences still make by far the highest contribution to subsidy attracting publications at Rhodes University, together contributing 51% of accredited publications, indicating a sector of particular research strength at the university. Rhodes retained its overall national publication share of 3.2% of the Higher Education System.

I add my warm thanks and congratulations to all of our researchers, funders, collaborators and partners who contributed to the excellent accredited research results of 2013, as well as generated the many forms of scholarship that are not counted in the accreditation exercise, but which contribute much to the rich intellectual space that is Rhodes.

I also thank all of the administrators who played a critical role in supporting research, and in preparing the university’s meticulous audited submission.
Rhodes University acknowledges and congratulates the following for their accredited research outputs (Journal Publications, Books & Chapters, and Masters/Doctoral students graduated) in 2013:

1. Distinguished Professor Tebello Nyokong
   Department of Chemistry

2. Professor Nelson Torte
   Department of Chemistry

3. Dr Edith Antunes
   Department of Chemistry

4. Associate Professor Barry Irwin
   Department of Computer Science

5. Distinguished Professor Christopher McQuaid
   Department of Zoology & Entomology

6. Professor Laurence Jama
   Faculty of Law

7. Professor Marc Schaffer
   Department of Education

8. Associate Professor Kirk Helliker
   Department of Sociology

9. Associate Professor Ruth Simbae
   Department of Fine Arts

10. Professor Neville Craven
    Department of Education

11. Professor Richard Foss
    Department of Computer Science

12. Professor William Froneman
    Department of Zoology & Entomology

13. Professor Hella Loti-Siftika
    Environmental Learning Research Centre

14. Professor Christina Baughan
    CHERTL Centre for Higher Education, Research, Teaching & Learning

15. Professor Herman Wasserman
    School of Journalism & Media Studies

16. Professor Rosemary Dorrington
    Department of Biochemistry, Microbiology & Biotechnology

17. Professor Mike Mandis
    Department of English

18. Professor Martin Hill
    Department of Zoology & Entomology

19. Associate Professor Simon McKenna
    CHERTL Centre for Higher Education, Research, Teaching & Learning

20. Professor Rod Walker
    Faculty of Pharmacy

21. Professor Cathlene Mackay
    Department of Psychology

22. Professor Louise Vincent
    Department of Political International Studies

23. Professor Tally Palmer
    IWR Institute for Water Research

24. Professor Denis Hughes
    IWR Institute for Water Research

25. Dr Candace Christlie
    Department of Human Kinetics and Ergonomics

26. Associate Professor Michael Drewett
    Department of Sociology

27. Professor Nigel Barker
    Department of Botany

28. Dr Adrienne Edkins
    Department of Biochemistry, Microbiology & Biotechnology

29. Mr Ferdi Botha
    Department of Economics and Economic History

30. Professor Fred Hendricks
    Faculty of Humanities
PhD Graduates

FACULTY OF COMMERCE
Doctor of Philosophy


FACULTY OF EDUCATION
Degree of Doctor of Philosophy


KETHRO, Philippa. (Centre for Higher Education Research, Teaching and Learning). Pedagogical ways-of-knowing design meaning in the design studio. Supervisor: Professor S McKenna.

LAYTON, Delia Melanie. (Centre for Higher Education Research, Teaching and Learning). A social realist account of the tutorial system at the University of Johannesburg. Supervisor: Professor S McKenna.


FACULTY OF HUMANITIES
Degree of Doctor of Philosophy
CAMPBELL, Megan Michelle. (Psychology). The adaptation of the clinical outcomes in routine evaluation - outcome measure (CORE-OM) from English into a valid Xhosa measure of distress. Supervisor: Dr C Young.


SCHUDEL, Ingrid J aan. (Education). Examining emergent active learning processes as transformative praxis: The case of the schools and sustainability professional development programme. Supervisor: Professor H Lotz-Sisitka.


SCHUDEL, Ingrid J aan. (Education). Examining emergent active learning processes as transformative praxis: The case of the schools and sustainability professional development programme. Supervisor: Professor H Lotz-Sisitka.
MAWEU, Jacinta Mwende. (Journalism and Media Studies). An investigation into how journalists experience economic and political pressures on their ethical decisions at the nation media group in Kenya. Supervisor: Professor H Wasserman.

MUCHINCHI, Christopher Bryden. (Political and International Studies). Green Zone Nation: The securitisation and militarisation of the 2010 World Cup, South Africa. Supervisor: Professor LD Vincent.


OOSTHUYSEN, Jacobus Christiaan. (School of Languages). A critical analysis of the grammar of isiXhosa as used in the Revised Union version of the Bible. Supervisor: Professor R Kaschula. Co-supervisor: Dr P Maseko.


FACULTY OF LAW Degree of Doctor of Philosophy


FACULTY OF PHARMACY Degree of Doctor of Pharmacy

LANCASTER, Ruth Alison. B.Pharm. (Rhodes)

faculties/07-01.png

HARI KRISHNAN, Ramesh Kannan. (Environmental Science). Invasion of Lantana into India: analysing introduction, spread, human adaptations and management. Supervisor: Professor C Shackleton.


MOTLATSE, Seipho. (Chemistry). Distinguished Professor T Nyokong.


MOYO, Buhle. (Biochemistry, Microbiology and Biotechnology). The screening and characterization of compounds for modulation of heat shock protein Hsp90 in a breast cancer cell model. Supervisors: Professor GL Blatch, Dr AL Edkins.

MUTAMBA, Manyevo. (Environmental Science). Rural livelihoods, forest products and poverty alleviation: the role of markets. Supervisor: Professor C Shackleton.

MUTAMBA, Manyevo. (Environmental Science). Rural livelihoods, forest products and poverty alleviation: the role of markets. Supervisor: Professor C Shackleton.


O'BRIEN, John. (Zoology and Entomology). The ecology and management of the large carnivore guild on Shamwari Game Reserve, Eastern Cape, South Africa. Supervisor: Professor RTF Bernard.

OKEWOLE, Adeleye Ishola. (Chemistry). Application of bidentate N,N'-donor extractants as the hydrometallurgical separation of base metals from an acidic sulphate medium. Supervisor: Dr Z Botha.

ONDIGO, Dezzline Adhiambo. (Chemistry). Polymer based electrospun nanofibres as diagnostic probes for the detection of trace metal ions in water. Supervisor: Professor K Turro.


TIRIVAROMBO, Sithabile. (Institute for Water Research). Climate variability and climate change in water resources management of the Zambezi River Basin. Supervisor: Professor DA Hughes.


ZUGLE, Ruphino. (Chemistry). Phototransformation of pollutants using lanthanum and zinc phthalocyanines anchored on electrospun polymer fibres. Supervisor: Distinguished Professor T Nyokong.
Professor Martin Hill releasing a new biological agent, Eccritotarsus catarinensis on water hyacinth in Democratic Republic of Congo

Their research has two main focus areas. First, the biological control of invasive alien aquatic plant species, which looks most notably at aquatic weeds that threaten the quality and quantity of potable water in southern Africa, and second, the biological and integrated control of insect pests, in particular those threatening the supply of fruit and vegetables in the peri-urban sector in the Eastern Cape.

Water Weeds

Under Professor Hill’s stewardship the Department of Entomology and Zoology has built up an excellent body of research on the five major floating aquatic weeds in South Africa (water hyacinth, parrot’s feather, salvinia, water lettuce and red water fern). This research has been crucial in conserving the country’s water resources which are under threat not only only through exploitation and pollution...
but also due to biotic invasion. Water weeds destroy aquatic ecosystems, choke up waterways and cost South Africa millions of Rands each year to control. Aquatic weeds also contribute to the spread of waterborne, water-based and water-related diseases. However, Professor Hill’s dedication to the implementation of ‘good fundamental science’ has meant tremendous success in controlling and suppressing these weeds in the country’s waterways. This research has also given rise to a new focus area: the biological control of submerged aquatic weeds, particularly spiked water-milfoil (Myriophyllum spicatum) and emerging weeds such as arrowhead (Sagittaria platyphylla) and dense waterweed (Egeria densa). As Professor Hill explains: “We’ve noticed that once we have control of the floating weeds, we’ve got considerable amounts of submerged invasive weeds invading and our research now needs to focus on how to deal with them. So what we are looking at in terms of the submerged weeds is what drives them and why have we not seen them before? Is it because they’ve been excluded by the floating weeds? We’ve shown very clearly that in order for a weed to establish it has to jump through a whole series of hoops and the first is how it gets here.”

Research done by one of Professor Hill and Dr Janne Coetee’s PhD students, Grant Martin, revealed that the aquarium industry is a significant driving force in the spread of these weeds, with people becoming increasingly interested in growing these invasive plant species in their fish tanks where they soon establish themselves as part of South Africa’s aquatic ecosystem. Professor Hill and his team are then faced with the challenge of establishing what the underlying mechanisms are that drive invasion and the responses of these invasive plants to insect herbivory. “We know that many of our water ways are polluted with nitrates and phosphates, which act as fertilizers, and so we have to establish whether or not these weeds are responding to that. We also need to find out how they interact with our indigenous flora and ultimately whether or not we can find biological control agents that will control and suppress them. We’ve had tremendous success with the floating ones but it is a whole different ball game now that we are going into the submerged ones and that is where our research is taking us now: an understanding of the underlying mechanisms of what drives the invasion and then establishing whether or not we can use this understanding to control the invasion.”

Professor Martin Hill showing fishermen in the Democratic Republic of Congo the biological control agents on water hyacinth

Agricultural Entomology
Professor Hills’ other focus area is agricultural entomology where research is conducted on agricultural pests and instead of using insecticides, viruses or fungi are used as a form of biological control. One such pest is the false codling moth (Thaumatotibia leucotreta), responsible for the significant loss of citrus crops in South Africa as well as being an international quarantine pest. This is highly problematic considering the fact that South Africa’s citrus industry is one of the single largest employers in the agricultural sector. It also contributes an estimated seven billion Rand annually to the total gross value of South African agricultural production. Almost half of this revenue is generated through the exportation of citrus to Europe and the United Kingdom. However, the presence of the false codling moth (FCM) is threatening this market, as Professor Hill explains:
"False codling moth damages citrus and so we are under huge pressure from the citrus industry to try and control this pest but we are under equal pressure from the European Union (EU) to reduce the amount of pesticides we are using. So on the one hand the EU doesn’t want fruit with worms in it but on the other hand they are dictating to us what we can and can’t use to control these worms and if Europe were to close their market, the impact would be huge."

In response, he and his team have applied their minds to alternative control technologies that provide an integrated management approach to deal with this pest. They have shown that certain navel orange varieties are not as sweet to the FCM and that they prefer certain oranges to others, such as Palmer oranges over Washington oranges. Professor Hill is now able to approach growers with advice on which navel orange varieties to plant and which to avoid.

The team has also completed research on a virus known as Cryptophlebia leucotreta granulovirus (CrleGV), which lives in the digestive tract of the FCM. This virus leads to an infection which results in a reduction in appetite and eventual death. They are also using a new approach to combating the FCM known as Sterile Insect Technique (SIT). This approach is one of the major recent developments in pest management that will enable the production of high quality fruit with minimal or zero pesticide residues.

SIT involves rearing the moths on an artificial diet and then radiating and sterilizing the males. Professor Hill and his team then apply these sterilized males to the orchards at a ratio of at least ten sterile males to one wild male with the aim of the sterile males mating with the female moths. The females only mate once and then lay sterile eggs.

"However, one of the problems we are having is that in order for this technology to work, these sterile males have to be as competitive as the wild males at finding females and at flying. But what we find with the radiation is that it messes up the thermal physiology of the sterile males, so they only fly down to about 20°Celsius, below 20°Celsius and they can’t fly, whereas the wild males can fly down to about 12°Celsius. So now we see that SIT works in summer but not in winter and so we have been looking at putting anti-freeze in their diet to see if this will perhaps increase their thermal tolerance so they can fly at a much lower temperature and be as competitive as the wild males," explains Professor Hill.

While this is great news for combating the pest in the orchards, it does not help with issues in the pack house. This is why he is also excited about...
the research being done around the exportation of fruit with FCM in it, a crucial aspect of control if South Africa is to retain the European market. Professor Hill explains that while there are teams of people whose job it is to pick out fruit with the pest present, they end up missing about forty percent of affected fruit.

This is hard to prevent because of the cryptic nature of the pest, in that it lays its eggs on the outside of the orange and on hatching, the larvae bore into the orange and are impossible to detect, only becoming visible once the fruit rots and you can see the impact of the moth.

“So how do we improve that? We can’t improve the people picking it out because they are doing the best they can, so what can we do? Well, we have shown that as soon as the larvae go into the fruit the chemical smell that the fruit releases changes and the reason the orange changes is because it is an alarm signal, it is trying to attract little parasitoid wasps to come and eat that larvae. So we are now working on imitating that process with science and we want to see whether we can use these wasps as sniffer dogs in the pack house. It’s amazing.”

Another major breakthrough for the research team has come in the development of a virus to control one of the world’s most destructive pests of cabbage, the diamondback moth (Plutella xylostella). This is significant in controlling an insect pest that has the ability to develop resistance to virtually all major groups of insecticides. In Grahamstown, where roughly 100,000 cabbages are sold every week, this is particularly important as farmers frequently spray chemicals to try and protect their crops from the significant defoliation, contamination and yield loss caused by the diamondback moth.

Engaged Research

For Professor Hill it is about controlling these pests using alternative, softer, environmentally friendly technologies. It is also about changing the mindset around the use of pesticides and herbicides to control invasive aquatic weeds and insect pests. He explains that chemicals are often kept as an insurance policy costing millions of Rands a year but he argues that this is not a good approach. Instead, he proposes that the money spent on herbicides and pesticides rather be spent on research and on the mass-rearing of insects, in
The BCRG is a group consisting of Dr Julie Coetzee, Dr Jaclyn Hill and Grant Martin from the Department of Zoology and Entomology at Rhodes University. Their focus is on understanding the ecology, biology and management of invasive aquatic weeds.

Professor Hill also argues that the mass-rearing of insects in facilities across the country, such as the facility at Rhodes University, is not only affordable but also has the ability to empower local communities to manage their own resources. Ultimately, he believes that biological control technologies should go beyond the lab bench with the important goal of providing trained individuals with job opportunities within the greater Grahamstown community, as well as across South Africa. It is this approach that resulted in Professor Hill also being awarded the 2013 Vice Chancellor’s Distinguished Award for Community Engagement together with the Biological Control Research Group (BCRG). Their mass-rearing programs are run together with Working for Water, SAEON Elwandle Node, Grahamstown Area Distress Relief Association, and local Grahamstown schools.

The programs have also provided the opportunity for the employment of people with disabilities from the Grahamstown community to assist in the general maintenance of the mass-rearing facility, as well as the collection of insects for release. As Professor Hill explains:

“We’ve got a team of six disabled people who had never been introduced to insects before and within the space of a couple of months they were mass-rearing millions of these insects and I think this is something that can work really well. I think we could employ over a hundred people with disabilities and we are looking at this with our partners who have been fantastic.”

For Professor Hill, research revolves around collaboration and he argues that how you collaborate with people is significant. He is quick to acknowledge the role of colleagues, students and partners in sustaining their research and is thankful for their tremendous support.

“Our research has really taken off exponentially over the last few years and we are getting a lot of funding but we have to remember that its taxpayers’ money and we’ve got to spend it responsibly. Research has to move off the lab bench, there is too much that remains in crumbly old files or written in scientific papers that no one reads. We need to ask ourselves how we can take that research into the community, use the money entrusted to us wisely, and I think this can be done with very little effort. So I say to the research team that if they give us one million Rand, we give them two million Rand’s worth of work and that’s how we do it.”

- Laura Watermeyer

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2 The BCRG is a group consisting of Dr Julie Coetzee, Dr Jaclyn Hill and Grant Martin from the Department of Zoology and Entomology at Rhodes University. Their focus is on understanding the ecology, biology and management of invasive aquatic weeds.
Professor Snowball describes this as “curiosity-driven research”. As a result she is never bored and often finds herself immersed in her surroundings, explaining that her research is shaped by social discourse. She is also grateful that her research approach allows her the opportunity to work with a range of interesting people:

“Research partnerships are a vital part of doing good research in my areas of economics. I mostly publish with others - students and academics from Rhodes in Economics and other departments, and academics from other universities. These really rich collaborations make for good research, meaning research that is interesting and hopefully useful.”

Working in one of the most populated departments at Rhodes University, Professor Snowball’s research approach is also vital in shaping a well-rounded learning environment with many different opportunities for curious students.

“Working in a department with so many students and many different courses means that the staff have to be generalists to a certain extent because there are always students who want to study in other areas, or classes you have to teach outside of your comfort zone. Some people might see that as an irritation but I see it as a challenge.”

Teaching and Learning

This dedication to her students, as well as her long-standing curiosity about the subject, resulted in Professor Snowball publishing a research paper in 2013 that examined some of the difficulties of teaching and learning in large first-year classes:

Professor Snowball was the recipient of the Vice- Chancellor’s Distinguished Teaching Award for 2012. She was also the recipient of a National Excellence in Teaching and Learning Award from the Council on Higher Education in 2011.

"The research was motivated by my teaching Economics 1 with around 600 students, which is big for Rhodes. Many students find economics challenging, since it requires a combination of quantitative skills and the ability to apply theory to messy, real world situations through writing. So the question I was asking then, was why? Why do some students do better than others and how can we help them to learn better and develop? Is it a different kind of learning style, is it different kinds of learning activities and what can we do to encourage more students to engage with the course and to succeed rather than to fail?"

Professor Snowball was asked to be part of the Commerce Curriculum Project, funded by the Centre for Higher Education Research, Teaching and Learning (CHERTL) and initiated by the then Dean of Commerce, which aimed to radically rethink teaching and learning in Commerce.

“We asked ourselves whether the primary position of the face-to-face lecture was still useful in a modern information-technology society, especially when there tend to be very big classes and a high student to staff ratio,” explains Professor Snowball.

This question was set against a backdrop of class sizes increasing more quickly than teaching and learning resources, a recent trend across universities. This creates a particular set of challenges both for teachers and learners, compounded by the increasing diversity of the student body in terms of socio-economic background, learning styles and English-language ability, for example.

In an attempt to overcome these challenges, Professor Snowball undertook research with Educational Technologist, Markus Mostert from CHERTL, to explore the ways in which traditional face-to-face teaching methods, such as lectures and tutorials, can be combined with online teaching and learning activities to create a blended and more impactful learning environment. A particular focus fell on the role of peer assessment, which is thought to be important in developing active and independent learners, as Professor Snowball explains:

“In first year, peer assessment is more about helping students to critically evaluate their own work, rather than about the mark that is generated. Research has shown that what students really get out of this process is the change in mindset from student to marker. When you assess the work of others, engage with the assessment criteria and try to offer advice on how to improve, you also look at your own work differently.”

Although the potential value of peer assessment has been well documented in the literature, this process is hindered by larger and more diverse learning environments in which formative peer assessment becomes laborious. This is due to the associated administrative burden and issues around the management of anonymity and intellectual ownership, making the option of peer assessment less attractive.

Working with Markus Mostert, Professor Snowball aimed to provide a potential solution to this problem through the use of information and communication technologies to automate the logistics associated with peer assessment in a time-efficient way. The study also found that this approach not only addressed many of the practical challenges associated with paper-based peer assessments, but also provided a range of additional options for enhancing validity and reliability of peer assessments that would not be possible with paper-based systems.8

Cultural Economics

With Emeritus Professor Geoff Antrobus, Professor Snowball has also been involved a wide range of research around the National Arts Festival (NAF)
held annually in Grahamstown, with much of her research focused on the production and consumption of the arts and arts festivals in particular. While this ensures that her research retains local relevance and impact, Snowball is also able to situate her research efforts within a broader national and international arena.

Her most recent research looked at the relationship between arts and sports, and asked the question of whether or not arts events are a good way of augmenting the economic impact of sport. Professor Snowball posed this question against the backdrop of the 2010 FIFA World Cup and the NAF, which was held earlier than usual to coincide with World Cup matches being held at Nelson Mandela Stadium in Port Elizabeth. The NAF was also extended to 15 days from the usual 10.

"I have been doing work with the Festival around demonstrating their value in various kinds of ways for many years, and so the fact that they moved the Festival to coincide with the FIFA World Cup really interested me because I am a huge festival-goer and I am very keen on arts festivals in general, so it is very interesting to me to find out how they work and to link that to what is happening internationally," explains Professor Snowball.

"This question then arose from an international debate around whether or not arts and sports are similar in the sense that they both provide leisure, are experienced live in a stadium or theatre with other people, generate emotional experiences and so on. There is a lot of outside funding for sport and art is almost like the poor cousin, so the question was whether or not we could somehow link big sporting events to arts events."

Professor Snowball argues that for this theory to succeed however, sports and arts would need to attract the same kinds of audiences and that there would need to be at least some overlap between the demographics of sports and arts audiences. While results showed that some overlap did in fact exist, there also appeared to be some competition for audiences, especially during major events, as Professor Snowball explains:

"As tickets for the World Cup were relatively expensive, it automatically meant that you were only really going to get higher income groups attending, which often correlates with higher education groups and this is exactly the kind of demographic that usually comes to arts festivals. However, we really didn’t find that many people at the Festival who said yes, I am also a soccer fan and definitely want to go and watch the soccer. In fact, we found that most people actually found it more irritating because they wanted to go and watch the soccer even though they might not necessarily be a soccer supporter but instead they had to choose between the NAF and the World Cup."

According to Professor Snowball, "the findings may have policy implications with regard to returns on spending on the staging and upgrading of cultural attractions in countries hosting mega-sports events."

Non-market valuation

While her research around arts and sports arose from a very specific research question, her research into art festivals is typically around non-market valuation, "finding ways of valuing things that are not sold in the market, so that informed decisions about public and private funding can be made," explains Professor Snowball.

"Most of what I do is around culture and heritage. There has been a tendency to focus on producing only economic impact studies, in other words to look at spending, income earned, job creation etc. as a measure of value, but this can be worked out for any firm. The NAF is different because it produces benefits for society that are not purely private goods. What comes out of the NAF is new thinking, different ways of looking at the world, political criticism, intercultural relationships, citizenship issues and more. So if you really want to make a good case..."
for more funding, that’s what you’ve got to look at and I became very interested in how you quantify these things.”

Professor Snowball’s research relies on a number of non-market valuation methods such as willingness to pay and choice experiments, to quantify at least some of these non-market values.

“This is particularly important for Grahamstown because the NAF has such a big effect and it is not only a monetary effect but also socio-economic and cultural effects. The recent studies we did tested for the non-market benefits for producers and consumers and all kinds of interesting things came out. People said they were more likely to try new things, more likely to talk to people from other cultures and race groups, more likely to think through things and to have a kind of cathartic experience,” reveals Professor Snowball.

Her research also revealed that while most producers hope to cover their costs, the majority do not make a profit from their performances. When asked why they still chose to attend the NAF, they responded by saying that it was more important to them to develop their art.

“There are about forty international talent scouts who come to the festival every year and so it also becomes a place for South African producers to be seen and a place for them to measure themselves against other performers, to get new ideas and to make new partnerships. All of this turned out to be far more important to them than just making a box office profit. In a normal market you would say that if a firm is not breaking even they should rather stop supplying but that doesn’t happen at the NAF at all. Understanding these kinds of things is really important in terms of the sustainability of the NAF and in securing funding and sponsorship.”

Special research program
Professor Snowball is also involved with a special research program, The Environmental and Natural Resource Economics in the Eastern Cape Research Focus Area (ENREFA), which is housed in the Department of Economics and Economic History at Rhodes University.

Professor Snowball, together with Professor Gavin Fraser, provide a number of research degree opportunities in Environmental and Natural Resource Economics and had two PhD and three Masters students enrolled in this special focus area for 2013.

The motivation behind ENREFA is that South Africa has an extremely diverse environment, including one of the three globally recognised biodiversity hotspots. However, South Africa also has a high incidence of poverty and inequality, along with a lack of human resources in the environmental and natural resource management arena.

The research methods used focus on the interface between environmental, ecological, resource and institutional economics, as a way of managing natural resources sustainably. Specific topics within the research focus area are policy-relevant and include environment, ecological and natural resources, agriculture and sustainable development, with a specific focus on water management and allocation.

The program has been funded by Rhodes University until the end of 2015. It has also attracted funding from the National Research Foundation that will allow registration of three more postgraduate students in 2015.

It is clear that Professor Snowball’s quest for knowledge takes her in many different directions, resulting in a wide range of research interests that impact locally and further afield. It is this inherent curiosity that saw her described as “an asset to the research community”, “a true inspiration to many” and “an exceptional and worthy nominee” by peer reviewers for the Vice-Chancellor’s Distinguished Research Award for 2013, securing her reputation as an outstanding young staff member at the University.

- Laura Watermeyer

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\* Professor Gavin Fraser is the Head of the Economics and Economic History Department at Rhodes University.

\* The NRF is a government agency that promotes and supports research in all fields of knowledge.
From 2003–2006, Dr Henderson, a Senior Lecturer in the Anthropology Department, documented people’s experiences of living with and alongside HIV/AIDS in Okhahlamba, a rural mountainous region that traces the Northern Drakensberg in the South African province of KwaZulu-Natal. The outcome is an illuminating study that recounts the ways in which rural people came to draw on local cultural repertoires in the face of death and mourning when the state had not yet committed itself to the provision of antiretroviral therapy (ARVs).

The book then moves on to a time when treatment became accessible and in Dr Henderson’s own words, “charts a social process in which layering of grief and mourning was mitigated by hope and survival.” In a stretch of literature dealing with the HIV/AIDS epidemic, most of which documents the statistical preponderance of the illness, the heavily politicized access to ARVs and the malaise of the public health system, Dr Henderson’s book provides, as one reviewer writes, “a microcosm of human experience.”

This reviewer goes on to refer to Dr Henderson’s work as a “beautiful, messy-with-life book”, and notes that “there is something astute, fierce and intimate that we take away from reading A Kinship of Bones—like touching and being touched, we see and care about people in a different way.”

Vice-Chancellor’s Book Award

A Kinship of Bones: AIDS, intimacy and care in rural KwaZulu-Natal by Dr Patricia Henderson

The Vice-Chancellor’s Book Award seeks to identify a recent book published by a staff member whose research advances knowledge and understanding of the natural and social world, and brings undoubted credit to Rhodes University by virtue of the contribution it makes to scholarly literature.

Dr Patricia Henderson’s book, A Kinship of Bones: AIDS, intimacy and care in rural KwaZulu-Natal, has been chosen as the recipient of this award as a result of her outstanding writing and contribution to knowledge. To quote a nominating colleague, “the incredible detail in this book makes it a worthy recipient of the award, for Dr Henderson presents anthropological fieldwork as its finest, indicating the intricacies of everyday life and stepping back to explain the broader social and human significance.”

2 Citation for the Vice-Chancellor’s Book Award, Rhodes University Graduation 2014.
4 Ibid p76.
death, mass mourning, a layering of grief and the terrifying presence of a disease for which there seemed no positive outcome,” explains Dr Henderson. “At the same time the book is about the local repertoires that people brought to bear on the illness, on rituals around death and mourning, but also in re-stitching social relationships.”

This is a significant contribution to the study of the HIV/AIDS pandemic in Southern Africa where literature lacks an understanding of, as another reviewer notes, the “practices of care and relationship. It is as though the disease renders social life impossible to think.”

Dr Henderson’s research, however, documents many detailed stories about people’s journeys in pursuit of care and explores the multiple forms of care that individuals offered one another, revealing that just as the illness in certain instances unraveled social relationships, it equally gave rise to an incredible generosity amongst people.

For example, the book takes its name from a young woman dying of AIDS who thanked her mother for “touching her bones” while nursing her. In explaining this association with touch and care, Dr Henderson writes that “having lived in Okhahlamba for a period of three years and having visited it intermittently for one year thereafter, a consideration of bones has come to hold for me a multivalent cluster of ‘feeling-tones’ related to sociality, relationship and intimacy, to the paring away of flesh, and to loss, mourning and death. Yet bones are also linked to the emergence of surprising strength. With their durability, they evoke memory, history and endurance of people who have been dispossessed over protracted periods of time. All of the above thematic elements form ongoing ‘threads’ that weave their way through what I have written. They are the conduits through which I explore the overall theme of the book. They encompass the ambivalence of care that is both proffered and withheld in relations of intimacy, kinship and neighbourliness.”

In A Kinship of Bones, Dr Henderson examines three strands of care, namely “to touch and be touched, to carry and be carried, and to exchange speech in the context of illness” that reveal themselves in her careful telling of a stories around illness, death, care and survival to give substance to theoretical themes explored in the book. For example, why the disease is associated with certain visceral responses in which disgust is embedded and hence fear and rejection that reveal suffering as a form of solitude but simultaneously what it means to accompany a person who is badly ill and what that form of generosity entails.

In this way, Dr Henderson manages to create a detailed yet highly readable ethnography that reveals personal narrative into its telling. As one reviewer writes, the book details “the pathways in which women and men returned home to die and how the disease was at one level intensely personal and individualized but also a challenge to the social body.”

The result is a book which holds strong human dimensions while simultaneously making theoretical and philosophical contributions to ideas around the disease. Most notably, perhaps, are the new ideas her research offers up to challenge much of the stereotypical language used in a lot of HIV/AIDS literature.

Of particular note is Dr Henderson’s chapter on ‘AIDS orphans’, which challenges the prevalent discourses of vulnerability and social pathology that circulate around children who have lost either one or both parents to the disease.

Their challenge is set against a substantial body of literature that reveals the negative impacts of parental death on children, including depression, anxiety and a general lack of wellbeing, especially present after the long-term suffering associated with the disease. This same body of research is also quick to place children under the influence of political, social and economic forces that leave them with little understanding or control over their own circumstances.

8 Fiona Ross, Associate Professor in the Department of Social Anthropology, University of Cape Town.
10 Ibid p23.
Dr Henderson’s work, however, challenges these assumptions through the stories of children and young people that reveal rather the strengths they bring to bear on their circumstances and in fashioning care for themselves, ultimately refusing their imagined social placement as orphans.

“In isiZulu the term for orphan is intandane, which is a very extreme word that really implies you have been thrown away by your social setting, you’ve become a wanderer on the face of the planet and there is nothing to hold you, that in fact you have been utterly ripped from your social moorings. I think the reason why young people refused to be called intandane was because they were embedded in that world in many, many ways and they weren’t utterly uprooted or disowned. They were all living with relatives for a start and nobody had been utterly thrown away,” explains Dr Henderson.

“I also feel that the notion of an AIDS orphan prioritizes the relationship between a child and their biological parents and doesn’t take into consideration how, even when biological parents are alive in this country, many children are not living for the entire childhood with both parents because often parents are working elsewhere. The fact is that yes, it was often hard for children because a grandmother or someone else was looking after them, but it was not this bleak vision that a lot of people have written about, that if you lose your biological parents you are going to live on the streets and become a criminal, that there is no socialization. All these children were embedded in a particular environment in which they learnt concrete skills, there were relatives around and although some of their situations were very precarious, other people who were technically not orphans were in equally precarious situations.”

In her book, Dr Henderson reveals how children are able to become actors in their own lives despite their frequently precarious situations. As she writes, her research points to "the dexterity young people brought to bear in drawing on networks of kin to reconfigure a sense of place for themselves, and yet alludes to a layering of pain that is not easily exposed." 4

Moving the argument in this way, Dr Henderson simultaneously positions children as actors while acknowledging the hardships they face. This provides a convincing addition to the debate on how to represent and understand the lives of AIDS orphans. Particularly important, it questions how 'care' is framed in relation to young people, opening up a space for variability and complexity.

Dr Henderson’s work also aims to challenge public discourses around the stigmatization of people living with HIV/AIDS. Further, it aims to contest purely biomedical accounts of the disease and documents the gendered and economic dimensions of the disease. In writing about the book, a reviewer also applauds Dr Henderson for her “principled upholding of an ethic of solicitude towards her research participants in respectful avoidance of direct, rapid-fire questioning related to illness and death”.

"As I explain in the book, I never worked with a very ill person unless I had been invited into their space by them and even then I was very careful that I didn’t visit all the time but made sure to visit consistently. I never asked a very ill person a single question. I would just visit people and they would slowly tell me things about their illness if they wanted to," explains Dr Henderson.

“One of the chapters in the book is about my relationship with quite a difficult man but it was one of a profound connection that I developed with him over a long period and I think what I learnt from that experience is that you can’t go into a situation with a checklist, ethics have to be negotiated between you and the people that you are working with. I was also very interested in 'pace', the pace of a relationship and of an exchange and I always allowed the very ill person to set the pace of our exchanges. Ultimately it is about realizing that a person is really suffering and you have to enter into that relationship on their terms entirely.”

The result is a collection of stories that give space to people and that pay close attention to their language and to the metaphors with which people

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2. Wilbraham, Sociality in Lesisifo, p76.
engaged with one another in the region of Okhahlamba. This became particularly important in such a rural setting, where the state and institutional care was characterised largely by its absent presence within the community, meaning that people had to use their own ingenuity, their own repertoires, to try and confront the disease and illness.

In speaking to Dr Henderson, one asks her the question of why she decided to focus so closely on individuals, especially where one reviewer comments that the "wider political and social dimensions of the emergence of treatment sink from sight." 1

She is quick to explain that “the whole point of writing the book was to not allow individual people to disappear under a general kind of depiction of what the illness was doing. Equally important was to challenge certain widely circulated assumptions about the epidemic which the book was able to do precisely because it pays attention to local repertoires and to the details of everyday life and the way the illness was folded into everyday life within that region.”

“I think that although the book is about a very sad situation it also shows the incredible beauty of people and their forms of generosity and to me that made it all worthwhile, that although it was absolutely heart rending to experience death on that scale what came through very clearly was the magnificence of many people in a situation of extremis. It was for this reason that I was determined to write people’s stories, I was determined to create a record of a time that was encompassing but that people would ultimately forget and that really kept me going. So I feel vindicated that I won this award because for me this is the most important work I’ve ever done in my life and I’ve done a lot of research and written a lot, but for me this was the most extraordinary work I’ve ever done and so on behalf of the people whom I wrote about, I am very grateful to have received this award.”

- Laura Watermeyer

Driving her incredible reputation is Professor Nyokong’s passion for passing on and producing knowledge. In the twenty years that she has been at Rhodes University she has supervised 80 MSc, PhD and Postdoctoral Fellows and her research output is amongst the highest of any individual academic in South Africa. In 2012 and 2013, she published 51 articles each year, all of them internationally peer reviewed. These extraordinary achievements are just some of what make Professor Nyokong a top-class international researcher.

Her international reputation has also contributed to enhancing the reputation of South African and African science and Professor Nyokong has undertaken formal collaborations with counterparts in France, Russia, China, United Kingdom, Belgium, Japan, Germany and Chile.

“I am passionate about South Africa and Africa and I am proud that science in our country is very competitive on a global standard. I want my students to be of an international standard too,” explains Professor Nyokong. “It doesn’t matter where they go in the world, they must be proud that they are South Africans. As South Africans we are often negative about ourselves and I have no idea why but I send my students overseas so that they can understand and appreciate the privileges they have in South Africa and so they realise that there is good science happening in Africa.”

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1 The NRF is a government agency that promotes and supports research in all fields of knowledge.

2 The Lifetime Achiever Award honours a deserving South African individual who is considered to have made outstanding or extraordinary contributions to the development of science in and for South Africa over an extended period of time. The contributions must be of international standard and impact.
Professor Nyokong's commitment to her students and to training the next generation of chemists contributes to ensuring that South Africa remains at the cutting edge of scientific development. Her research includes making significant strides toward the effective treatment of cancer through photodynamic therapy, which is intended as an alternative to chemotherapy.

Awards

Professor Nyokong's long list of awards includes the 2009 L’Oréal-Unesco Award for Women in Science, which she reveals was a highlight of her career:

“Two of the people on the committee who selected me were Nobel laureates and so it felt extremely special. I also think that it launched my reputation internationally more than my own publications and because of that I have become not just a role model for South Africa but also a continental role model.”

In 2005 she was also awarded the Order of Mapungubwe by then President Thabo Mbeki.

“I think the beauty of that award was just in the dignity of the whole thing and the fact that the ministers were made to sit at the back and I was more important than cabinet ministers for one day,” reveals Professor Nyokong with a smile. “No, but really every single award I have been given has been very special and important to me.”

For Professor Nyokong the Lifetime Achiever Award came as a complete surprise but one that she feels extremely honoured and grateful to have received. It is also important in opening up new pathways for increased funding and recognition of herself, her research and her department at Rhodes University.

“What really pleases me about this award is that, like an NRF A-rating, it spells out that you are a world class researcher, which is extremely important for securing funding in these funding-strapped times,” said Professor Nyokong speaking at the award ceremony held in Port Elizabeth in August 2013.

However she is also quick to admit that the award makes her feel very old.

“The fact that they are saying that it is a Lifetime Achiever Award makes me feel like it is over, but I need to say that this is only my first lifetime, the second lifetime is still coming.”

One of her future goals is to develop her research into a marketable product. She is also interested in looking at how nanotechnology can be combined with cultural heritage.

“I think this will be my old-age project. I want to use nanotechnology to restore old books and we are currently buying some equipment that will be able to do this and so this might be my retirement project.”

Lifetime of a Researcher

Professor Nyokong was born in Maseru, Lesotho, where she was inducted into the country's Hall of Fame in 2010. In an interview with GoSETgo, she revealed that as a young girl she wore second-hand clothing and often made the journey between her home and school barefoot. Her time was shared between her studies, where she excelled in mathematics and science, and working odd jobs like herding sheep and helping her father with his construction business.

She also revealed that this was good for her as it taught her discipline and not to shy away from hard work.

“My father, who taught me that only hard work pays, was my first role model. He inspired me never to give up once I have set a goal in life.”

From humble beginnings, Professor Nyokong went on to obtain a BSc in Chemistry and Biology, as well as a concurrent Certificate in Education from the University of Lesotho in 1977. With funding from the Canadian International Development Agency, she was able to complete her Masters degree at McMaster University and her PhD in Chemistry at the University of Western Ontario in Canada.

GoSETgo is a publication sponsored by the NRF and SAASSET (The South African Agency for Science and Technology Advancement) that aims to draw the science community closer together and profile work to the larger science and education groups in South Africa.

GoSETgo, November 2013.
Persistence and endurance for hard work are signature to Professor Nyokong's incredible reputation and also form part of why she is considered to be an important role model for women and the disadvantaged, both nationally and internationally. As she explains:

"I am a role model but I am not sure that everyone would think I am a very good role model because I believe that people should work hard. I don't believe in hand outs, I don't believe in people complaining at all. I never received any handouts or any assistance, I just worked flat out and I believe that's the way to succeed."

She is also adamant that hard work and science are absolutely essential for lasting economic growth and development in South Africa, arguing that we cannot only focus on poverty and housing without developing a solid science base in the country.

"I am a very positive person, annoyingly positive to a lot of people, but it's because I see positivity around me. Yes we have challenges like poverty, but you cannot concentrate only on the negatives. You need to give people something positive to look up to because you lose people if you don't. Like us doing all the high-tech science things we do, if we don't do this we will lose people to other countries and that is what is happening in a lot of African countries because of a lack of infrastructure and a lack of planning for research and science. People leave and you end up with a brain drain but because South Africa has the right kinds of policies in place and because we are moving forward, we are no longer having a brain drain, we are having a brain gain."

Her approach to science and learning may make it seem like Professor Nyokong works tirelessly but she is quick to admit that not everyone understands her strong work ethic. Speaking openly about her reputation at Rhodes University, she said:

"If you were to ask people in this university they would probably tell you that I have no life and that I always work. That's the rumour I hear. It's as though working hard is a disease and they don't want to catch it from me but I have been married, I have brought up two children and I think the children are fine and if they're not fine then it's too late. So some people may see me as someone with no life and no one wants to be like me but being a researcher is hard work and for me, it isn't even hard work because it's a pleasure."

When she isn't in the lab, Professor Nyokong also takes pleasure from gardening and walking.

Teacher, Researcher, Scientist

However her biggest passion remains her students, as she explains:

"I absolutely love teaching and I used to love teaching first year students in particular. You know how we all have egos, well my ego was that I am a mother and these students are coming from high school and so I could nurture them and no men in the department could nurture them like me and that was my ego and I tried to make first year fun so they relaxed and enjoyed learning with me."

However since being named the DST/NRF South African Research Chair Initiative (SARCHI) Chair in Medicinal Chemistry and Nanotechnology, Professor Nyokong admits that she has less time for teaching and sees herself more as a researcher than a teacher.

"I really miss teaching but both researching and
Teaching are very important to me and I actually found that my teaching influenced my research and my research influenced my teaching, especially around how to communicate really complicated ideas to first year students and so, in fact, they really helped each other.”

Despite not finding the time to do as much teaching as she would like, she still ensures that her students remain her top priority and is quick to admit that her own research interests cannot be separated from the interests of her students.

“I am together with my students and we are a part of the same team. They do their work in the lab under my supervision and then we write together and we all have the same interests: their interest is to graduate and that is what’s important to me. No one is allowed into my office very easily but my students have top priority at all times because we are together, they are my arms and my legs and we work together as a family.”

Despite an already incredibly illustrious and full career that spans more than twenty years at Rhodes University, her dedication to nurturing the next generation of scientists is what keeps her going.

“I have been asking myself why I keep on doing what I am doing and I think maybe I am just here to annoy young people and so I will stay on and annoy them for a long time to come. But that has always been my motivation, the students, to see when the light comes on and to see when they ‘get it’. I no longer need publications or awards, I don’t have enough space left on my walls and I do wonder sometimes how long I can continue and that I might have to slow down one day but at the moment my motivation is the students. I feel like I have to give them a chance in life. If I take on a student it is because I want to give them a chance in life, a chance to succeed.”

The importance of research

Professor Nyokong does admit that it isn’t always easy to get students to see the value of research and hard work, which she believes to be incredibly important in furthering South African science on a global scale.

“I think we are facing a big challenge in how we are going to get young people into the mode of being researchers because there are very few young people who are doing research at the same level that we, the people who are meant to be retiring, are doing it. I think if we could get people to see the benefit of doing research, of being internationally recognized, then they would do research.”

She hopes to encourage her own students by ensuring that they publish their research, which she hopes will help them to see the benefits of research and move it away from being only about hard work and more about enjoyment.

“My students have to write and most of them really enjoy that. They enjoy the fact that their name is now appearing somewhere. I have also realised that there is nothing more fulfilling for a student than being challenged and succeeding. It’s about their brain developing. It’s about the discipline of writing. It’s about the discipline of critical thinking and the discipline of being able to speak in public about their research but it is also about having the discipline to say, this will take a long time and I am going to tackle it. I wish that young people could see that research is for you and that apart from learning new things, it is about advancing yourself and I say to them, find something that you enjoy, work hard and just run with it.”

- Laura Watermeyer
Louise Vincent is a professor in the Department of Political and International Studies at Rhodes University. 'Whiteness' refers to the understanding put forward by Richard Dyer where he discusses the enormous privilege that is associated with being the invisible norm against which all others are measured. (Dyer, R. 1997. *White*. New York: Routledge).


To better understand this influence Professor Louise Vincent has undertaken research that examines the impact of institutional cultures at Rhodes University and beyond. She notes that in talking about institutions it is important to realise that there is not a single culture but rather multiple cultures existing side-by-side, for example administrative and academic cultures operating alongside cultures of femininity and masculinity. However, this diversity is not always valued and some cultures are more dominant or privileged than others.

"For instance people say that the culture of our institutions has been characterised by 'whiteness' and this is having a material effect at Rhodes University where black academic staff reportedly feel frustrated with the perceived white culture and cite this alienation and discomfort as a reason for leaving the institution," reveals Vincent, who further notes that these ways of being could be the result of Apartheid practices that have been normalized within our contemporary institutional environments. It is therefore important to transform prevailing mindsets to create a social reality that values diversity.

Tell us a new story

Vincent’s research suggests that one way to do this is to tell stories.  

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1 Louise Vincent is a professor in the Department of Political and International Studies at Rhodes University.
2 ‘Whiteness’ refers to the understanding put forward by Richard Dyer where he discusses the enormous privilege that is associated with being the invisible norm against which all others are measured. (Dyer, R. 1997. *White*. New York: Routledge).
"I think it's very valuable to tell one another the small hurts and slights that grate on us on a daily basis. This helps us realise that the norms and mores that prevail are not everybody's norms and mores, and the thousands of stories that people have told me during the course of my work have made me realise that we really need to listen to one another in order to see one another."

By making spaces available for the telling of different stories within our institutions, and by interpreting and analyzing these stories using the powerful tools of social theory, Vincent argues that "we can come to understand and take seriously the idea that social reproduction happens not so much in the grand gestures but in the everydayness of pain and shame and humiliation."

In explaining why we should adopt a narrative approach to understanding institutional culture, Vincent suggests that stories are helpful in interpreting and explaining events both to ourselves and to others and are therefore important in the construction of individual and social identities.

Stories also work at an institutional level, where individuals often feel pressured to harmonise their stories with the dominant values of the institution. In this way stories can do the work of social reproduction, allowing one to come closer to understanding the content of institutional cultures through the dominant tropes that surface in the telling of stories.

However, in the same way that stories are able to sustain social and cultural structures within the institution, they are also capable of interrupting the reproduction of injustice by 'making normal strange'. "Making normal strange means being able to see that the practices that have become so familiar that they are naturalized and do not seem to require an explanation, are in fact social productions serving particular interests and perpetuating particular value systems while excluding others," writes Vincent. She goes on to say that "to listen to one another's stories and to make the space for the telling of stories that interrupt the dominant tropes is one way in which we can discover how people are variously comforted and discomforted in unexpected ways by their encounters with everyday practices in the institution. In this way we can gain insights into how domination and exclusion are reproduced and how we ourselves collude in this process."

To reveal these differences in experience and to try to understand them, Vincent undertook research in collaboration with her graduate student, Grace Idahosa, which looked at the experiences of first-generation academic women within the academic environment.

There is a considerable body of research that looks at the discriminatory effects on women of the gendered and sexist environment they encounter in academia, producing various forms of discrimination, inequality and marginalisation. However, the experiences of academic women are not identical and there is little research that looks at women who are the first in their families to enter this environment. The research of Vincent and Idahosa therefore aimed to fill this gap by examining the experiences of first-generation academic women as a result of being 'outside in' the teaching machine, as Vincent explains:

"People generally assume that once you have made it as an academic you immediately fit in, you are happy and that you are cruising. However we hypothesized that perhaps this isn't the case with first generation academics because they might not have former academic role models or prior experiences and stories to draw off and as a result, they might find the academic environment a particularly welcoming or difficult space with particular kinds of challenges."

Threaded the power of storytelling into their research, Vincent and Idahosa conducted fifteen interviews to reveal these differences in experience and to try to understand them. The research of Vincent and Idahosa provides insights into the experiences of first-generation academic women in academia.
in-depth interviews with women from diverse backgrounds. These narratives were then interpreted using theories of marginality and Vincent and Idahosa revealed that while those in a marginal position are often seen to occupy a space of weakness and inequality, marginality can also be viewed as productive and positive. Therefore, while the participants were being defined by the academic center, they were also involved with defining it. As noted in the study:

"Even while shedding tears often to their own surprise as they narrated sagas of loss, for many participants their marginalisation was something which they turned into a resource not only for their own survival but in the service of others in whom they found their own experiences and identities mirrored in some way. This offered them a sense of agency and self-efficacy." 8

Joining the academic life

Vincent and Idahosa also undertook research that aimed to discover how students who were admitted to an elite South African university despite not meeting standard entry requirements accounted for their success. 9 This question was set against a backdrop of traditional research that identifies prior performance as a central criterion for predicting students' academic performance at university. However, Vincent and Idahosa argued that prior performance is not necessarily that important, and instead sought to uncover how these students accounted for their success and what the implications might be for South African higher education institutions. They argued that it is not only admission policies but also how to counteract perceptions of non-belonging and to instead interact with and nurture emergent academic identities.

As Vincent notes, this speaks to the transformative power of institutional culture:

"It's about ensuring that everybody has equal opportunity to thrive. When you are constantly allying against a place and when you constantly feel awkward, you can't do your best work. No one should have to enter a space with the odds unfairly stacked against them, rather every person entering should be equally able to thrive and give of their best in the same environment. We want to get the best from humanity both for the sake of society and for the sake of the individual and I think we can get far with institutional culture because we cannot have a situation in which certain demographics of people are feeling very uncomfortable every day of their lives."

Other research interests

Another interest of Vincent's is critical sexualities and gender and she reveals that the link between her two fields of interest is 'identity', which she feels places her in a unique position to contribute

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9 Vincent, L. and Idahosa, G. 2014. 'Joining the academic life': South African students who succeed at university despite not meeting standard entry requirements, SAJHE, 28(4).
10 Ibid, p1445.
a richer and fuller understanding of institutional culture.

“I’ve always been very interested in raced and gendered identities and sexualities and these are the kinds of identities that circulate in the institutional space and make people feel more or less at home. I think that often the institutional culture or higher education work is untheorised and not very rich, it’s more about policy, and so I am trying to inject a sense of the passion that comes from my other work into this space.”

Some of Vincent’s other work for 2013 included research into homophobic discourse in democratic South Africa, which she undertook with Post-doctoral Fellow Simon Howell. Set against the backdrop of the rights enshrined in the Constitution, this research examined the discourses embedded in the public discussion of gay marriage after South Africa’s legislature passed the Civil Union Act in 2006 legalizing same-sex marriages or civil partnerships.

Their finding was that the reinscription of homophobia in an era of the ascendancy of human rights discourse was chiefly in terms of three potent and legitimising tropes - homosexuality as ‘unAfrican’, ‘unGodly’ and ‘unnatural’, as Vincent explains:

“Protection from discrimination is a Constitutional value but so is freedom of religion and culture, for example, and so people have tried to frame their homophobic discourse within the language of rights mentioned in the Constitution. This is particularly powerful in our context because we all are for equal rights as that is what the end of apartheid was all about. So it’s all about children’s rights, for instance, and the argument that children have a right to a mother and a father. So it’s coupling a valid argument, children’s rights which we all agree with, with an invalid one and making the one sort of lean off the luster of the other but it’s ridiculous because surely then we must we take all the children away from single parents as well.”

Vincent and Howell argue that only by deepening our understanding of the terms in which homophobia is being articulated can we develop effective counter discourses.

South African men’s romance narratives

Vincent also undertook research with graduate student Desire Chiwandire that looked at the influence of being ‘in love’ on young black South African men. This question was set against a backdrop of an epidemic of gender based violence and ‘harmful masculinity’, which is characterised by domination enforced through violence, sexual promiscuity and entitlement.

Vincent and Chiwandire conducted 42 in-depth interviews which revealed that while the men in the study reported being in loving relationships with women, their narratives often evinced “a repositioning rather than a fundamental contestation of assumptions about masculine dominance and gendered social roles and norms.” As Vincent explains:

“In South Africa heterosexual men are always considered to be the problem. There is an epidemic of intimate partner violence happening more in South Africa than in any other country in the world and so we decided to look at heterosexual men who reported that they are in love or had been in love to see how they speak about their partners. We were fully expecting that they would speak about them in a nice way but we didn’t quite find that. If you look at the violence literature, implicated in violence is, for instance, the idea that women are men’s possessions, and many of these men were talking about their girlfriends as their possessions in some way. Implicated in violence, including gang rape, is the desire to demonstrate your masculinity to other men through how you parade being with a woman and indeed we found a certain element of that in our discussions with these men. We also uncovered their desire to control women’s behaviour which is also implicated in...
violence and we didn’t expect to hear these alarm bells but we did hear them and with these very much in love men.”

While these men challenged the caricature of dominant South African masculinity, Vincent and Chuwandire found that in less overt ways they confirmed rather than challenged its major precepts. Vincent hopes this research will lead women to question their role within their relationships.

“I think this research has the potential to have a consciousness raising effect on women when they realise that it’s not just me writing essays for my boyfriend, for example, this is something that women are doing and why are we doing this? I would really like to see a women’s movement on campus, women’s only spaces where we can ask each other why we are putting up with the things we are putting up with.”

Into the Future

For Vincent, researching and dealing with women’s experiences is a passion and one that she hopes will enable her to grow the next generation of academic women, especially young black women in the field of political and international studies.

“People often throw their hands up in despair and say that we don’t have any black postgraduate students because there aren’t any and so I have quite obstinately decided to show that that is wrong. I am determined to show that with enough will it is possible to transform the demographics of our postgraduate programs and to make it possible for women in particular to feel both nurtured and challenged to become their very best. In this small way I hope to be able to make a positive contribution.”

- Laura Watermeyer
A research focus on “Visual and Performing Arts of Africa” (ViPAA)

Professor Ruth Simbao

Despite the fact that Africans have always produced art, the discipline of Art History has been shaped less by Africans on the continent and more by the legacy of colonialism. As a result, “African art” has a history of being framed largely by European and North American art enthusiasts who position themselves as collectors of African art and view Africans and their creative productions as “raw material” for study and collection.

While this history has to some extent been challenged and critiqued, according to Professor Ruth Simbao, an Associate Professor of Art History and Visual Culture in the Fine Art Department at Rhodes University, not enough has actually changed. As a result the contemporary discourse of “African art” is still largely controlled by privileged institutions, curators and scholars in or closely aligned with the West.

For Professor Simbao, this means that the study of the arts of Africa is in crisis:

“With the recent rise of what scholars call ‘Global art’ comes the announcement - by scholars in the West - that ‘new artworlds’ have not only been welcomed by the international artworld since 1989, but are in fact determining the shape of ‘Global art’. While this might be the case to a small extent, below the surface it remains largely untrue. Of concern is the fact that while ideas of globalization, deterritorialization and post-geographies are theoretically exciting this embrace of ‘Global art’ and ‘Global Africa’ obscures perceptions of the problem. Selected artists from these ‘other artworlds’ - largely the Global South - are at times far removed from local art scenes, and the core institutional culture of ‘global’ art spaces and art discourses have barely changed beyond superficial transformation and inclusion.”

As such, this international discourse more often than not excludes what is actually happening on the African continent. However, from this crisis comes the opportunity to reconsider how the arts of Africa are framed and taught within our institutions. At Rhodes University this platform is created by the “Visual and Performing Arts of Africa” (ViPAA) research focus area, funded by the Andrew Mellon Foundation and launched in 2011, ViPAA is a research team based in the Fine Art Department at Rhodes University.
The audacity of place

For the last three years Professor Simbao has led the ViPAA team in a study of these geopolitical problems by researching a number of sub-themes under the umbrella of “The Audacity of Place and the Global South.” As she explains:

“There is a lot of basic everyday life occurring in the world, and human geographers, for example, on the importance of embedded yet agile notions of place, however the dominant artworld tends to flatten place. Post 1989, the rise of art biennales and art fairs across the world has played a significant role in flattening the stories of art and creative production. Despite the perceptions of flatness created by the dominant discourse, in actually art around the world is not becoming the same, for new differences and new forms of diversity are continually being produced by creative human beings. Rather, what is happening is that privileged art institutions produce the mirage of sameness, and only the select few works that fit into the discourse of privilege receive substantial international recognition. Works that don’t reflect this image are often either patronized or completely ignored.”

Since the start of the Focus Area theme ‘The Audacity of Place’ in 2011 eight students, all of whom have been core members of the ViPAA team, have written and graduated with theses on various issues of place and art. This is especially significant considering that within a discourse of contemporary arts of Africa that prefers a supposedly global framework, these theses all engaged with ‘embedded concepts of place and the production of knowledge from locally situated perspectives’ such as South Africa, Lesotho, Botswana, Zimbabwe and Nigeria.

Also significant were the Making Way exhibitions curated by Professor Simbao that included students from the ViPAA team, most notably Dotun Makun and Gerald Machona. These exhibitions sought “ways of opening up new conversations about cultural diversity, social tolerance and human understanding at a time of intense movement and change in the Global South,” with a specific focus on Africa-China relations.

Reviewing the exhibition, Darryl Accone wrote, “Appreciation and thanks must go to Simbao and the African and Chinese artists she has gathered so sensitively and skillfully to present a picture of the very human nature of the Africa-China relationship.”

Acknowledging this human element was key, as explained by Professor Simbao:

“Human beings are creative, and creativity produces diversity. While it is obvious that not everyone in China or everyone in Africa thinks the same way, there is a tendency for these nuances and differences of human experiences and opinions to be flattened in the economic and political arenas. This exhibition attempted to reveal individual experiences of artists who engaged with concepts of movement in a bottom-up way, rather than claiming broad geopolitical statements about China and Africa.”

Veering to the global south

The Focus Area group is also currently in the process of producing a book titled ‘Veering South: Place, Culture and Society’ edited by Professor Simbao, who notes that eight out of the thirty proposed authors are or have previously been ViPAA members. This publication aims to rigorously analyse society, culture and the arts of the ‘Global South’ and is significant in that it emphasises...
scholarship that analyzes the complexities of the South and is produced within the South. As Professor Simbao explains:

“Obviously the Global South is not a homogenous entity, and it is critical that scholarly engagement maintains slippages, nuances, tensions and contradictions when taking this way about the world. However, while recognizing the myth of this framework, it can still be an important way to frame discussions about art and cultural production, challenging the illusion of sameness produced by privileged art institutions.”

According to Professor Simbao, discussions of the ‘Global South’ often focus on economics, framing the south as ‘poor’ and ‘deprived’. Instead, the proposed publication ‘Veering South: Place, Culture and Society’, draws on theories from the book by Jean and John Comaroff, *Theory from the South*, which argues that the ‘south’ has insights that the ‘north’ can, and needs to learn from.

“This shifts the perspective from Africa being a resource of raw material to be analysed and theorised by scholars in the north, to Africa being a place of insight and leading ideas. Certainly in the artworld, this perspective is rare,” explains Professor Simbao.

**Strengthening the continent**

For Professor Simbao, this emphasis on producing high quality scholarly outputs is what makes the ViPAA Focus Area important in an African context: "There is an emphasis on producing scholarship in this area that is published in internationally visible sources so that scholarly voices in Africa are heard and are able to make an impact in the broader art world. As such, we aim to do more than just produce interesting art projects in a local context, it’s imperative that these projects are used to theorise and analyse the discourse so that African artists and scholars set the trends from within Africa. This is critical as Africans need to have more agency in terms of how ‘African art’ is exhibited, framed, viewed and written about.”

Critically linked to this approach is institutional collaboration with universities across Africa and Professor Simbao has already begun to establish connections with universities in Zambia and Uganda, which she plans to strengthen in 2014. She hopes that this will allow the ViPAA team to move beyond South Africa to build south-south conversations across the African continent and beyond. This approach to the field of visual and performing arts of Africa could also go some way in strengthening the production of Art History and Visual Culture knowledge through meaningful collaboration.

Professor Simbao has also proposed a mentoring project called Residencies for Artists and Writers in the Eastern Cape (RAW--EC). RAW--EC aims to provide residencies at Rhodes University to artists from South Africa and other parts of Africa. These artists will then be paired with emerging writers who in turn are mentored by scholars, with strong research and publishing track records. The idea is for artists and writers to engage with one another to bring new voices into conversations of art locally, nationally and further afield. As Professor Simbao explains:

“I think this is really important in South Africa, especially in terms of art criticism and scholarly writing where many of the same voices are being heard and therefore the same kinds of things are being said. Ultimately, I would like this to become part of the ViPAA Focus Area and I would like to bring artists in from other countries in Africa. The critical focus of the project will be on emphasizing the importance of publication in credible sources to allow artists and writers to receive international exposure. Hopefully this will enable new voices to be part of an international scholarly debate so that the international discourse of ‘African art’ can shift. I’m quite excited about the project and if we can find further funding to keep the project going and expand the pool of artists beyond South Africa, then we can do a lot with it.”

**Moving forward into 2014**

As Professor Simbao leads the research team into 2014, the ViPAA Focus Area will take on two new connecting themes that she hopes will enable them to continue to grapple with ‘the disjuncture and the stereotypes that grow out of recent global shifts’ and current moves to explore a ‘Global Art History’.

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9 Professor Ruth Simbao, Fine Art Focus Area Report and Proposal, p.3.
These new themes will be ‘Visuality and Forms of Blindness’ and ‘Performing Self/Performing Society’, as explained by Professor Simbao:

“The notion of blindness is so important to scholars in visual culture because we focus so much on seeing, but when we see, there is also so much that we don’t see, both literally and metaphorically. This idea can be applied to the artworld and to the idea of what is framed as ‘African art’ as there are persistent blind spots in the international artworld’s perception of the arts of Africa.”

There are currently fourteen PhD and Masters students engaged in the ViPAA Focus Area, a number Professor Simbao hopes will continue to increase with time and with increased collaboration, both within Rhodes University and beyond:

“For me ViPAA is very much about a desire to build the next generation of African artists and scholars, who can challenge the international discourse of ‘African art’. Many of our students have already started to realise the importance of what we are doing; they want to speak for themselves and correct outside perspectives of what the arts of Africa are. Importantly, though, it’s not about producing a regressive, rigid separation of place that buys into a dichotomy of ‘here’ and ‘there’. We retain a very strong desire to engage globally but with the hope of shifting the international discourse on an ideological level, producing locally embedded knowledge that challenges current perspectives. It’s a long term project but from a scholarly perspective it’s absolutely crucial. There are still a lot of walls to break down but I am positive it is going to develop into something significant.”

- Laura Watermeyer
The NHI Green Paper was published by the national Department of Health during August 2011.

The Sandisa Imbewu funds are approved by Rhodes Council with oversight by the Board of Governors. The Fund is intended to provide seed funding to support strategic new academic and research initiatives at Rhodes.

Professor Van Niekerk and Dr Rebecca Surender (Oxford University)
Photo: Paul Greenway

In a bold move to reform the provision of health care in South Africa the government has proposed the implementation of a National Health Insurance (NHI), which will seek radical reorganization of the nation’s health resources and aim to provide essential health care to all South Africans regardless of their financial status. It is therefore essential that these policy developments are rigorously researched and underpinned and informed by a strong evidence base.

However, according to Associate Professor Robert Van Niekerk, Director of the Institute of Social and Economic Research (ISER) at Rhodes University, there is a deficit in academic and analytic expertise in academic institutions to assess this bold health policy.

To help fill this gap the ISER was awarded funding from the Sandisa Imbewu Fund in 2011 to establish a program of multi-disciplinary research and teaching in critical social policy with a specific focus on health care in South Africa.

The health policy program at the ISER has two intentions. First, to undertake research on health policy, and second, to contribute to the training of health policy specialists whose work will in some way make a meaningful contribution to public health care provision. In explaining the objectives of this strategic initiative, Van Niekerk is quick to emphasise its importance in contributing toward and critically reflecting on health care reform in South Africa:

“We want to see greater levels of capability in health policy analysis and greater levels of knowledge of health policy reform. I also don’t...”

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1 The NHI Green Paper was published by the national Department of Health during August 2011.
2 The Sandisa Imbewu funds are approved by Rhodes Council with oversight by the Board of Governors. The Fund is intended to provide seed funding to support strategic new academic and research initiatives at Rhodes.
think there’s sufficient research being undertaken that looks at how health care is also about creating an alternative kind of society. There is a lot of applied research that looks at the implementation of existing health policy, but I think we want to occupy a different niche and reclaim the idea of health as about wellbeing and how we create a more inclusive and more egalitarian society based on health and social citizenship."

The University’s objective is to grow postgraduate student numbers, and the research programme aims to provide Masters and Doctoral students with the necessary skills and training for future roles as academic or professional specialists in health policy, with several students already engaged in the program on a postgraduate level.

In an attempt to further build capacity to meaningfully meet student’s needs, Van Niekerk is also proud of the ISER’s recruitment of a top health policy specialist from Oxford University, Dr Rebecca Surender, who is currently applying her fifteen years of experience of developing health policy work to the research initiative.

This approach to social and health policy provides an important link between the research initiative of the ISER and the government’s announcement of the NHI, which will be based on principles of social solidarity and universal coverage that seek to make health care a social right rather than a market product.

Importantly, the ISER has noted the importance of looking at how this bold new proposal will affect private medical clinicians. This is significant considering the medical profession is a powerful stakeholder likely to have direct bearing on the shape and eventual success of the NHI reforms. Dr Surender explains:

“We could have chosen to examine other aspects of the NHI proposals such as fiscal affordability or infrastructural requirements but we chose to look at the role of the medical profession because the subject of social policy as an academic discipline underscores the need to understand actors’ beliefs, motivations and behaviour when analysing the likely robustness and outcomes of policies. Attempts to theorise how policy is made, how it is formed and implemented, the drivers and determinants of how certain policies come onto the political agenda at the time they do, must include a focus on the importance of actors; the influence of individuals or groups who are important in shaping policy and then implementing it. We have a huge amount of evidence to show that the government can identify a big social problem, such as health care in South Africa, and they can have a bold proposal, such as the NHI, and have the political will and the leadership but the policy can be undermined because the people who have to implement it are not brought on side.”

As such, the study undertaken by Dr Surender and Van Niekerk looks directly at the views of doctors, chiefly private sector general practitioners (GPs), because the reorganization of health resources under the NHI “prioritises primary health care and proposes (at least initially) to draw on human resources in the private sector to help serve the needs of the wider population. Private GPs are thus strategically and organisationally significant for the success of the reforms.”

In compiling the research, a case study of the Eastern Cape was undertaken and seventy-six in-depth interviews with relevant clinical stakeholders were conducted. The Eastern Cape was chosen as a research site because it is one of the most impoverished and socio-economically unequal provinces in the country, with poor health outcomes and the lowest public-sector health spending. This is significant considering that the key objective of the NHI is to improve the health outcomes.

“This is quite a bold policy proposal and if it is going to be successful it would need to work here, (Eastern Cape) one of the most disadvantaged Provinces, not just in the Western Cape or Gauteng” explains Dr Surender.

While the first phase of the research revealed that most private sector GPs were aware of the objectives and mechanisms of the NHI, and few disagreed with the need to improve the current health system, many were ideologically opposed to a ‘nationalised’ health system. Some of the
reasons revealed in the study included skepticism of the feasibility of the NHI; the impact of the policy on financial remuneration; and the impact on workload, professional life and clinical autonomy.

“The doctors were very skeptical that the proposal was really feasible and there were many reasons for that, but one of them was lack of human resource capacity, that there simply are not enough people on the ground to deliver the kind of medical service that those on medical schemes, the fifteen or sixteen percent of the population who have good coverage, are used to,” explains Dr Surender.

“They were particularly concerned that the increase in numbers would mean they would be doing ‘conveyor belt medicine’, where people only have a couple of minutes with a doctor and providers are overworked, but also that they would be restricted in the kinds of medicine they would be able to practice, meaning that they couldn’t refer to state of the art oncology or diagnostic facilities, partly because it would be fiscally unaffordable but also because they felt that the hospitals currently don’t have the technicians or the human resources to cope. However, the biggest concern was about capacity of health services management (Provincial and District) and the GPs were very skeptical as to whether the current managerial leadership of the health service could actually roll this out, that they didn’t have the experience or ability to do this, so there was a lot of skepticism and a lot of criticism.”

Also significant were issues around remuneration, with a major concern being that the state would not be able to pay practitioners at current private-sector rates and so doctors would suffer reduced income. Dr Surender notes the language of commerce and business associated with the private GPs, indicating the strong market ethos of the private sector, as she explains: “As someone who is most familiar with the United Kingdom (UK) and the National Health System (NHS), where doctors are public sector servants of the state, it was very striking to me that the ethos was really very different here, the vocabulary, the language, the culture and unashamedly so. It wasn’t considered problematic that most of the GPs we spoke to actually viewed their work as a legitimate business enterprise where they weren’t prepared to do work for ‘a loss’. They were very concerned that the rates that they were being remunerated by the medical schemes would not be matched by government and so they would be asked to contract with the NHI but for much less money and in a way much harder work and so they were saying, well, why would we do this? A few doctors definitely did say things like, look the current system is failing people, it’s not serving people, it’s a mess and we want to be part of anything that improves things, but most focused on the negative impact the reforms would have on their work and their business.”

Dr Surender is quick to mention that part of the reason such a striking difference exists between the UK and South Africa is that the NHS was implemented over sixty years ago and has become ingrained in the culture of the medical profession. However, the strong market-driven ethos of South African private GPs in addition to the string of concerns mentioned emphasised the challenge that lies in wait for the nation’s policy makers. Their research is therefore central in helping to provide a platform for meaningful policy discussion and debate between important stake-holders and actors, responsible for influencing policy, as explained by Van Niekerk:

“What we are trying to do with the research is provide the evidence to better understand the position of the private medical profession and the complexity of how they engage public medicine, in particular conditions of service, remuneration and also the ability to meaningfully affect health care change given the fact that our health care system is collapsing to a large degree. We want to provide a platform for meaningful policy discussion and debate, we don’t want people necessarily to agree with the research outcomes but we would like people to act on it in relation to their own understanding of what that research might be telling them given their locale either in government or the professional medical sector. We have always held the view that our research should provoke both debate and engagement but should also be purposeful, meaning it should have clear intended policy outcomes that actually improve the wellbeing of our citizens. This is important in our society which is resource constrained and research has to play a meaningful role, it needs to be one of academic, debate, engagement so forth, but also has to contribute to changing our society so that we can live in a country that is not characterised by poverty and inequality.”
The research also highlights the importance of commanding the trust and cooperation of private GPs if the state wants to ensure the stable transition and sustained implementation of the NHI reforms, which Dr Surender describes as being “absolutely essential” for South Africa.

“We know that health is a very important factor, not only in terms of people’s wellbeing and because it is morally right for people to have access to healthcare, but also because South Africa is a middle income country and we know that health is also a very important factor in economic development. The evidence shows that the most efficient and affordable way of getting good quality health care to the mass of the population in a developing country context is to have a nationalized system and I think we understand very well that insurance systems are very costly, they can be highly inefficient and they are always very inequitable. However nationalized systems that are mostly tax funded, which is what is being proposed here, gets you the biggest ‘bang for your buck’, the biggest return in terms of improvements in access and health outcomes. It is the reason that there is consensus amongst all the multilateral development organisations - in particular the United Nations and the World Health Organization, that universal health care and national health systems are the way forward - and so it is very important for South Africa.”

Ultimately the research done by the ISER on health care reform in South Africa is critically important in better understanding the way that healthcare is provided in the country and is crucial in helping to understand the direction of health policy reform in the country, as Van Niekerk explains:

“We are going to be constantly reviewing the results because this is quite a dynamic and developing area of policy. So when doctors first saw the introduction of the NHI proposals most were quite ambivalent, some of them were even hostile and we are interested in examining whether in the year since the study began, views might have shifted. Government has made a concerted attempt to engage the medical profession, to get their buy-in about a role for themselves in health care provision, and we now have tangible experience of the 11 pilot sites around the country that have been actively recruiting and contracting private sector GPs to expand NHI services so this is an opportune time during the second phase of this study to reassess where their thinking has gone.”

“Ultimately, the exciting thing about social policy is that in addition to testing the theoretical and explanatory frameworks of the academic subject, we are also practically contributing to and informing policy development. Our work will help government think more systematically about the concerns of the private health care providers and hopefully provide them with strategies and instruments which can more meaningfully include private health providers in public forms of health care provision. And that’s not to be underestimated because our work suggests that you cannot transform public health care if you do not simultaneously transform the system of private health care.”

- Laura Watermeyer
Research in the Law Faculty

Despite being relatively small, the Rhodes University Faculty of Law produced a wide body of research in 2013, ranging from the role of human rights in conflict resolution to finding innovative ways of solving housing problems in South Africa. According to Dr Rosaan Kruger, Dean of Law, this research is essential in ensuring that the faculty stays wired into what is happening beyond its doors:

“Law is not static and changes in law lead to changes in society, and vice versa. Legal research in its various forms investigates the relationship between law and society, and the principles guiding that relationship. Legal research allows for new ways of thinking about the relationship and adds new perspectives on the relationship between law and society that can inform decisions about the future.”

This agenda is clearly reflected in the research undertaken by members of the research team, with much of their focus being on challenging inefficiencies in law to better the position of vulnerable people in society, both locally and across the African continent.

Infusing a human rights agenda

The research undertaken by Professor Laurence Juma, the only NRF Rated Researcher (C2) in the faculty, focused on the role of human rights in armed conflicts. His work sought to unravel the interconnectedness between human rights norms and processes of conflict transformation. The research has challenged the barriers to propagation and implementation of human rights norms during peace negotiations and after. The idea that human rights are transformative underpins the research, as Professor Juma explains:

“If you talk about the right of access to adequate housing in South Africa, for example, it is incredibly transformative because we were once part of an Apartheid society that was completely different and aimed to deny people access. Now we are part of a society that has opened up and the basis of that is recognizing everyone’s right to housing, so it is transformative and I use the transformative argument to support my notion about involvement of human rights in conflict resolution.”

Here Professor Juma is referring to his research that aims to reconcile human rights agendas with peace paradigms in Africa. This research resulted in the publication of his book, ‘Human Rights and Conflict Transformation in Africa’ which aims to highlight the dual-role of human rights in political conflict. As Dr Harri Englund notes, “Its perspective on human rights as both sources of, and solutions to, political conflict will inspire further nuance in the study of conflict and post-conflict societies.”

For Professor Juma this book is also significant because it illustrates that peace practitioners and conflict resolution experts can work together with human rights activists towards resolution of an

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2 Dr Harri Englund was a Reader and is the Director of the Centre of African Studies at the University of Cambridge.
armed conflict. Thus, it constructively challenges the previous reluctance of peace practitioners working in conflict resolution to apply human rights norms because the latter insists on justice and prosecution. He suggests that the greatest strength of the human rights agenda resides in its values, most of which are of immense benefit to peace practitioners.

To illustrate this potential, Professor Juma uses the example of the civil war in Sierra Leone (1991-1999) where, after years of serious and grotesque human rights violations, peace practitioners attempted to establish peace across the region by putting forward a peace agreement that promised amnesty to all ex-combatants:

“The agreement promised amnesty to everyone, whether they cut someone’s limbs off or not. The result was the establishment of a transitional authority where the key figures were the same people responsible for raping women and cutting limbs during the war. The transitional authority could not work because of the lingering suspicions. Then society began to collapse again and the peace that they were in a hurry to establish crumbled.”

Instead of taking the path of blanket amnesty, Professor Juma argues for the need to draw people’s attention to dealing with gross human rights violations based on the transformative value of human rights.

For Professor Juma, a human rights approach to conflict resolution also plays an important role in bridging the gap between domestic and international normative practice and approach to violence because of its capability to transcend difference. As he explains:

“The idea is that states have little room to wiggle out of their responsibility to observe and protect human rights. Thus, when situations of incongruity arise and international law or humanitarian law cannot be applied, human rights law will often rise to fill this gap.”

Professor Laurence Juma
Photo: Paul Greenway

Professor Juma is also involved in the International Criminal Court (ICC) and Africa Research project. This is a collaborative project of the Netherlands School of Human Rights Research, Utrecht University, and the Faculty of Law, Rhodes University. The aim of the project is to provide a forum for academics and law students to participate in discussions around the tensions currently existing between the ICC and African governments. The project has enabled the two institutions to convene workshops at The Hague for academics drawn from across the African continent, and is planning a major conference at Rhodes in the near future. In addition the project has a student exchange component that is already benefiting LLM students.

**Women and the law**

Professor Juma is also interested in customary law, particularly in revising how it is taught within our institutions. His research for 2013 looked specifically at customary law, chieftainship succession and gender equality in Lesotho, where he is currently involved in an ongoing project funded by Rhodes University.

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3 Lomé Accord of 1999.
4 Customary law refers to the laws observed by the people indigenous to a country.
“I think that the customary law curriculum should change across Southern Africa because customary law has changed in some significant ways. I am using Lesotho as a case study because there is still a customary law code in Lesotho, which is widely respected. So what has happened in Lesotho is that segments of society and especially women have started to question and challenge some of the things that are based on the customary code. They are questioning why the customary code is being enforced when it is apparent that ways of life and society in general have changed. Therefore, I am using Lesotho as a case study to find out if this is truly the case, and if so, how should the subject be taught in our universities in view of these emerging realities.

This is the ultimate goal of Professor Juma’s project but there are also other aspects of customary law in Lesotho that his research has influenced:

“In 2013 we supported the case of a woman who wanted to be a chief but wasn’t allowed to because she is a woman. Despite the fact that we lost in the court of appeal, the case was still a success because it started a nationwide debate around whether or not some of the aspects of customary law are still relevant.”

For Professor Juma, this speaks to the kind of African law we should be trying to develop:

“If you are going to hold certain rules that do not allow people to fully exploit their potential and participate fully in the economy, then what kind of nation state are you building? In Lesotho, for example, women are over fifty percent of the population and they are denied access to significant roles in society because of customary norms. Remember it is the women who remained there when the men crossed the border to work in South African mines. So the women have remained as an important economic base for that country yet they are still marginalized because of these laws. This isn’t right. Why can’t the laws be more liberating? You find that in their day to day lives people live completely differently to what the law says, so why shouldn’t the law be adaptable to what’s actually going on? That’s what is important and that is what I am trying to achieve.”

Solving South Africa’s housing problems

Thinking again of the transformative power of human rights and the position of vulnerable parties in society, Dr Gustav Muller’s research focused on housing problems in South Africa, with a specific focus on forced evictions. For Dr Muller, this is a fluid and fascinating research area:

“Housing is not just about looking at people who squat on other people’s land - it’s far more nuanced than that. It’s also a social issue underpinned by issues of poverty and social exclusion, as well as the perpetuation of marginalisation and more.”

To better understand the legal-historical context of urban forced evictions in South Africa, Dr Muller wrote an article published one hundred years after the Black Land Act 27 of 1913 was passed. He explains the significance:

“Informal Apartheid started in 1913 through the distribution of land in South Africa, where 13% of the population, only white people, controlled 87% of the land. This created extreme tension and established property as an instrument of power in South Africa, especially geared at keeping black people down.”

This tension later bleeds into the urban environment where Apartheid land laws prohibited black people from owning property close to cities and employ...
This established a negative link between the regulatory powers of government and property law with the rights of land owners trumping the rights of unlawful occupiers. Fortunately, however, this position changed with the passing of the Constitution in 1996, as explained by Dr Muller: “During Apartheid eviction disputes could only be decided in terms of a property paradigm, a paradigm of exclusion, but now that we have a housing right in the Constitution it sits alongside property rights, it’s no longer subordinate but rather deserves equal protection under the law. This is monumental considering the history of land ownership and eviction in South Africa.”

Solving the ‘stalemate’

While this marks a monumental shift from Apartheid land laws, it also creates a number of seemingly intractable property and housing disputes when private landowners apply for the eviction of unlawful occupiers from their land, creating a ‘stalemate’ between the two parties. This prompted Dr Muller, together with Professor Sandra Liebenberg, to undertake research that examined how the courts were dealing with this ‘stalemate’, with the two proposing a critical mechanism to help ease the conflict. This is significant in a country where the right to housing, especially in the eviction context, is the most litigated socio-economic right in the Constitution, even more than health care or education.

By observing trends in case law, Dr Muller and Professor Liebenberg noticed that the courts were relying on the Law of Joinder to settle private land disputes – effectively moving beyond the ‘stalemate’ by joining the municipality within whose jurisdiction the land falls. However, courts were not adopting a uniform or convincing approach in their reasoning for this, as Dr Muller explains: “The courts were saying that the government had certain mediation obligations, for instance, that got them into the court room but that wasn’t that case. So this paper is groundbreaking because we are showing the courts that the government really has a joinder obligation.”

This is a substantial shift considering that the government is not typically involved in eviction disputes with private land owners. However, according to Muller, the government has certain statutory and constitutional obligations to help facilitate access to adequate housing and therefore, by instituting the Law of Joinder, the government is forced to be involved in land and housing disputes.

By revisiting the legal framework employed by the courts in eviction disputes, Dr Muller and Professor Liebenberg’s paper effectively identifies more clearly the constitutive requirements for necessary joinder within a constitutional matrix. This is significant for South Africa, as Dr Muller explains: “At the end of the day the primary institution responsible for providing housing is government and it’s once we get government joined in private eviction disputes, it gets us closer toward the implementation of a reasonable housing program, which is fundamental in South Africa. So it’s using a very technical, civil procedure mechanism to creatively and innovatively solve housing problems.”

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1 Muller, G., Urban Forced Evictions in South Africa, p 204.
2 This occurs because private landowners call on the courts to protect their property rights protected in s 25 of the Constitution. In turn, the unlawful occupier state that they will be left homeless if evicted, thereby invoking their right to access to adequate housing enshrined in s 26 of the Constitution.
3 This is in terms of the Prevention of Illegal Eviction from and Unlawful Occupation of Land Act No 19 of 1998.
4 Professor Sandra Liebenberg is in the Faculty of Law at Stellenbosch University, and is the HP Oppenheimer Chair in Human Rights Law.
Valuing ‘function’ over ‘form’

The faculty’s research also crosses from the home to the family it houses. Judge Albie Sachs once said of family law that “for researchers it’s a paradise, for judges a purgatory.” For Helen Kruuse, family law is a rich and interdisciplinary research area because of the complex nature of the family space. “I like family law because one needs to take into account context, which involves looking at the behavioural and social psychology around why people make the decisions they make. It’s not just a case of application of immutable principles, so for me it’s far more rich and contextual.”

This richness was evident in the range of research undertaken by Kruuse in 2013, with papers covering issues of customary law marriage, development of reproductive technologies, as well as the changes in children’s rights in South Africa. While some of these research papers arose from specific research questions, Kruuse’s study of customary law marriages stems from a long-term project undertaken with Lea Mwambene from the University of the Western Cape that began in 2012.

This research looks at the impact of the Recognition of Customary Marriages Act on the position of women in society, specifically in terms of the state of registration of customary marriages and second (polygamous) marriages, as explained by Kruuse:

“The intention of the customary marriages act was to improve the lives of women by providing equal status and capacity of spouses, and the aspiration is wonderful but there is a gap between the law and what is happening on the ground.”

For example, their research revealed that many women do not know about the Act, and are unable to register their marriage where their husband is not present, despite clear statutory provisions to the contrary. Further, when looking at the validity of a customary marriage the courts generally adopt a formal approach that looks at whether or not requirements for a customary marriage have been met, leading to harsh consequences for many women.

“Our first paper therefore formed a more theoretical aspect of the project where we asked whether it really matters what the custom says. Instead we questioned whether we should look at a different paradigm to find a way to navigate customs and notions of equality,” reveals Kruuse.

Kruuse describes this proposed shift as being one from ‘form’ to ‘function’.

“We come from a very positivistic background...
where the courts are more comfortable in considering what is and is not a marriage, whereas one should instead look at the function behind a partnership to gather whether the law should come to the aid of those most vulnerable.”

For Kruuse this research links to other issues around family law in South Africa and could be important in revising our general approach to family law, especially considering its impact on equality and on the position of women in society:

“Customary marriages are linked to issues of equality and the form of families in South Africa, which impacts on customary law, impacts on children’s rights and impacts on the new inequalities that are unintended consequences the amendments intended to improve. For me, this is a very important area of research because it is a particularly gendered field of research with women more often than not being left out in the cold, but not only women. It is about establishing a regime that is fair for everyone.”

Into the future

For Dr Kruger, the faculty’s research can only move from ‘strength to strength’:

“We have recently agreed to identify research goals for the faculty. By that I mean that we agreed to identify outputs that we would like to achieve in the next year. We shall factor these goals into our workload model, thus ensuring that the goals can be met. I am confident that clear goal-setting will enable us to contribute meaningfully to our own development as research-led teachers, and to the discussions that inform legal developments and law reform in South Africa and further afield.”

- Laura Watermeyer
Peer Reviewed Subsidy-Earning Journals


Hornby, D.S.


Research Reports

Roberts, J.E. and Mantolo, T.

Other Reports

Badat, S.

Badat, S. Developing Rhodes as a de-racialised, de-masculinised, de-gendered institution. In The Company of Women: Ten Years of WASA, Women's Academic Solidarity Association (WASA), Rhodes University, June 2013.

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Hornby, D.S.


Roberts, J.E.

Significant Research Aligned Events

During the year, Professor Lilla Stack and Messrs Hugh Hamnett, Richard Pleewie and Edward Horn presented a paper entitled “Commissioner for Inland Revenue vs Lever Brothers and Unilever Ltd: A practical problem of source” at a South African Tax Educators Association workshop at University of KwaZulu Natal (UKZN).

Professor Stack is widely regarded as a pre-eminent facilitator of tax research in South Africa, and she annually supervises the largest single contingent of Master’s and Doctoral level research students in the Faculty of Commerce at Rhodes. She has pioneered the recognition and use of the doctrinal research paradigm that is uniquely appropriate to her discipline. She continues to...
present her research methodology programme to postgraduate students, and also contributes to research in her discipline through her membership of the review boards of three of the main academic accounting journals in this country: South African Journal of Accounting Research, Journal of Economic and Financial Sciences and South African Business Review.

Professor Mark Bunting and Mr Kevin Barnard continued their work on capital markets research in accounting. This involves the application of a research paradigm based on positive economics, in which quantitative models of the relationships between the capital markets and accounting information are developed and tested against the proposition that balance sheets, income statements and other financial reports are indeed usefully representative of an underlying economic reality.

During the year, Professor Bunting and Mr Barnard completed a paper that was subsequently accepted for publication in a future edition of the South African Journal of Accounting Research. In this paper, entitled "Value and size investment strategies during the global financial crisis: Evidence from the South African equity market" they examine the propositions that a portfolio of high relative intrinsic value shares anomalously outperforms a low intrinsic value portfolio, and a portfolio of low market capitalisation shares outperforms big company shares. They present evidence in a South African context during the 2006-2012 period of a statistically significant equity return outperformance by small company, high intrinsic value shares. In addition, they demonstrate that the available evidence in this context is supportive of the argument that these particular equity market anomalies are not associated with differences in risk.

In addition to his capital markets research work, Professor Bunting continued with his other main research strand on developing a financial analysis framework for South African universities, with the objective of establishing a coherent and theoretically defensible mechanism for measuring their financial sustainability, capacity and sustainability.

In a significant extension of this line of research, Professor Bunting applied the research instrument he developed in a South African higher education context to an exploratory comparative financial analysis of the following African universities in addition to NMMU and UCT: Botswana, Nairobi and Mauritius. During the year, he presented his preliminary findings on the financial health of African higher education: a colloquium of university researchers and administrators from Botswana, Ghana, Kenya, Mauritius, Mozambique, South Africa, Tanzania and Uganda.

Mr Barnard also co-authored a cross-disciplinary paper with Mr Markus Mostert from the Centre for Higher Education Research, Teaching and Learning on information communications technology-enhanced formative assessment in an undergraduate management accounting course. The research aims to establish common themes in student perceptions of the value of screencast tutorials and frequent online multiple choice question assessment in Management Accounting and Finance 101 at Rhodes. The paper is currently under review by an accredited South African journal.

Professor Mark Bunting
Academic Leader: Research
The art of Helen Martins

Academic staff in the department continued to supervise a growing number of Honours, Masters and PhD students in South Africa and beyond. Two (2) Masters students, Nosipho Mngomezulu and Oliver Pattenden applied for and successfully received degree upgrades to PhD.

Overseas Visits

Funded by a National Research Foundation (NRF) rated researcher’s grant, Professor Rose Boswell presented a paper on aversive racism at the IUAES International Congress at Manchester University, UK.

Professor Shankar Aswani, appointed mid-2013, continued with field research on marine resources management in the Solomon Islands. He also participated and presented papers at two international meetings, one in Ireland and another in Michigan.

Significant Research Aligned Events

Professor Shankar Aswani’s interdisciplinary research in marine resources management, particularly in the Solomon Islands, continues to yield important outputs. Professor Aswani worked closely with the Department of Ichthyology and Fisheries Sciences (DFIS) and other internationally based research entities to foster research collaborations between anthropology and science at Rhodes University.

Professor Rose Boswell continued with field research on experiences of aversive racism among the emerging middle class in South Africa. She also applied for a NRF Competitive Rated Researcher’s Grant to initiate research on the nexus between heritage and tourism in five African countries.

Dr Patti Henderson took part in small project lead by Professor Fiona Ross (Cape Town University) in which five anthropologists from...
different South African Universities produced a set of papers which will be published by Anthropology Southern Africa as part of the first edition of the journal, taking under the auspices of the publishers, Taylor and Francis.

The five (5) papers interrogate the forms and conditions of their object of knowledge, ‘life’. Initially presented as a panel discussion entitled ‘Life, Form, Substance’ at Anthropology Southern Africa’s annual conference in 2013, the papers respond to the provocative question how might anthropologists productively think about ‘life in contemporary social worlds’? Contributors were asked to consider ‘the modes through which vitality is created, sustained, and negated, and to explore the conditions of possibility under which certain ways of living seem unavoidable or open to choice.’

The panel sought to interrogate taken-for-granted descriptors of biological, social and political life in Southern Africa. In doing so, they draw on different bodies of theory and diverse methods, spanning conventional ethnographic work, reflexive accounts, performance theory, and philosophical modes of inquiry.

Dr Patti Henderson also took part in a four-country investigation into children’s participation in public domains made up of a set of researchers from Brazil, South Africa, India and the United Kingdom. She contributed substantially to an overview chapter on children’s participation in South Africa, entitled ‘Unsettling notions of participation: a view from South Africa.’

The contributions from the four countries were based on a theorization of the notion of children’s participation, a carefully described case study and a general overview of children’s participation in each country.

The research findings will be published by Palgrave Macmillan in a volume entitled, Children and Young People’s Participation and Its Transformative Potential: Learning from Across Countries, and edited by Kay M. Tisdall, Andressa M. Gadda and Udi Butler.

Professor Rose Boswell
Head of Department

Children create hand and finger paintings as part of an art class

Dr. Patti Henderson and Avela Njwambe

The centre of Graaff-Reinet
Books/Chapters/Monographs

Other Publications

Research Papers Presented at Academic/Scientific Conference (Proceedings, Booklets and Attendance)
Introduction
This was a significant year for the Department of Biochemistry, Microbiology and Biotechnology being the last year that these three disciplines would be shared under one Department. From January 2014 the Biotechnology discipline will come under the newly formed Biotechnology Innovation Centre (BIC) under the leadership of Professor Janice Limson, Dr Aileen Boshoff and Dr Earl Prinsloo.

Postgraduates/Graduations
The graduation ceremony in 2013 was an occasion for celebration. The Department graduated seventeen (17) Honours, thirteen (13) Masters and three (3) PhD students.

Dr Joanna Dames accompanied her PhD student, Christine Bizabani and Postdoctoral Fellow Dr Ahwani Kumar to the 7th International Conference on Mycorrhiza in New Delhi, India in January 2013.
were published in the leading journal, 

projects at universities without medical faculties,

during October 2013. Of the four awards to flagship

at a gala awards dinner held at the MRC at the

successful applications were announced

by a panel of expert international reviewers and the

Scientific rigor of the projects was assessed by

years).

than a medical school (R8.25 million over three

Category II was for applications from principal

Applications were invited in two categories:

in scope, to be led by accomplished scientists,

important health problems, to be inter-disciplinary

The prospective projects were required to address

institutions throughout the country.

The prospective projects were required to address

health research projects at individual tertiary

involved in the collaboration of academics from a

more than a number of leading international institutions.

In April 2013, the Medical Research Council (MRC)

invited applications for a new high-profile funding

scheme, the South African University Flagship

Projects. The programme was introduced by the

MRC president, Professor Salim Abdool Karim, as an

instrument to support the most prestigious

health research projects at individual tertiary

the University as a research

the University as a research

unit, and became Research Unit in Bioinformatics

(RUBi). The Unit comprises of three core members from three different
definitions of Chemistry).
The Flagship project dovetails considerably with

other drug discovery initiatives at Rhodes

University, and provides an opportunity to place

the University at the forefront, in this field, of

research in South Africa.

Dr Adrienne Edkins was invited to give the opening
talk at the NRF Russia - RSA Bilateral Heat Shock Proteins seminar at the CSIR in Pretoria, on 24 January 2013.

Professor Brett Pletschke was invited by the

NRF to attend the National Science Foundation of China (NSFC) hosted China-South Africa Joint Symposium on “Fungal Bioresources and Application” in Beijing, China during March 2013. At this symposium delegates from both countries exchanged ideas with regards to establishing a stronger collaborative relationship between researchers working in the fungal bioresource field for a stronger bioeconomy. Professor Pletschke presented a talk on the role of enzyme synergy in advanced biofuel production at the 20th International Symposium on Alcohol Fuels (ISAF) held in Stellenbosch in March 2013.

"Mycorrhizal fungi - A Great Start" was the title of

an invited presentation by Dr Joanna Dames at the Annual Seedling Growers Association Symposium in Magaliesburg.

Rhodes University Bioinformatics (RUBi) research group was accepted by the University as a research unit, and became Research Unit in Bioinformatics (still abbreviated to RUBi). The Unit comprises of three core members from three different departments; Professor Otsim Tshakan Bishop (Head of the Unit, Department of Biochemistry), Dr Kevin Lobb (Department of Chemistry) and Professor Philip

being conducted in her Institute, and assisted

postgraduate students in Dr Caroline Knox’s

laboratory with techniques in Molecular Virology.

Dr Sonia Ponteina (Centro Regional Universitario,

San Carlos de Bariloche, Argentina) spent an

energetic month with Dr Joanna Dames at the

Mycoherbal Research Laboratory. During her visit

she discussed current and future research

collaborations, assisted with field and laboratory

work and presented joint research at the SASAM

congress. This visit was part of a collaborative

NRF SA/Argentina bilateral project.

Significant Research Aligned Events

Academic staff members are actively involved in

their research and there were significant achieve-

ments in 2013. Professor Rosemary Dorrington,

Visiting Professor Greg Blatch and Dr Adrienne Edkins were part of an international team who

worked to generate the sequence of the

Coelacanth (Latimeria chalumnae). The findings

were published in the leading journal, Nature. This

initiative, which was started in Grahamstown

by Professor Greg Blatch and Professor Rosemary

Dorrington, took ten years to complete and

involved the collaboration of academics from a

number of leading international institutions.

In April 2013, the Medical Research Council (MRC) invited applications for a new high-profile funding scheme, the South African University Flagship Projects. The programme was introduced by the MRC president, Professor Salim Abdool Karim, as an instrument to support the most prestigious health research projects at individual tertiary institutions throughout the country.

The prospective projects were required to address important health problems, to be inter-disciplinary in scope, to be led by accomplished scientists, and have the potential to generate high-impact publications.

Applications were invited in two categories: Category I was for applications from principal investigators (PIs) at a medical school (R16.5 million over three years), and Category II was for applications from a university faculty/institute other than a medical school (R8.25 million over three years).

Scientific rigor of the projects was assessed by a panel of expert international reviewers and the

significant component of fundamental research in cancer cell biology (Dr Adrienne Edkins) and malaria cell biology (Professor Heinrich Hoppe) for the identification of novel drug targets in these respective disease areas.

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Machanick (Department of Computer Science).

RUBi has been successfully running a one-year MSc programme since 2011, and a number of academics besides the core members, from Departments of Mathematics and Statistics, are also part of the Unit.

Going forward into 2014 the renamed Department of Biochemistry and Microbiology will continue to be strengthened through its collaborations within the University as well as nationally and internationally.

Dr Joanna F. Dames
Head of Department

Ms Lwazikazi Madikiza, PhD student, Bio-SENs Research Group (Sensors, Energy and Nanomaterials)

DEPARTMENT OF BIOCHEMISTRY, MICROBIOLOGY & BIOTECHNOLOGY
PUBLICATIONS

Books/Chapters/Monographs


Concerts/Exhibitions/Performances/Events/Workshops


Enhancing Factors in Industrially Important Thermus Biochemistry, Mycology & Biotechnology: Publications

Carmotetraviridae) replicates vRNA in association with utilization of the lignocellulose component through migration in cancer cell lines. 


Fontenla, S., Mestre, M.C. and Dames, J.F. Sixth International Congress on Stress Proteins in Biology and Medicine. Sheffield, United Kingdom. August 2013.


Mutsvunguma, L.Z., Tastan Bishop, A.O., Blatch, G.L. and Edkins, A.L.


Pletschke, B.I.

Ross, C.J., Tastan Bishop, A.O. and Knox, C.M.

Sitole, P. and Dames, J.F.

Fungal enzymes (exo and endo-type cellulases) synergise for more efficient degradation of lignocellulose. National Natural Science Foundation of China (NSFC) and the National Research Foundation of South Africa (NRF) hosted China-South Africa Joint Symposium on “Fungal Bioresources and Application”. International Conference Centre, Beijing, China. March 2013.

Williams, B.J.
Department of Botany

Introduction

During 2013, the Botany Department continued to consolidate its research focus on biodiversity and global change. In collaboration with researchers at Rhodes and other South African institutions, Professor Brad Ripley secured funding towards establishing an elevated CO2 facility at Rhodes University, which will be the only facility of its kind in Africa. In 2013, he received funding from ACCESS to transfer the chambers to South Africa, and NRF national Equipment programme funding for the instruments required to commission the facility.

Professor Nigel Barker was on sabbatical for the second half of the year. He continued to develop his Great Escarpment Biodiversity programme, in the context of which he undertook a 7500km research trip to the mountains and escarpment regions of southern Angola. There, he and his postdoctoral fellow, Dr Ralph Clark, MSc student, Götz Neef and Dr David Goyder, a colleague from the Royal Botanic Gardens at Kew, met up with Angolan counterparts and collected over 500 plant specimens from a number of locations, some of which had never before been botanised.

Dr Anusha Rajkaran’s research interests include mangrove and salt marsh dynamics and ecosystem functioning in sub-tropical and warm temperate systems. With Thuthuka funds granted in 2012, she is supervising several students researching the effects of disturbance, nutrients and sedimentation on mangrove and salt marsh dynamics.

Dr Craig Peter’s research focuses on the evolutionary ecology of plant-pollinator interactions. In addition to his long-term research interest in orchid pollination, he is also working on agricultural and invasive species. In 2013, he did field work in the lowveld to expand his work on the pollination of indigenous water lilies.

Dr Susi Vetter’s research includes rangeland ecology and human-environment interactions. Her opening paper for a special issue of the African Journal of Range & Forage Science on Aligning policy with the socio-ecological dynamics of rangeland commons was awarded the best paper published in the journal during 2013. A policy workshop based on this collection of papers at the Congress of the Grassland Society of Southern Africa in July 2013 resulted in an invitation to contribute to the national Department of Agriculture, Forestry & Fisheries policy for the sustainable management of veld and forage resources in South Africa.

Mr Tony Dold’s ongoing collaboration with researchers from University of Alicante and Karl-Franzens University have resulted in a number of new species in the family Hyacinthaceae.

Postgraduate Graduates

In 2013, the Botany Department was home to a record fourteen (14) Honours students (including several joint Honours), fifteen (15) Masters students and four (4) PhD students. Staff of the department co-supervised several other postgraduates in other departments, including Zoology & Entomology.
Distinguished Visitors/Overseas Visits

Dr Craig Peter was invited, as part of a group of South African orchid biologists, to present a paper at the International Orchid Conference in St Denis, Reunion, to foster links between orchid biologists in South Africa and the French Department (province) of Reunion. The visit included field trips to forests to explore the orchid flora in some of the best preserved forests in the Mascarene archipelago.

Significant Research Aligned Events

Several staff and students of the department presented at national conferences in 2013, with a substantial contingent represented at the annual South African Association of Botanists meeting in Drakensville, KwaZulu-Natal. This meeting was followed by an international symposium on "pollinators as drivers of plant speciation" sponsored by the journal Annals of Botany, which resulted in a special issue. Dr Craig Peter was invited to contribute to this symposium and special issue.

Dr Craig Peter photographing orchids in the rainforest of the Reunion mountains

Photo: Anton Pauw
Peer Reviewed Subsidy-Earning Journal Research Publications


Kalsoun, J. and Jager, S.

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Wetlands of the Eastern Cape: an investigation of plant biodiversity and vegetation community types.

Wetlands Indaba. Cape St. Francis Resort & Conference Centre - 14th South African Association of Botanists conference


Introduction

The number thirteen (13) is associated with bad luck in some cultures, but this cannot be true of the Chemistry Department. The year 2013 started on a high note with the announcement that Professor Tebello Nyokong had been awarded a National Research Foundation (NRF) A-Rating, the only female chemist with this rating in South Africa, and one of only a handful of scientists to have achieved this pinnacle in their career. This rating is recognition of Professor Nyokong as “A leading international researcher”. This was rapidly followed by the NRF’s Lifetime Achievement Award, the World Academy of Sciences (TWAS) Lecture Medal Award, and her election as a Fellow of the African Academy of Sciences. The contributions of her research group coupled with the outputs of other researchers saw the Department of Chemistry ending the year on a high note with a historical 100 publications in one academic year.

The highlights, however, were not without some disappointments, two outstanding scholars Professor Nelson Torts and Dr Edith Antunes resigned. These two colleagues have been instrumental in the meteoric growth of the Department and the Nanotechnology Innovation Centre (NIC) and will be dearly missed.

Professor Torts took up a position as the CEO of the Botswana Institute for Technology Research and Innovation (BITRI), and Dr Antunes and her husband Denzil Beukes relocated to the Western Cape.
including the allocation of a new NMR facility and new TOF-SIMS facility, which will be among the best in the world.

I would like to congratulate all the students whose hard work helped us achieve these accolades, and we certainly look forward to the challenge of continuing this upward trajectory in Chemistry.

Professor Rui Krause
Head of Department

Ms Grace Ngubeni (MSc Student), going through a Practical with undergraduate students
Photo: Jethro Christian

DEPARTMENT OF CHEMISTRY
PUBLICATIONS
Books/Chapters/Monographs
Krause, R.W.M.

Concerts/Exhibitions/Performances/Events/Workshops


Distinguished Visitors

Assumption, H.

Department of Chemistry, University of Johannesburg, Auckland Park, Johannesburg, South Africa. 2013.

Distinguished Visitors

Assumption, H. 2013.

Academic Exchange Program, September 2013.

Potato Tuber, Organic Chemistry.

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We report on the selective adsorption of nickel-10,15,20-tetraphenylporphine (NTPP) in organic media. Molecularly imprinted electrospun nanofibers for adsorption of nickel-10,15,20-tetraphenylporphine (NTPP) in organic media. The nanofibers have a high adsorption capacity for nickel-10,15,20-tetraphenylporphine. The adsorption selectivity of the nanofibers is high for nickel-10,15,20-tetraphenylporphine over other metals. The adsorption process is driven by a combination of hydrophobic interactions and hydrogen bonding.

Reference:


Chemical nanoparticles.

Dalton Transactions
Nyokong, T.A.

T.A., Nyoni, D.


Journal of Porphyrins and Phthalocyanines
Nyokong, T.A.

phthalocyanines.

M.K., Mphahlele, N.E., Le Roux, L., Jafta, C.J., Cele, L., Mathe,

Nyokong, T.A.

in Progress.

Nyokong, T.A.

M.K., Mphahlele, N.E., Le Roux, L., Jafta, C.J., Cele, L., Mathe,

Nyokong, T.A.

“Pectin-Magnetite Nanocomposite”.

Properties of a Superparamagnetic Nanocomposite
Namanga, J., Foba, J.,

Ndinteh, D.T.

Journal of Photochemistry and Photobiology A-

metallophthalocyanines and their antimicrobial effect.

Axial coordination of zinc and silicon phthalocyanines to silver and gold nanoparticles; an investigation of their photophysicochemical and antimicrobial behavior

Masilela, N.

“Pectin-Magnetite Nanocomposite”.

Properties of a Superparamagnetic Nanocomposite
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Journal of Photochemistry and Photobiology A-

metallophthalocyanines and their antimicrobial effect.

Axial coordination of zinc and silicon phthalocyanines to silver and gold nanoparticles; an investigation of their photophysicochemical and antimicrobial behavior

Masilela, N.


A quadcopter drone on a test flight outside the Hamilton Building. There are many applications for unmanned aerial vehicles (UAV) globally. Potential local applications include mapping informal settlements, guarding against the dangers of floods and fires, and detecting poachers. These tasks can be done even more effectively if the UAVs can also be autonomous. Using various image processing algorithms, this UAV has taken the first steps towards autonomous flight.

DEPARTMENT OF Computer Science

Introduction
In 2013, the research activity in the Computer Science department was organized around the research groups listed below, which together realise an ‘eco-system’ in which each part supports and is supported by the others.

All the groups, except Bioinformatics, are integrated in the Telkom Centre of Excellence in Distributed Multimedia, whose longevity has been remarkable, having started in 1997.

Convergence
Professor Alfredo Terzoli and Dr Mosiuoa Tsietsi
This group carries the core activity of the Telkom Centre of Excellence (CoE), focusing on the rich space at the convergence of legacy telecommunication systems and organizations and the Internet.

Security & Networks
Professor Barry Irwin
The Security and Networks Research Group (SNRG) efforts are concentrated in the areas of Information Security and Computer Networks, both crucial areas in modern computing and telecommunications.

Mobility
Professor Hannah Thinyane
This group focuses on mobile computing devices, whose explosive growth in number and power is dramatically changing the way we consume and produce information.

Distributed Audio Networks
Professor Richard Foss
The Audio Networks group deals primarily with the management and control protocol of audio streams, used in large sound installations such as stadiums, studios and convention centres.

Parallel & Distributed Computing
Dr Karen Bradshaw and Professor George Wells
This group focuses on the ever present and important theme of parallel and distributed computations.

ICT for Development
Professor Alfredo Terzoli, Dr Mosiuoa Tsietsi and Professor Hannah Thinyane
This group concentrates on a long-term, multi-disciplinary effort to introduce meaningful and sustainable ICT in marginalised areas.

Bioinformatics
Professor Philip Machanick
Rhodes University Bioinformatics (RUBi) Research Group is an interdisciplinary group housed in the Department of Biochemistry, Microbiology and Biotechnology and focuses on collaborative research to produce computational outcomes of biological significance.

Postgraduate Graduations
Honours: fourteen (14)
Masters by Thesis: two (2)
Masters by coursework: five (5)

Distinguished Visitors/Overseas Visits
Visitors to the department in 2013 were:
- Professor Denis Riordan (Dalhousie University, Canada), who presented an Honours module on Artificial Intelligence;
Professor Anthony Maeder (University of Western Sydney, Australia), who presented a public lecture on Health Informatics;

Mr Timo Kucza (German Research Centre for Artificial Intelligence in Saarbrücken);

Mr Mathieu Daniel ( Researchers Assistance,

Mr Aaron Chipi (Bruno Kessler Foundation, Trento, Italy),

Mr Mathias Kretschmer and Mr Philipp Bauroff (Fraunhofer FOKUS in Sankt Augustin, Germany) as part of an EU FP7-funded mobility programme linked to the Siyakhula Living Lab.

Staff and students of the Computer Science department routinely attend overseas conferences. The attendance might be complemented by a visit to an academic institution in the country where the conference takes place.

Significant Research Aligned Events

As in previous years, in 2013, the department received research grants from the partners of the Telkom Centre of Excellence in Distributed Multimedia (Telkom, Tellabs and THRIP, a DTI programme to support industry-academia interaction). Funds were also received from the Ford Foundation, towards the establishment of a cellphone-based local government monitoring system, MobiSAM; the CSIR Defense Peace Safety and Security (DPSS) in support of the work done in Information Security; the National Research Foundation (NRF) in support of various activities, the major one being Bioinformatics; and the e-Skills Institute in support of the work done by the Siyakhula Living Lab and associated entities.

In April 2013 there was a special celebration of the Siyakhula Living Lab activity in Ovessa, with participation of many organisations, ranging from high level representation by the partners of Rhodes and Fort Hare CoEs, to national, provincial and local government. At national level, we welcomed the Deputy Minister of the Department of Communications, Stella Ndabeni-Abrahams.

Professor George Wells
Head of Department

DEPARTMENT OF COMPUTER SCIENCE
PUBLICATIONS

Books/Chapters/Monographs

Staudemeyer, R.C.


Concerts/Exhibitions/Performances/Events/Workshops

Ndwe, J.


Stalmans, E.R. and Irwin, B.V.W.


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Van Heerden, R.P. and Irwin, B.V.W.

Van Heerden, R.P. and Irwin, B.V.W. Presentation. Fifth International Workshop on Smart Healthcare and Wellness Applications (SmartHealth’13 in conjunction with Social Technologies for Health and Wellbeing): Adelaide. Australia. 25 - 29 November 2013.

Peer Reviewed Research Publications

Van Heerden, R.P. and Irwin, B.V.W.

Van Heerden, R.P. and Irwin, B.V.W. Peer Reviewed Research Publications

Van Heerden, R.P. and Irwin, B.V.W.
Peer Reviewed Subsidy-Earning Journal
Research Publications


Mr Stella Ndabeni-Abrahams, Deputy Minister of the Department of Communications (DoC) is welcomed by Professor Alfredo Terzoli on her arrival at the Celebration of the Expansion of the Dwesa Siyakhula Living Lab, 18 April 2013. From the left: Mr Jabulani Radebe, (DoC), Ms Stella Ndabeni-Abrahams (DoC), Professor Mamello Thinyane (UFH), Professor Alfredo Terzoli (RU), Mr Shakes Mfundo Scott (UFH).

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


The research outputs from the Drama Department for 2013 include a total of ninety-one (91) performance and workshop outputs from staff and senior students in venues ranging from the Rhodes Theatre to a variety of classrooms in the Eastern Cape, national and international festival venues and stages, as well as conference venues. This is a significant contribution to the performing arts industry and to current research discourses acknowledging performance as a valid means of dissemination of new or rigorously queried knowledge.

Professor Andrew Buckland won the prestigious Standard Bank Award in recognition of long standing and varied contributions to the performing arts industry.

The list of research outputs and activities reflect the growing diversity in the type of research outputs being developed in this discipline. Staff member Dr Anton Krueger has produced a number of written performance scripts as well as the radio drama, Altyd and Ms Ilka Louw has joined the staff propelling the growth of design as a research specialisation at undergraduate and postgraduate level.

Senior students and staff continue to explore the relationship between practice and research and are actively engaged in proposing forward-thinking ways in which formal research outputs and practical, creative, performed research outputs might find new relationships. This is balanced by a strong drive for academic rigour and attention to detail in the development of formal research skills, and this strength is recognised by critics and external examiners alike.

These explorations and line of enquiry resulted in a range of types of performance which were distinguishable by the different venues in which they took place: interactive improvisations in rehearsal spaces, formal theatre spaces, street theatre, classrooms, school halls, prisons, community centres, lecture theatres, conference proceedings, amongst others. This play with unusual and provocative ways of framing work, the inter-animating logic of engaging live technologies and popular forms of social networking in the performance moment and the sharing of new ways of disseminating performance-as-research reveal the diversity of approaches to perceiving and shaping the theatrical, performance and research encounter.

Postgraduates/Graduations

The Department has focused in the last couple of years on developing the quantity and quality of research outputs being published or academic papers being presented at conferences by senior students. This has resulted in a trend which has continued in 2013. Our first PhD student, Sonja Smit completed her PhD and will graduate in 2014. Senior student, Rob Murray and three staff members are also currently working towards their PhD’s.

The value of practice-as-research or practice-led research as a viable and vital methodology for performance research has consolidated a presence and is manifest in the growing trend among the postgraduates to produce their own work as well as create and direct it. Masters students all reflect a range of activities including performance, writing, creating, producing, combined with the writing of academic.
articles published in peer reviewed journals. Jess Harrison won the Most promising Director in the National Arts Festival awards. Thalia Laric won an Ovation award for her choreography, Skoonveld. Themba Michau, a Drama Masters student directed Grahamstown community performers in a work Imphethuko (Turning Point) for his final examinable project, developed with the specific performance forms of the participants to find new performance forms relevant to local audiences. Themba Mchunu, a Drama Masters student directed Grahamstown community performers in a work Imphethuko (Turning Point) for his final examinable project, developed with the specific performance forms of the participants to find new performance forms relevant to local audiences.

Tristan Jacobs, Hannah Lax and Daniel Whitehorn were invited to create a performance work Fall was in your eyes and tour it at selected French universities for a month as part of an intercultural exchange between young theatre-makers from South Africa and France stimulating contemporary performance research and production. Three of the Masters students received distinctions for their Masters degrees.

Distinguished Visitors/Overseas Visits
The department was fortunate to host two distinguished South African theatre practitioners, for two week residences: Gerard Bester in clowning and Jacqueline Job in Butoh dance performance.

Ms Cassandra Hendricks, an ex Drama student and young director was invited to direct Curl Up and Dye, an iconic South African performance text.

Jeanette Ginslov came from Denmark to work with undergraduate and postgraduate students in pushing research boundaries through her teaching of screendance and digital performance technologies. These new research digital performance technologies have aligned with the department’s interest in interrogating performance-as-research as a vital and rigorous methodology for performance research.

Athina Vachla continued her performance research with interdisciplinarity creating three different interdisciplinary performance events which challenged traditional modes of spectatorship and questioned ways of disseminating performance research.

International visits by staff, Professor Buckland, Ms Gehring, Ms Sutherland, Ms Vachla, Ms Ginslov, and Ms Vahla, and post graduate students Tristan Jacobs and Hannah Lax saw the university represented in centres of performance practice and research as far afield as Sweden, Greece, London, Scotland, Wales, Germany, and France.

Significant Research Aligned Events
The department’s exchanges with community engagement (CE) span a diverse range of activities based on the work of individual staff members as well as the work produced by the two associated projects of the Drama department, First Physical Theatre Company and UBOM!

The Department is still the only department in the country to host two Professional Theatre Companies and both are essential elements of the department’s core activities. Their work is intimately woven into the web of research enquiry and practical experimentation which identifies the quality outputs of the department. CE is identified by the department as performance research actively engaged in exploring performance forms and constructs which have some chance of breaking the huge divide between theatre experiences of differing South African language and social groups.
Staff member, Alex Sutherland, won the Rhodes CE Award in 2013 and has worked to integrate CE into many of her Applied Theatre courses—this means that our students have regular contact with over eight local schools as well as the prison. The projects retain exchange with various theatre groups like Amaphiko Dance and the Sakhuluntu Cultural Group. Annually, Ubom! Eastern Cape Drama Company invites community theatre groups to create a piece of theatre staged at Rhodes University Theatre for the Makana Drama Development Festival.

Workshops are held where theatre techniques such as directing, acting and devising theatre are explored. It is believed that the element of competition amongst the groups will raise the standard of the productions and make for good entertainment. The use of the University facilities expose groups to working with lighting and stage management demands. It is hoped that this will not only benefit the dramatists professionally, but will also assist in creating an enduring alliance between the community artists and the University through which drama in our community can grow.

In 2013 the department celebrated the twenty-first year of existence of the First Physical Theatre Company and Ubom! Eastern Cape Drama Company celebrated its eleventh year of existence. Both companies have distinguished the University and identified the Drama Department at Rhodes with artistic excellence based on, and driven by, rigorous attitudes to research and training and an unapologetically experimental frame which has produced innovation and extensive development of form.

Professor Juanita Praeg
Head of Department

DEPARTMENT OF DRAMA
PUBLICATIONS

Books/Chapters/Monographs

Concerts/Exhibitions/Performances/Events/Workshops

First Physical Theatre Company member, Mr. Thabo Lalo, explored ways of "listening" with the body during a Body Forms class.


Buckland, J.M. Artistic Director: Vuka Community Workshops: Facilitating & running of a drama group at the school. rabbit Mandela Primary School, Grahamstown, South Africa. 15 February - 1 October 2013.


Buckland, J.M. Artistic Director: Vuka Community Workshops: Facilitating & running of a drama group at the school. Southdowns Recreational Centre, Grahamstown, South Africa. 15 February - 1 October 2013.

Buckland, J.M. Artistic Director: Hoss: Best of Fest 2013: Rhodes University, Grahamstown, South Africa. 15 February - 1 October 2013.


Dancing Drifting: Dancing was a tribute to the late Boze De Wet. This production was a collaboration created by the staff members and MA students.

Lax, H. Performed. Fall was in your eyes. Playhouse Theatre, Durban. South Africa. 2 - 3 September 2013.
Lax, H. Performed. Fall was in your eyes. Theatre Arts Admin, Cape Town. South Africa. 10 - 11 September 2013.
Lax, H. Performed. Fall was in your eyes. College Louise. College Louise, Grahamstown. South Africa. 27 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. College Louise. College Louise, Grahamstown. South Africa. 28 June - 1 July 2013.
Lax, H. Performed. Fall was in your eyes. College Louise. College Louise, Grahamstown. South Africa. 25 - 27 July 2013.
Lax, H. Performed. Fall was in your eyes. College Louise. College Louise, Grahamstown. South Africa. 21 November 2013.
Lax, H. Performed. Fall was in your eyes. College Louise. College Louise, Grahamstown. South Africa. 18 - 21 September 2013.
Lax, H. Performed. Fall was in your eyes. College Louise. College Louise, Grahamstown. South Africa. 15 November - 17 November 2013.
Lax, H. Performed. Fall was in your eyes. University of Toulouse, Toulouse. France. 18 - 22 November 2013.
Lax, H. Performed. Fall was in your eyes. University of Reims, Reims. France. 25 - 27 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. University of Toulouse, Toulouse. France. 18 - 22 November 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Lax, H. Performed. Fall was in your eyes. Theatre in Motion '13. Rhodes Theatre, Grahamstown. South Africa. 28 June - 7 July 2013.
Theatre in Motion productions: Exploring Form by Janette Diederik


Lam, M. Performer: Drifting, Rhodes Theatre, Grahamstown. South Africa. 4 April - 6 January 2013.


in performance project
Augmented Reality & Screendance Project - A research
Directions in South African Theatre Today: circulation,
evolutions, adaptations, university of Trélazé-Lé Mirail,

Sutherland, A.E. (2013) ‘Now we are real women’: playing with gender in a male prison theatre programme

Sutherland, A.E. (2013) Performing the inarticulate: an analysis
South African Theatre Journal 26 (2). p. 139-150.


South African Theatre Journal 26 (2). p. 139-150.

Sutherland, A.E. (2013) Performing the inarticulate: an analysis

Laric, T.S. (2013) ‘Now we are real women’: playing with gender in a male prison theatre programme

Sutherland, A.E. (2013) Performing the inarticulate: an analysis
South African Theatre Journal 26 (2). p. 139-150.

South African Theatre Journal 26 (2). p. 139-150.

Sutherland, A.E. (2013) Performing the inarticulate: an analysis

Laric, T.S. (2013) ‘Now we are real women’: playing with gender in a male prison theatre programme

South African Theatre Journal 26 (2). p. 139-150.

Sutherland, A.E. (2013) Performing the inarticulate: an analysis

Laric, T.S. (2013) ‘Now we are real women’: playing with gender in a male prison theatre programme

South African Theatre Journal 26 (2). p. 139-150.

Sutherland, A.E. (2013) Performing the inarticulate: an analysis
The ENREFA programme enrolled two (2) PhD students and three (3) Masters students. There were also a number of other students registered for Masters studies by thesis in other areas of Economics. The Masters in Financial Markets degree by coursework and thesis continued to attract students to the programme.

The Department had a successful year in terms of Masters degree graduates. Two (2) Masters degrees by thesis were awarded as well as nine (9) under the Masters in Financial Markets.

The ENREFA programme, in partnership with the University of Portsmouth, provided funding from the National Research Foundation (NRF) Knowledge Interchange and Collaboration (KIC) grant to develop a relationship between Rhodes University and the universities of Portsmouth (UK) and Twente (The Netherlands) for research on Water Footprint studies in South Africa. This was successful because we were able to appoint Dr Markus Pahlow as a Research Associate in the Department. We have worked together with him on a paper that has been submitted to WaterSA and he has been assisting Sam Munro, a Masters student in the Department with the technical aspects of calculating a water footprint for citrus in the lower Sundays River Valley.

Academic staff and students also presented papers at academic conferences. The papers, presentations and journal articles represented a wide range of economic topics and showcased the expertise available in the Department. The research covered financial markets, economics of happiness, cultural economics, environmental and agricultural economics and institutional economics.

The number of postgraduates registered for Masters and Doctoral degrees increased in 2013, which was largely the result of the Environmental and Natural Economics Research Focus Area (ENREFA) taking in students for the first time.

Postgraduate Graduations

The Department of Economics had another successful year in terms of research and publications in a variety of media. The Department saw ten (10) monographs, thirteen (13) training papers, three (3) working papers, twenty-four (24) biweekly column articles in Business Day, two (2) published papers in peer reviewed non-subsidy earning journals and nineteen (19) publication in peer reviewed subsidy-earning journals.

Significant Research Aligned Events

The ENREFA programme has been engaged in a number of varied and interesting research topics. The PhD topics relate to whether institutional isolation influences the potential contribution of freshwater recreational fisheries to local economic development and the effect of invasive alien plants and rural livelihoods in Gwanda district, Zimbabwe. The Masters studies relate to water footprint, farm labour and water governance issues in the lower Sundays River Valley. Despite the loss of Professor
Paul Alagidede to another academic institution, the African Review of Economics and Finance continues to be linked to Rhodes University. The journal is now publishing its fourth volume. The Department had another successful year in terms of peer reviewed publications and other popular publications. Professors Gavin Keeton and Pierre Faure were prolific in terms of a biweekly newspaper article, monographs and training papers to an ejournal respectively. Professor Snowball and Mr Ferdi Botha were the most productive with six (6) and seven (7) published papers each respectively.

Professor Gavin Fraser
Head of Department

DEPARTMENT OF ECONOMICS & ECONOMIC HISTORY

PUBLICATIONS

Books/Chapters/Monographs


Other Publications


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


DEPARTMENT OF EDUCATION

Introduction

The Education Department is committed to working to improve the quality and relevance of, and access to education in the Eastern Cape, South African and broader international arenas. This is a critical concern, without which the sustainable development of South Africa and the world, will not be possible. The broad focus of the research of the Department is thus on education for sustainable development, and within this broad orientation, we take a number of particular foci that relate to quality, relevance and access in schooling and environmental learning.

The Department has three strong and well-established specialist areas of research, led by research Chairs in Mathematics Education; Numeracy Education; and Environmental Education and Education for Sustainable Development. We also have strong research programmes in Foundation Phase education and Education Leadership and Management. In addition to this, our research in Language and Literacy Education, Science Education, Geography Education and Multilingualism in Education is showing positive growth.

The Departmental research programme in mathematics education led by two of the funded research Chairs in the Department - the FRF Mathematics Education Chair, focusing on Senior Phase and FET Mathematics Education and the SA Numeracy Chair, focusing on Foundation and Intermediate Phase mathematics education

These Chairs have now moved beyond the initial period of development and consolidation and their research into learner and teacher identity, teacher professional development, developing mathematical communities in schools and the use of technology for mathematical learning, is beginning to bear fruit. This has seen these researchers becoming two of the most productive researchers in the University.

The Chair in Environmental Education and Education for Sustainable Development is also one of the most productive researchers in the University. This Chair has a strong international reputation and is the leader in the field of education for sustainable development in Africa. In addition, the Chair is an important partner in a number of international collaborative research programmes. The development of high level research skills in Environmental Education and Education for Sustainable Development is an important focus of this Chair and the MEd and PhD programmes in this area produce highly skilled and sought after researchers. For this reason, these programmes continue to grow, drawing productive scholars from the entire continent.

The EU sponsored Foundation Phase research programme, focusing on quality in Foundation Phase Education, entered its final year of funding in 2013 and the staff and postgraduate scholars in the programme were involved in a number of publications and conferences. The first PhD 'candidate' from this programme will graduate at the graduation ceremony in April 2014.

Postgraduates/Graduations

The Department will celebrate the graduation of a number of students at the graduation ceremony in April 2014. These include nine (9) PhD students and twenty (20) MEd students.

Significant Research Aligned Events

The Foundation Phase Research project organised...
a successful National conference in Early Childhood Education in September 2013 at the Educational Leadership Institute in East London. Keynote speakers were Professor Brahman Fleisch and Dr Nick Taylor.

Dr Bruce Brown
Head of Department

DEPARTMENT OF EDUCATION
PUBLICATIONS

Books/Chapters/Monographs


Books/Chapters/Monographs

Lotz-Sisitka, H. Presentation. Careers in the Water Sector: Celebrating the UNESCO Year of Water Cooperation with the Schools of Cofimvaba, Bonne Gueule Building, Cofimvaba-South Africa. 31 August 2013


Stott, D.A. and Hewana, D.R. 
Creative Writing 
Distinguished Visitors 
Organiser: Graven, M.H. 
Other Publications 
Graven, M.H. 

and educational governance in Brazil, South Africa and
When does a nation-level analysis makes sense? ESD
Lotz-Sisitka, H. and Quality. Lotz-Sisitka, H. and

Education

for Transformative Education Research focusing on
Education for Sustainable Development and Gender
Southern African Journal of Higher Education

Learning through community. Graven, M.H., and Teaching Mathematics

and teachers' opinions.

and Teaching Mathematics

software as a dynamic tool for spatial exploration. In:


Schafer, M., and Grant, C. (2013) Re-imagining science teaching as leadership in building a community of


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


Critical writing on contemporary South African fiction continued to dominate research production in the Department, with the general field of ecocriticism also prominent as a focus of enquiry. That said, articles and conference papers covered a wide range of topics, from Cormac McCarthy’s novel Blood Meridian, through Conan Doyle’s Sherlock Holmes stories, to J.R.R. Tolkien’s Lord of the Rings. In all, ten (10) subsidy-earning publications were produced.

**Postgraduates/Graduations**

Five (5) Master’s students and one (1) Doctoral candidate graduated. The latter, Bridget Grogan, is now a Lecturer at the University of Johannesburg.

**Distinguished Visitors/Overseas Visits**

Among the distinguished visitors to the Department in 2013 were the authors Patrick Flanery, Craig Higginson and Ken Barris. Academics visiting from abroad included David Atwell (University of York), Andrew van der Vlies (Queen Mary, University of London) and Rebecca Weaver-Hightower (University of North Dakota). There were eight research seminars in the Department’s Thursday evening series. Members of the Department attended conferences as far afield as London and St Lucia (West Indies).

The Mellon-funded South African Literature in Focus project, led by Professor Dirk Klopper, continued to stimulate postgraduate enrolment and research in the Department, while the third in the series of special issues of the journal English in Africa devoted to the spin-off South African Literary History Project appeared. This issue featured the literary criticism and journalism of the poet Douglas Livingstone.

With the help of Postdoctoral Fellow Dr Spalding Lewis, the Department organised and hosted a highly successful conference of the Association of University English Teachers of Southern Africa. The keynote speakers included a leading theorist of Postcolonial Studies, Professor Robert J. C. Young of New York University.


The Department witnessed a growth in its postgraduate intake at Honours and Masters level, in part as a direct consequence of the Sandisa Imbewu literacy project which took off with a number of student research projects on isiXhosa literacy.

In addition, Professor Ron Simango presented his work at Georgetown, Rutgers and South Carolina in the United States of America, as well as Paris, France. Dr Mark de Vos presented his work in Paris, France, and Dr Sally Hunt presented her work at Lancaster in the United Kingdom.

Locally, Dr de Vos and Dr William Bennett presented their works at North-West University. Professor Simango presented his work at the University of the Western Cape, and Professor Simango, Dr Hunt, Dr de Vos, Mr Ian Sieborger and Ms Kristin Van der Merwe presented their works at the University of Stellenbosch.

Professor Ralph Adendorff continues to serve on the Board of the Dictionary of South African English as well as on the national (PANSALB-affiliated) English Language Board. He and Professor Simango are members of the Academy of Science of South Africa.

In addition, Professor Simango and Dr de Vos continue to serve on the executive board of the Linguistic Society of Southern Africa, and Professor Simango is on the editorial board of the journal Southern African Linguistics and Applied Language Studies.

Postgraduates/Graduations
Postgraduate numbers increased significantly this year with eleven (11) Honours students, eleven (11) Master’s students and four (4) PhD students registered with the Department. Two (2) students submitted their Master’s theses for examination whilst two (2) others obtained their Master’s degrees.

Distinguished Visitors/Overseas Visits
Distinguished visitors and guest lecturers included Sylvia Jaworska, from Queen Mary University of London, United Kingdom, and Ramesh Krishnamurthy from Aston University in Birmingham, United Kingdom. Both visitors are internationally recognised for their pioneering work corpus linguistics.

Significant Research Aligned Events
The Department started the year by hosting South Africa’s first ever Corpus Week in March 2013. The workshop, convened by Dr Sally Hunt, brought together experienced corpus linguists from abroad and new researchers from all around the country to share their knowledge and form new research partnerships.

The year ended with a two-day research seminar in October 2013 at which all postgraduate students in the Department presented their research work.

Professor Silvester Ron Simango
Head of Department


Furthermore, these publications are testimony to the interdisciplinary team approach employed in the Department with co-authors including colleagues from within the Department, South Africa and the international research community; several from complementary academic disciplines.

Conference attendance was high with twenty-three (23) papers presented over the year at national and international conferences, with two (2) being invited keynote addresses by Professor Charlie Shackleton and Professor Sheona Shackleton respectively. Several panel sessions were also organised.

Postgraduate Graduates
During 2013, the number of senior postgraduates registered stood at a healthy twenty-four (24) Masters and thirteen (13) PhD students. At graduation, the Department saw seventeen (17) Honours students, eight (8) Masters students K Clarke, A Chinyimba, M Chishakeshake, H Kaoma, K Mpofu, L Stadler, C Ward, and M Evans, and four (4) PhD students M, Mutamba, R Kannan, M McConnachie and S. Fourie, all supervised by Professor Charlie Shackleton, graduate in April 2013. Two (2) Masters students Ms Amy Trefry and Mr Patrick Ndolovu from the Department of Rural Sociology and Resource Economics, University of Alberta, Canada and co-supervised by Dr Cundill and Professor Sheona Shackleton respectively, also graduated in 2013.

Distinguished Visitors/Overseas Visitors
The Department had a number of visitors during 2013, with some spending significant time working with staff. Visitors included:

Jaime Aburto (Universidad Catolica Del Norte, Chile) visited between 26 July and 24 August 2013 and presented a guest lecture entitled “TURF governance in the context of highly...”
variable resources in Chile”. He also worked with Dr Georgia Currid on finalising two papers.

- Professor Paul Hebinck (Wageningen University, Netherlands) made several visits to the Department as part of a long-term partnership, and spent 10 days in October 2013 undertaking fieldwork on the Wild Coast with Professor Sheona Shackleton.

- Professor Marty Luckert, a research collaborator (University of Alberta, Canada) visited twice during 2013; once to work on papers with Professor Sheona Shackleton and then to attend the IDRC project closing workshop and a proposal development meeting.

- Dr Susana Salu (Leeds University); Professor Scott Drimie (Stellenbosch University); Professor Faustin Lekule and Dr Anthony Sangeda (Sokoine University in Tanzania); Anna Taylor (University of Cape Town); Dr Zachariah Nkhonya (Malawi); Dr Arivudai Nambi, Aahdi Ramasamy and Guru Arumugam from two research organisations in India; Dr Kevin Kelly (SEAD) and Dr John Colin (Open University, United Kingdom), all provided talks and attended two Departmental research workshops related to climate change adaptation in August.

- Dr Ramesh Kannan (Ashoka Trust for Research in Ecology and Environment (ATREE, India) gave a guest lecture in the Department entitled “Reconstructing the history of introduction and spread of the invasive species Lantana at three spatial scales in India”. Sadly Dr Kannan passed away in September 2013, only a few months after graduating with a PhD from Rhodes University.

- Professor Sheona Shackleton was on sabbatical for 2013, and spent six weeks in Copenhagen, with side trips to the Stockholm Resilience Centre, Sweden and a conference (Transformation in a Changing Climate) in Oslo, Norway. She received an European Commission Erasmus Mundus SURFOR scholarship of Euros 8000 to spend time with Global Development Group of the Department of Food and Resource Economics at the University of Copenhagen. She attended two conferences, taught on a PhD course and gave several guest lectures during her stay.

Significant Research Aligned Events

In August 2013 the Department hosted a six day closing workshop for their project, “Vulnerability, coping and adaptation within the context of climate change and HIV/AIDS in South Africa” funded by the International Development Research Centre (IDRC) in Canada. This was attended by several of our project partners from University of Alberta, and colleagues from Leeds University in the United Kingdom using a NRF KIC grant awarded to Sheona Shackleton, Sokoine University in Tanzania, CSIR, University of Cape Town, Stellenbosch University, Malawi and the Eastern Cape Socio-Economic Consultative Council (ECSECC). The meeting included a community imbizo in which results from the four year research project, including eleven (11) sub-studies undertaken by postgraduate students, were converted into a drama and shared with community members in the research sites. The drama was developed in conjunction with members of the Drama Department and a documentary of the process was produced (vimeo.com/39951451). A major part of the meeting was spent developing policy messages from the research that was presented at a provincial stakeholder meeting at ECSECC in East London. Some twenty (20) provincial stakeholders attended. These policy messages are now being converted into policy briefs.

In January 2013 a research writing workshop was held in Johannesburg to mark the end of the SANPAD funded project on “Residents’ uses and
appreciation of trees in poorer areas of small towns in South Africa", with colleagues from the Department, Zambia and The Netherlands. Four (4) papers were completed and submitted.

Dr Georgina Cundill and Professor Sheona Shackleton each organised two panels at three different conferences over the year. Dr Cundill arranged a panel entitled "Pursuing co-management as a resolution to land claims on protected areas in the Eastern Cape: Experiences and future directions" at the Thicket Forum in September 2013, and another in November 2013 at the Climate Change Adaptation Colloquium entitled: "Building conversations on community level adaptation: Practitioner, researcher and community perspectives on processes that build capacity to respond to uncertain futures".

Professor Sheona Shackleton convened a panel on "Land and landscapes sustaining people: the importance of ecosystem services" for the Land Divided: Land and South African Society in 2013 in Comparative Perspective Conference at University of Cape Town in March 2013, and co-hosted a second panel at the Climate Change Adaptation Co-Quéum with Dr Gina Ziervogel from University of Cape Town entitled: "Barriers and enablers of climate change adaptation".

Professor Charlie Shackleton spent two weeks in Australia in September 2013 working with colleagues from Monash University and ATREE in designing and field testing the approaches to be used on their joint project on "Perceptions and languages of indigenous peoples to invasive alien species".

Professor Sheona Shackleton spent a week in Cotonou in Benin in December 2013 as one of several external examiners for PhD's graduating from the Convergence of Sciences Programme at Wagening University, Benin.

Dr Georgina Cundill was awarded a Y2 rating from the NRF. This is an outstanding achievement considering she joined the Department from a postdoctoral position and this was a first time application.

Professor James Gambiza was awarded a prize for the best research paper presented at the Thicket Forum in September 2013. He also visited Sierra Leone, Burundi and Seychelles to review the UNCCD projects on combating land degradation in Least Developed Countries.

Professor Sheona Shackleton
Head of Department

Staff of the Department of Environmental Science, and international visitors at the closing workshop of the 4-year multi-institutional IDRC project on vulnerability and climate change held at the Ribl Inn, Wild Coast in August 2013
and the pursuit of co-management on four protected
Shackleton, S.E.
Journal of Environmental Management
Mkambati Nature Reserve, Eastern Cape, South Africa.
measuring the transaction costs of co-management in
455.
Cundill, G.

Blore, M.L.

Research Publications
Peer Reviewed Subsidy-Earning Journal
Engineering Research
Basin, South Africa.
and Their Impacts on the Vegetation Kromme River Peat
Nsor, C.A.

Research Publications
Peer Reviewed Non-Subsidy-Earning Journal
CEEPA Discussion Paper
welfare in the Kalahari drylands of South Africa. In:
Environmental resources dependence and household
Number 370
Dependence on natural resources: Evidence from the
Thondhlana, G.

and Muchapondwa, E. (2013)
Development Programme
C.M., Gambiza, J. and Fabricius, C. (eds.).
ecosystems and improving resilience. In: Shackleton,
land management (SLM) projects in rehabilitating
lessons for improving future effectiveness of sustainable
Small Island States (SIDS) Portfolio Project (Africa Region):
A review of the Least Developed Countries (LDC) and

Turk, B.K.

Perissinotto, R., Stretch, D.D. and Taylor, R.H. (eds.).
M.S. and Barnes, K.B. (2013) The Wetlands. In:
Ellery, W.N.

Ecosystems
Monteiro, J.P . and Medeiros, A. (eds.).
dynamics of a severely eroded wetland system, prior to
, Riddell, E.S., Lorentz, S.A., Kotze, D.,

DEPARTMENT OF ENVIRONMENTAL SCIENCE
BOOKS/CHAPTERS/MONOGRAPHS
Ellery, H.N., Ridder, E.S., Lenzer, S.A., Kusters, D.,
 dynamics of a severely eroded wetland system, prior to
Alkaves, L., Sigot, T., Chambé, A. de. Hais, M. T.,
Handl, P. and Velevski, A. (eds.). Groundwater and

Ellery, W.N., Cundill, S.E., Grewell, H.C., Humphreys,
M.S. and Barnes, K.B. (2013) The Wetlands. In:

Turk, B.K.

Perissinotto, R., Stretch, D.D. and Taylor, R.H. (eds.).
M.S. and Barnes, K.B. (2013) The Wetlands. In:
Ellery, W.N.

Ellery, W.N.

Thondhlana, G.

Ellery, W.N., Cundill, S.E., Grewell, H.C., Humphreys,
M.S. and Barnes, K.B. (2013) The Wetlands. In:

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Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


Introduction

The Fine Art Department experienced a very productive year in terms of research, resulting in a broad range of research outputs. These included creative practice as research as well as academic publications and papers presented at conferences.

Accredited publications include one (1) book, two (2) book chapters, and ten (10) peer-reviewed journal articles. Six (6) papers were presented at various conferences, three (3) of them international.

In terms of practice as research, staff members produced two (2) solo exhibitions/installations and one (1) international solo performance. They also contributed to twenty (20) group exhibitions, performances and events, of which eight (8) were international. In addition, staff were involved with the curation of four (4) exhibitions.

Postgraduates/Graduations

Fine Art postgraduate students authored one (1) published book chapter and five (5) accredited journal articles (one of which is co-authored with a staff member).

Distinguished Visitors/Overseas Visitors

The Fine Art Department hosted five distinguished visitors: Dr Carol Hofmeyer, director and founder of the Keiskamma Trust; specialist bookbinder, Ms Heléne van Aswegen; and artists Mr Nigel Mullins, Ms Monique Pelser and Ms Christine Maree. Professor Dominic Thorburn was hosted by the University of Utah, as a visiting artist and academic.

Significant Research Aligned Events

Practice as research outputs were notable with four staff members exhibiting/performing internationally:

- Mr Brent Meistre exhibited work in China, Portugal, Australia and Canada;
- Ms Christine Dixie exhibited work at the Smithsonian National Museum of African Art, USA;
- Ms Natalie (Rat) Western produced a solo performance in Wales;
- Professor Maureen de Jager exhibited work in France.

In addition, Professor Dominic Thorburn served on the curatorial committee of the South African Pavilion to the 55th International Venice Biennale Art Exhibition in Italy. Once again, the Department had a strong staff presence in the National Arts Festival, with Mr Brent Meistre exhibiting Sojourn and Across My Father’s Fault on the Main Programme.

The Fine Art Focus Area, Visual and Performing Arts of Africa, continued to foster interesting research, particularly through a series of lunchtime seminars titled Lucid Lunchbox. As an extension of the Arts Lounge started at the 2011 National Arts Festival, Lucid Lunchbox was co-ordinated by one (1) postgraduate student and one (1) undergraduate student, and featured talks and Skype interviews with a number of local artists.

A further highlight was the Department’s hosting of Dr Carol Hofmeyer, director of the Keiskamma Trust, who was awarded an Honorary Doctorate at the 2013 Graduation Ceremony.

Professor Maureen de Jager
Acting Head of Department
Books/Chapters/Monographs


Concerts/Exhibitions/Performances/Events/ Workshops

De Jager, M.S.


Meistre, B.A.


Overseas Visits

Thorburn, D. University of Utah, Salt Lake City, United States of America. Visiting Artist and Academic, Department of Art and Art History, University of Utah. 15 - 30 October 2013.


Research Publications


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


As part of their collaborations, Professor Fox presented a paper at the 5th Nordic Geographers Meeting held at the University of Iceland, Reykjavik, in June 2013. Professors Åsa Danielson and Per Ascono visited the department as part of the same Nordic collaboration.

Professor Rowntree contributed to teaching three weeks of lectures at Linköping in the course, Sustainable Resource Management, part of the inter-disciplinary MSc on Science for Sustainable Development offered by the units for Water and Environmental Studies and Technology for Social Change in the Department of Thematic Studies (TEMA). A formal seminar titled, A political geoecological framework for the conservation and management of Africa’s riverine ecosystems: a case study of the Kuiseb River, Namibia, was presented to the Water and Sanitation Seminar Series, Water and Environmental Studies Unit.

In an ongoing collaboration with Professor Ian Foster (Northampton University), Professor Kate Rowntree visited field sites in the catchments of the River Nene, Northampton area and the River Avon, Dorset with PhD students. She discussed research design to investigate:

a. the sediment budget and sediment source tracing in the River Nene and

A formal seminar was presented to the School of Science and Technology seminar series: “GAI and the Ecostatus model for South African rivers: integrating geomorphology into the classification of ecological condition”.

Professor Thembela Kepe, originally from Grahamstown and now at Toronto University, visited the department between May 2013 and June 2013 as a leave replacement for Professor Roddy Fox. He is conducting research on rural...
significant research aligned events

Christel Hansen led a team of four, including Rosie Dwight, David Scott and Liesel Rudolph to conduct field research in Western Dronning Maud Land Antarctic as part of the 2013/14 Austral Summer annual field season. The researchers spent two weeks at the Norwegian Troll station and three weeks at SANAE IV the South African research station. The project they are involved in deals with landscape processes in Antarctic Ecosystems under the leadership of Professor Ian Meiklejohn.

Distinguished Visitors


International Visits

Fox, R.C. Linköping University, Linköping, Sweden. Linnaeus-Palme teacher exchange. 6 - 13 May 2013.


Rowntree, K.M. University of Northampton, Northampton, United Kingdom. Visited field sites in the catchments of the River Nene, Northampton area and the River Avon, Dorset with PhD students. Discussed research design to investigate (a) the sediment budget and sediment source tracing in the River Nene and (b)

Rowntree, K.M., Linköping University, Linköping, Sweden. Contributed three-weeks of lectures and seminars to the course: Sustainable Resource Management, part of the Interdisciplinary HSS on Science for Sustainable Development offered by the units for Water and Environmental Studies and Technology for Social Change in the Department of Thematic Studies (TEMA).


Peer Reviewed Non-Subsidy-Earning Journal Publications


Other Publications


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


Ms Rosie Dwight (Masters Student) setting up a plot at Robertskollen, Antarctica, to determine the role of landscape dynamics in providing a habitat for biodiversity.
DEPARTMENT OF GEOLGY

Introduction

In the past three years the Department has seen the arrival of three new academic staff members: Professor Yong Tao (2013), Professor Annette Götze (2012), and Dr Peter Horváth (2013), with the retirement of our long-standing B-Rated Professor J.S. “Goonie” March at the end of 2012. This represents a major transitional phase in the research history of the Department.

In 2013 the department produced twenty-one (21) journal publications, a significant increase from 2012, as anticipated. In addition, staff members contributed to nineteen (19) conference presentations, in which Professor Annette Götze was particularly active, plus hosting seven (7) distinguished visitors from abroad for research-related interactions. There are also two (2) international visits by Rhodes staff.

The Department's productivity in 2013 can be attributed to a relatively well-balanced "attack", where contributions came from all members of staff. The Department is also host to the largest number of research postgraduate students in its history, also fairly well-spread out amongst the staff. This is reflected in our graduation rates and in a generally significantly enhanced research culture.

The new electron microscope remained busy since it became operational in April 2012, and this productivity is being increasingly manifested in probe-derived publications as anticipated.

Postgraduates/Graduations

At this year’s graduation ceremony, the Department celebrated the graduation of four (4) research M.Sc. students and eleven (11) M.Sc. graduates from the department’s prestigious Exploration Geology M.Sc. programme, including Mr Corus Naudé who achieved a Distinction for his efforts. This represents our largest ever graduation of a postgraduate class.

In addition, the Department celebrated the graduation of twelve (12) Honours and seventeen (17) B.Sc. students. The graduates from the Exploration M.Sc. Programme also incorporated a significant increase in industry-oriented research-related activity into their dissertations, a noteworthy development.

Distinguished Visitors/Overseas Visits

In 2013 the Department continued to be well-favoured in terms of international visitors bringing specialist expertise with emphasis on multidisciplinary studies of Karoo geology, several with particular interest in the Earth’s most devastating mass extinction event, 250 million years ago. Professor Robert Gastaldo (Colby College, USA) returned for six months courtesy of a Fulbright Fellowship and taught an Honours course in our Department, in addition to his research activities.

Other visitors with research interests focusing on palaeontology included Professor Kate Tinsley (Curtin University, Australia), Dr Corraad Labandeira (Smithsonian Institute, USA), Professor John Geissman (University of Texas, USA), Dr Sandra Kamo (University of Toronto, Canada), Professor Marion Bamford (University of the Witwatersrand, South Africa) and Dr Johann Neveling (Council for Geoscience, South Africa). Professor Annette Götze and Dr Gelu Costin both spent time in Europe, Germany and France, respectively, on research visits in 2013.

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The Department has continued to maintain its recent high levels of postgraduate research activity, and with our new analytical equipment and research projects, as well as new staff, we continue to look forward to the next few years with anticipation.

Dr Steve Prevec
Head of Department

DEPARTMENT OF GEOLOGY
PUBLICATIONS

Books/Chapters/Monographs

Blasted Magnetite Volcanics
Banford, M. University of the Western Cape. Research collaboration, field work, April 2013.


Gabson, J.W. University of Texas, Dallas (Texas), United States of America. Research collaboration, field work, April 2013.

Kamo, S. University of Toronto, ON, Canada. Research collaboration, field work, August 2013.


Trujillo, R. Curtin University (Western Australia), Perth, Australia. Research collaboration, October 2013.

Peer Reviewed Non-Subsidy-Earning Journal Publications


Tectonophysics

of pseudotachylyte melts: Evidence from Pan-African
of host rock mineralogy and H₂O content on the nature
T.K.

Timing of Ti-magnetite crystallisation and silicate
Consilient evidence from Kalahari Drainage Evolution.

Evolution and Ages of Makgadikgadi Palaeo-lakes:
Moore, A.E.

Indicator Mineral (KIM) Anomaly in the Central Kalahari,
Moore, A.E.

Anatomy of a Distal Kimberlite
Moore, A.E.

Planetary Sciences

of Plant-Insect Dynamics.
Labandeira, C.C.

Biology

Labandeira, C.C.

Labandeira, C.C.

Howarth, G.H.

Howarth, G.H.

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Palynological records of South Africa’s coal deposits: clue to decipher South Africa’s Permian coal deposits: clue to decipher

greenhouse signals for cross-

of the Permian Ecca Group (Karoo Basin, South Africa): Utilizing climatic icehouse-greenhouse signals for cross-

Prevec, R. and Prevec, S.A. Palynological records of the Early Permian icehouse-greenhouse transition (ECCA Group, South Africa) Green planet: 400 million years of climate change. Green planet: 400 million years of climate change.

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The highlight of the year was the hosting of the "Legacies of the Apartheid Wars" Conference under the umbrella of the Department. The conference was very ably co-ordinated by Ms Theresa Edlmann in her capacity as Director of the Legacies of Apartheid Wars (LAWS) project. She was assisted by a willing team of postgraduate and graduate students.

The conference included an 'open day' that comprised part of the Thinfest programme of the National Arts Festival. Invited guests included acclaimed novelist Mark Behn, filmmaker Janet van Eeden and photographer John Liebenberg.

Ms Theresa Edlmann, together with Chris Doahary from the University of Witwatersrand (Wits) School of Arts, staged the exhibit "Mekhonjo! On the Other Side" that provided a visual and textual account of their conversations with SWAPO ex-combatants.

Janet Cherry from Nelson Mandela Metropolitan University (NMMU) hosted a conversation with Amabutho, former members of militias that participated in the Port Elizabeth township uprising of the 1980s. These sessions attracted considerable public interest.

The academic proceedings were equally successful and engaging. Professor Gary Baines provided the keynote address. A number of international and local academics, as well as veterans, made significant contributions to the discussions.

Dr Daniel Conway, a lecturer at the UK’s Open University and author of Masculinities, Militarisation and the End Conscription Campaign added an element of controversy. And a comparative dimension was introduced by Alistair Little and Wilhelm Verwoerd who shared their experience of counselling perpetrators and victims of the Northern Irish conflict.

Dr Enocent Msindo attained a C2 rating from the NRF. He joins Professor Baines in the ranks of the Department's rated researchers.

Carla Tsampiras was awarded her PhD for a thesis titled 'Politics, polemics and practice: A history of narratives about, and responses to, AIDS in South Africa, 1980-1995'. Her supervisor was Distinguished Professor Paul Maylam.

Two of Dr Alan Kirkaldy's doctoral candidates also graduated in 2013. They were Vumile Nogemane who was awarded the degree for a thesis titled 'A study of the first group of Friars Minor (Franciscans) in South Africa', and Ulrich van der Heyden for a thesis titled 'GDR development policy with special reference to Africa, c.1960-1990'.


Books/Chapters/Monographs


Research Papers Presented at Academic/ Scientific Conferences (Proceedings, Booklets and Attendance)


DEPARTMENT OF
Human Kinetics & Ergonomics

Introduction

The Department of Human Kinetics and Ergonomics had another successful year with excellent representation at national and international conferences, many journal publications and a continuation of their high postgraduate graduation rates.

Postgraduates/Graduations

The department graduated eight (8) honours students (2 with distinctions) and ten (10) MSc students (3 with distinctions) in April 2013.

Distinguished Visitors/Overseas Visitors

The department hosted four visitors in 2013, who stayed for varying lengths of time. These included:

• Professor Andrew McKune from the University of KwaZulu Natal who presented his work on inflammatory responses and exercise.
• Anna Marsh, an ex-student, currently working as a Nutrionist in the United Kingdom, gave a public lecture on the Paleo diet.
• Professor Malcolm Collins, a NRF B-Rated scientist from the Exercise Science and Sports Medicine (ESSM) research unit at the University of Cape Town (UCT) presented his research on genetic markers in performance and injury.
• Professor Cas Badenhorst, from Anglo-American also visited the department to present their Ergonomics Programme.

Significant Research Aligned Events

A number of staff and a record number of postgraduate students presented their work at national and international conferences with seven (7) of our postgraduates represented at the Rhodes University Inter-Disciplinary Postgraduate Conference which was held in September 2013.

Professor Matthias Goebel was on sabbatical during 2013 and during that time published two (2) subsidy earning journal publications, one (1) non-subsidy earning publication and several conference proceedings.

Mr Jonathan Davy published as first author, and co-author with Professor Matthias Goebel, in the journal, Ergonomics, which is an international journal of high standing in the field of Ergonomics. He also published in a local journal with Professor Goebel.

Dr Swantje Zschernack and Ms Miriam Mattison published work with some of their postgraduate students in our national journal, Ergonomics SA.

Dr Candice Christie and three (3) PhD students, David Goble, Lee Pote and Robert Jones, attended the Australasian Sports Medicine Congress in Phuket, Thailand and had their abstracts published, one with Mr Andrew Todd, in the prestigious international journal, Journal of Science and Medicine in Sport.

Ms Janet Viljoen (PhD student) also had a successful year publishing in a national journal and presenting her work at the European College of Sports Sciences Congress in Barcelona, Spain.

Mr Andrew Todd continued his extensive efforts with Ergonomics legislation within South Africa and recognition by the Department of Labour. He continued to promote the profession of Ergonomics and our department extensively throughout the country and internationally, work that is not often...
recognized but important for the profession and the Department of Human Kinetics and Ergonomics. He continues to serve as the Chairperson of the Ergonomics Society of South Africa.

A noteworthy publication was that of Dr Candice Christie who published with several international researchers in a journal of high impact (3.58), the International Journal of Behavioral Nutrition and Physical Activity. This international collaboration sought to identify research priorities for child and adolescent physical activity and sedentary behaviours. She has also published extensively with her students and represents the department as a Strategic Member on the ‘Exercise is Medicine’ South African branch as well as on the Research Committee of Cricket South Africa.

DEPARTMENT OF HUMAN KINETICS & ERGONOMICS

PUBLICATIONS

Peer Reviewed Non-Subsidy-Earning Journal


Peer Reviewed Subsidy-Earning Journal


Davy, J.P. Warming up to the night; exploring a novel shift system design to ease the transition into night shift work. Rhodes University 5th Interdisciplinary Postgraduate Conference. Grahamstown, South Africa. September 2013.

Professor Warren Witte (MSc Student), surfacing after a successful dive from releasing hatchery reared abalone. The project is aimed at restoring the natural abalone stocks and creating a sustainable abalone fishery off Cape Recife, in Port Elizabeth.

Professor Tony Booth continued with his research on the impacts of alien fishes, producing a number of publications.

Professor Horst Kaiser continued the research program on aquatic animal health through projects that studied fish and abalone health. A project on dusky kob culture in ponds was established in Mtunzini. Collaborations with other Universities included projects in fish health through novel methods of parasite treatment (University of the Western Cape), health of catfish in the Kruger National Park (University of Pretoria), a project on yellow fish hybridisation (South African Institute of Aquatic Biodiversity) in South Africa, and joint student supervision by collaborating with the Department for Farm Animals and Veterinary Public Health, University of Veterinary Medicine, Vienna, Austria. He also helped organise the academic program of the international conference “Larvi”, held in Belgium.

Professor Keven Cochrane completed his second year in the position of Professor Extra-ordinary at DIFS. He took up the lead role of Principal Investigator of the project within the Belmont Forum and G8 Research Councils Initiative on Multilateral Research Funding on “Global learning for local solutions: Reducing vulnerability of marine-dependent coastal communities”, supervising a number of postgraduate students. He is working on a contract with World Wildlife Fund (WWF) South Africa on studying the Klipfontein small-scale fishery and with WWF South Africa/Responsible Fisheries Alliance on “Informing effective policies for responsible fisheries in South Africa.” He was appointed Associate Editor for the African Journal of Marine Science and as a member of the Editorial Board of Fish and Fisheries. He took up the position of Independent Chair of the Steering Board of the Global Initiative on Seaweed Sustainability (GISIS).

Dr Cliff Jones continued his work on the Water Research Commission (WRC) funded project, supported also by South African Breweries (SAB), and in collaboration with Environmental Biotechnology, Rhodes University (EBRU), that aims to better understand the processes involved in nutrient removal from high rate algal ponds used to treat industrial effluent. He also supervised the investigation process into the possibility of using filter-feeding fish to “harvest” unicellular algae from these ponds. In addition to this, he collaborated with other staff members on a number of abalone physiology, behavior and nutrition projects that are aimed at supporting the growth and development of the local abalone farming industry in South Africa.

Professor Peter Britz’s abalone ranching project to restore depleted abalone populations in the Eastern Cape is an innovative THRIP-industry partnership which is yielding promising results. He continued research on abalone and dusky kob diet development for aquaculture in partnership with industry and the Department of Agriculture, Forestry and Fisheries.
Dr Warren Potts continued with a long-term fisheries and climate research program in Angola and implemented an ambitious acoustic telemetry project, in collaboration with the Ocean Tracking Network. Two PhD students are currently working on this project. His recreational fisheries research continued in South Africa and he developed a partnership with the South African Fishing Tackle Agents and Distributors for the development of future research projects. He was invited to speak at the NEPAD organised think-tank on the "impacts of climate change on African fish and fisheries" and organised a workshop, through a Norwegian funding grant, for twenty-two (22) delegates from southern Africa and Norway to discuss the higher education needs for fisheries management in southern Africa.

**Distinguished Visitors/Overseas Visits**

- A visit from Dr Gretta Pecl from the University of Tasmania to collaborate on a research program on climate change and fisheries.
- A visit to eight (8) African countries by Professor Warwick Sauer to present courses on fisheries management to senior managers.
- Professor Sauer visited Brazil to present at an international conference and complete a book chapter on the effect of climate change on squid fisheries.
- A visit from Professor Shaw from Aberystwyth University, Penglais, Aberystwyth, Wales, to collaborate on squid research.
- Experts from Europe and Africa (22) were involved in a workshop organised through DIFS to evaluate the higher education need for fisheries management in southern Africa.
- Involved an African think tank to discuss impacts of climate change on African fisheries and aquaculture.
- Hosted an FAO course on the Ecosystem Approach to management, attended by delegates from nine (9) countries.
- Hosted a visit from Zhejiang Ocean University in China to develop an Memorandum of Understanding (MOU) with the DIFS around research and teaching.

**Significant Research Aligned Events**

- The African Centre for Capacity Development in Ocean Governance (AfriCOG) was launched in Cape Town, with an address by the Vice Chancellor.
- An agreement signed with the South African Institute for Aquatic Biodiversity to build and equip an Eco physiology laboratory, to be completed in 2014.

Professor Warwick Sauer
Head of Department
Books, Chapters, Monographs


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications

209. reach. immediate impact of rotenone treatment in an invaded River, Cape Floristic Region, South Africa, and the Jordaan, M.S. (2013) Fish distributions in the Rondegat River system - part of Dr Olaf Weyl’s research program into rehabilitating fish communities, illustrated by a case study on the Rondegat River - part of Dr Olaf Weyl’s research program into rehabilitating fish communities, illustrated by a case study on the Rondegat River from the Cape Floristic Region, South Africa. Zootaxa 3686 (5). p.565-577.


472.

Parker, D. and Booth, A.J. (2013) The tongue-replacing isopod *Cymothoa borbonica* reduces the growth of 


386.


component for juvenile *Haliotis midae* in an abalone raceway. *Aquaculture*, 392-395 (2013). p.23-

25.


temporal assessment of the *Trachinotus botla* stock component for juvenile sea cucumber 

*Holothuria scabra* in an abalone serial-


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


DEPARTMENT OF
Information Systems

Introduction
The Department of Information System’s research focus areas include: Cloud Computing, Human-Computer Interactions, Health Informatics, Business Analytics, Social Networks, Virtual Partnerships, IT in Education, ICT for Development, Service Management, and IT Governance. These activities produced five (5) journal articles and eleven (11) conference papers in 2013.

Postgraduates/Graduations
A total of forty-one (41) postgraduate students, comprised of thirty-two (32) Honours students and nine (9) Masters students, engaged in a variety of research projects during 2013. At the graduation ceremony in April 2013, we celebrated the graduation of one (1) PhD student, two (2) Masters students, and thirty-two (32) Honours students.

Distinguished Visitors/Overseas Visits
Professor Anthony Maeder (University of Western Sydney) spent valuable time in the department assisting with the development of a new honours module in Health Informatics to be offered for the first time in 2014. This module will further support the research efforts in the field of eHealth.

In addition, Ms Brenda Mallinson (Research Associate) continues to contribute to the research efforts of the department and makes a valuable contribution in the area of eLearning. Similarly, Professor Sue Camper (Visiting Professor, University of Dallas) spent valuable time in the Department working and collaborating with staff and students on various research projects.

Significant Research Aligned Events
The Departments of Information Systems and Computer Science again hosted the annual Eastern Cape ICT Research Rumble at the Gavin Relly PostGrad Village, Rhodes University. The event was a collaborative effort between the Department of Computer Science and Information Systems at Rhodes University, Nelson Mandela Metropolitan University (NMMU), Walter Sisulu University (WSU), and the University of Fort Hare (UFH). Again, the conference was a great success and promises to foster greater research collaboration between these four Universities.

University of Fort Hare spent valuable time in the Department working and collaborating with staff and students on various research projects.

Photo: Paul Greenway

DEPARTMENT OF INFORMATION SYSTEMS

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Photo: Paul Greenway
The department continues to have support of industry partners Singular Systems, Business Systems Group (BSG) and Open Box who all contribute towards our Research and Development Fund. This fund supports research efforts and staff development within the department.

Professor Greg Foster
Head of Department

DEPARTMENT OF INFORMATION SYSTEMS
PUBLICATIONS

Concerts/Exhibitions/Performances/Events/Workshops


Distinguished Visitors


Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Khene, C.J.
Khene, C.J., Luton , R., Jordan, T., Widhorel, S., Samuel-Groches, C., Sibhalala, A., Dereny , J., Mshina, ...


SCHOOL OF JOURNALISM & MEDIA STUDIES

Introduction

Staff members of the School of Journalism and Media Studies engaged in a variety of research activities during 2013. Outputs include journal articles and scholarly book chapters, but also articles in popular media in which academic research was communicated to a wider audience around issues of public interest, such as media transformation and freedom of expression. Staff participated in conferences locally and internationally, paid visits to colleagues at universities abroad, and received international visitors that contributed to the research culture of the School.

The Mellon-funded Focus Area project, co-directed by Professor Herman Wasserman and Professor Anthea Garman, on ‘Media and Citizenship: Between Marginalisation and Participation’ continued to produce several publications and conference papers, and the first group of MA students completed their theses in this area.

A study on youth identity, media and the public sphere, led by Professor Jane Duncan and funded by the South Africa Netherlands Research Programme on Alternatives in Development (SANPAD), drew to a close with the publication of a baseline study of youth identity, the media and the public sphere.

Several members of staff from the School of Journalism and Media Studies participated in the project, a collaborative effort with colleagues from Windesheim University in the Netherlands, the University of Cape Town and the media analysis company Media Tenor.

Distinguished Visitors/Overseas Visitors

Professor Anthea Garman travelled to Australia during her sabbatical to visit colleagues working in areas related to the Mellon project. She also presented lectures on her own research at the University of Wollongong.

Professor James Arvanitakis from the University of Western Sydney, Australia, visited the School to meet with colleagues and students working on the project and to present his own work.

Professor Lorenzo Dalvit visited the Bruno Kessler Foundation in Trento, Italy to discuss his work on mobile and wireless media in marginalised communities.

Professor Herman Wasserman was invited to present a keynote lecture on China’s media investments in Africa at the Forum for Media Development in Berlin, Germany.

Significant Research Aligned Events

Professor Jane Duncan made a presentation to the Taxi Team investigating transformation in the Print and Digital Media.

Professor Anthea Garman curated the programme for the Think-Fest programme of public lectures as part of the National Arts Festival.

Several staff members of the School as well as postgraduate students presented papers at the South African Communication Association’s annual conference, which was held at the Nelson Mandela Metropolitan University (NMMU) in Port Elizabeth.

The School was also represented by several staff members at the International Association for Media and Communication Research’s annual conference, held in Dublin, Ireland.

Professor Herman Wasserman

Deputy Head of School
SCHOOL OF JOURNALISM AND MEDIA STUDIES
PUBLICATIONS

Books/Chapters/Monographs


Concerts/Exhibitions/Performances/Events/Workshops


Distinguished Visitors

Arvanitakis, J., University of Western Sydney, Sydney, Australia. Lectures and research collaboration with the Mellon Focus Area in Media and Citizenship. April 2013. Organiser: Garman, A.C.

International Visits


Other Publications


Writing Workshop run for the School of Journalism and Media Studies, by Dr Pamela Nichols, the Director of the Wits Writing Centre, Dr Nichols is at the head of the table, Photo: Elize Du Plessis


Introduction

Law Faculty staff continued to pursue a wide range of research interests and activities in 2013. A total of twelve (12) peer reviewed subsidy-earning articles and one (1) peer reviewed non-subsidy earning academic article on a wide range of topics in both national and international journals, one (1) book chapter and one (1) book were published by the staff in the Faculty of Law.

Staff delivered seventeen (17) papers at conferences, six (6) of which were international conferences. Three (3) members of staff attended a self-initiated writing retreat weekend away, which directly resulted in the production of three (3) articles in accredited journals.

Following this success, two more such weekends are planned for 2014.

However, research activities were not limited to formal publications, and most staff were involved in research to support initiatives such as human rights education (e.g., via publications used by the Law Clinic and the law student Nthuthuko Legal Activism Society in their community outreach programmes), advocacy initiatives aimed at the framing of policy and legislation, and human rights litigation.

Other such research activities included:

- Ms Helen Kruuse conducted focus group interviews in Msunduzi (October 2013) and Khayelitsha (December 2013) for a research project on the practical application of the Recognition of Customary Marriages Act.
- Professor Jobst Bodenstein coordinated a quantitative research project on behalf of the Association of University Legal Aid Institutions (AULAI) which annually collects and produces electronic data on South African law clinics. He was also the contents coordinator of the 2013 AULAI winter workshop.
- Professor Graham Glover continued in his role as Managing Editor of the South African Law Journal.
- Dr Helena van Coller attended a Facilitation Skills training workshop (a ‘Train the trainers’ course) on human rights and the law.
- Professor Glover, Dr van Coller and Dr Gustav Muller attended a training course on editing and proofreading for academic purposes, organised by the Dictionary Unit of South Africa, and presented by John Linnegar.

Distinguished Visitors/Overseas Visits

Professor Hennie Strydom, National Research Foundation (NRF) Chair in International Law at the University of Johannesburg, was a Distinguished Visiting Professor in the Faculty for three weeks in May 2013. He gave specialist lectures in international human rights to final year LLB students, and made a presentation to staff and postgraduate students on emerging themes in international law research.

Professor Robin Fretwell Wilson, Director of the family law and policy programme at the College of Law, University of Illinois, made presentations to staff and students on family law and research ethics issues.

Associate Professor J. Campbell
Dean Faculty of Law
FACULTY OF LAW
PUBLICATIONS

Books/Chapters/Monographs


Other Publications


Concerts, Exhibitions, Performances, Events, Workshops


Other Publications


Human Rights, 28 (1). p. 150-152.


Research Papers Presented at Academic Scientific Conferences (Proceedings, Booklets and Attendance)


Muller, G. Teaching neighbour law in a dynamic property law curriculum. Alumni Week of the South African Research Chair in Property Law (CSR) Lekke Lwinyi Mandela University, Port Elizabeth, South Africa. July 2013.


Introduction

The Department of Management during 2013 continued to integrate the development of research skills into its teaching, particularly at the fourth-year level where students are exposed to a research methodology module. The Department also offers a structured research component on the Masters programme.

During 2013, fourteen (14) Masters students and seven (7) PhD students were registered in the Department. Of these five (5) Masters students and one (1) PhD student will graduate at the 2014 graduation ceremony.

Staff of the Department co-authored textbooks as well as contributed chapters to textbooks in the areas of Strategic Management, Cost Accounting and Operations Management. They also presented their research as abstracts and papers at local and international conferences in countries such as Austria. Staff also published their research work in journals.

Professor Lynette Louw, reported that the Sandisa Imbewu project, entitled “Chinese organisations in Sub-Saharan Africa: New dynamics, new synergies” has gathered data from South Africa, Uganda and Tanzania with further data currently being gathered in Cameroon. A fourth proposal to gather data in Kenya is under consideration. A further contribution is the compilation of a comprehensive data base of eighty (80) Chinese organisations in Sub-Sahara coordinated by one of the Master’s students.

Furthermore, four (4) PhD and four (4) Master’s students are registered under the auspices of this project. One (1) Master’s student will graduate at the 2014 graduation while another three (3) are expected to graduate in 2015.

The project also hosted an international symposium on “China in Africa: Implications for Management, Implications for Change” in late 2013. The symposium was attended by delegates, including academics and Chinese business persons, representing eleven (11) different countries to which postgraduates also had the opportunity of presenting their research findings.

A number of international guests were also hosted including Dan Remenyi from the Henley Business School, Reading, United Kingdom who facilitated a research workshop for the Faculty of Commerce.

Distinguished Visitors/Overseas Visitors

International visits by staff members of the Department took place during the year. This included Mr Theus Louw and Professor Lynette Louw who lectured in Shanghai, China.
Books, Chapters, Monographs


Research Papers Presented at Academic, Scientific and Professional Conferences (Proceedings, Booklets and Attendance)

Adendorff, J., 2013. Distinguished Visitors


Peer Reviewed Non-Subsidy-Earning Journal:

Research Publications


DEPARTMENT OF MATHEMATICS

Introduction

The areas of current research interest in the Department are:

- Fuzzy set theory.
- Functional analysis, including measure theory and martingales.
- Geometric control, particularly invariant optimal control problems on matrix Lie groups of low dimension, primarily in aspects regarding controllability, geometry of extremals, stability, and integrability.
- Computational relativity, and in particular the calculation of gravitational waves from black hole interactions.
- Cosmology: general relativistic models, structure formation, alternative models of gravity.

Members of the Department published seven (7) articles in accredited journals, and made five (5) presentations at international conferences, as well as three (3) presentations at South African conferences.

Postgraduates/Graduations

In 2013 one (1) Doctoral student and two (2) Masters students completed their degrees, and a further eight (8) Doctoral and six (6) Masters students were supervised by the Department.

Distinguished Visitors/Overseas Visits

Our academic staff made research visits to the Czech Republic, France, Germany, Hungary, Romania, Turkey, United Kingdom and the United States of America, and we hosted distinguished visitors from Germany, Mexico and the United States of America.

Significant Research Aligned Events

- Dr Julian Larena received a Y1 rating from the National Research Foundation.
- The Department hosted the “Chris Engelbrecht” summer school on “Gravitational Wave Astronomy” with distinguished lecturers from Australia, India, Spain, United Kingdom and the United States of America.

Professor Nigel Bishop
Head of Department
Concerts, Exhibitions, Performances, Events, Workshops

Bishop, N.T., and Pollney, D.O. Hosting the workshop, “Chris Engelbrecht” summer school on Gravitational Wave Astronomy. The workshop hosted research students from throughout South Africa, and lectures were given by distinguished scientists: P. Ajith (International Center for Theoretical Sciences, Bangalore, India), S. Husa (Max-Planck Institute for Gravitational Physics, Potsdam, Germany), Y. Levin (Monash University, Australia), I. Mandel (University of Birmingham, UK), M. Tiglio (University of Maryland, USA). Rhodes University, Grahamstown, South Africa. 15 - 24 January 2013.


International Visits

Bishop, N.T. Sabanci University, Istanbul, Turkey. The gravitational wave strain in the characteristic formalism of numerical relativity. 13 May - 15 June 2013.


Bishop, N.T. Max-Planck Institute for Gravitational Physics, Potsdam, Germany. Extraction of gravitational radiation. 3 March - 1 April 2013.

Bishop, N.T. Goethe University, Frankfurt, Germany. Extraction of gravitational radiation. 21 - 22 April 2013.


Larena, J. Participant. “Chris Engelbrecht” summer school on Gravitational Wave Astronomy. The workshop hosted research students from throughout South Africa, and lectures were given by distinguished scientists: P. Ajith (International Center for Theoretical Sciences, Bangalore, India), S. Husa (Max-Planck Institute for Gravitational Physics, Potsdam, Germany), Y. Levin (Monash University, Australia), I. Mandel (University of Birmingham, UK), M. Tiglio (University of Maryland, USA). Rhodes University, Grahamstown, South Africa. 15 - 24 January 2013.


Remsing, C.C. Masaryk University, Brno, Czech Republic. Research collaboration. 24 - 30 August 2013.

Remsing, C.C. West University of Timisoara, Timisoara, Romania. Research collaboration. 24 - 30 August 2013.

Remsing, C.C. School of Systems Engineering, University of Reading, Reading, UK. Research collaboration. 15 - 21 May 2013.


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


mixtures.

Application of chemometrics to identify pesticides in environmental monitoring and assessment.


Note di Matematica. 33 (2). p.16-33.


Peer Reviewed Subsity-Earning journal Research Publications:


Bishop, N.T. Gravitational wave astronomy. Astronomy Telescope Meeting. (Thema Luna, Cape Town, South Africa. August 2013)

Postgraduates/Graduations
These postgraduate students perform at concerts, are members of community engagement projects based in the department, conduct research on topics approved by the HDC, and are encouraged to involve themselves in as many scholarly activities as possible. These include participation in conferences, presenting at departmental seminars, and publications. Regarding the latter, a PhD student has published a number of articles in the past two years, while an Honours graduate won a competition for an article yet to be published in an accredited SA journal on music. It is the second year running that a postgraduate student in the department receives this accolade.

Among the 2013 cohort of postgraduate students, there were two (2) BMus students, four (4) Honours degrees awarded, and one (1) Masters degree was awarded with a distinction.

Distinguished Visitors/Overseas Visitors
The Department hosts concerts by leading performers from South Africa and overseas on a regular basis, and performance students also perform on occasion either as part of their assessments or for the general public. These concerts are vitally important for music students, and they also attract members of the community. In 2013 the Department of Music hosted three (3) concerts by visiting performers; two (2) from South Africa and one (1) performer from Germany/Israel.

Significant Research Aligned Events
The Department has recently introduced research seminars for postgraduate students and staff members. Staff members, students and guests, if available, presented a half-hour presentation on their research. This activity encourages the development of presentation skills, aids the processing of research data, and helps meet deadlines and improve the quality of research.

Introduction
The emphases in the department are in strengthening instrumental music studies and in cultivating an interest in music studies, be it historical musicology, jazz or ethnomusicology. Accordingly, the interests of staff members mirror these different aspects of music studies. Staff members and several music students are mostly engaged in performance, some of which transpire locally while others occur in other parts of South Africa. Since most staff members are widely recognised for their performance abilities, many serve as adjudicators and examiners of practical examinations and competitions at other institutions. These performance activities constitute the bulk of our activities that one may consider as departmental outputs.

Staff members also delivered papers on their interests and their research at local and international fora. One of the changes from the past is that postgraduate students also participated in national and international conferences. This has resulted in invitations for publishing their research in various journals.


Read of Department (2012-2013) and President of the South African Society of Music Teachers, Dr. Jeff Brukman, presents a paper at the SASRIM Conference.


other Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


Introduction
The International Library of African Music (ILAM) is a research institute and heritage archive devoted to research, preservation and dissemination of collections of field recordings of African music. Since 1954 ILAM has published, African Music, an annual peer reviewed, accredited academic journal, the only journal in the world devoted to research on African music.

ILAM’s library holdings, photo collection and historic field recordings. Hugh Tracey, Andrew Tracey, Dave Dargie and Jap Kruger Collections are accessible from ILAM’s website via its online database.

From 2009-2013 ILAM conducted the ILAM-Red Location Music History Project, and oral history and outreach and education project on jazz in the New Brighton township which built a significant body of data on Eastern Cape jazz preserved at ILAM and is utilized to produce a permanent exhibition at the Red Location Museum in New Brighton, Port Elizabeth.

Distinguished Visitors/Overseas Visits
Dr Austin Emielu, ACLS scholar from Nigeria who was in-residence at ILAM in 2012 published an article from his research on guitar styles in Nigeria in the 2013 issue of ILAM’s journal, African Music.

ILAM’s Director, Professor Diane Thram visited the Berlin Phonogram-Archiv in Berlin, Germany in 2013. She attended the annual Ethnomusicology Symposium at the University of Dar es Salaam, Tanzania, the bi-annual conference of the Pan African Society for Music Education (PASEW) in Kampala, Uganda and the international conference of the Society for Ethnomusicology (SE) in the United States of America. She launched ILAM’s African music education textbooks published in 2012 and 2013 and presented at all of these events.

Significant Research Aligned Events
ILAM’s Director Professor Diane Thram curated a permanent exhibition and produced the exhibition opening concert entitled “Generations of Jazz”. The exhibition was curated from data collected since 2009 through oral history interviews, collection of historic photographs and audio-visual recordings, and photographs produced through documentation of interviews and outreach events of the ILAM-Red Location Music History Project.
Books, Chapters, Monographs


Concerts, Exhibitions, Performances, Events, Workshops


Research Publications


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


FACULTY OF 
Pharmacy

Introduction
The Faculty of Pharmacy had a highly productive year in terms of research outputs that included eighteen (18) peer-reviewed journal articles, fifty (50) conference presentations, three (3) book chapters and one (1) book by staff, research associates and students. Staff and students travelled widely and presented their research findings at international and national conferences and workshops in the United States of America, Italy, Germany, Bulgaria, Turkey, Slovakia, Turkey, Albania and Algeria.

Distinguished Visitors/Overseas Visits
The Faculty hosted seven (7) international and local visitors including Professor Du Charme (Canada), Professor Verbeeck (Belgium), Mr Knitter (Germany), Dr Kramer (Germany), Professor Lobenberg (Canada), Dr Stippler (United States of America) and Mr Smith (South Africa). Professor Izzy Kanfer spent time at KLE University in India on a research collaboration visit.

Significant Research Aligned Events
The Faculty once again hosted the 3rd International Biennial Meeting Conference on Bioequivalence and Dissolution Testing in December 2013. Approximately sixty (60) regulatory affairs and laboratory scientists attended the two day meeting on the latest developments and trends in the science of Bioequivalence and Dissolution testing.

The Faculty also held its Annual Research day in October 2013 at which all postgraduate students presented their research updates.

Professor Roderick B Walker
Dean of Faculty

FACULTY OF PHARMACY

Photo: Paul Greenway
Books, Chapters, Monographs


Concerts, Exhibitions, Performances, Events, Workshops


Distinguished Visitors

Ducharme, M., Université de Montreal, Montreal, Canada. Conference and collaboration. December 2013.

Kanfer, I., GLE University, Belgium, India. Lecture and research collaboration. December 2013.

Knitter, R.J., Cheilin, Heusenstamm, Germany.
Conference and collaboration, December 2013.

International Visits

Other Publications

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Peer Reviewed Subsidy-Earning Journal Research Publications


DEPARTMENT OF
Philosophy

Introduction
The Philosophy Department in 2013 was highly visible and active, maintaining its vibrant departmental culture of research and visiting speakers, and continuing its strong record of conference participation and publications.

Postgraduates/Graduations
A highlight of 2013 was the graduation of the department’s first two (2) PhD students, Rianna Oelofsen and Lindsay Kelland, of whom we are very proud. The department has a long record of graduating strong Masters students, and we hope that these two excellent students represent the start of an equally strong trend towards attracting and graduating doctoral students.

Distinguished Visitors/Overseas Visits
An important event for the department was the launch of the David Ryan Memorial Scholarship. Family and friends of the late David Ryan travelled from Australia to launch this very special and generous scholarship, in memory of a fine philosopher and old friend of many in the department. The distinguished philosopher, Professor Chris Cordner, from The University of Melbourne, delivered a fine guest lecture on ‘two modes of loving’ to honour David’s memory and the new scholarship.

The department was also delighted to host John Cottingham, Emeritus Professor of Reading University and Fellow of Heythrop College, as distinguished visiting Professor for a term in the first semester. Professor Cottingham is a regular visitor to our department and presented a characteristic, carefully thought-provoking and wide-ranging public lecture to the Rhodes and Grahamstown community. Later in the year, we were honoured to have Professor Silvia Federici, from Hofstra University, New York, also no stranger to Rhodes, deliver the DCS Oosthuizen Academic Freedom Memorial Lecture, on ‘Academic Freedom and the enclosure of knowledge in the global university’.

Significant Research Aligned Events
All members of staff either participated in or organized conferences and workshops both in South Africa and internationally. Professor Ward Jones organised a colloquium on ‘Facing death’, which attracted some of the key philosophers working in this area from around the world. Professor Pedro Tabensky organised a roundtable on Institutional Culture, one in his ongoing and influential series on issues in Higher Education, as well as a debate on Whiteness in South Africa. Professor Samantha Vice spoke at both events.

Graduate students were active in the South African philosophical community, presenting papers at the annual Philosophical Society of Southern Africa Conference, the Spring Colloquium. We are...
especially proud of the fact that Sharli Paphitis, a PhD student, published a paper in a peer-reviewed journal.

The Allan Gray Centre for Leadership Ethics (AGCLE), under the direction of Professor Tabensky, continued to raise the public profile of philosophy and to engage in new and creative ways with the national business sector and the local community. AGCLE and the Philosophy Department were happy to welcome Professor Barney Pityana to the Centre as a Research Associate and he will undoubtedly strengthen our research profile in the future.

(Chair) Professor Samantha Vice
Head of Department

DEPARTMENT OF PHILOSOPHY
PUBLICATIONS

Concerts/Exhibitions/Performances/Events/Workshops


Vice, S.W. Participant, Whiteness Debate. Rhodes University, Grahamstown. 10 May 2013.

American University, Washington, USA.


Distinguished Visitors

Cottingham, J. Research Fellow of Heythrop College and Emeritus Professor of University of Reading, Reading, United Kingdom. Distinguished Visiting Professorship at Rhodes, through the International Office. February 2013.

Cordner, C. University of Melbourne, Melbourne, Australia.


Other Publications

Tabensky, P.A. (2013) Tales of a Divided City. The lethal
Experimental Solid State Physics

Professor Makaiko Chithambo went on a research visit to the University of St Andrews in St Andrews, United Kingdom, 31 May - 16 June 2013. The purpose of the visit was to make radioluminescence and thermally stimulated luminescence spectral measurements on quartz and carbon-doped aluminium oxide, dosimeters of current research interest. Professor Chithambo also attended the 17th International Conference on Solid state dosimetry held in Recife, Brazil, 22-27 September 2013 and the Conference on Condensed Matter Physics held at the International Centre for Theoretical Physics in Trieste, Italy, 11-15 November 2013.

Dr Schadrack Nsengiyumva attended and presented a paper on ion implantation in synthetic quartz at the 12th International Conference on Plasma-based Ion Implantation and Deposition held in Pau, France, 1-7 July 2013. In December 2013, he travelled to iThemba LABS in Cape Town to meet with Dr Mira Topic. His collaborator in order to discuss a research project concerned with the effect of oxidation and oxygen implantation on hydrogen absorption in CP-Ti and Ti6Al4V alloy.

Professor David Roux attended the 32nd International Workshop on Nuclear Theory in the Rila Mountains, Bulgaria, where he presented a paper titled “Octupole correlations in 72 Ge”, which was subsequently published in the conference proceedings. He also attended the IASEN Conference on Radioactive Ion Beam Physics held at Somerset West in December 2013.

Professor Roux also participated in three nuclear physics experiments at iThemba Labs in the Western Cape. These experiments involved the use of a neutron wall in conjunction with the Affolter-gamma-detector array, and were designed to probe the nuclear wave function via deep...
inelastic transfer reactions using light ions. This is a method of working out the properties and characteristics of the nuclei under investigation. One set of the resultant data from the experiments is being analysed by Mr Sean Oates for his MSc at Rhodes University.

Dr Joey Medved continued his research in collaboration with Professor Ram Brustein of Ben Gurion University, Beer Sheva, Israel, in the area of "semi-classical aspects of quantum gravity". This entailed two six-week visits to Israel in 2013, one in July 2013 and another in November-December 2013. Their joint work led to five journal publications.

Postgraduates/Graduations
The following graduated with a Bachelor of Science with Honours:
- Andersen, Michael P, in Computer Science/Physics, with distinction.
- Kogel, Michelle Anne, in Mathematics/Physics, with distinction.
- Mkhize, Nhlakanipho Colin, in Chemistry/Physics.
- Oates, Sean Benjamin, in Physics.

- Strickland, Charles Robert, in Mathematics/Physics.
- Wentworth, Laura Claire, in Computer Science/Physics, with distinction.

The Department awards the Basil Schönland prize to the best student in the Physics Honours class provided the student obtains a first class pass in their final examination. The Basil Schönland prize for physics Honours, annually awarded to the best student in the Physics Honours class, was given to Laura Claire Wentworth.

The following students earned a degree of Master of Science as follows:
- Nyirenda, Angel Newton, B.Sc. (Malawi), in Physics, with distinction.

We were also pleased for Ms Kim McAlpine who graduated with a PhD in Physics.

Professor Makalako Chithambo
Head of Department

International Visits
Chithambo, M.L.
University of St Andrews, St Andrews, UK. Research collaboration in theoretical physics. 16 November - 20 December 2013.

Medved, A.J.M.
Ben Gurion University, Beer Sheva, Israel. Research collaboration in theoretical physics. 8 June - 22 July 2013.

Peer Reviewed Subsidy-Earning Journal Research Publications


Postgraduates/Graduates

Graduation for 2013 saw a highly credible performance amongst postgraduates: Two (2) students, Chris McMichael and Simon Howell, obtained their doctorates. Nearly a third of fifteen (15) Honours students and four (4) of ten (10) Master students obtained distinctions and eleven (11) students graduated with Diplomas in International Studies.

Distinguished Visitors/Overseas Visits

Two visiting scholars, Visiting Nelson Mandela Professor, Professor Amitav Acharya from the American University in the United States of America and Palestinian scholar, Dr Irene Calis from Cambridge University taught on “Comparative Regionalism” and “The Politics of the Middle East” respectively, while visiting lecturers Dr Geoff Pigman, formerly of Bennington College, Vermont, United States of America, and Dr Isaias Chachine of the College of Transfiguration in Grahamstown offered courses on “The Politics of Diplomacy”, “Contemporary Economic Diplomacy” and “Community Justice and Freedom” to students.

Dr Kwesi Aning, Director, Faculty of Academic Affairs, Kofi Annan International Peacekeeping Training Centre (KAPTC) in Accra, Ghana, and Mr Andrews Attah-Asamoah, Senior Researcher on the African Conflict Prevention Programme at the Institute of Security Studies (ISS), as well as Dr Paul-Simon Handy, Research Director, also at the ISS in Pretoria taught International Studies Diploma students on African Diplomacy, Peace-keeping and African Peace and Conflict.

Coordinated by Mr Richard Pithouse, the department, together with Sociology, held weekly seminars in its Critical Seminar Series, attracting both national and international scholars to its Friday seminars. The Ambassador to South Africa from Iraq, H.E Dr H. Al-Alawi, paid a visit to the department and gave a presentation on Iraq to undergraduates.
Significant Research Aligned Events

Professor Louise Vincent continued to engage in a major joint research project on "Cultural Sexual and Reproductive Health Studies" with published work from the project in process, with Dr Simon Howell, the department's postdoctoral fellow, working on the project.

Led by Professor Paul-Henri Bischoff, the Department, in May 2013, hosted an international conference with participants from across the continent, Britain and the Middle East on the theme "African Voices in the New IR Theory" while in August the third colloquium under the Thinking Africa Project led by Prof Leonhard Praeg and his team on "The Violence In The Great Lakes: The Thought of V.I. Mudimbe and Beyond" was held. Both the conference and the colloquium are to result in book projects.

In December 2013, as part of a joint research project on "Chinese in South Africa and Southern Africans in China" together with the School of International Relations at Jia Jian University in Guangzhou, China, Professor Paul-Henri Bischoff alongside researchers and fellow staff members Siphokazi Magadla and Mike Marava led a two week field trip to five cities in China.

Professor Paul-Henri Bischoff
Head of Department

DEPARTMENT OF POLITICAL & INTERNATIONAL STUDIES
PUBLICATIONS

Books, Chapters, Monographs


Iraq Ambassador Dr. Hisham Al-Alawi visits Political and International Studies and addresses students on Democratic Transition and Post-Conflict Reconstruction in Iraq.

From left: Ms. Siphokazi Magadla, Dr. Shingai Mutizwa-Mangiza, Dr. Peter Clayton, Dr. Sally Matthews, His Excellency the Ambassador of Iraq to South Africa, and an embassy official.


Hel–Bongo, O. Université Laval, Quebec, Canada. Thinking Africa, Colloquium. August 2013.


Olivier, B. Nelson Mandela Metropolitan University, Port Elizabeth, South Africa. Lecture. April 2013.


Vetten, L. Independent Researcher, Johannesburg.

Other Publications


Peer Reviewed Non-Subsidy-Earning Journal
Research Publications


Peer Reviewed Subsidy-Earning Journal
Research Publications


Professor Mwesiga Baregu of St Augustine’s University, Tanzania, addresses delegates at the conference “African Voices in the New IR Theory”, 27 May 2013.
The Psychology Department was proud to congratulate, and offer an ongoing disciplinary home to, Professor Catriona Macleod as a SARChI Chair at Rhodes University. Professor Macleod’s prestigious appointment by the National Research Foundation (NRF) as head of the South African Research Chair Institute (SARChI) was finally formally announced in the second half of 2013. The field to be explored - aligned with Professor Macleod’s role as principal investigator in a Mellon Research Focus Area in Humanities, and a SANPAD funded project - is critical studies in sexualities, and reproductive health and choices; Post-traumatic stress disorder; Living with HIV; Psychotherapeutic modalities and processes; Exploring methodologies and meta-analyses to generate relevant research; Concussive injury in sport; Gender-based violence and masculinities; Work-family conflict; Xenophobic talk; Psychobiography, entrepreneurs and career psychology.

Introduction

Staff, students and research associates of the Psychology Department produced twenty-four (24) subsidy-earning journal articles in 2013, eight (8) subsidy-bearing book chapters, and presented fourteen (14) conference papers at local and international conferences. This research was richly varied across themed sub-disciplinary areas of psychology, and included thirteen (13) subsidy-earning publications that were collaborations between Psychology Department staff and their students and/or research associates. Strong research themes included:

- Psychological assessment in South Africa;
- Critical studies in sexualities, and reproductive health and choices;
- War trauma in conflict-affected African communities;
- Post-traumatic stress disorder;
- Living with HIV;
- Psychotherapeutic modalities and processes;
- Exploring methodologies and meta-analyses to generate relevant research;
- Concussive injury in sport;
- Gender-based violence and masculinities;
- Work-family conflict;
- Xenophobic talk;
- Psychobiography, entrepreneurs and career psychology.
Postgraduate Graduations

The Psychology Department enjoyed a bumper crop of graduations of postgraduate students from Honours through to PhD, who completed their degrees to graduate at various ceremonies in 2013. We are still in the enviable position of receiving far more applications for postgraduate study than we are able to accommodate. There were postgraduate graduations in Honours and Masters in Psychology by full dissertation, Masters in Clinical or Counselling Psychology and Doctoral degrees. There are varying amounts of research-related activity in these degrees. For example, the Honours in General or Organizational Psychology degree contains a 40% research component, with a rigorous research methodology course and an independent, supervised research project. The Masters in Clinical or Counselling Psychology training includes examinable coursework and a half-thesis, and graduates require further professional development - a supervised internship in an accredited site, passing a national Psychology Board exam, and a year of community service - to register with the Health Professions Council of South Africa to practice as clinical or counselling psychologists.

A PhD student in the Psychology Department, Jaclyn Lotter, was selected as one of fourteen (14) young academics from Africa to attend the 2013 Child and Youth Institute hosted by CODESRIA in Dakar, Senegal, in September 2013. CODESRIA, the Council for the Development of Social Science Research in Africa, is an independent Pan-African social sciences research organization. The theme of the Child and Youth Institute was Social protection and citizenship rights of vulnerable children in Africa, and it was directed by Professor Auma Okwany of Erasmus University in Rotterdam, The Netherlands, and included academics from Africa and the rest of the world, and UNICEF representatives. Jaclyn Lotter had the opportunity to present a paper from her PhD, entitled Children’s understandings of domestic mobility within South African grandmother-headed households, and implications for child-sensitive social protection, which, after peer review, will be published as a chapter in an edited book by CODESRIA and Zed Books.

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Distinguished Visitors/Overseas Visits

The Department hosted three (3) distinguished visitors during 2013, who presented public lectures or addresses and engaged with staff and students at various levels. Professor Jack Halberstam visited Rhodes University as a guest of the Critical Studies in Sexualities and Reproduction unit, the English Department, and the Dean of Students’ Office. Halberstam is Professor of American Studies, Ethnicity, Gender Studies and Comparative Literature at the University of Southern California in the United States. Her lecture - based on her
Guilfoyle
Professor Charles Young
Dave Edwards
The Psychology Department’s Professors - Significant Research Aligned Events
a range of pressing social issues and contexts. between teaching and research - as responsive to logical services and community practices, and develop active engagements between psycho-attempts within the Psychology Department to Such distinguished visitors represent strategic psychology address was entited University, and also works as a counselling the Psychology Department at Stellenbosch address at our annual Conference in October 2013 to deliver the keynote Professor Ashraf Kagee was a Professor in and Head of the Psychology Department at Stellenbosch University, and also works as a counselling psychologist in community settings. His inspiring address was entitled Enthusiasm in psychology. Such distinguished visitors represent strategic attempts within the Psychology Department to develop active engagements between psychologists and community practices, and between teaching and research - as responsive to a range of pressing social issues and contexts. Significant Research Aligned Events
The Psychology Department’s Professors - Professor Cathrina MacLeod, Emeritus Professor Dave Edwards, Emeritus Professor Ann Edwards, Professor Charles Young and Professor Michael Guthrie - continued to provide inspired research leadership through their productivity in subsidy-

earning publications and conference presentations, however, seven other staff made their mark with significant research aligned events.

Dr Trudy Meehan, a Senior Lecturer in the Psychology Department, was awarded a merit award in 2013. Aside from excellence in teaching practice, Dr Meehan’s creativity in several research projects using a narrative (storytelling) theoretical approach was acknowledged by this award. Dr Meehan collaborated with Mark Hipper from the Fine Art Department of Rhodes University in a research intervention project at the Tower Hospital in Fort Beaufort - which facilitated art-making and storytelling among psychiatric inpatients. Dr Meehan took over this project after Mark Hipper’s death, and extended it to the Fort England Hospital in Grahamstown during 2013. This engagement has produced various research-aligned events at the National Arts Festival - for example, an exhibition curated by Dr Meehan of inpatients’ artwork, research by students with viewers of this exhibition on the stigma of mental illness; and a ThinkFest presentation on Storytelling as healing practice for individuals and communities. Dr Meehan also innovatively used this approach to conduct engaged research during service learning placements in community settings, with the Masters in Clinical or Counselling Psychology students.

The organisational psychologists among us also chalked up some interesting conference presentations during 2013. Professor Roelof Van Niekerk and Tsinovhe Ndzube, a Masters in Business Administration student and staff member in the Department of Management, presented a paper entitled ‘Biographical analyses of entrepreneurs: The personality characteristics of Steve Jobs’ at the Annual Conference of the Society for Industrial and Organisational Psychologists of South Africa (SIOPSA) in Pretoria. This paper was awarded the “best paper” award at this conference. Richenda Kemberg, a Kresge Junior Lecturer in organisational psychology in the Psychology Department, travelled overseas for the first time to present a paper co-authored with her supervisor, Bernadette King, at the University of Sydney, Australia. The research paper focused on work-family conflict among registered professional nurses in the Calcius District of the Eastern Cape. Publications are expected to be forthcoming from these events.

Prabasini Appalsamy was a Lecturer in the Psychology Department who died tragically in December 2011. She was a dedicated teacher and researcher. Her family have generously donated an annual sum of money to Rhodes University, in
DEPARTMENT OF PSYCHOLOGY
PUBLICATIONS

Books, Chapters, Monographs


Concerts, Exhibitions, Performances, Events, Workshops


Professor Lindy Wilbraham
Head of Department

It is to contribute towards developing research capacity through encouraging students to continue to Master-level research degrees, and to pursue careers in research psychology.


Peer Reviewed Subsidy-Saving | Journal Research Publications


Research Papers Presented at Academic Scientific Conferences (Proceedings, Booklets and Attendance)


Rhodes Business School

Introduction

2013 was once again a positive year for a variety of reasons. Particular highlights were the record number of PhD and PDEM students registered, namely six (6) and thirty-five (35) respectively. In June 2013, we had a site accreditation visit by the Association of MBAs (AMBA) and clarity was achieved on what is required to obtain AMBA accreditation.

After an extensive process of consultation, the Business School has reviewed and revised its vision, mission and strategy to drive its focus for the next three years. A key objective of this is to be a research informed school under the overall goal of develop and deliver relevant and authentic programme offerings that embrace our integrated teaching, learning and research, 4E (Economic, Ethical, Ecological and Equitable) philosophy.

The strategic actions that pertain to our research are fourfold, namely:
1. Enhance staff research, development and output;
2. Drive student research to enhance output and encourage publication;
3. Promote dissemination of research by students and staff, which reinforce the school’s essence of ‘leadership for sustainability’;
4. Encourage students, staff and practitioners to use our thought leader website www.criticalthought.co.za as a window for critical engagement and dissemination of knowledge.

Postgraduates/Graduations

We are pleased that we achieved a record graduation of both seventeen (17) MBA and twenty-two (22) PDEM graduates.

Distinguished Visitors/Overseas Visits

Rhodes Business School is grateful to our Distinguished Visitors who visit the school each year and enrich our students.

Significant Research Aligned Events

Ms Leticia Greyling, Senior Lecturer at the school, has been an active participant in the Globally Responsible Leadership Initiative’s GRLI 50+20 Innovation Cohort for the Improvement of Management Education. The Business School is grateful to Chertl, the International and Research Office for contributing funds towards registration and travel costs.
Distinguished Visitors


Research Publications


Postgraduate/Graduations

The following students completed their postgraduate studies and graduated in 2013:

**PhDs**

**MAs**
Distinguished Visitors/Overseas Visits
The School of Languages and the Political & International Studies Department co-hosted a colloquium on the theme “Thinking Africa. Violence in the Great Lake Region”. Several scholars were hosted by the School, including Professor Valentin Yves Mudimbe, Duke University, United States of America, who presented a lecture in Classical Studies.

Dr Pamela Manake, through the support of the Research Office, hosted two Mellon Senior Scholars, Professor Jeffrey Opland and Professor Peter Mhute who are both Rhodes University alumni and reputable scholars in African languages and literatures, particularly isiXhosa.

Classical Studies hosted Professor Cline Chandler, University of Cape Town (UCT) who gave a public lecture on “Madness in Greek literature”, and had some valuable sessions with our postgraduates on research methodology.

Another familiar visitor hosted by Classics was Richard Whitaker, Professor Emeritus, UCT, who taught the Classics 1 class from his own recently published translation of Homer’s Iliad into South African English. In a public lecture he shared some fascinating insights into this unique project.

Significant Research Aligned Events
Staff in the School of Languages were very busy in 2013.

- Professor Russell Kaschula published two (2) books, one (1) in creative writing and another one (1) in sign language, in collaboration with Mariam Ganiso. These two books were launched at Rhodes University in October 2013.
- Dr Dion Nkomo co-edited a book. The book was launched in October 2013.
- Professor Patrice Mwepu co-edited the academic journal French Studies in Southern Africa Vol. 43 (1). This is an accredited journal for French Studies.

Professor Patrice Kabeya Mwepu
Head: School of Languages


Sam, M.S. Development of bilingual (IsiXhosa-English) websites for the intellectualisation of African languages. The 17th Conference of the International Association of African Languages and Localization (IAALD), West University, Potchefstroom. South Africa. March 2013.


CLASSICAL STUDIES
Research Papers Presented at Academic/ Scientific Conference (Proceedings, Booklets and Attendance)


GERMAN STUDIES
Research Papers Presented at Academic/ Scientific Conference (Proceedings, Booklets and Attendance)


DEPARTMENT OF
Sociology

Introduction

The Department of Sociology continues to be one of the largest departments at the university with regard to student numbers. Its student numbers at undergraduate level were the second highest in the Faculty of Humanities, and at Honours, Masters and PhD level there were nearly seventy-five (75) postgraduate candidates. Indeed, the department has one of the largest postgraduate programmes at the university.

The department has two programmes from second year onward, namely, a General Sociology programme and an Industrial and Economic Sociology programme. The latter programme benefited significantly during 2013 by the addition of Professor Lucien van der Walt, who had arrived in mid-2012 from the University of the Witwatersrand (WITS). The department also continues to have two young lecturers in Mellon-funded development positions, one in each of our two programmes; it is hoped that soon they will become permanent lecturers in the department.

Staff members in the department produced a large number of academic publications. Professor Kirk Helliker co-edited a book called *The Promise of Land* on land and agrarian themes in post-apartheid South Africa and Professor van der Walt co-edited a book called *Anarchism and Syndicalism in the Colonial and Postcolonial World*. Additionally, Professor van der Walt’s co-authored book called *Black Flame* was translated and published in German.

Importantly, two of our former PhD students, Dr Tendai Murisa and Dr Manase Chiweshe published intellectual work, with Dr Chiweshe as a post-doctoral fellow in our department.

A Senior Research Associate attached to our department, Dr Yoon Park, currently based in the United States of America, was very productive in 2013.

The department appointed a number of Visiting Professors during the year. These include John Holloway from Mexico, Praveen Jha from India, Sam Hoyos from Zimbabwe and Alberto Bialakowsky from Argentina. All four are distinguished professors well-known at an international level.

Postgraduate Graduations

The department had three (3) PhD students and seven (7) Masters students graduate in 2013, including South African and Zimbabwean students.

Two (2) students, Loveness Makonese, PhD student, and Tendai Wapinduka, Masters student, undertook research on HIV and AIDS in an informal rural settlement near Masvingo in Zimbabwe. While Dr Makonese offered a comprehensive understanding of livelihoods of HIV-infected and -affected households in the settlement, Ms Wapinduka focused more specifically on adherence to HIV treatment amongst HIV-positive individuals in the settlement.

Other graduates studied such themes as urban housing and informal traders. The department continues to have an Agrarian Studies Research Group which is the most productive research programme in terms of Masters and PhD graduates.

Distinguished Visitors/Overseas Visits

The department houses the Chinese in Africa/Africans in China International Research Working Group, the largest research network of its kind in the world. As part of this initiative, the
The department offers an honours course on China in Africa. The main convenor of the network, Dr Yoon Park, visited the department and taught for three weeks during the course. As well, Mr Harrie Esterhuysen from the Centre for Chinese Studies at Stellenbosch University contributed to the course.

One of the members of the department, Ms Tarryn Alexander, was also involved in the visit to Rhodes University of the international scholar Professor Silvia Federici, known for her work within the feminist and Marxist autonomist tradition. She made intellectual contributions to our students while she was here.

Professor Michael Drewett was a Visiting Fellow at the International Institute for Popular Culture at the University of Turku in Finland in late 2013. He was the very first Visiting Fellow at the institute and presented a number of seminars on music, politics and censorship while there.

Professor Kirk Helliker was invited to the Autonomous University of Puebla in Puebla, Mexico, by global theorist Professor John Holloway, who had visited Rhodes in 2012. While there he presented three seminars and initiated a Memorandum of Understanding between the two universities, which has now been finalised.

The memorandum is designed to facilitate exchanges of staff and students between Puebla and Rhodes.

As part of his ongoing efforts to build a new research trajectory on anarchism and syndicalism at Rhodes University, Professor Lucien van der Walt attended a number of conferences at which he co-organised conference panels and presented papers. These conferences took place for instance in Nairobi and Vienna.

significant Research Aligned Events

The department ran, along with the Department of Political Studies, a very successful weekly-based Critical Studies Seminar Series which attracted both local and international presenters.

Professor Kirk Helliker
Head of Department

Books, Chapters, Monographs


Peer Reviewed Non-Subsidy-Earning Journal
Research Publications

Peer Reviewed Subsidy-Earning Journal
Research Publications


Research Papers Presented at Academic/Scientific Conference (Proceedings, Booklets and Attendance)


Ms Kate Janssen
(Top postgraduate student)

Postgraduate/Graduations
Five (5) Masters and eleven (11) Honours students were registered in the Department in 2013. The Department graduated six (6) Honours students in April 2013.

Distinguished Visitors/Overseas Visits
During 2013, the Department was privileged to have nine distinguished visitors including the following:

- In March 2013, Professor Tertius de Wet and Dr Pieta van Deventer, from the Department of Statistics and Actuarial Science at Stellenbosch University, gave a series of lectures on the asymptotic normality for the Quintile Share Ratio estimator and a review of Statistical Process Control.
- In June 2013, Professors S. Banerjee (University of Minnesota), T. Raghunathan (University of Michigan), F. Ruggeri (CNR-IMATI Milan), T. Mazzuchi and R. Soyer (The George Washington University) and N. Singpurwalla (City University of Hong Kong) presented lectures and workshops on Bayesian Statistics.
- In August 2013 Professor James Allison (North-West University, Potchefstroom) presented two seminars, one on Empirical Copula Estimators and another on Bootstrap Sample Sizes.

Significant Research Aligned Activities
Nine (9) publications emanated from both theoretical and applied collaborative research in 2013. Three (3) papers, submitted by Professor Gunther Jäger whilst he was at Rhodes University, on lattice-valued convergence spaces were published.

Professor Radloff’s research collaborations with the Departments of Zoology and Entomology, Psychology and ISER resulted in six (6) peer-reviewed book chapters and journal articles. Eight (8) papers were presented at national and international conferences.
international conferences. Dr Lizanne Raubenheimer presented two (2) papers, one at the World Statistics Congress of the International Statistical Institute in Hong Kong, China and the other at the 55th Annual SASA Conference held at The Ranch, Polokwane.

Mr Amos Chinomona also presented a paper at the 55th Annual SASA Conference on analyzing HIV/AIDS complex survey data.

Mr Jeremy Baxter’s joint research paper with the Department of Management was presented at the SAIMS 2013 Conference, North-West University, in Potchefstroom and Professor Radloff’s four (4) collaborative research papers with the Department of Psychology were presented at the 15th Biennial Congress of the South African Sports Medicine Association in Durban.

Professor Sarah Radloff
Head of Department

Books, Chapters, Monographs


Distinguished Visitors


Singpurwalla, N. City University of Hong Kong, Hong Kong. Lecture. June 2013.


Van Deventer, P. Stellenbosch University, Stellenbosch, South Africa. Lecture. March 2013.

Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/
Scientific Conferences (Proceedings, Booklets and Attendance)


Chinomona, A.

Whitefield-Alexander, V.J., Shuttleworth-Edwards, A.B., and Radloff, S.E.

Clark, S.B., Shuttleworth-Edwards, A.B., and Radloff, S.E.

Zoccola, D., Shuttleworth-Edwards, A.B., and Radloff, S.E.

Raubenheimer, L.

Raubenheimer, L. and van der Merwe, A.J.
DEPARTMENT OF ZOOLOGY & ENTOMOLOGY

Introduction
A total of eight (8) subsidy-earning journal research articles on a diverse range of topics were published in both local and international journals by staff, research associates and students of the department. Staff within the department also contributed and edited two (2) book chapters. The staff and students within the department travelled widely to attend and present their main research findings at workshops and at major international conferences in southern Africa, North and South America, Australia and Europe. The high regard of the research academics within the department is reflected in the numerous invited lectures, keynote addresses and participation in both local and international conferences.

Postgraduates/Graduations
The department continued to have a highly vibrant postgraduate school with no less than seventeen (17) Honours, forty-two (42) Masters and thirty-two (32) PhD students registered within the department. A total of seventeen (17) Masters and PhD students graduated in 2013.

Distinguished Visitors/Overseas Visits
Professor Alan Hodgson visited the University of Washington DC and the Darling Marine Centre, University of Maine to conduct collaborative research projects with researchers from the two institutes.

Significant Research Aligned Events
A key development within the department in 2013 was the successful establishment of the SARChI Chair in Applied Agricultural Entomology under the Directorship of Professor Steve Compton. Additionally, the Biological Control Research Group was awarded a 3½ year contract to the amount of R20 million with the Working for Water Programme. The academic and research staff within the department continued to forge strong research collaborations with both local and international researchers. These include amongst others researchers from Brazil, Ghana, Kenya, Morocco, France, Australia, China, United States of America, United Kingdom and Spain.

During the course of the year, a number of staff within the department received significant accolades in recognition of their contribution to the field of biological research. Professor Alan Hodgson was made an Honorary Member of the International Society of Invertebrate Reproduction and Development which is only the fifth such award since the inception of the society in 1975. Similarly, Professor Christopher McQuaid received the Gold medal from the Zoological Society of South Africa.

Professor William Froneman
Head of Department


The impact of naturally occurring entomopathogenic serious challenges.

P.J.N., C.D., Noyon, R.A., Moore, S.D.

Behaviour moderates climate warming vulnerability in Carbon ((13C) and Nitrogen ((15N) Isotopic Composition M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.

Grantham, G.H., Hunt, B.P.V., Midgley, J.M.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


Midgley, J.M.

171-175.

Midgley, J.M.


Ordonez, V., Rius, M., Clusella-Trullas, S., McQuaid, C.D.

and post-release. agents: predicting establishment and distribution pre- thermal physiology of water hyacinth biological control May, B.

African Entomology 21 (2). p.133-146.


McQuaid, C.D.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


M., Pages, C.F., Lecellier, G., Planes, S. and Lecellier, J.M.


Pereira Da Conceição, L.L. and Barber-James, K. The use and abuse of IASS: why detailed taxonomic work is vital for conservation; a case study using Tephrosia pavonina (Euphorbiaceae). Southern African Society of Aquatic Scientists 49th Annual Conference. Arniston, Western Cape, South Africa. July 2013.


Professor Christopher McQuaid with Rhodes University PhD student Carla Lourenco and Post-Doctoral Researchers, Dr Gerardo Zardi and Dr Kate Hinchliffe. This sampling trip took place between the Straits of Gibraltar and the Tropic of Cancer along a 1300km stretch of coastline in Morocco and Western Sahara. The project looks at the effects of upwelling in providing refuge habitats from global warming for marine species.
Affiliates, Institutes & Centres
The late Dr Fred Gess (right) and his son David Gess collecting wasps

Albany Museum

Introduction

Albany Museum is an affiliated research institute of Rhodes University. The Museum consists of a family of seven (7) buildings which includes the Natural Sciences Museum, the History Museum, the Observatory Museum, Fort Selwyn, the Old Provost military prison, Drostdy Arch and the Old Priest’s House which is leased to the National English Literary Museum (NELM).

All museum exhibitions and collections are curated by specialists in their fields. The Natural Sciences Museum houses permanent collections of terrestrial insects, freshwater invertebrates, freshwater fishes, a plant herbarium, birds, palaeontological fossils, rocks and minerals, ethnographic and archaeological material. The History Museum houses important exhibitions and collections of historical artefacts as well as a genealogical archive relating to the 1820 British Settlers. The Fine Art collection is also housed in the History Museum.

Albany Museum loans resources and education programmes ranging from GET, FET and HET for teachers, lecturers, students and learners through curriculum-based as well as broader interest museum lessons and outreach visits to farm schools. The Museum has an important scientific and historical library which houses rare books.

DEPARTMENT OF FRESHWATER INVERTEBRATES

Postgraduates/Graduates

Dr Helen James, supervisor of MSc Entomology student, Ms Lyndall Pereira da Conceicao, was upgraded to a PhD in November 2013. Dr Helen James and Professor Nigel Barker co-supervised, MSc student, Chantal Taylor.

Distinguished Visitors/Overseas Visits

Dr Helen James spent three days (19-21 June 2013) with Dr Michael Dobson (former Director of the Freshwater Biological Association (FBA), Windermere, England) discussing collaborative work in East Africa, looking at specimens and seeing the facilities at the FBA. She also visited Dr Ben Price at the Natural History Museum in London (26-28 June 2013), examining collections and organising loans of specimens for research purposes.

Dr James also visited Dr Arnold Staniczek (8-11 July 2013) at the Department of Entomology, State Museum of Natural History, Stuttgart, Germany to develop plans for research doing next generation sequencing using RNA for all the major mayfly families of the world to unravel their phylogenetic relationships.

Dr Ferdy de Moor visited Zagreb University in September 2013, and went into the field with colleagues Mladen Cucinik and Marina Vilenica, and discussed a potential post-doc visit with Marina Vilenica.

Dr Helen James and her student, Ms Lyndall Pereira da Conceicao set up a collaborative research project using tomography techniques to study the internal morphology of mayflies with Professor Javier Alba-Tercador of Granada University, Spain. Several Skype interviews were held with him during this period. Dr James and Ms Pereira-da-Conceicao also undertook a one-day online course on using “Scratchpads”, run by
Dimitris Kounas, e-Taxonomy Support Specialist, Biodiversity Informatics Group, Department of Life Sciences, The Natural History Museum, London.

Research Aligned Events

Dr Helen James convened two audits for the Eastern Cape SASS audit for River Health bio monitoring program for the Department of Water Affairs.

Dr Ferdy de Moor, Dr Helen James and Ms Pereira-da-Conceicoa attended a specialised workshop on Phylogenetics Networks held at SANBI, Kirstenbosch, Cape Town. (30 November - 1 December 2013).

Ms Lyndall Pereira da Conceicoa (supervised by Dr James) presented an oral paper at the annual Southern African Society of Aquatic Scientists (SASAQS) conference held in Arniston, Western Cape (30 June - 4 July 2013) and won the award for best student presentation.

Dr Helen James presented a paper at the SEFS conference (Symposium for European Freshwater Sciences) in Münster, Germany (1-5 July 2013).

Six separate fieldtrip studies were undertaken. Some of the research on mayflies has been popularised by several articles in local newspapers (Knysna-Plett Herald “Searching for a rare mayfly” (25 July 2013); Die Burger “Nog genera eendagsvlieë gevind” (30 July 2013); SanParks Times “Mayfly Species are the subject of intense research” (December 2013). Dr Ferdy de Moor retired at the end of 2013, and Dr Helen James takes over as Head of Department from January 2014.

ALBANY MUSEUM

PUBLICATIONS

Concerts, Exhibitions, Performances, Events, Workshops

Barber-James, H.M., Barber-James, H.M. Lecture. Mayflies as tools for biogeography - unravelling the past and conserving the future. Lecture presentation to University of 3rd Age delegates from Plettenberg Bay. Albany Museum, Grahamstown. South Africa. 16 February 2013.


Other Publications


Dr Helen James, Dr Helen James, H.M., Barber-James, H.M., e-Taxonomy Support Specialist, Biodiversity Informatics Group, Department of Life Sciences, The Natural History Museum, London.

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Barber-James, H.M., Barber-James, H.M. Ephemeroptera as tools for biogeography - unravelling the past and conserving the future: a case study using global diversity of Prosopistomatidae. Symposium for European Freshwater Sciences (SEFS). Münster, Germany. July 2013.


Ms Lyndall Pereira da Conceicoa supervised by Dr James presented an oral paper at the annual Southern African Society of Aquatic Scientists (SASAQS) conference held in Arniston, Western Cape (30 June - 4 July 2013) and won the award for best student presentation.
Pereira Da Conceição, L.L. and Barber-James, H.

Peer Reviewed Scientific Papers published in Journals


Introduction
The Centre for Higher Education Research, Teaching and Learning (CHERTL) continues to engage in research in the broad field of higher education studies. In 2013 CHERTL academic staff, students and research associates have, inter alia had three (3) book chapters and fourteen (14) peer reviewed academic articles published.

The CHERTL PhD programme is now in its fourth year of existence. The programmes continues to provide a structured space in which approximately thirty (30) academics from institutions across South Africa and further afield are registered to engage in research on one or another aspect of higher education. The programme measures its success not only by the number of graduates but by the quality of their experience and by the way in which their research contributes to higher education debates.

Postgraduate Graduations
At the 2013 graduation ceremony six (6) postgraduate diplomas in higher education, one (1) Masters in Education and three (3) PhDs were awarded. Two (2) of the doctoral graduates, Della Layton and Philippa Kethro were supervised by Professor Sioux McKenna. The third graduate, Mandy Hlengwa is a CHERTL staff member and she was supervised by Professor Chrissie Boughey and Dr Jowe-Ann Vorster. Dr Hlengwa’s research entailed an exploration of conditions enabling and constraining the infusion of service learning into the curriculum at Rhodes.

Distinguished Visitors/Overseas Visits
In April 2013, Professor Gina Wisker, Professor of Higher Education and Contemporary Literature, and Head of the Centre for Learning and Teaching at Brighton University, joined one of the CHERTL Doc Weeks. Professor Wisker ran a number of workshops on both doctoral supervision and developing student writing. She also took part in a panel discussion on seismic shifts in education, alongside with Professor Mala Singh, Dr Sizwe Mabizela and Professor Shireen Motala, Director of the Postgraduate Centre at the University of Johannesburg.

In July 2013, Professor Murtheree Maistry, Head of Social Science Education, University of Kwa-Zulu Natal (UKZN), ran a seminar on the use of performance management systems in higher education. Professor Ian Scott, Director of the Centre for Higher Education Development at University of Cape Town (UCT), also joined us in July to make a presentation on the flexible curriculum research undertaken by the CHE.

Significant Research Aligned Activities
In October 2013, CHERTL co-hosted, with the Faculty of Education, a conference for Education PhD scholars. A total of seventy-eight (78) scholars presented their research and keynotes presentations were given by Professor Leesa Wheelahan from the LH Martin Institute for Higher Education Leadership and Management at the University of Melbourne; Professor Wayne Hugo, Faculty of
Education at the University of KwaZulu-Natal; and Professor Volker Wedekind, Professor of Education and Development at the University of KwaZulu-Natal.

2013 saw the implementation of the NUFFIC funded Strengthening Doctoral Supervision course, at six (6) South African universities. This course, will be offered at sixteen (16) universities in total between 2013 and 2015, has been developed through a collaboration of four (4) South African and three (3) Dutch universities and is managed and accredited through Rhodes University.

The CHERTL project looking at the role of knowledge in social inclusion in higher education went into its third year of National Research Foundation (NRF) funding in 2013. The project brings together eight (8) PhD scholars and an inter-institutional collaboration of supervisors to look at how the structure of knowledge in various curricula across South African universities affects the retention and throughput of students.

In 2013 the scholars attended a three-day writing retreat at Montfleur in Stellenbosch, as well as the three Doc Weeks held on campus.

Professor Lynn Quin and Mr Markus Mostert have continued their involvement in another NRF funding project, the Emerging ICTs in Higher Education Project, a collaboration amongst several South African universities. The work of, Ms Alette Schoen in Journalism and Media Studies, was included in a practitioner’s guide, which was one of the outcomes of this project.

Professor Lynn Quin
Head of Department: CHERTL

NUFFIC Doctoral Supervision Course. 25 March 2013
Photo: Kirsten Makin
CENTRE FOR HIGHER EDUCATION RESEARCH, TEACHING AND LEARNING

PUBLICATIONS

Books, Chapters, Monographs


Other Publications


Peer Reviewed Non-Subsidy-Earning / Journal Research Publications


Cory Library for Humanities Research

Introduction
Cory Library for Humanities Research is a regional library dedicated to research in and study of the Eastern Cape and, to a lesser extent, southern African history and society. We are especially keen to acquire collections in isiXhosa, Afrikaans and German to diversify our holdings.

The Library supports research in history, sociology, politics, theology, literature, anthropology and other humanities disciplines. Rhodes University staff and students, scholars from across the globe, and family historians and genealogists regularly visit Cory Library.

Distinguished Visitors/Overseas Visits
The Cory Library draws researchers from all over the world, mostly for the United Kingdom and the North America (the United States and Canada).

Scholars and other distinguished visitors include:
- Gwyneth McClendon, political science professor, Harvard University;
- George Hallett, world renowned photographer;
- Maxine McGregor, author of Chris McGregor and the Brotherhood of Breath;
- Hazel Miller, world renowned photographer;
- Louis Moholo, drummer of the iconic Blue Notes jazz band;
- Dave Defries, reed player in the erstwhile Blue Notes jazz band;
- Hazel Crampton, freelance writer and author of The Sunburnt Queen;
- Andrea Salter, Sociologist, University of Edinburgh;
- Sue Wise, Researcher, University of Edinburgh;
- Gavin Stewart, media scholar; former journalism professor at Rhodes University;
- Loumyo Wehihele, Historian, University of Fort Hare;
- Vishnu Padayachee, Visiting Researcher;
- Robert Ross, Professor of History at Leiden University;
- Marjorie Poland, prize-winning author, novelist.

Significant Research Aligned Events

Dr Cornelius Thomas
Head of Cory Library
Cory Library for Humanities Research
Publications

Books, Chapters, Monographs

EBRU has recently learned that the IAPS process has been selected as one of the wastewater treatment technologies to be implemented. Even so, cash-flow challenges during the course of 2013 lead to substantial staff restructuring at EBRU and as a consequence, several senior scientist posts were terminated.

Postgraduate Graduations

Six (6) postgraduate students were registered for degrees in Environmental Biotechnology at EBRU in 2013 - three (3) PhDs and three (3) Masters candidates. Two (2) Masters degrees were successfully completed.

Ms Prudence Mambo, a PhD candidate at EBRU researching aspects of IAPS wastewater treatment technology, was selected to attend a workshop at Brown University, Providence, United States of America, on wastewater treatment systems. Ms Mambo was also a participant at the UK Energy Research Centre Summer School, University of Warwick, United Kingdom (7-12 July 2013) where she attended a course on low-cost sustainable wastewater treatment processes.

Distinguished Visitors/Overseas Visits

In the early part of 2013, EBRU hosted a contingent of scientists who were part of the combined African, Caribbean and Pacific Group of States Science and Technology Programme / European Union project Capacity building in South Africa, Namibia and Ghana to create sustainable, non-food bio-oil supply chains.

EBRU researchers together with Professors Harvey (University of Greenwich), Marsalek (Masarykova Univerzita, Brno, Czech Republic) and Abdel-Hamid (University of Mansoura, Egypt) developed as an outcome of this international workshop event an internet-based information portal and short-course on algae-to-energy systems. The portal is hosted by the University of Greenwich.

Significant Research Aligned Events
EBRU was well represented at several international and national conferences during 2013. Professor Keith Cowan was invited to address the African Caribbean & Pacific Group of States Science and Technology Programme/European Union project on Algae-based waste water treatment systems at a meeting hosted by the Namibian Ministry of Fisheries & Marine Resources in Swakopmund, Namibia.

Mr Gerald Edeki, a PhD candidate at EBRU attended the 4th International Symposium on Applied Microbiology and Molecular Biology in Oil Systems, in Rio de Janeiro, Brazil, where he presented aspects of his research on the bacterial biodegradation of hydrocarbon pollutants.

A large contingent of EBRU students attended and participated in the 3rd Southern African Regional biennial Young Water Professionals Conference hosted by the University of Stellenbosch and presented aspects of their research based on passive technologies for the treatment of domestic and industrial wastewaters.
Other Publications

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Publisher
INSTITUTE FOR ENVIRONMENTAL BIOTECHNOLOGY: PUBLICATIONS
Rhodes University Research Report

Experimental Maturation Pond Series
Sabata-Mpho Mokae at the launch of his novel Ga Ke Modisa which went on to win two prizes in the M-Net Literary awards.

INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA (ISEA)

The Study of English in Africa (ISEA)

Introduction

In the period from January to December 2013, landmarks for the year included the following:

• The Masters in Creative Writing (MSCW) completed its third full year of operation, with a cohort of twenty-two (22) students. This comprises ten (10) full-time students and all twelve (12) students who registered part-time in 2012. All are on track to complete their degree in 2013.

• The Mellon-funded ‘Writer-in-Residence’ programme hosted another pair of creative writers, Kobus Moolman and Soga Mlandu. In addition, the Mellon Senior Scholar programme hosted two visiting teachers of creative writing, Dr Jean McNeil from the University of East Anglia and Professor Lance Olsen of the University of Utah.

• Two creative writing teachers and two students scooped nine (9) national awards. Anton Krueger was the joint winner of the ‘Imbewusa SCRIBE contest’ for his play ‘Old Dogs’, while Ingrid Winterbach’s Afrikaans novel, Die Aanspraak van Lewende Wesens, has garnered a host of awards, especially this year. It was the 2012 Winner, of the ‘Groot Afrikaanse Romanwed-stryd’. In 2013, it won the ‘Hofmeyr Afrikaans Fiction’ prize, the ‘Hertzog Fiction’ prize (awarded every third year), the ‘M-Net Afrikaans Fiction’ prize, and the ‘UJ-Afrikaans Fiction’ prize.

• Masters student, Vonani Bila, won second prize, in the ‘2013 Sol Plaatje EU Poetry Award’ for his poem ‘Memory’. Sabata-Mpho Mokae was the 2013 winner of two ‘M-Net Literary Awards’, one in ‘African Languages’ (Setswana) for his novel Ga Ke Modisa, and the other in ‘Film’.

Postgraduates/Graduations

In 2013, the MACW graduated a total of nine (9) students: eight (8) with coursework and half...
Books, Chapters, Monographs


Other Publications


Creative Writing


Bamjee, S. (2013) “Professor John Guthrie of the University of Maryland

Significant Research-Aligned Events

Madeyandile Mbelani was awarded a National Research Foundation (NRF) grant of R100 000 for a six-month sabbatical (June-November 2013), to complete his doctoral studies.

Professor Monica Hendricks
Director: ISEA

Madeyandile Mbelani

Kobus Moolman of the Mellon Funded “Writer-in-Residence” Programme, contributing to the MA in Creative Writing


Mann, Chris. (2013) ‘Home from Home on tour, performing at high schools, universities and book clubs in different parts of South Africa’


Vivier, E. (2013) 'The was and is of Thabo Mbeki'. New Coin. 49.1. p.30.


wa Maahlamela, D. (2013) 'The was and is of Thabo Mbeki'. New Coin. 49.1. p.30.


Distinguished Visitors/Overseas Visits

The ISER was pleased to host Professor Gavin Williams, a leading scholar in the Sociology of Development, who retired from the University of Oxford in 2010. Professor Williams is a visiting professor at the ISER and contributed significantly to the development of the social policy research and teaching programme. Professor Williams was also awarded a DLitt by Rhodes University in recognition of his distinguished research and teaching contribution to the areas of sociology, politics and philosophy with reference to South Africa and Nigeria.

The ISER also hosted Dr Yusuf Sayed of the University of Sussex. Dr Sayed is an educational specialist and senior research associate of the ISER working on research projects on social policy and ideology and alternatives to the developmental state. Dr Sayed undertook research, fieldwork, teaching and supervision while at the ISER.

The “6th Dr AB Xuma lecture” was presented by Professor Leila Patel, Professor of Social Development and Director of Centre for Social Development in Africa at the University of Johannesburg. Professor Patel’s presentation, Developmental welfare reconsidered: the ideas, achievements, challenges and future prospects of Social Welfare nineteen years into South Africa’s democracy was based on her experience of “developmental social welfare”, a concept she pioneered in its application to South Africa in the White Paper for Social Welfare (1997).

Significant Research Aligned Events

Social Policy

The Social Policy focus area is led by Professor Robert Van Niekerk and Dr Rebecca Surender, and is supported by an international collaborative research network in social policy. That network includes a number of visiting professors and researchers, such as Professor Greg Rubers (University of the Western Cape), Professor Di McIntyre (University of Cape Town), Professor Michael Hoeller (Emeritus Professor of Social Policy at the University of Oxford), Honorary Fellow at...
The Neil Aggett Labour Studies Unit (NALSU) was established in 2012 with a major grant from the Department of Economic Development of the Eastern Cape Government. The appointment of its full-time academic staff members took place during the course of 2013. NALSU aims to contribute to building a more equitable society and a more inclusive form of social citizenship based on social solidarity.

Research initiatives in which NALSU commenced in 2013 include:

- On-going tracking and analysis of labour market trends, with a particular focus on the Eastern Cape, for publication in Information Sheets and its Annual Labour Market Review.
- A graduate tracer study funded by the Human Sciences Research Council (HSRC) in support of the national Labour Market Intelligence Partnership (LMIP). This study is focused on graduates from Rhodes University and the University of Fort Hare, and is contributing to the design and execution of national approach to the design and execution of graduate tracer studies, while also deepening our collective understanding of the South African labour market.
- Research on informal work, including consideration of health and poverty outcomes;
- Research on labour migration in the mining industry is being planned as part of one of the catalytic projects funded by the new National Institute for the Humanities and Social Sciences, in partnership with researchers based at the University of the Witwatersrand and the University of Johannesburg. Research on the labour movement commenced in 2013 and a book is anticipated to emerge from this research. Research on the links between social policy and labour is being planned, with an initial focus on the lessons emerging from the social democratic experience in the Nordic countries.

Quality of Life Studies

The South Africa - Algeria Quality-of-Life Project (2011 - 2013)

This joint research venture undertaken with Algerian research partners based at the University of Oran came to its official end in 2013. The project has produced rich and unusual data. It was the first time that a nationally representative survey asked South Africans to identify in their own words
the best and worst periods experienced in life (Anamnestic Comparative Self-Assessment or AC5A).

Although the South Africa-Algeria project has been completed officially, cooperation on data analysis and interpretation with our Algerian colleagues will continue for several years. An milestone was reached when a paper documenting three decades of quality-of-life trends in South Africa spanning the apartheid and post-apartheid period 1980-2010 was published in the Springer journal, Social Indicators Research. The paper has since been awarded the International Society for Quality of Life Studies SIR 2013 best paper award.


An earlier collaborative project with research partners based in the United Kingdom and Brazil has since produced a number of papers on the role of social protection in boosting the well-being of vulnerable older households in the two countries.

Professor Robert Van Niekerk
Director: ISER
Peer Reviewed Non-Subsidy Earning Journal Research Publications
Moller, V.

Peer Reviewed Non-Subsidy Earning Journal Research Publications
Moller, V.

Surender, R.


Sander, R.


Williams, S. (2013) Who, Where, and When were the Cape Gentyl, Economic history of developing regions. 2013: p.63-64.

Research Papers Presented at Academic/Scientific Conference (Proceedings, Booklets and Attendance)


Surender, R.


Sander, R.
At the 2013 graduation ceremony, three (3) PhD students from the IWR and one (1) PhD student from the Department of Ichthyology and Fisheries Science (DIFS), who was co-supervised by the IWR, were awarded their degrees.

Two (2) of the graduated students and six (6) of the existing students were funded by the Carnegie Foundation of New York through the SSAWRN (Sub-Saharan Africa Water Resources Network) section of the RISE (Regional Initiative for Science Education) programme. During 2013 SSAWRN was awarded $850 000 for a third phase from 2014 to 2016.

A further highlight of the 2013 graduation ceremony was the presentation of the Vice Chancellor’s Distinguished Senior Research Medal for 2012.

Postgraduate/Graduations

The IWR continues to see growth in postgraduate student numbers and during 2013 hosted twelve (12) PhD and six (6) Masters students in both Hydrology and Water Resources Science. IWR staff were also involved in the co-supervision of a further five (5) students from other departments at Rhodes University.
**Significant Research Aligned Activities**

Unwater South Africa continues to support the research activities of UCEWQ. We also have long-standing relationships with funders such as the Water Research Commission, the NRF/DTI Technology and Human Resources for Industry Research Programme (THRIP), the ESKOM Tertiary Education and Skills Support Programme and Richards Bay Minerals.

UCEWQ has also developed additional partnerships with industry as part of the whole transdisciplinary research programme. The hydrology section participated in a major World Bank funded consultancy project on water resources modelling of large African river basins. The IWR was responsible for the Upper Orange, Zambezi and Congo River basins and the project team included two former PhD students.

**Professor D A Hughes**

**Director of Institute**

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**INSTITUTE FOR WATER RESEARCH (IWR) PUBLICATIONS**

**Books, Chapters, Monographs**


**Other Publications**


Peir Reviewed Subsidy-Earning Journal Research Publications

Hughes, D.A.


**Derivation of South African water quality guidelines for toxicology and environmental safety**


**Spatial scale effects on model parameter estimation and predictive uncertainty in ungauged basins**


**Hydrological impacts of river basin land use change**


**Modelling the hydrological impacts of river basin land use change**


**Dewatering of South African wetlands using Graphics Processing Units (GPUs)**


**Dewatering of South African wetlands using Graphics Processing Units (GPUs)**


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**Dewatering of South African wetlands using Graphics Processing Units (GPUs)**


**Dewatering of South African wetlands using Graphics Processing Units (GPUs)**


Palmer, C.G. Transdisciplinary research practice within social-ecological systems. Invited seminars in the School of Environmental Science, and the Institute for Sustainable Futures. University of Technology, Sydney, Australia. September 2013.


Public Service Accountability Monitor (PSAM)

AN AFFILIATED INSTITUTE OF THE SCHOOL OF JOURNALISM AND MEDIA STUDIES

Introduction

During the course of 2013 the staff members of the PSAM have engaged in various research and capacity building initiatives that seek to give effect to its strategic plan.

Overseas Visits

During March 2013 the PSAM director, Jay Kruuse attended an Open Society Foundation (OSF) and Hivos roundtable in The Hague entitled “Strengthening state-society engagement in the transparency and accountability fields” which involved diverse stakeholders from civil society, international financial organisations and academia. Each participant had to prepare a “think piece” and share it with the group. Participants were encouraged to join the Transparency and Accountability Initiative (TAI).

In August 2013 the PSAM and the Tanzanian based Policy Forum (and its partners) hosted a regional social accountability practitioners’ conference in Dar es Salaam where five (5) staff members of the PSAM participated. Gertrude Mugizi who authored the PSAM’s final case study report articulating what has been learnt during the three-year partnership in Tanzania, presented the report at the conference.

The PSAM education researcher, Zukiswa Kota attended a Resource Governance Summit which took place in Berlin Germany during September 2013. She was one of four delegates representing the Southern Africa Region. In preparation for the Summit, Zukiswa compiled a conference paper in collaboration with delegates from South Africa, Zimbabwe and Malawi entitled “A Princely Plan in the Pipelines or Pauper’s Pipe Dream: Achieving Sustainability in the Extractives Industry in Southern Africa”. This opportunity has further strengthened PSAM’s environmental research focus and has fostered collaborative relations across the continent.

On 16 to 20 September 2013 the PSAM’s housing researcher, Yeukai Mukorombindo participated in a CABRI and IBP hosted Workshop on Fiscal Transparency and Participation, in Nairobi, Kenya. Participants included senior budget officials and CSOs from Kenya, South Africa, Liberia, CAR and Congo for the launch of a project on supporting Fiscal Transparency and Participation Reforms in Africa.

The goal of the meeting was to conduct a joint Country Review. The Review provides participating...
CABRI member countries (in this case Kenya) with an opportunity to investigate and document the experiences, successes and lessons learnt of reforms in specific aspects of a country's budgeting system. The review was an objective assessment of the country under study by an external team including peer countries. The team engaged in a dialogue and interactive investigation of the government's Fiscal Transparency and Participation Reforms through a variety of stakeholders which included parliamentarians, civil society, national treasury, local government, the office of the auditor general and funding organisations.

The review is a three (3) year process which aims to provide Kenya with capacity, objective assessments and a knowledge base to contribute towards Kenya's Fiscal Transparency and Participation Reform Strategy aligned with the country's overall PFM reform strategy. A report on the findings and recommendations of the first phase of the review will be published in 2014.

During October 2013, the PSAM Director, Jay Kruuse responded to an invitation by the World Bank Institute to participate in a roundtable seminar in Kathmandu at the Auditor-General's Office. The three day seminar sought to develop areas of collaboration between the Auditor-General's (AG) office and civic groups that are interested in improving government responsiveness to the annual audit findings of the AG's office. Jay shared experiences and lessons from PSAM’s work with the South African Auditor-General which has been undertaken over the past decade.

During October 2013 the PSAM’s Advocacy Impact Programme Head, Abongile Sipondo participated in a conference on monitoring and evaluation organised by the American Society of Evaluation and which was held in Washington DC. On the day before the conference Abongile attended a one day professional development workshop on “Working with Assumptions in programme design”.

The PSAM’s health researchers, Thokozile Mtsolongo and Abongile Sipondo attended an OSF seminar on using the media in advocacy which was held in Barcelona, Spain. The seminar focused on the use of media and technology in monitoring work - from use of mobile phones in crowdsourcing research, to packaging of results (information design, strategic storytelling), to media advocacy for change. At this seminar, PSAM presented its work and how media is used to advance its advocacy objectives.

During early November 2013, Jay Kruuse attended a workshop in Istanbul, Turkey which was hosted by the International Budget Partnership and which sought to share skills and promote capacity building support to civil society groups working in Egypt and Tunisia.

Significant Research Aligned Activities

The following staff members have produced peer reviewed journal publications in 2013:

- Mrs. Yeukai Mukorombindo-Chiweshe of the PSAM and Professor Jan Coetzee published the following peer reviewed article in the months after the former obtained her Master's degree with distinction:

  Social Networks and Social Support: Better Care for the Vulnerable

- Mr. Fabio Diaz Pabon of the PSAM and Syed Mansoob Murshed had their peer reviewed article entitled ‘Give War A Chance’: All-Out War as a Means of Ending Conflict in the Cases of Sri Lanka and Colombia appear within Volume 15, Issue 3 of the 2013 Civil Wars Journal.


- Mrs Sandra Matatu and Ms. Laura Miti (2013) authored a chapter entitled ‘Role of Legislation for Social Accountability: A Comparison of South Africa and Zambia’ in Mudacumura, G.
Composite

and Morcel, G. (eds) Challenges to democratic governance in developing countries. Springer Publications.

The PSAM’s regional programme head, Gertrude Mugizi authored a case study report articulating what has been learnt during the PSAM’s three-year partnership with civic groups in Tanzania. The Report was launched at an Accountability Practitioner’s conference in Tanzania. The case study is available at www.psam.org.za/research/1377269290.pdf

During November 2013, Yeukai Mukorombindo, Jay Kruuse and Len Verwey finalised a submission to the UN Special Rapporteur on extreme poverty and human rights. The submission involved answering specific questions targeted and explicit to the allocation and implementation of public budgets from a human rights perspective based on SA tax and budgeting experience.

Abongile Sipondo produced a case study entitled “Uphill battle: challenges faced by the Public Service Accountability Monitor in monitoring the Eastern Cape Department of Human Settlements” which considered the impact of the work of PSAM on the Eastern Cape Department of Housing between 2009 and 2012. The case study has been publicised and shared with partner organisations and with the Department of Human Settlements in the Eastern Cape. An electronic version has been posted at www.copsam.com/resource.php?id=4.

Jay Kruuse
Director: Public Service Accountability Monitor (PSAM)

PUBLIC SERVICE ACCOUNTABILITY MONITOR (PSAM) PUBLICATIONS
Peer Reviewed Subsidy-Earning Journal Research Publications


Resource Governance participants, April 2013

PUBLIC SERVICE ACCOUNTABILITY MONITOR (PSAM) PUBLICATIONS
Peer Reviewed Subsidy-Earning Journal Research Publications


A new collegial cluster was launched in Ngqamakwe in 2013 which brings the total number of clusters to nine (9). The Collegial Cluster Project which has been in existence for more than a decade continues to focus on those teachers who want to work on their own professional development by improving the teaching and learning of mathematics in classrooms.

A new cohort of twenty-eight (28) teachers registered for the BEd programme at the beginning of the year, which brings the total number of teachers registered at RUMEP to one hundred and five (105).

Postgraduates/Graduates

In April 2013, fourteen (14) students graduated with the degree of BEd (in-service). Ms Nomonde Malamo obtained her degree with distinction. Four (4) other students graduated with an Advanced Certificate in Education (Mathematics).

Significant Research Aligned Activities

Mr Tom Penlington and Mr Clemence Chikuna attended and presented short papers at the Africa Regional Congress of the International Commission on Mathematical Instruction in Lesotho in June 2013. This forum for mathematics educators and researchers discussed issues and exchanged ideas pertaining to the congress theme: Towards a Learner Friendly Mathematics Instruction.

The annual ‘How I Teach conference’ took place from the 5-6 December 2013 in Grahamstown. There was a marked improvement in the quality of the teachers’ papers and presentations. All staff worked hard to ensure this improvement as they provided the necessary guidance and assisted teachers to find relevant readings where it was needed.

A comment from a BEd teacher on the research process:

“I learnt that when teaching we need to be cautious of everything that we do in class. Whatever strategy we use, we should be ready to note the impact it has on learners’ performance. I also learnt that reflection is the most important thing in teaching..."
because you are in a position to see the strengths and weaknesses of your lessons. I chose a topic which gave me problems during the past few years but never thought of researching on what others say about how to teach financial mathematics.”

Mr Tom Penlington
Director of RUMEP

RHODES UNIVERSITY MATHEMATICS EDUCATION PROJECT (RUMEP)

PUBLICATIONS

Concerts, Exhibitions, Performances, Events, Workshops


Distinguished Visitors


Bashman, X. AngloGold Ashanti Stakeholder Relation-
Out of a total of twenty-five (25) projects/programmes conducted in 2013, thirteen (13) were linked primarily to the Molecular Biology & Systematics focus and twelve (12) dealt mainly with Conservation Biology & Ecology issues. Altogether thirteen (13) BSc Honours, twenty-five (25) Masters and twenty-three (23) PhD projects were undertaken or completed in 2013, a fine achievement by a staff of only eight (8) full-time scientists. In addition, a total of eleven (11) students received their postgraduate degrees (for work completed in 2012) during graduation ceremonies in 2013.

**Significant Research Aligned Activities**

Freshwater fish research in both South Africa and the rest of Africa continued during the year. Although officially retired, Professor Paul Skelton undertook two 10 day missions to Namibia as part of a consultancy for Food and Agricultural Organisation of the United Nations, Namibia, to develop a fish collection at the Kamutjonga Inland Fisheries Institute. He also worked with Dr Albert Chakona on the description of a new redfin species (*Pseudobarbus* sp.) from Veltenrivier in the Western Cape and investigated the identity of the Andrew Smith’s type specimen of ‘Barbus capensis’ in collaboration with Dr Emmanuel Vreven of the Africa Museum in Tervuren, Belgium.

Understanding the processes that drive fish diversification and shape the geographical distribution patterns of present taxa provides a fundamental baseline for a number of biological studies and also for informing effective measures for biodiversity conservation. Research led by Dr Albert Chakona in the Cape Floristic Region (CFR) of South Africa has uncovered exceptional diversity in stream fishes belonging to three genera: *Galaxias*, *Pseudobarbus* and *Sandelia*. The research helped to shed more light on the role that sea-level changes and intermittent freshwater connections played in promoting diversification and shaping the
distribution patterns of stream fishes in the south-western C.F.R. The research resulted in more accurate mapping of the distribution ranges of all unique lineages that were identified within Galaxias, Pseudobarbus and Sandelia. Data on the distribution of unique lineages have already been used to help define national freshwater fish sanctuaries for the Breede and associated systems as part of the National Freshwater Ecosystems Priority Areas (NFEPAs) initiative led by the CSIR and SANBI in partnership with SAIAB.

Alien invasive fishes play a major role in southern African aquatic ecosystems. The research focus during 2013 remained strongly focused on detection of alien bista, understanding their biology and pathways for their introduction and spread. Dr Olaf Weyl’s research group has started applying set criteria to evaluating invasions and in 2013 published two papers that used a unified invasion framework to assess the state of catfish invasions. One of these, the vermiculated sailfin catfish, Pterygoplichthys disjunctivus, was evaluated as invasive and as a result, this species is now listed in the NEM BA alien invasive species regulations that will be promulgated during 2014.

The Rondegat rehabilitation project led by Dr Weyl is a good example of how alien fish invasions could be managed in South Africa. As is the case in many other South African rivers, in the Rondegat River the only impact on native fishes is the presence of invasive alien fish. By eradicating the alien fish, it is often possible to rehabilitate several kilometers of river, with very significant benefits for the endangered fish species present and for the associated aquatic bista. This strategy is regarded by South African fish conservation experts as the best and quickest way to improve the conservation status of highly threatened fishes. In February 2012, after a full Environmental Impact Assessment (EIA) process, Cape Nature treated a 4km stretch of the river using the piscicide rotenone. Dr Weyl’s research team was awarded a contract to monitor the impact of this treatment and the recovery of the river ecosystem. Monitoring during the year demonstrated that bass were effectively removed from the treated section and that colonisation of the area by native fishes was rapid. Early post-rotenone monitoring has also demonstrated that the rotenone did not have a significant impact on the conservation of invertebrates in the stream.

Understanding and managing alien invasive fishes requires a comprehensive understanding of their biology and ecology. Such ecological research remains a strong focus of Dr Weyl’s research group and in 2013 they published papers on the population dynamics of mosquitofish, Gambusia affinis, and the biology of an emergent invader, the sharptooth catfish, Clarias gariepinus. In addition, they validated growth zone deposition rate in otoliths of largemouth bass. Such validation is an important pre-requisite for biological research as it facilitates the accurate ageing of fishes, an important aspect of biological research.

Research into better understanding fish transfers associated with Inter-basin Water Transfer (IBWT) schemes continues to be undertaken in the Eastern Cape Province. This is a collaborative project involving Centre for Invasion Biology (CIB) researchers, Drs Cang Hui and David Richardson. A recent paper by Woodford et al. (2013) associated...
the effect of continuous propagule pressure provided by a canal network on fish invasions in irrigation ponds (small, off-channel farm-dams). By surveying fish assemblages in a series of ponds with known ages and filling histories, together with the number of fish entering them through the canal network, precise estimates of propagule pressure (the number of fish transported per unit volume of water in the canals) and establishment rate (the time taken for populations to become fully established within the ponds) could be generated. These data allowed the CIB team to quantitatively assess the direct impact of propagule pressure on establishment success and the results quantitatively demonstrated the dangers posed by IBWT infrastructure for increasing freshwater fish-community homogenisation, both at regional and international scales.

Most of Dr Gavin Gouws’ research activities during 2013 involved completing products and submitting manuscripts from past research projects and from student research. Much attention was devoted to establishing new collaborations and building on existing collaborations. As such, the bulk of his active research work and data generation concentrated on two collaborative projects. The first, in collaboration with Prof Renzo Perissinotto (SA Research Chair in Shallow Water Ecosystems, Nelson Mandela Metropolitan University), used molecular data to examine freshwater crab diversity and the distribution of unique lineages in the freshwater crabs of KwaZulu-Natal, with the view to informing the conservation of unique diversity around the iSimangaliso Wetland Park. The second project, part of a long-standing and broader collaboration with Dr Franz Uiblein (Institute for Marine Research, Bergen, Norway) on the systematics and taxonomy of the goatfish genus Upeneus, presented evidence for the delineation of a new species in the Western Indian Ocean.

Ofer Gon’s research year focused mainly on the work of two students completing PhD theses and the resulting papers. Ms Tshoanelo Moloi produced a paper on the relationship between the activity level of biological antifreeze and the thermal environment of a nototheniid species living at different latitudes in the Southern Ocean. Mr Pholoshi Maake described two new species of mormyrid fishes from South Africa and one from Mozambique. In January 2013, two Japanese students from Kagoshima University, Japan, and in April 2013, a student from Tel-Aviv University, Israel, visited SAIAB and worked under Ofer’s supervision. Ofer also described a new (and first) species of the apogonid genus Pseudamiops from the Red Sea and re-described two western Indian Ocean species of the genus Archamia.

Emeritus Curator of Marine Fishes, Dr Eric Anderson, continues to make valuable contributions to SAIAB in terms of marine fish specimen identification and, with collaborator Hsuan-Ching Ho, in re-writing sections of the upcoming book on western Indian Ocean fishes. Our other Emeritus Curator of Marine Fishes, Dr Phil Heemstra, and recently retired Senior Illustrator, Elaine Heemstra, continue to make huge contributions towards the text and illustrations for the nearly complete manuscript of coastal fishes of the Western Indian Ocean. In a similar manner, Wouter Holleman is playing a major role in pulling together the final version of
Professor Alan Whitfield continued his involvement with postgraduate supervision in 2013 and three (3) of his Masters and one (1) Doctoral student submitted their theses for examination at the end of the academic year. Of particular interest are the results from Mandla Magoro’s MSc study of largemouth bass Micropterus salmoides predation on juvenile estuary-associated fish species in the Koega system. Not only has Mandla shown that juvenile freshwater mullet, Myxus capensis, and Cape moony, Monodactylus falciformis, are preyed upon by this alien fish predator, the acoustic telemetry results from his research indicate that the bass make extensive forays into the upper estuary following river flood events.

Vincent Masefield’s study has also come up with some important findings, including the fact that the percentage natural vegetation cover in a river catchment has a direct correlation with the health of the downstream estuary.

Dr Francesca Porri and her students and collaborators have successfully completed the first year of sampling to investigate the dispersal of benthic invertebrate larval in Eastern Cape coastal waters. The project is funded by the Department of Science and Technology (DST) Raplopi, African Coelacanth Ecosystem Programme (ACEP) and includes a topographic comparison of the distribution of benthic invertebrate larvae and the physical characterisation of the system in which larvae are collected to determine possible physical drivers of larval distribution. The study comprises day/night sampling at four sites in duplicated onshore-to-offshore coastal transects in Algoa Bay, Skoenmakerskop, St Francis Bay and Cape St Francis.

Dr Paul Cowley started three new acoustic telemetry studies and also facilitated the establishment of two new Acoustic Tracking Array Platform (ATAP) monitoring sites: one at Gansbaai to facilitate the collection of improved data on tagged white sharks, and one at Sodwana Bay to collect movement data on tropical species such as bull sharks, potato bass and green jobfish.

In April 2013, Paul went to Alaska (USA) as an invited scholar of the Marine Ecosystem Sustainability in the Arctic and Subarctic Program at the University of Fairbanks, where he presented selected lectures, a public talk and interacted with postgraduate students.

In July 2013, SAIAB hosted the 2nd International Conference on Fish Telemetry in Grahamstown and this very successful event was attended by delegates from more than fifteen (15) countries. Dr Cowley’s year ended with a six-week research cruise to remote Indian Ocean islands and atolls, including the UNESCO World Heritage Site at Aldabra, where research activities included biodiversity assessments using baited and unbaited remote underwater video recordings, the collection of genetic samples (fin clips) from selected species and the acoustic tagging of blacktip reef sharks.

Two new MSc projects supervised by Dr Nikki James dealt with estuarine nursery habitats...
were started in 2013. The Bushmans Estuary is the focus of a project examining differences in the abundance and diet of a dominant estuarine-dependent marine species, *Rhabdosargus holubi*, in four different habitat types (saltmarsh, seagrass, sand and mud). This project also examines the plant communities in the two vegetated habitats on the effects of climate change on South African estuaries and associated fish species during the year.

The project on climate change modelling and genetic stock structure of shared linefish species, led by Drs Monica Mwale and Nikki James, was completed in 2013. Three MSc theses on three species (angler, *Chrysoblephus punctatus*; Ettelston, *Polysteganus praenobilis*, and the catface rockcod, *Epinephelus andersoni*) were concluded. These important fishes species have declined drastically in numbers and fishing restrictions have been implemented. Nuclear and mitochondrial DNA analyses indicated limited or no genetic differentiation, with high levels of gene flow among the populations of the two sparids (*C. punctatus* and *P. praenobilis*), while the catface rockcod had high levels of genetic variation and significant geographic structure along a north/south axis. The results from this project were presented at the 8th WOCESA Conference (Maputo, Mozambique) and the Indo-Pacific Fish Conference (Kinhawa, Japan).

Monica also wrapped up the publication of two past manuscripts on the systematics of endemic southern African taxa from estuarine systems during the year. A paper on the longnose pipefish, *Syngnathus temminckii*, and estuarine pipefish, *S. watermeyeri*, identified a uniquely southern African clade of these two species in this genus and provided more information on their genetic diversity. A paper from Pholoshi Maake’s MSc thesis on the river goby, *Glossogobius callidus*, identified cryptic speciation in this widespread species, suggesting genetic diversification between freshwater and estuarine populations.

A new project in the Integrated Biodiversity Information Programme of the NRF, with SAIAB involvement led by Monica, was initiated in 2013. The aim of this project entitled "SeaKeys: Unlocking Foundational Biodiversity Information", is to unlock marine biodiversity knowledge through the co-ordinated capture and dissemination of existing data, targeted new research and innovative capacity building and knowledge generation. The project, which is co-ordinated through the South African National Biodiversity Institute (SANBI), will include collaboration with various other South African institutions and researchers in marine biodiversity. SAIAB’s role will be the DNA barcoding of 200 marine fish and invertebrate species.
of Ontario/International Development Research Centre (IDRC-BID) Postdoctoral Fellow Tuuli Mäkinen, was completed in early 2013. A new barcoding initiative was started in 2013 together with SANBI and the NTNU Museum of Natural History and Archaeology in Trondheim, funded by the Norwegian Directorate of Nature Management. SAIAB’s part in this project is coordinated by Roger Bills and Tuuli Mäkinen. Under this initiative a barcoding workshop was organised at SAIAB in May 2013. The project includes additional funding for barcoding, especially for expanding barcoding databases for lesser known groups including South African marine crustaceans, freshwater insects and amphibians. The long-term projects at SAIAB to barcode western Indian Ocean reef fishes, southern African freshwater fishes and amphibians and ornamental fish species continued during 2013.

East Africa's coral reefs provide valuable resources, a rich source of protein and income through tourism for coastal communities in Mozambique, Tanzania and Kenya. However, these coral reefs have suffered major overexploitation of fishes and devastation of corals by drag netting and dynamite fishing. Dr Rhett Bennett, a SAIAB Postdoctoral Fellow, joined the Moving Sushi Oceans Exploration team of young scientists, on the 2013 East African Marine Transect Expedition; an ambitious freelance research expedition to survey the coral reef fishes and corals of the East African region, and provide a quantitative baseline dataset for resource managers. Using SCUBA diver-operated stereo video to assess fish community structure, and still photography to assess benthic cover, 208 sites were surveyed from southern Mozambique to central Kenya. These dives produced over 100 hours of stereo video footage and over 12 000 benthic photographs, and recorded more than 230 000 fish representing 380 species.

Certain reefs, for example in the Quirimbas Archipelago in northern Mozambique, were observed to be in excellent ecological condition, with high fish biomass and diversity and well-established coral communities. Furthermore, high densities of large predatory fishes, such as potato groupers and large snapper species, provide supporting evidence that certain well-established no-take zones in Mozambique, Tanzania and Kenya are effective in the protection of important fishery species. However, reefs in closer proximity to coastal access points and local fisheries (including some reefs within protection zones) exhibited low fish biomass, and numerous reefs throughout the region have become dominated by algal cover, evidence that even the herbivorous fishes have been overexploited. In addition, the corals themselves, in many areas, for example southern Tanzania, have been devastated by the destructive practices of dynamite fishing and drag netting. The results obtained during the expedition will provide a much needed baseline dataset on the status of East Africa’s coral reefs, from which resource and environmental managers can draw information to facilitate the planning of future management initiatives, and to help improve resource management and the status of the coral reef resources in the region.

In conclusion, the productivity of SAIAB research staff, students and Honorary Research Associates continued at a high level in 2013, with sixty-seven (67) refereed scientific papers, twelve (12) books, book chapters/sections and book reviews, and twenty-three (23) research reports and theses appearing during the year (Note: only those publications conducted in association with Rhodes University staff and students are listed in this report). A total of fifty-nine (59) conference and symposium papers were delivered at a wide variety of national and international venues, as well as twelve (12) seminar and workshop presentations. In addition to the above more formal activities, our scientists continue their efforts to communicate information about their research for use by managers, scholars and the wider public. This is evidenced by the twenty-nine (29) public presentations delivered and twenty-one (21) research related popular articles produced by SAIAB staff during 2013.


Cowley, P.D.


