TWENTY 15 RESEARCH REPORT

The future is here – it’s female
A publication of the Rhodes University Research Office, compiled and edited by Tarryn Gillitt, Busi Goba, Patricia Jacob, Jill Macgregor and Jaine Roberts

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Cover: Rhodes University researchers Pam Maseko, Nomalanga Mkhize, Heila Lotz-Sisitka, Ruth Simbao, Anthea Garman and Catriona Macleod

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Rhodes is a research led university, and, despite its relatively small size, is one of the pre-eminent research institutions on the continent, which produces world leading research for the betterment of humanity and the natural world.

Building on the foundation of intellectual rigour which has defined Rhodes University for generations, the diverse student body, outstanding pass and graduation rates, and amongst the highest per capita research output of institutions in South Africa, our priorities for the coming years for growing and improving scholarship are to:

• Protect our intellectual space by ensuring that there is little or no encroachment into the research time and resources of our academics;
• Increase the percentage of academics with doctoral level qualifications;
• Raise the total research output for the institution by encouraging and supporting all academic staff members to produce at least one accredited output per year;
• Grow the Postgraduate proportion of the student body to 30% whilst, at the same time, ensuring the diversity of the Postgraduate population; and
• Grow the number of research focus areas with significant critical mass behind them, for which the university is known as a place of scholarly excellence.

Every year, Distinguished Professor Tebello Nyokong does something amazing that brings honour to her work, this University, and the reputation of African Scholarship. And year after year, it just gets more impressive. During 2015, Professor Nyokong and her group produced 63 ISI accredited journal papers, a new record and an absolutely astounding achievement. Many respected academics are proud to have achieved this kind of track record across a career. In the April 2015 Science Graduation ceremony, Professor Nyokong set a new all-time record as a supervisor at Rhodes University, graduating 6 PhD candidates in one ceremony. Also during the course of the year, she was appointed by UN Secretary-General Ban Ki-moon to the new high-level panel exploring the Technology Bank and Science and Technology Innovation Mechanism for Development, was recognised by CEO (Celebrating Excellence in Organizations) as the most influential woman in Education & Training in the SADC (Southern African Development Community) region, and was awarded a Laureate of UNESCO Medal for her contribution to the development of Nanoscience and Nanotechnologies. Professor Nyokong was amongst the the first SARChI Chairs awarded in South Africa in 2006, and has proved what a good research investment the SARChI programme has been for South Africa. We are extremely privileged to have this intellectual voice at Rhodes University.

Engaged research is a feature of research at Rhodes University that received a special validation in 2015, when the recipient of the Vice-Chancellor's Distinguished Senior Research Award was also part of the group which received the Vice-Chancellor's Distinguished Community Engagement award - a real example of how outstanding research and meaningful community engagement should co-exist. The Vice-Chancellor's Distinguished Senior Research Award for 2015 was awarded to Professor Catriona Macleod, SARChI Chair in the Department of Psychology, for the national and international impact of her research over a sustained period, spanning critical health psychology, feminist psychology, and theoretical psychology.

The Vice-Chancellor’s Distinguished Research Award (in the age group 40 and below) for 2015 was awarded to Dr Adrienne Edkins, SARChI Chair in the Department of Biochemistry & Microbiology, whose research has made considerable advances to fundamental understanding, in the fields of cell stress biology and cancer biology, addressing issues of foundational importance to human health, and to breast cancer studies in particular. The Vice-Chancellor's Book Award for 2015 went to Professor Antjie Krog of the School of Journalism and Media Studies, for her book entitled Antjie Krog and the Post-apartheid Public Sphere: Speaking Poetry to Power (UKZN Press, 2015).
A further feature of research at Rhodes University has long been international collaborations, many of them responsible for raising the international competitiveness and voice of scholarship involving Rhodes academics and students. In March 2015, Rhodes University became a founder member of the African Research Universities’ Alliance (ARUA), launched at the African Higher Education Summit in Senegal. Leading universities with strong programmes of research and Postgraduate training formed the network of 16 institutions, which aim to bring together intersecting and complementary strengths in the interest of building critical mass in the key development priorities of the African continent.

We were delighted to receive the news in 2015 that Rhodes University has been awarded three more SARChI Chairs. The new Rhodes Chairs are:

- Professor Heila Lotz-Sisitka (Environmental Learning Research Centre) - Global Change Social Learning Systems Development: Transformative Learning and Green Skills Learning Pathways;
- Professor Ruth Simbao (Fine Art) - Geopolitics and the Arts of Africa;
- Dr Adrienne Edkins (Biochemistry and Microbiology) - Molecular and Cellular Biology of the Eukaryotic Stress Response.

Many other individual academics receive widespread acknowledgement of their work. Particularly noteworthy examples were:

- Professor Martin Hill and the Biological Control Research Group, who were the recipients of the NSTF-GreenMatter Award for outstanding contributions to biodiversity conservation, environmental sustainability and a Greener Economy;
- Professor Olaf Weyl, of SAIAB, who received the Water Research Commission Knowledge Tree Award;
- Professor Ros Dowse, who was inducted as an honorary life member of the Academy of Pharmaceutical Sciences; and
- Professor Heila Lotz-Sisitka, who, as head of a multi-institutional consortium, attracted an International Social Science Council grant of R13,5 million for a three-year programme to build a Transformative Knowledge Network. It is one of only three grants awarded across the globe, and the only one to a country in the South.

As one of a range of transformation imperatives at Rhodes University, the institution was part of an Andrew W. Mellon Foundation funded consortium for redressing the skewed demographics of senior academic levels within the university. Until now, most of our efforts at improving the demographic make-up of our academic body has been aimed at the emerging scholar levels. Our next challenge is to find resources for this kind of initiative to be rolled out within scholarly areas outside of the Humanities.

I extend my congratulations and thanks to all of our researchers, collaborators, funders, donors, and partners who contributed to making 2015 a year in which research at Rhodes University flourished. Your expertise, integrity, dedication, rigour and generously make Rhodes University the rich and distinctive intellectual space that it is.

My commitment is to use my leadership to further our shared objective of strengthening our university's position as a distinct and distinctive institution providing outstanding education to young people of our country and beyond, generating and disseminating knowledge of high quality which advances human understanding and wisdom; knowledge that helps us build and sustain a better society and a better world.

Dr Sizwe Mabizela
Vice-Chancellor
INTRODUCTION

2015 is the year in which women researchers at Rhodes University really shone, achieving high profile accomplishments across the institution. This research report consequently highlights the achievement of women.

It is the year in which, for the first time in the history of the Vice-Chancellor’s Awards at Rhodes University, all of the awards were made to women - the research awards, the teaching awards, and the book award. The Community Engagement award went to a group of four, three of whom were women. None of this was by design; it was how the results of various peer selection processes fell, on the basis of evidence.

It is the year in which three new SARChI Chairs were awarded to Rhodes University, all of the incumbents women. This took the number of SARChI Chairs at Rhodes to 14, or 7% of all chairs awarded nationally (to an institution that represents 0.75% of the sector - not a bad achievement), but, worth noting on the theme of women, it took the proportion of women held Chairs at Rhodes to 50% (the national percentage of women SARChI Chairs is 40%).

It is the year in which the research outputs of a leading researcher smashed all records, as highlighted in the Vice-Chancellor’s foreword. This researcher happens to be a woman, Africa’s iconic woman researcher, Distinguished Professor Tebello Nyokong, who from her laboratories in the Nanotechnology Innovation Centre at Rhodes University has become amongst the most productive and influential researchers on the continent, attracting accolades and recognition from across the globe. A supreme role model without doubt, and perhaps one of the reasons why women at Rhodes know they can.

2015 is also the year in which the university’s first woman Deputy Vice-Chancellor was appointed, Dr Chrissie Boughey, herself a leading researcher and scholarly role model.

So, all in all, it is fitting that this 2015 annual report turns out to be one that honours the women of Rhodes University.

While the presence of an international research icon, a high concentration of SARChI Chairs, and high performing scholar-teachers across the institution does wonderful things for the intellectual space that is Rhodes University, so too does the presence of support.
staff who not only think in scholarly terms, but increasingly contribute to the formal scholarly output of the university. It is a delight to see the number of support staff contributions to formal research outputs grow each year, from a wide range of divisions. Here we must celebrate successive Vice-Chancellors who lead by example as active scholars. A flip through this report will reveal publications by our current Vice-Chancellor, and our immediately past Vice-Chancellor who remains affiliated to Rhodes University as a Visiting Professor.

All of those highlighted here, and the many others whose intellectual work is listed in this report, contribute wonderfully to the intellectual space of the university, and to the academic capacity and the scholarly reputation that Rhodes continues to raise.

I add my warm thanks and congratulations to all of our researchers, funders, collaborators and partners who contributed to the strong accredited research results of 2015, as well as those generating 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 play a crucial role in preparing the university’s meticulous audited submissions, and all who support the research endeavor intellectually, administratively, technically, creatively, and by maintaining our physical space as one that facilitates and encourages our diverse intellectual activity.

Dr Peter Clayton
Deputy Vice-Chancellor: Research and Development
Rhodes University acknowledges and congratulates the following for their accredited research outputs (Journal publications, Books & Chapters, and Masters/Doctoral students graduated) in 2015:

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<td>Professor Charlie Shackleton</td>
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<td>Associate Professor Barry Irwin</td>
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<td>Associate Professor Nicole Richoux</td>
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<td>Professor Brett Pletschke</td>
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<td>Professor Marc Schafer</td>
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RESEARCH REPORT 2015
Faculty of Commerce (2 PhDs)

PHD GRADUATES

DEGREE OF DOCTOR OF PHILOSOPHY


Faculty of Education (9 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY


Faculty of Humanities (16 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY


GIMENEZ AMOROS, Luis, MMus (Rhodes), in Music & Musicology, in the Department of Music and Musicology. Degree by thesis. Transnational habitats: Mariem Hassan as the transcultural representation of the relationship between Saharaui and Nubenebra records. Supervisor: Dr L Watkins.


Faculty of Law (1 PhD)

VAN NIEKERK, Hester Aletta, MEd (UP), in the Faculty of Law. Degree by thesis. Thesis: Determining the competency of children with developmental delays to testify in criminal trials. Supervisor: Dr KD Muller.

Faculty of Pharmacy (1 PharmD and 4 PhDs)

UGATHPAL, Vishen, BPharm (Rhodes)

DEGREE OF DOCTOR OF PHARMACY


NGQWALA, Nosipholette Patience, MSc (Rhodes), in Pharmaceutical Chemistry, in the Faculty of Pharmacy. Degree by thesis. Thesis: Modification and application of decentralised wastewater treatment technology for greywater treatment to reduce water needs. Supervisor: Dr R Tandlich.

PATEL, Sonal, BPharm (Rhodes), in Pharmacy Practice, in the Faculty of Pharmacy. Degree by thesis. Thesis: The design and evaluation of targeted patient-centred health information to improve knowledge and behavioural outcomes in tuberculosis patients with limited literacy. Supervisor: Professor R Dowse.
Faculty of Science (42 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY

ADAMS, Ross Montague, BScHons (Wits), MSc (Rhodes), in Mathematics, in the Department of Mathematics (Pure and Applied). Degree by thesis. Thesis: Contributions to the study of a class of optimal control problems on the orthogonal groups $S(3)$ and $S(4)$. Supervisor: Dr CC Remsing. Co-supervisor: Dr W Holderbaum (Reading).


BIZABANI, Christine, BScHons (Midlands State), MSc (Rhodes), in Microbiology, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: The diversity of root fungi associated with Erica species occurring in the Albany centre of endemism. Supervisor: Professor JF Dames.


CECH, Alexandra Louise, BSc (Wits), in Biotechnology, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Towards a mobile bioethanol unit for point of source conversion of sugar sources to bioethanol: Design and feasibility study for South Africa. Supervisor: Professor J L Limson. Co-supervisors: Dr R Fogel and Dr G Cambray.

CHAMBERS, Craig Brian, MSc (UKZN), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Production of Cydia pomonella granulovirus (CPGV) in a heterologous host, Thaumatotibia leucotreta (Meyrick) (False codling moth). Supervisor: Professor MP Hill. Co-supervisors: Dr C Knox and Dr SD Moore (CR). 


DANANI, Karim Colin Hassan, MSc (Rhodes), in Biochemistry, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Human FN1 is regulated by the heat-shock response. Supervisor: Dr AL Edkins.


GENNARI, Enrico, MSc (Degli Studi (La Sapienza)), in Fisheries Science, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Thermal physiology and behavioural ecology of the white shark, Carcharodon carcharias. Supervisor: Dr P Cowley (SAIAB). Co-supervisor: Mr R J Johnson (Oceans Research).

GOLA, Nontutuzelo Pearl, BScHons (UPE), MSc (Stell), in Water Resource Science, in the Institute for Water Research. Degree by thesis. Thesis: The value of locally isolated freshwater micro-
Supervisor: Distinguished Professor T Nyokong. 

**JONES, Roy William**. NDip (Technikon SA), MSc (Rhodes), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Aquatic invasions of the Nseleni river system: causes, consequences and control. Supervisor: Professor MP Hill. Co-supervisors: Dr O Weyl and Dr J M Hill.


**MAAKE, Pholoshi Abram**. MSc (Limpopo), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Systematics and phylogeography of mormyrid fishes in South Africa. Supervisor: Dr G Gouws (SAIAB). Co-supervisors: Dr E Swartz (SAIAB) and Mr G Gon (SAIAB).

**MAGWA, Nonampondo Penelope**. BSc (NMU), BScHons, MSc (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: The development of amine-based extractants for separation of base metals in a sulphate medium. Supervisor: Professor Z Tshentu (NMMU). Co-supervisors: Dr E Swartz (SAIAB) and Professor GW Watkins.


**TALWANGA, Matiki**. BScHons (Fort Hare), MSc (Rhodes), in Mathematics, in the Department of Mathematics (Pure and Applied). Degree by thesis. Thesis: Counting of finite fuzzy subsets with applications to fuzzy recognition and selection strategies. Supervisor: Professor V Murali.


VAN DER WAAL, Benjamin Wentsel, BSc (North-West), BScHons, MSc (Rhodes), in Geography, in the Department of Geography. Degree by thesis. Thesis: Sediment connectivity in the upper Thina catchment, Eastern Cape, South Africa. Supervisor: Professor KM Rowntree.


PROFESSOR ANTHEA Garman has always been fascinated by Antjie Krog. Over the years such fascination has circled closer and further away, but it was really sharpened when Krog led the SABC radio’s coverage of the Truth and Reconciliation Committee’s first sitting in 1996 using her maiden name, Antjie Samuel. “I realised this in retrospect because we’re out of step generationally - she was born in 1952, so she’s a chunk older - but I first encountered her at the TRC when I was working for the Natal Witness. I didn’t know her at all because she wasn’t a journalist and she was heading up the SABC’s team. Then Country of my Skull came out and just took off like a rocket. And suddenly many of my interests coalesced.”

Garman watched the book, how it was translated, prescribed and received. She realised that it became mandatory reading in approximately 20 universities worldwide. With this immediate post-apartheid feting of Krog as an informal spokesperson and authority, so Garman found the mystery deepening. How, she asked herself, had Krog attained her status? How was she able to create and maintain the authority that allowed her, in Garman’s words “to become everyone’s favourite go-to Afrikaner.” What factors - public, intellectual and private - fused so conveniently to give her the privileged speaking position she so clearly had?

Along with the refinement of her intrigue, Garman did a course on research methodology while on sabbatical. “In it I encountered phenomenology,” she says. “And I realised that you could use one person’s life and concentrate on them and tell their story, and in doing that, tell more than just their story.”
And so Garman set out to write her PhD thesis about Krog, a thesis which metamorphosed into her lauded book, *Antjie Krog and the Post-Apartheid Public Sphere: Speaking Poetry to Power*. The book, stresses Garman, is not a biography in the traditional sense; neither is it an exegesis of Krog's writing. Rather it is about how circumstance - and frequently Krog herself - have fashioned a unique position in the post-Apartheid public sphere.

It is a fascinating story, largely because it has so many strands, and it begins when Krog, daughter of a mother with literary pretensions (she published in Afrikaans magazines under her maiden name) and a farmer father, had three poems published in the Kroonstad High magazine in 1969, Krog's matric year.

One of the poems is called *My Mooi Land* and details how a white girl and a young black boy of the same age lie down in the grass together. The poem is a local sensation and Kroonstad High's headmaster receives a parental delegation post-publication; they demand an explanation. By now the damage - if this is what it is - has been done. Beeld get hold of the story. “A furore unfolds,” says Garman with winning understatement.

“While the Kroonstad High parents argue that this poem is not within the bounds of decency,” says Garman. “Dot Serfortein, Antjie’s mother, believes she’s dealing with an artistically gifted child. Beeld get hold of the story and give it a kind of salacious Sunday-newspaper treatment, and follow-up articles are pursued in the English press. A week or two later some bright spark on the Beeld desk suggests that they ask two Afrikaans literary heavyweights, DJ Opperman and Ernst van Heerden, what they think of Krog’s poems. ‘This is marvellous,’ they say. ‘We think they have great value.’ And so suddenly Krog goes off to the University of the Orange Free State with a collection of poems [*Eerste Gedigte*] under her arm as a published author.”

Garman argues that these unfolding events are deeply significant in Krog’s future development. In many ways they set in motion the sweep of currents which allow Krog her longevity and pre-eminence. “That incident at 17 sets her trajectory across those three fields - literature, journalism and politics - and every future moment, in a sense, becomes a public moment. She does an Honours degree under Opperman at Stellenbosch and then does her Masters about his poetry at Tukkies before returning to teach in Kroonstad at the coloured school because she didn’t have a teaching diploma and so couldn’t teach at the white school.”

For a poem first published in a high school yearbook, *My Mooi Land*, has remarkable durability, travelling far and wide. It reaches Ronnie Kasrils, sitting in Tanzania. “The ANC in exile take it as a sign that maybe young Afrikaners are more open,” says Garman. “Ahmed Kathrada reads the poem in Huisgenoot while imprisoned on Robben Island and he reads it again at his homecoming in Soweto in 1984. A young Weekly Mail journalist is there and he asks: ‘Who the hell is this person?’”

The mid-1980s are a tough time for Krog. She becomes profoundly disaffected and throws her lot in with the township Comrades. Still, her artistic capital is high. Her poetry books sell in the thousands, seldom going out of print and regularly being anthologised. No self-respecting lover of Afrikaans literature - particularly women - are without either a full or a close-to full, collection.

In the late 1980s she becomes part of the Afrikaans literary and political delegations to visit the ANC overseas. These delegations, with figures like Van Zyl Slabbert and Breyten Breytenbach prominent, serve to keep her name in the public milieu. And Pippa Green and Frantz Kruger ask her to join their SABC team to cover the TRC, as South Africa begins her path to democracy, a choice both confounding (Krog has no journalistic credentials) and entirely plausible (given her public standing created all those years ago). “There have been ways in which she’s been extraordinarily brave - in the 1980s for example,” says Garman. “And she’s been brave in ways I haven’t, where I’ve been far more careful about risk and reward. She seems to me to be very impulsive and supremely self-confident. I like and I’m interested in women who will not be constrained and censored.”

Luke Alfred
ONE SENSES SOMETHING quietly challenging lingering in the air when stepping into the home of the Critical Studies in Sexualities and Reproduction programme in the south-eastern corner of the Rhodes campus. The impression is given added weight when meeting Professor Catriona Macleod, head of the programme and a SARChl Chair since 2014. She’s friendly yet formidably clear-sighted, warm yet almost zealously unsentimental.

She wrote her PhD on the subject of scientific and professional practices around teenage pregnancy. It was from this work that the programme’s ambit was developed, although broadened to include a range of issues concerning sexualities and reproduction. The research programme aims to conduct critical research that addresses the social and human dynamics underpinning the slow progress towards full sexual and reproductive citizenship for all. Researchers in the programme scrutinise the politics and practicalities of sexualities, reproductive decision-making, pregnancy and abortion in ways that re-frame them, allowing us to think about them with new insight and the shock of fresh recognition. “For example,” says Macleod, “one of the key contributions this unit would like to make would be to re-theorise our thinking around unintended pregnancies through the notion of supportability. We see this type of re-theorising as an emancipatory project.”

From her days 20-odd years ago at the Wits Rural Clinic and working alongside various community-based health projects, Macleod was always interested in what she calls “technologies of representation and intervention”. “I was interested in how the rural teachers and nurses were talking about teenage pregnancy,” she says. “They would tut-tut and wring their hands and say, ‘oh, isn’t this terrible’, but we discovered that age per se isn’t the problem [as far as teenage pregnancy is concerned], it’s rather the intersection of access to health care and poverty. The revisionists argue that early reproduction is beneficial when you live in circumstances of poverty as you have more access to care resources.”

Indeed, the programme aims to get beyond rights-based practices and discourses in its study of sexuality and reproductive health. The unit is generally suspicious of the language of rights in the public health domain, noting that not only is it far from an ideal foundation for legislation but that its practical failings are transparent. “The practice of abortion provision doesn’t flow naturally from a rights framework,” says Macleod. “Something like just above 50% of the facilities are actually working. What we find is that there isn’t always the will to exercise the rights framework because the rights framework doesn’t necessarily gel with how people think about sexuality and reproduction.”

As an alternative to a moribund (and sometimes practically inefficient) rights-based abortion discourse, Macleod and the programme suggest a discourse around “Reproductive Justice, Ubuntu and an ethics of care”. The advantage of such a language would be, according to Macleod, “to extend a rights
discourse within a more grounded and grassroots type-approach to the philosophy of rights.”

Whether they take place within the context of a rights-based or a Reproductive Justice, Ubuntu-framed “ethics of care”, such interventions - and investigations - often require understanding, time and extreme sensitivity. Many of the subjects under investigation are effectively taboo, and it can take weeks - if not months - to gain subjects’ trust and co-operation. This said, there are times when Macleod and her Postgraduate researchers have been pleasantly surprised.

Research has recently been done by one of Macleod’s students into the talk of young black men to menstruation, with the work being driven by a young white man. While, common-sensically, such enquiry might have appeared destined to fail, the results were quite the opposite: “When we asked them [the young black men] about their experiences of the focus group discussions, they said that having a white man facilitate allowed them to speak, because to do so was taboo in isiXhosa ‘culture’” says Macleod. “It allowed them the space and the freedom to talk openly.”

Another Postgraduate researcher in the programme has undertaken fieldwork in Zimbabwe in order to come to a deeper understanding of unsafe abortions. Very little work (or field work, for that matter) has been done in the rest of Africa into the topic, particularly from psychologists, and although the male researcher might have expected to be confronted with closed doors and uncooperative, frightened subjects, given the stigma surrounding the issue, this wasn’t the case. Indeed, those interviewed often felt relieved, even unburdened, by talking out their pain.

While there is a great deal of personal and institutional empathy towards women who suffer as result of sexual or reproductive related trauma (e.g. sexual violence or undertaking their own abortions), Macleod is wide-ranging in her analysis of the limitations which seem inimical to the public health care system. Take the role of what she calls “health service providers” in antenatal care, for example. “What’s fascinating is that they sit between two pressures: pressure for them to avert maternal mortality - there is an expectation from above for them to accommodate and deliver excellent service - and, on the other hand, the hard reality of queues and queues of people. They have to find creative ways of negotiating these contradictory pressures. Being caught, as they are, between two pressures, makes it easy to pass the pressure downward and moralise. Nurses are systemically in extremely invidious positions.”

Macleod’s final quote not only shows how the unit thinks but how she goes about theorising her way through the maze that is sexuality and reproduction in contemporary South Africa. Firstly, there is a close reading, something subtle and nuanced. Behind that is the wellspring of compassion, an understanding that nurses and public health care providers are often in jammed, contradictory positions. It makes for a robust project, one about which Macleod, who has just a pinch of the evangelist about her, is justifiably proud.

Such pride extends to the university community as a whole, who recognised Macleod’s intellectual pedigree when she was awarded the Vice-Chancellor’s Distinguished Senior Research Award for 2015. It was the second time Macleod’s has won a Vice-Chancellor’s award - the first was the 2012 Book Award.

A scholar with “an outstanding critical profile”, peer reviewers have chosen to characterise Macleod as “the most eminent critical feminist psychologist at work in South Africa today. She has published widely and over long period, combining methodological sophistication with a sensitivity to ‘down-to-earth’ issues around pregnancy, reproductive sexuality and citizenship that are mainly of a social justice nature. Not only is she highly regarded as an academic and a supervisor but she was appointed as editor-in-chief of Feminism & Psychology, the prestigious international journal in 2013, and was selected as the convener of the International Conference of Critical Health Psychology last year.”

Luke Alfred
WHILE Dr Adrienne Edkins’ research and teaching record in the Department of Biochemistry and Microbiology is impeccable, it is perhaps more germane to hone in on the value system which underpins her quest for academic excellence. Edkins, for example, was educated at secondary school level in post-independence Zimbabwe, an excellent system based on the British model, which gave her an enviably solid foundation on which to build her future interest and career.

In conversation about her high-school education, several themes emerge. She talks about the school dress code (tastefully conservative) and the fact that students at her all-girls school weren’t allowed to bring school lunches. “Food and unequal access to different types of food can very easily breed inequality,” she says, as she goes on to detail the egalitarianism and stress on fairness of her high school upbringing.

To her comment about food she adds the more general reflection that her school inculcated an ethic not only of equality but one of hard work. The prevailing ethos was that working hard was a value in itself - there were no short-cuts to understanding and success.

Such an ethic has served Edkins well. She already ranks amongst some of the most productive researchers at the university, although she is at a relatively early stage of her academic career, and this she combines with an impressive publication and Postgraduate supervision record. As far as publications are concerned, she has edited two books, six chapters of books, as well as writing 26 journal papers. To this impressively long list can be added a range of conference and other presentations.

While a hard worker, Edkins is also fundamentally curious. One doesn’t automatically associate curiosity with research into cell stress and cancer biology but it is this very curiosity which has driven her research and quest for knowledge, as it relates to human health in general and breast cancer studies in particular. Her review of cancer stem cells and metastasis (Lawson et al., 2009) has attracted a high number of citations, including several from top international researchers in the field of cancer biology. This, when combined with all the other facets of her output and research, is what has led to her receiving the prestigious Vice-Chancellor’s Distinguished Research Medal.

In 2011 she was appointed Director of the Biomedical Biotechnology Research Unit (BioBRU) alongside her scholarly and teaching role in the Department of Biochemistry and Microbiology. She quickly established a highly productive 20-person research team, which contains a wide range of personalities with some fascinating outside interests. The team includes three Postdoctoral Fellows and nine PhD candidates; Edkins has supervised or co-supervised eight PhD and 22 Masters graduates to completion.

Adrienne Edkins has won competitive research grants from the MRC, CARISA, CANSA and the NRF, including a major...
NRF equipment grant. Moreover, she has translated these grants into publications and Postgraduate training, and into collaboration opportunities with leading researchers both national and international (such as with Professor Didier Picard, University of Geneva, through an NRF-Swiss Collaboration Grant).

In addition to her exceptional research contribution, Dr Edkins has a strong track record in promoting the public understanding of science, and has excelled in teaching at both undergraduate and Postgraduate levels. She was nominated for a teaching award in 2014.

In 2015 Dr Edkins was awarded the prestigious National Research Foundation SARChI Chair in Molecular and Cellular Biology of the Eukaryotic Stress Response, enabling her to devote her working time to research and Postgraduate students.

Her referees have the following to say about her: “Dr Edkins has already achieved national recognition as an expert in her field of research, and is well on her way to broader recognition... through invitations to review journal articles from well-respected international journals, and invitations to review grants from international funding bodies.”

To quote another: She is an “outstanding researcher for her career stage” with “an impressive research track record”.

Luke Alfred
IT IS NOT EASY summarising the work of Professor Heila Lotz-Sisitka and that of the Environmental Learning Research Centre in a word, let alone two or three. They stand at the junction of many things, most obviously at the interface between new research in the fields of climate change, biodiversity, water scarcity and environmental politics, and the way in which such learnings can be practically applied, whether these are in school curriculums or in civil society at large.

Such work dovetails neatly with Lotz-Sisitka’s work as the SARChI Chair in Global Change Social Learning Systems Development (GCSLS). Her and the Centre's work is explicitly concerned with transformative social learning and green skills learning pathways development. As Lotz-Sisitka writes in her proposal for the SARChI Chair, awarded in February 2015: “The work addresses the core research question on social learning in the Global Change National Research Plan (DST 2010), which seeks insight into processes and systems for enhancing global change social learning.”

Before continuing, a word or two about the concept of social learning. The phrase is best understood via the pioneering work done by the developmental psychologist, Lev Vygotsky, who was trying to develop a form of transformative, collective learning in the USSR in the 1930s. He argued, according to Lotz-Sisitka, that all learning takes place on the social plane first, and is then internalised by individuals. Such learning gets further transformed and ingrained by engaging communally - in social activities.

What this means, in effect, is that learning emerges via social dialogue, application and participation in activity. Social learning is a key medium through which groups, classes and communities develop, coming to a deeper understanding of their environment by acting within it. As Lotz-Sisitka says in her motivation for the SARChI Chair: “Learning leads development.”

Learning also allows groups and communities to develop an understanding of the environment and the challenges facing people in environments, whether these relate to global warming or water scarcity. As Lotz-Sisitka points out: “The mean annual temperature in southern Africa is expected to rise by between six to eight degrees in the next 100 years - that is if there is no substantive mitigation. It is difficult to understand the impact of this because it lies so far in the future. And for many, what isn’t that immediate doesn’t seem to be too pressing. Yet such impacts of global environmental change will impact on each and everyone’s life in fundamental ways.”

A good practical example of an activity leading to social learning would be the activity of clearing alien species vegetation from the mountain slopes of Mpumalanga. In the Blyde River Canyon, says Lotz-Sisitka, there are several bodies doing pretty much the same thing: a high altitude clearing team, a Department of Water Affairs clearing team and several supportive NGOs. Yet none of them talk to each other and
there is no pooling of knowledge or resources. While the
ecologically-sensitive attitude is there, more is needed to
strengthen collaboration and cohesion for greater impact. “They
do parts of the whole - and can do those parts quite well - but
they don’t get together to synergise the whole,” she says. “This
is a real issue in our society, where people and organisations
tend to stay in their silos.” Hence the need for greater attention
to transformative social learning and green skills learning
pathways.

Besides learning that much work in the broad environmental
and water scarcity sphere tends to lack social cohesion, the
Environmental Learning Research Centre is also aware of a need
to work on “underlying issues”. “We’ve learned to work on the
underlying issues around transformation - both practical and
theoretical,” says Lotz-Sisitka. “We have a reflection-based side
to our research and that has been useful because it generates
new forms of action and reflection. We’ve also learnt that you
do not work simultaneously at the level of system and practice.
That dialectic has been important over the years because if you
just concentrate on the one that can be a problem.”

Lotz-Sisitka is also sensitive to what’s going on in the rest of
the world in terms of green and environmental issues. She says that
social justice activism in Latin America routinely deals with
environmental issues, and she is interested in the new ecological
economics being developed internationally by, say, Bob Jessop
and former student, Leigh Price. “Elsewhere in the world there
is a far bigger commitment to thinking through the issues and
politics of green economics,” she says, adding later that she
would always plump for an expanded view of what constitutes
that old South African chestnut, ‘transformation’. “Transformation
should ideally include thinking about water scarcity and climate
change,” she says. “Activist groups in India and Latin America
are busy compiling an atlas of environmental justice movements,
which sounds like a very interesting initiative.”

One of the problems with transformation
is a certain distance between theory and
practice, something about which Lotz-
Sisitka is keenly aware. “There’s a lot of
Science going on - take research into
water scarcity, for example - but it’s not
always applied,” she says. “The research
is produced in reports but that doesn’t
mean that it always finds its way into
social systems. As a Centre we work with
research-based knowledge on specific
issues like biodiversity and then work on
programmes that activate knowledge of
these issues in local community contexts,
bringing scientific and everyday

knowledge together in various educational
settings.”

So, for example, the Environmental Learning Research Centre
has pioneered some high school Life Science curriculum training
teachers around an issue like biodiversity. The Centre has
found that while such knowledge is instinctively and warmly
received, those driving it can struggle with what is called a
‘newness factor’, meaning that the knowledge is often new to
people. “We generally concentrate on a broader science-society
interface,” says Lotz-Sisitka, adding that social learning is
philosophically and practically important in changing views and
mind sets because it is less abstract than purely academic
learning.

“In the SARChI Chair, we are trying to support collective learning
at multiple levels as a way of contributing to changes in human
activity,” she continues. “Often such learning processes are
supported at community level but you can also have social
learning at, say, teacher education level. Ultimately we’re trying
to strengthen the education system as a whole to make it more
sensitive to green issues. How, for example, do you train
electricians around green issues and renewable energy and get
that new technical knowledge into the education system?”

“Our earlier research shows that the country is reactive
to responding to environmental concerns from an education
and training system perspective. In building the green skills that we
need for current policies, the system is literally 10 years behind.
And so, for example, one finds that South Africa currently doesn’t
actually have enough skilled scientists or technicians to enact
the environmentally friendly practices that are required by our
policies, so there is a real disconnect there.”

This, perhaps, is one of the most institutionally challenging
aspects of this SARChI Chair. You get the feeling with talking to
Lotz-Sisitka that she believes that when confronted with the
scale of the environmental crisis facing the world, that most
individuals and communities respond seriously to the perceived
threat. When it comes to dealing with larger institutions and
organisations, however, their capacity for change is suddenly in
inverse proportion to their size.

How to cross boundaries between small individual groups and
larger societal structures with social learning in order to effect
change in response to critical issues is an interesting research
challenge for the Chair. It might be helpful to understand the
Environmental Learning Research Centre as a kind of hinge, in
that they hold the frame of new knowledge to the constantly
swinging door of society. There is an open, welcoming house,
supporting 50-60 Postgraduate students currently as they seek
to understand and address - and even ameliorate - some of the
most pressing environmental issues of our time.

Luke Alfred
BY HER OWN admission, Professor Ruth Simbao is difficult to pin down as a scholar. While she trained as an art historian, she finds certain aspects of the discipline constricting. "Art history in the traditional sense can be quite boring and certain traits of its Eurocentric roots stubbornly and problematically persist," she says. "I prefer to talk about visual studies and to engage in an interdisciplinary way, bringing in, for example, issues of spatiality and mobility in human and cultural geography, as well as radical expressions of contemporary geopolitics. I’m probably most comfortable at those intersections, and in my view it is in these interdisciplinary interstices that the most cutting-edge work is being done."

In her capacity as the National Research Foundation SARChI Chair in ‘Geopolitics and the Arts of Africa’, Simbao argues that artists and scholars in Africa need to find a way of challenging - and subverting - dominant perspectives from the ‘north’, an intellectual strategy she refers to as ‘strategic southernness’. Simbao has a strong awareness of the complexities of what the ‘south’ might mean, and her notion of ‘strategic southernness’ focuses on strategic acts of re-writing that are based on self-identification and the production of knowledge that is contextually embedded. "Strategic southernness’ and ‘sideways’ engagement with the rest of Africa and other parts of the ‘global south’ are critical at this socio-political and socio-economic juncture”, says Simbao, "but it is important to view such strategies as temporary and conceptually fluid. We shouldn’t need the same strategies in the future if the disruptions to dominant discourses have significant impact.”

Simbao has been instrumental in attracting Postgraduate students to the Fine Art Department at Rhodes University, and there are currently 19 Postgraduates in the SARChI Arts of Africa Research Team (AART). "We are at a critical point in the shaping of the international discourse of the contemporary visual and performing arts of Africa, and there is a need for more scholarly writers on the African continent to play leading roles in shifting the centre of gravity of the global academy so that the artwork on the continent is not predominantly theorised by the ‘north’ as if it is merely raw material for the consumption of scholars elsewhere”. Much of the research of the SARChI Arts of Africa Research Team is about re-positioning Africa and situating the production of knowledge on the continent without being territorial or theoretically regressive.

"There is a tendency in the discourse of contemporary art", she suggests, "to falsely assume that an emphasis on the African continent is driven by a conservative, continentalist perspective, as if Africa is not characterised by transcontinental and contra-flow movement”. Her interest in spatiality is driven by the art world’s simplistic fetishisation of mobility, and the
false assumption that small, local places are not profoundly touched by movement too. “I have developed the term ‘cosmolocalism’” she says, “as a way of moving beyond elitist notions of cosmopolitanism that too facilely imply that smaller spaces or specific local places are inevitably parochial”.

The discourse is changing, however, and inroads are being made in terms of moving the dominant discourse of African art away from the privileged institutions of Western Europe and North America. “It’s an exciting time for our team to be engaging with these discussions, and in light of South African exceptionalism, it’s important for the team to be made up of students, visiting writers and artists from other parts of Africa”. In 2016 students, scholars and artists from Zambia, Zimbabwe and Uganda engaged with the SARChI programme, and the Chair is planning collaborations with scholars and artists in Ghana, Kenya and Ethiopia, as well other parts of the ‘global south’ such as Brazil, Cuba and Jamaica.

As part of the SARChI research programme, Simbao will launch a pan-African database and website in 2017 that connects and raises the profile of scholars in the visual and performing arts who are based on the African continent. The database and website aim to share knowledge in the discipline and increase the visibility of scholarly writers through monthly profiles, featured writers and links to scholarly articles. This year she also launched a publishing workshop that focuses on the production of articles in the discipline and which in the future will take place annually in different African cities. These activities, she argues gently, are a way of ‘writing back’ against the structures that have, since the early 1990s, dominated this relatively new international discourse. She views these activities as a means of hollowing out space for scholarly interventions by Africans in a discourse that is largely defined elsewhere and that tends to have a self-congratulatory tone.

“The rhetoric typical of exhibitions of contemporary African art on international platforms is riddled with language of the ‘first’, the ‘biggest’ and the ‘best’”, she says. “This perpetuates the dominance of privileged arts institutions and ignores a lot of really good work that might take place in smaller spaces or alternative venues and that are not documented by exhibition catalogues and books that receive hefty funding”.

Simbao first engaged with alternative views of failure when she curated a performance by Athi Patra-Ruga, which according to the paying art audience did not pan out as expected, but which, to Simbao, was “a beautiful ‘flop’ that subverted the gaze of a privileged audience and instead communicated more meaningfully with passersby on the street.”

In 2016, the SARChI Chair will revive the Residencies for Artists and Writers (RAW) programme that Simbao founded in 2014, which links scholarly writers from the African continent to artists. She is eager to invite the Ghanaian artist, Ibrahim Mahama, who drapes jute sacks once used to carry cocoa over large buildings as temporary installations. “Mahama’s intervention could be a very power statement if he draped just sacks over a colonial building on campus or an apartheid-era building elsewhere in Grahamstown” she says with the merest hint of a smile.
NOT FAR FROM THE front door of Dr Adrienne Edkins’ office in the Rhodes Biological Sciences building is a mounted cabinet. Situated diagonally across the hall, the glass cabinet is illustrated with the famous JBS Haldane quote about him having “an inordinate fondness for beetles”. The quote is slightly misleading, for what Haldane actually said is that the “creator” appears to have both a passion for stars and a passion for beetles, “for the simple reason that there are nearly 300,000 species of beetle known, and perhaps more, as compared with somewhat less than 9,000 species of birds and a little over 10,000 species of mammals”.

In the same way that the creator had a passion for beetles - according to Haldane - so Edkins has an inordinate passion for the cutting edge research that produces new bio-tech and pharmaceutical knowledge. She is also big on good, old-fashioned curiosity, a word that seems to have retreated from the everyday vocabulary almost completely. “I believe you cannot innovate or produce products without any emphasis on the fundamental processes at the molecular level,” says the recently awarded Department of Science and Technology and National Research Foundation SARChI Chair in molecular and cellular biology. “Research becomes the bedrock upon which you look for products and that research is founded on curiosity.”

“In the States they have a really strong emphasis on curiosity-based research - that research, however, only takes place after the requisite attention to the fundamentals.”

Edkins took up the SARChI Chair last November, and other than the immediate kudos of her appointment, come the far more important - and tangible - benefits of academic and research freedom. With the grant, perspectives widen. Research becomes more widespread. “This funding allows you to be more fluid,” she says. “And you have a programme which includes a whole lot of discrete projects. The grants give you time and space and resources. You can free yourself from a narrow view and a perspective on a tight, targeted area. We’ve got quite a diverse set of personalities at Postgraduate level in the department but they are united in their desire to know more. Questions should open onto and find other questions.”

Her research and the research of those around her is still intimately focussed on how cells respond to environmental and physical stress. The cells’ stress response - which is primarily about the disruption of their ideal 3-D structure - can lead in one of two directions: towards the promotion or the prevention of disease. In certain diseases (such as Alzheimer’s) you ideally want to activate the stress response to overcome the clumping of protein in the brain; in others (like cancer) one is ultimately looking to inhibit the stress response as the best
way of fighting cancerous tumours and malignant growth. “Researchers are finding now that some of the drugs which weren’t appropriate for dealing with cancer might be useful for Alzheimer’s patients.”

Given the foundation of stress-response-related research in Edkins’ team, they are well-placed to make good on her ambition to become “world-renowned” in their field. Edkins says her labs are well-equipped in international terms and that her and her colleagues are capable of competing with the best. She confronts, however, a range of problems peculiar to South Africa. “I get somewhat disheartened by the brain drain,” she says. “I want to keep the Postgraduate students and researchers here but I also want to exchange knowledge with the international scientific community. International relevance translates into local relevance. Not only do I want to provide opportunities for students for travel and training but I want to realise some tangible benefits from our research for the man on the street.”

The other very real issue that affects her and the department is that of the falling Rand. “If the Rand slips suddenly relative to stronger currencies, then our grant is halved,” she says philosophically, adding that chemicals that might take a day to order in Europe can take six weeks in South Africa. Local intermediaries don’t hold sufficient stock, so orders from the department need to be passed on the suppliers in Europe before being routed through locals. “Our productivity would go through the roof if we found ourselves able to order chemicals in a day,” she says. “This means that I tend to order six weeks in advance because I don’t want to waste any time - I sometimes feel as though I’m conducting a war.”

Almost in the same breath she concedes that South Africa’s distinctive features - distance from Europe, a volatile currency - can have hidden advantages. It can make for better long-term planning, for example, and more care. On the down side, because she has to plan so far in advance, research experiments can take on a slightly deterministic and pre-programmed feel. If experiments get planned in groups of five, what happens if the findings of the first experiment render the outcomes of the next four null and void, she asks? Such constraints, Edkins believes, compromise competitiveness. “Unfortunately we just can’t be as efficient as the international laboratories,” she says. “So we have to make up for it by being unique in our approach.”

Besides the petty irritations of the job, Edkins is quick to point out that she will always be eternally grateful to the institution for supporting her SARCHi application. “I’m fairly young to have a Chair and I recognise that I’ve been given a wonderful opportunity,” she says. “I’ll always be thankful to the institution to be one of the nominated people. They always supported me. I was never prevented from trying by Rhodes University. I am appreciative that my age and relative inexperience weren’t seen as barriers by the university supporting my application.”

Luke Alfred
During the first twenty minutes of our interview, Associate Professor Pamela Maseko of the African Languages Studies Section of the School of Languages and Literature, mentions her departed grandmother three times. This she does casually, almost unthinkingly. It transpires when questioned that her grandmother, Nomfazwe, was probably the singular most significant influence on her life.

While sense of place remains important - Maseko comes from Clarkebury, approximately 60kms west of Umtata - her grandmother occupies a privileged place as singularly the most important influence on her life. Although she died in 1981, there was something precious and vital about her. She was, in many ways, an emotional and intellectual spring. "She was proud of self and did everything to instil pride in her children and grandchildren," Maseko remembers. "She instilled the culture of pride and hard work and an appreciation for the other as well as for yourself. She often told us: 'In nothing, we have everything'."

Despite the profound influence of her grandmother, education was traumatic for Maseko, as it was for others of her generation. She attended the Mount Arthur Girls School in Lady Frere, a school with vestiges of its missionary past, although by the time she got there it had been taken over by the Transkei education authorities.

Having seen her grandmother interact with and manipulate her natural environment using indigenous ways of knowledge, as well as hear her predict in isiXhosa when the rain would come, it was a wrench to suddenly learn everything in English. Her language and culture, she felt instinctively, was being subtly repudiated (the word Maseko uses is 'rebuked') and with it all the assumptions about her linguistic heritage were being threatened. The gauntlet having been thrown down, the young Maseko responded: "It wasn't a challenge I was prepared to give up. My studying would always be accompanied with a Thesaurus, a Dictionary and an encyclopaedia. I persisted."

The experience of being hauled out of one language and - symbolically - being 'baptised' in another, left a profound impression on Maseko. It sharpened her sensitivity to the ideological imperatives of dominant languages and probably started her lifelong quest to study and preserve isiXhosa. "My experience is the experience of how language and society interact," she says. "Of how certain languages are given prestige and take dominance and others are dominated and marginalised. My relation to language while growing up gave rise to my professional interests. More importantly, it has also made me aware of the power of education, how this institution can maintain and transmit some languages and knowledge, therefore constructing "power and prestige" around them, while craftily marginalising others."

Having said this, Maseko gets mildly annoyed with those who harangue others about indigenous languages' moral claims. She points out that except for them being used as forms of communication, there are far more important claims to be made about the value of indigenous languages in terms of cognition. The right to speak your language, as enshrined in the Bill of Human Rights, is not enough, if one cannot use this linguistic right to understand and process new knowledge in the context of one's past experiences, and ways of knowing. Therefore, one's language should benefit one in the acquisition of new knowledge and understanding.
and production of new knowledge, especially in the learning process.

She doesn’t fully expand on the point but presumably what’s important is the growth of the young brain and the widening of the synapses when languages are being learned and acquired side-by-side. Access to both repertoires enrich and grow the young student. It is important, she concludes, that teaching in a second language is of high quality, and draws from one’s past experiences and knowledge.

Given her openness to language and the way in which it is transmitted, Maseko gravitated naturally to what was going on in isiXhosa society during the second half of the 19th century. As subjects of the Cape Colony and the British Empire, amaXhosa had rich cultural and linguistic capital - but with the missionaries driving the writing and documentation of the language, this knowledge was often censored from written sources because it was seen as ‘sabotaging’ the purpose of the missionaries and imperialists - to evangelise the ‘natives’ and turn them into British subjects. So, as a way of escaping this bowdlerisation, the Xhosa literates of the time turned to newspapers and wrote about Xhosa society: its political history, politics of governance, law-making, language, culture, contemporary politics, and genealogy of uXhosa. Indeed, some of these newspapers - like isiYimini SamaXhosa (Xhosa Express) 1870-1888), Izwi Labantu (People’s Voice 1897-1909) and Imvo zabaNtsundu (Black Opinions 1884-1998) - were less like newspapers as we understand them today, and more like encyclopaedic handbooks capable of commenting upon and preserving virtually everything deemed culturally important.

They contained everything from the interpretations of historical events such as the great Cattle Killing, to folk tales and stories, according to Maseko. Writing and letters to the Editor came from far and wide and engagement was robust, although the papers were read primarily in the Eastern Cape area around King William’s Town, where they were printed. “All the literates would read the same newspapers,” says Maseko with the verbal equivalent of a wink and a nudge.

Censorship by the missionaries, however, was ever-present, so having your own indigenous newspaper with an isiXhosa-speaking editor was a way of shoring up a nation’s culture and identity against outside threat. “These newspapers wrote about folk tales and ordinary stories, but also other knowledge about ways of knowing of amaXhosa, for example, their conceptual understanding of, and relationship with, nature, the relationship between the physical and the spiritual world,” she says. “They wrote what I was familiar with. I have also come to debunk some of the widely held myths over gender relations in Xhosa society especially about submissiveness of women - that once married, for example, that they couldn’t own property - land or livestock, the chief repositories of wealth in precolonial Xhosa society. Gender relations get clarified and deepened by reading these newspapers. [William Wellington] Gqoba writes intricately about what warfare entails in Xhosa society...and in part his writing about this are a rebuttal of reasons often given about the catastrophic cattle killing of 1856 - that the intention was for amaXhosa to go to war, and drive the White people away from their territory.”

Many of Gqoba’s letters are taken from Jeff Opland’s vast collection of Xhosa newspapers. They have recently been anthologised in a volume edited by Jeff Opland, Pam Maseko and Wandle Kuse, entitled William Wellington Gqoba: Isizwe Esinembali - Xhosa Histories and Poetry (1873-1888). Gqoba, a Xhosa polymath and man of letters, who wrote subversive poetry, collected anecdotes and preached for much of his life, was also compulsive letter writer. The unique - and often good-natured - flavour of his letters have been preserved to wonderful effect in the recently-published book. “Don’t grow weary from my daily appearance in this newspaper,” Gqoba writes winningly in the opening sentence to yet another missive to the editor, an introduction which prompts Maseko to remark that, as editors, they wanted to retain the letters’ authentic feel and style of writing.

“If we translated them into ‘good’ English we would be losing their ‘Xhosa-ness’ if I can say that,” she says. It’s a well-made point, one both ideosyncratic and literary, because reading Gqoba’s letters - even if only briefly - takes us back to a time where forms of address were not only quaint but charming.

Luke Alfred

The writings have been collected in a series, Publications of the Opland Collection of Xhosa Literature, with Jeff Opland, Pam Maseko, Peter T. Mtuze and Wandle Kuse as General Editors of the series published by UKZN Press. WILLIAM WELLINGTON GQOBA ISIZWE ESINEMBALI Xhosa Histories and Poetry (1873-1888), was the first in the series. This was followed by D.L.P YALI-MANISI IMBALI ZAMANYANGE Historical Poems (2012-1935), and the fourth, in preparation to be published in 2017, is by SEK Mqhayi, the most prolific Xhosa writer in the late 19th and first half of the 20th century. One volume per year will be published for the next 10 years. Publishing these collections has enabled reconstruction of a historical literary past that was erased for various reasons after contact with the West. As Pam Maseko says, the intention is not to glorify this literary past but to understand where we are and where we are going.
NOMALANGA Mkhize (Senior Lecturer, Department of History) attended six different primary schools before her first year in high school. Her father's ANC affiliations meant that her early education was essentially a journeying between places of safety, a ceaseless shuffling between Mpumalanga, KwaZulu-Natal, Swaziland and Zimbabwe.

While disruptive, such movements afforded her the privilege of staying away from South Africa's endemic violence in the late 1980s. She was also, she says, able to see South Africa from a very different vantage point, living in a highly intellectualised environment in which nostalgia for home was so deep it qualified as a form of identity. "My parents were very sensible," says Mkhize matter-of-factly about the exile days and days on the road. "We were always encouraged to like our passport stamps."

After years of to-ing and fro-ing, Mkhize finally settled down in 1994, earning a scholarship to Epworth, a Methodist school for girls in Pietermaritzburg. Listening to her carefully suggests that she was ambivalent about the school. On the one hand, she talks of "the seclusion of the bubble," something, she says, which can drive black kids crazy; on the other, she admits that she was "not unhappy" at Epworth, despite the culture shock and the sense of exclusion. For the first time in her life she wasn't moving around. There was continuity - even if a sense of complete belonging remained elusive - and she matriculated from Epworth in 1998.

Mkhize has spent all her university years at Rhodes, with the exception of her PhD thesis, which was done through UCT. When it came to her PhD, a study of the politics of game farming in the Cradock area of the Eastern Cape, she found that her exile experiences in Zimbabwe and Swaziland served her well. She saw in the townships of Cradock, for example, kindred spirits and at-odd souls, exiles - or partial exiles - like herself.

"To me everyone in Cradock feels like an exile person - and many of them are, a high proportion having received military training in the former East Germany," she says. "I lived in Cradock [while researching some of her PhD thesis] because it felt like exile. People felt the specialness there. The people carried something and it felt like a community that loved itself, although the ANC guys I met are just like shattered souls."

Her research was done in conjunction with two Dutch anthropology students from the Vrije Universiteit, Amsterdam but Mkhize frequently found doors being slammed in her face before she had even knocked on them. Local game farmers didn't want to have anything to do with her project, despite the fact that access had in some cases been brokered beforehand and it was a struggle from beginning to end to get going. She describes the early months of her research in the area as "hell".

Farmers young and old certainly didn't want to help, and she found it a debilitating few months, with academic pressures from the one side and lack of co-operation from possible interviewees, on the other. Eventually, finding game farm gates locked and minds bolted, Mkhize called in a favour or two. She made some calls to old contacts in the Karoo and suddenly she was given the access she had struggled for.

At the same time, she was finding that her thesis was subtly changing shape. It was transforming itself from an investigation packed and a passport close. When we were younger we were always encouraged to like our passport stamps."

"To be rooted, is perhaps the most important and least recognised need of the human soul." - Simone Weil

NOMALANGA Mkhize (Senior Lecturer, Department of History) attended six different primary schools before her first year in high school. Her father's ANC affiliations meant that her early education was essentially a journeying between places of safety, a ceaseless shuffling between Mpumalanga, KwaZulu-Natal, Swaziland and Zimbabwe.
into the practices of game farming, to a more orthodox social history, looking at the lives of labouring families and their long years on Karoo farms. With a change in perspective, came a change in approach. “I realised that people didn’t express an immediate rootedness to land,” she says. “I had to talk to people differently because their access to the land had been broken. So I was forever telling my fellow researchers that you couldn’t approach things directly. You had to be more subtle and listen more carefully.”

She also realised as she was embarking on her social history that labourers and former labourers became used to engaging in a type of emotional subterfuge - a matter of survival as much as anything else. “It became very clear to me that you realise that you have to supress dislike in order to survive. There’s pretence working,” she says. “You might have to play to the master sometimes because one day you might need someone to take you to hospital. So we found ourselves in a situation where everything isn’t as it seems.”

She doesn’t say this in so many words but reading between the lines suggests that Mkhize was happy she had the intellectual courage to change the gist of her thesis. It felt more honest to her, less pre-defined, particularly as she is generally suspicious of an academic practice that uses research to arrive at foregone conclusions. “The whole irony at the end of it was that the black woman was said by the farmers to be more objective,” she said.

Spending months in Cradock and its township also sensitised her to the mess that is contemporary land reform. “A lot of the original white farmers in the area shot out the original inhabitants,” she says. “At the same time you can’t really talk about land restitution in Cradock because not even the Nats could keep people there - it needs too much water. It’s a mess. You need intelligent land reform and that’s not something people are getting.”

Luke Alfred
Peer Reviewed Subsidy-Earning Journal Research Publications


Concerts, Exhibitions, Performances, Workshops, Events


Peer-reviewed Proceedings


Postgraduates / Graduations

Twenty-five (25) academics graduated with a Postgraduate Diploma in Higher Education at the graduation ceremony on Friday 1 April 2015. CHERTL continues to offer this nationally recognized qualification both internally and to academics across the country.

In addition, five (5) CHERTL students were awarded PhDs, including:

- Kasturi Behari-Leak’s thesis was supervised by Professor Chrissie Boughey and co-supervised by Professor Cecilia Jacobs, and titled “Conditions enabling or constraining the exercise of agency among new academics in higher education, conducive to the social inclusion of students”.

- Langutani Masehela’s thesis, supervised by Professor Chrissie Boughey, was, “An exploration into the conditions enabling and constraining the implementation of quality assurance in higher education: The case of a small comprehensive university in South Africa”.

- Thandeka Mkhize wrote her thesis on “An analysis of the certificate of the theory of accounting knowledge and knower structures: A case study of professional knowledge”, supervised by Professor Sioux McKenna.

- Eileen Sheckle conducted her research on “Reading identities: A case study of Grade 8 learners’ interactions in a reading club”. She was supervised by Professor Chrissie Boughey and co-supervised by Professor Monica Hendricks.

- Ruth Lesley Searle’s thesis was titled, “The supervisor’s tale: Supervisors’ experiences in a changing environment”. She was supervised by Professor Chrissie Boughey.

Distinguished Visitors / International Visits

In March 2015, CHERTL collaborated with the Environmental Learning Research Centre (ELRC) to offer a joint ‘Doc Week’ with twenty-five (25) PhD scholars from Umeå University in Sweden. The week took as its theme: Education, the public good and transformative practices: Understanding our research as a contribution nationally and globally. Besides a number of research seminars presented by Rhodes University and Umeå University staff, all PhD scholars presented their own research in groups and reflected on the national and international contributions their work might provide.

In July 2015, CHERTL enjoyed a visit from Professor Barbara Grant (Executive Editor of Higher Education Research and Development), and Professor Peter Kahn (Executive Editor of Teaching in Higher Education). They both ran a number of research seminars and also offered a workshop and a panel discussion on academic publishing.

In October 2015, CHERTL hosted a series of seminars by PhD graduates in which they reflected on their own research journeys and shared helpful practices. These presenters included Dr Sherran Clarence (University of Western Cape), Dr Thandeka Mkhize (University of Kwa-Zulu Natal), Dr Kasturi Behari-Leak (University of Cape Town), Dr Mary Masehela (University of Venda) and Professor Michelle Picard (University of Adelaide).

Significant Research Aligned Events

CHERTL continued to run the National Research Foundation (NRF) funded project on ‘Institutional Differentiation in South African Higher Education’ and the seven (7) PhD scholars attached to this project attended a Writing Retreat in July 2015. The eight (8) scholars from the NRF Social Inclusion in Higher Education programme (four of whom have now graduated) also attended a Writing Retreat at the end of the year.

CHERTL staff continue to collaborate in a number of other national and international projects, including the NRF funded
In November 2015, Amanda Hlengwa was a panelist at the Centre for Conflict Resolution in Cape Town, discussing her chapter in the book ‘Being at Home: Race, institutional culture and transformation at South African higher education institutions’. Amanda was also interviewed on News 24 about this chapter, entitled: ‘Reflections on attracting, developing and retaining the next generation of academics.’

CHERTL continue to manage the national supervision development course, Strengthening Postgraduate Supervision (www.postgraduatesupervision.com) with funds from the Department of Higher Education and Training (DHET) paying for the continued offering of the course. The course has now been offered forty-two (42) times at twenty (20) different public higher education institutions in South Africa.

In 2015, the partners from Vrije Universiteit and Rhodes University sought to extend this project beyond what can be achieved by a stand-alone course. We therefore sought out opportunities to take this further and we have now been awarded €740 000 through the European Union for a project entitled Enhancing Postgraduate Environments in which we will work with colleagues from three (3) Dutch, one (1) German, one (1) Scottish, one (1) Turkish and six (6) South African universities. This initiative seeks to develop materials to support research development across all disciplines in a format that is user-friendly and open access.

Professor Lynn Quinn
Head of Department

Books/Chapters/Monographs


Hlengwa, A.


Other Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


Research Papers Presented at Academic/ Scientific Conferences (Non-peer-reviewed Proceedings)

RUCE is a multifaceted division, serving both in a support and academic role within the institution. As an emerging discipline, the scholarship of engagement falls broadly within the field of education studies but lends itself to cutting edge transdisciplinary modes of research.

In 2015 RUCE appointed two full time academic staff members, Dr Sharli Anne Paphitis and Dr Nosipho Mongomezulu, to work in the fields of service-learning, volunteerism and the scholarship of engagement more broadly. 2015 was also an important year for RUCE in terms of research, as it saw the registration of the first masters student within the department - RUCE aims to grow into a hub of post-graduate study focused on the scholarship of engagement in the next five years. Continued critical research in the scholarship of engagement is essential for furthering the goals of increasing meaningful collaboration between higher education institutions and the third sector - allowing universities to fulfil their role as institutions which work actively for the public good - as well as the fostering of civic minded graduates.

In 2015, as part of the annual Rhodes University Community Engagement Week, RUCE hosted a hugely successful National Community Engaged Learning Symposium. The symposium was attended by over 70 delegates from 13 higher education institutions from across South Africa, one international university, as well as representatives from community based organisations, who shared theoretical and practical insights from transdisciplinary perspectives.

Diana Hornby
Director of Community Engagement
Sharli Paphitis
Systems and Scholarship Coordinator

Rhodes University has become a leading engaged university with a number of internationally renowned engaged research programs and meaningful community engaged learning partnerships. The Rhodes University Community Engagement Division (RUCE) plays a key role transforming teaching, learning and research practices within the university, working closely with academic departments and community based organisations as they build mutually beneficial and respectful relationships with one another.
COMMUNITY ENGAGEMENT DIVISION

Books/Chapters/Monographs


Concerts, Exhibitions, Performances, Workshops, Events


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Peer-reviewed Proceedings

Hornby, D.


53
During 2015 the Rhodes University Library (RUL) was guided by the following:

- **Purpose Statement:** The Rhodes University Library is committed to the pursuit of knowledge by connecting people to resources that contribute to the intellectual development of future responsible citizens.

- **Overarching Goal:** To develop and maintain efficient, reliable and responsive library and scholarly communication services that promote, support and enhance the research, teaching and learning endeavours of Rhodes University.

- **Library Culture:** Rhodes University Library aspires to a shared culture, ‘a way of being both in mind and in action’ in support of a positive academic outcome for the Rhodes University community, while also creating a positive work environment for all.

The library strives to promote human dignity, equality, non-racialism, and non-sexism in the library workplace and when providing information and research services to its users. It is committed to quality user-focused service, fairness, innovation, professional integrity and social responsibility.

Its Strategic Plan for the period 2012-2015 took cognisance of trends and developments impacting academic libraries and the role of the librarian in support of research. The strategies identified in support of research were executed in the following ways:

1. Champion open access, open publishing and intellectual freedom
2. Investigate tools and initiatives to enhance the visibility of RU research
3. Implement scholarly communications

### Activities

- **Eight (8) RUL staff members attended a seminar entitled The Road to Promoting Open Access to Researchers in Academic Institutions hosted by the Nelson Mandela Metropolitan University (NMMU) on 25 July 2015.**

- The scheduled programme for Open Access Week 2015 was cancelled as it coincided with the national #FeesMustFall protests and institutional shutdown during October 2015.

- The Faculty Liaison librarians continued to engage with the various departments with the implementation of ORCID and ResearcherID amongst the teaching staff.

- The Library facilitated the acquisition and training in the use of InCites, the customized, web-based research evaluation tool that allows researchers to analyse institutional productivity and benchmark their output against peers worldwide.

- As social media is widely used in promoting RU research, the RUL posted regularly to the following:
  - www.facebook.com/RhodesUniversityLibrary
  - https://twitter.com/RhodesResearch
  - over two thousand five hundred (2500) tweets related to published research and conferences were posted. Currently there are five hundred and seventy-one (571) followers; however the potential reach via the twitter tree is vast as followers include publishers, institutions, news agencies, research associations, and individuals.

- J joined the Scholarly Publishing and Academic Resources Coalition (SPARC)Africa Chapter which was launched at the 2015 IFLA World Library and Information Congress in Cape Town. SPARC focuses on Open Access and support to academic institutions to realise their Open Access strategy.

- Ensured that the Rhodes Digital Commons, the RU institutional repository (see infographic below), continued to develop as a quality web-based Open Access platform for the University’s research output according to international standards and National Research Foundation (NRF) requirements for electronic theses and dissertations (ETDs) and NRF-funded research as stipulated in the following Open Access Statement issued on 10 January 2015:

> “The NRF recognises the importance of Open Access to science and research while at the same time appreciating that Open Access will continue to evolve in response to societal needs, achieving overarching policy harmonisation and new innovative publishing business models. From 01 March 2015, authors of research papers generated from research either fully or partially funded by NRF, when submitting and publishing in academic journals, should deposit their final peer-reviewed manuscripts that have been accepted by the journals, to the administering Institution Repository with an embargo period of no more than twelve (12) months. Earlier Open Access may be provided should this be allowed by the publisher. If the paper is published in an Open Access journal or the publisher allows the deposit of the published version in PDF format, such version should be deposited into the administering Institutional Repository and Open Access should be provided as soon as possible.”
Implemented the Open Journal Systems (OJS), an open source journal management and publishing system that has been developed by the Public Knowledge Project (https://pkp.sfu.ca/ojs/) to expand open access publishing and improve access to research. This system will enable the RUL to host and provide retrospective access to journals published by Rhodes entities, e.g. African Music Journal, or as curated by Rhodes, e.g. J journal of Gerontology. The system furthermore enables every stage of the refereed publishing process, from submissions through to online publication and indexing. The system will complement the current institutional repository allowing for the management of serial publications.

4. Provide access to appropriate, authoritative & relevant resources and services at the point of need and in the users’ environment

The RUL is a sophisticated technology-enabled library environment, which provides an integrated solution for teaching, learning, research and collaboration. This integrated solution includes a sophisticated IT infrastructure; networked, wired and wireless connectivity; discovery tools across platforms; customized interfaces for mobile devices that provide 24/7 access to information resources; and tools that support scholarly communication and enhance research visibility. In the face of the digital deluge of information, the Library has consolidated its position as a trusted place for accessing authentic information in support of academic scholarship.

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2015 INFORMATION RESOURCES BUDGET

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<tr>
<th>Information Resources (Total)</th>
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<tr>
<td>Online Journals x 246</td>
<td>R 3 039 975</td>
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<tr>
<td>Print Journals x 259</td>
<td>R 810 000</td>
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<tr>
<td>Databases x 62/36000 titles</td>
<td>R 13 340 000</td>
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<tr>
<td>Books &amp; Monographs x 4346 (new books)</td>
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The fluctuating exchange rate and the inclusion of fourteen percent (14%) VAT on electronic resources have raised concerns amongst higher education institutions nationally. Through its membership to the South African National Library and Information Consortium (SANLiC) and the South East Academic Libraries System (SEALS) consortium, the RUL benefits from collective negotiations and deals relating to information resources and integrated library management systems respectively.

Inter-Library Loans: Should Postgraduate students and academics require research material that is unavailable, these items are requested from other institutions via the inter-library loan facility. In 2015 one thousand and sixty-one (1061) items were lent to other institutions and five hundred and twenty-seven (527) items were received for RU.

5. Embedded librarianship - increase involvement of faculty librarians in research processes and activities of academic departments
6. Implement ideas and innovations learnt during the Research Libraries Consortium (RLC) project as well as evaluation recommendations

The role of the librarian is further being redefined by advancing discovery tools, evolving research methods, pedagogies and changing research communication practices and the abundance of information in varied formats. Greater engagement, relationship building and collaborative partnerships across the institution are also now expected of librarians. This evolving academic library environment and changing user expectations requires new expertise and specialist librarians in support of the changing teaching, learning and research paradigm.

To this end, the posts of Librarian: Scholarly Communications and Librarian: Institutional Repository & Metadata were identified as critical new posts during a review of the RUL organogram and vision. These will be implemented against existing vacancies, subject to approval, in 2016.

The RUL Faculty Liaison model enables faculty liaison librarians to attend Faculty Board meetings, departmental activities and events, and work closely with Postgraduate students.

Forty-three (43) Postgraduate workshops, attended by six hundred and forty-three (643) participants, were held throughout the year within the various faculties. These focused on the use of the discovery and reference management tools; inter-library loans, and customised research support:

- A presentation by Fiona Still-Drewett to Human Kinetics (HKE) staff and Postgraduate students on 21 January 2015 entitled “An introduction to the use of Social Media in Scholarly Communication & Research” including the interconnected world, future of social media, Web 2.0, social media tools for academics, Twitter for research, research profiles, open access, & emerging scholar essentials. (353 views) www.slideshare.net/mufs/social-media-research-43771744
- A library workshop for the CHERTL based Doctoral Supervision Course, 10th June 2015, was presented by Thandile Menze and Fiona Still-Drewett. A High-level research instruction, which included looking at the varying roles of the Postgraduate student, supervisor/lecturer and librarian within the Triangle of Research Support. The hands on programme included library services for the Postgraduate student, library resources, advanced search techniques, search alerts, bibliographic management tools, citation and journal analysis, Open Access publishing, the Rhodes Digital Commons, academic networking, researcher profiles & social scholarship, and altmetrics. (116 views) www.slideshare.net/mufs/triangle-of-research-support-49959897

7. Library as Place

The Library is designed to actively promote and facilitate discovery, knowledge exchange and learning centres for the University community. The provision of purpose-built spaces for students at different stages in their academic careers makes the library experience unparalleled.

- Writing space: The Education Department Writing Group used the Reading Room on Level 4 of the Main Library on a weekly basis for their writing days.
- Research spaces:
  - The Postgraduate Commons on Ground 0 is a colourful space and has proven extremely popular among Honours and other Postgraduate students for its individual, duo and group study spaces. This area provides eighty (80) study seats and twenty-nine (29) computer workstations and is an essential complementary space to the Carnegie Research Commons.
  - The Carnegie Research Commons, a dedicated space for Masters, PhD students and Postdoctoral Research Fellows, academics and researchers with fifteen (15) computer workstations, high-speed internet access, multipurpose printers, a seminar room for presentations and discussions, and space for relaxation and socialising with fellow researchers.

Given the above, the RUL is committed to ensuring its strategies are realized through new ways of practice, resource sharing and collaboration thereby demonstrating its value to the research imperatives of the University.

Ms Ujala Satgoor
Director: Library Services
Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


The Department of Accounting continues to develop capacity in a number of fields of research, with contributions from staff members in taxation, capital markets research in accounting, nonprofit finance, and accounting education.

**Professor Jackie Arendse** wrote four (4) chapters in *Silke on Tax Administration*, a peer-reviewed guide to the administrative provisions of taxation legislation in South Africa published by LexisNexis. Widely used by professionals, academics and students, it explains the investigation and audit powers of the South African Revenue Service (SARS), provides guidance on taxpayers’ rights relating to taxation, and incorporates commentary and interpretation on a range of legislative items.

**Professor Lilla Stack** continued her substantial contributions to academic taxation research as author and supervisor. An important contribution as supervisor was the graduation of nine (9) master’s degree candidates at the 2015 graduation ceremony—a personal best.

**Professor Mark Bunting** continued his research work on economic and financial theories of the nonprofit organisation, with a specific focus on developing a framework for assessing the financial condition of South African public universities. With **Professor Kevin Barnard**, he also completed a working paper on capital markets research in accounting, and shared presentation responsibilities for this research at two (2) international conferences.

**Ms Peta Myers** continued to disseminate her research findings on knowledge structures in introductory-level university accounting.

**Professor Jackie Arendse**
Head of Department

### Books/Chapters/Monographs


### Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings

Bunting, M.B. and Barnard, K.J.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Bunting, M.B. and Barnard, K.J.

Myers, L.P.

Stack, E.M.
Postgraduates / Graduations

In recent years the department has hosted and graduated a number of students who did not have the requisite undergraduate requirements to complete a higher degree in Social Anthropology. However, the department’s visionary acuity paid off as all of these students completed their dissertations with honourable mention.

A recent graduate, Dr Volkher, completed exemplary ethnographic work on the ‘mamas’ of the hospitality industry in Makana, merging the two fields of tourism and development studies with aplomb. His work makes an interesting intervention in the discourse on local empowerment and the structuration of class in contemporary peri-urban South Africa. Dr Volkher’s work demonstrates that while the department expands its regional specialisation, it remains rooted in the local, offering graduate students the opportunity to intellectually explore the dynamics of local socio-political economies.

Another graduate, Ms Jamie Alexander, recently published components of her masters research entitled: The Landscape of Childhood: Play and Place as Tools to Understanding Children’s Environmental Use and Perceptions, in the Journal of Human Ecology. Ms Alexander is currently registered in the Anthropology Department for her PhD and last year received funding to present her PhD research at the Biennial Conference of the Finnish Anthropological Society held in Helsinki. Her paper was entitled: Stitching ourselves to the land where we can: Xhosa-speaking township dwellers’ relationships with sacred landscapes in the Eastern Cape, South Africa.

Significant Research Aligned Events

In 2015, through the initiatives of individual staff members, five (5) major research projects were awarded funding of over ZAR four (4) million in total. A significant proportion of this funding is aimed at supporting Postgraduate student research. The following grants were secured:

Professor Shankar Aswani:
1) NRF Grant-Human and Social Dynamics in Development (HSGR) for a project entitled: ‘The human dimension of compliance in South Africa’s marine recreational fisheries’ (P: S. Aswani, Co-Pi: W. Potts) [ZAR 955,000] (2015-2017)
2) ESPA Grant for a project entitled ‘GLORIA - Global Learning Opportunities for Regional Indian Ocean Adaptation’

Dr Michelle Cocks
1) NRF Competitive Program for Rated Researchers for a project entitled: A place to belong: urban planning, housing and greening. (PI: M. Cocks, Co-Pi: C. Shackleton) [ZAR 2.7 million]
2) NRF Rating: Y2 - Incentive Funding [ZAR 400,000] (2015-2020)

Dr Joy Owen
1) NRF Thuthuka award R123, 566 which is co-funded by Rhodes University.
The Anthropology Department staff continued their involvement in a number of exciting research initiatives in 2015. In 2015 a team of researchers from various disciplines, including Professor Aswani, identified several global natural and social “hotspots”. The hotspot regions represented laboratories for observing climate change and provided the opportunity to develop adaptation management strategies with local communities to respond to change.

Professor Aswani and his team of South African based researchers began the implementation of their NRF funded project that aims to improve compliance in South Africa’s marine recreational fisheries by increasing the knowledge of environmental attitudes, perceptions and social norms regarding recreational fishing. The research findings will contribute significantly to the development of small-scale and subsistence fisheries, which is part of the government’s long-term plans for improving the livelihoods and sustainability of coastal communities.

Dr Michelle Cocks, continued to supervise Postgraduate student research currently undertaken by:

1. Ms Avela Njwambe who received funding from Stockholm Resilience Centre and Rhodes University Research Office, to research migrant identity and attachment to home, and
2. Ms Jamie Alexander’s PhD study on Xhosa-speaking township dwellers’ relationships with sacred landscapes. Dr Cocks presented aspects of her research at two conferences:
   1) The International Transdisciplinary Conference: Cultures in Sustainable Futures: theories, policies, practices conference held in Helsinki, Finland, in May 2015 and
   2) Ecosystem Change and Society: Social-ecological dynamics in the Anthropocene conference held in Stellenbosch in September 2015.

In 2015 Dr Cocks and her colleague, Mr Tony Dold (Rhodes University Botany Department) received an award from Rhodes University Community Engagement for their Inkcubeko Nendalo Biocultural Diversity Education Project.

In 2015, Dr Patti Henderson attended the International Union of Anthropological and Ethnological Sciences Conference in Bangkok, Thailand, where she presented a paper on a panel made up of ten (10) participants entitled Bodily Entanglements: Sensory and Material Productions of the Social. The paper, Embodiment and the social imaginary: Parody of cloth in the artwork of Mary Sibande forms a part of her research into creativity and self-stylization in the work of four contemporary South African artists, including Sibande and the choreographer Gregory Maqoma, the photographer and activist, Zanele Muholi, and the sculptor and performance artist Nicolas Hlobo. J ournal articles on each artist will be brought together in the form of a small book, where future-orientated theories of becoming are brought to bear on the work of contemporary artists. The same paper was also presented at the Anthropology Southern African Conference in Potchefstroom in 2015.

Dr Henderson completed a three-week fieldtrip to her old fieldwork site in Okhahlamba, KwaZulu-Natal to collect young people’s songs. The research will contribute to the book she is writing on young people of the region, and their relationship with the natural environment in which they lived, during the height of the AIDS epidemic in the mid-2000s in South Africa. The book’s provisional title is, Cattle and Wood: J ourneying, Landscape and Courtship among Orphans in Rural KwaZulu-Natal. When completed the book will form a sequel to, A kinship of Bones: AIDS, Intimacy and Care in Rural KwaZulu-Natal, which won the Rhodes Vice Chancellor’s Book Award in 2013, and which has been long listed for the National ASSAF humanities book prize.

At the end of December 2015, Dr Owen’s long awaited monograph, “Congolese Social Networks: Living on the Margins in Muizenberg, Cape Town” was published internationally. As noted by acclaimed anthropologist Professor Paul Stoller, “In a work that is beautifully written, Owen tactfully describes how transnational migration shapes a matrix of love and loss, fidelity and betrayal, and bonding and alienation -- a truly remarkable work of cutting-edge scholarship”.

International co-operation

In 2015 the department signed a memorandum of understanding (MoU) with the University of Münster University, Germany that encourages intellectual and human resource exchange between the Anthropology department and the Institute of Ethnology in Münster. This particular MOU bodies well for the creation of synergies between Rhodes University Anthropology and European Anthropologies more broadly, as southern African anthropology expands its anthropological eye to research and interrogate social concerns beyond the borders of southern Africa.

Dr Joy Owen
Head of Department
Books/Chapters/Monographs


Peer-reviewed Proceedings


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Dr Abrahams was welcomed as a new academic staff member. Dr Abrahams brings with him an exciting new research area focussed on elucidating the mechanisms by which the intracellular bacterial pathogens, Salmonella enterica and Mycobacterium tuberculosis, interact with host cells to cause disease.

**Postgraduates / Graduations**

Graduation was a special event with seventeen (17) MSc and five (5) PhD graduates. Three (3) students from BioBRU presented their research at international conferences. Ianthe Wingate and Natasha Boel presented their research at the EMBO Conference on Molecular Chaperones, which was held in Heraklion, Greece. Michaelone Vaaltyn attended the VIIth International Congress on Stress Responses in Biology and Medicine in Huangshan City, China, where she was awarded a prize for her poster presentation.

Bioinformatics PhD student David Penkler, from Research Unit in Bioinformatics (RUBi), visited Sabanci University, Turkey, in March 2015 and April 2015 while working on a collaborative research project with Professor Tastan Bishop and Professor Atigian. During his eight (8) week stay, he learnt Perturbation-Response Scanning (PRS) technique which is applicable to the analysis of the allosteric behaviour of heat shock proteins.

Another Bioinformatics PhD student, Caroline Ross, was awarded the Scientific and Technological Research Council of Turkey (TÜBİTAK) Research Fellowship for International Researchers in October 2015. TÜBİTAK awards the fellowship to highly qualified PhD students to pursue part of their research in Turkey. Caroline will be attending Sabanci University in 2016. Under the supervision of Professor Tastan Bishop, Professor Atigian and Professor Knox, her research focuses on the investigation into novel drug targets in Picornaviruses, including poliovirus and foot-and-mouth-disease virus.

The establishment of a second South African Research Chairs Initiative (SARCHI) chair in ‘Molecular and Cellular Biology of the Eukaryotic Stress Response’ which was awarded to Professor Edkins will serve to expand the understanding of mechanisms that determine the nature of stress response. This research has wide ranging application for the treatment of human diseases.

**Distinguished Visitors / International Visits**

Professor Knox hosted research visits from Dr Colin Berry (Cardiff University, United Kingdom) in April 2015 and Professors Peter Krell and Eva Nagy (University of Guelph, Canada) in September 2015.

Professor Kerry McPhail, of Oregon State University, United States of America (USA) also visited in September 2015. She was involved in training Postgraduate students in marine natural products chemistry and was a guest speaker at a natural products research colloquium for researchers in the region.

In January 2015, Drs Edkins and de la Mare visited collaborators in India. They were based at Calcutta University in Kolkata where they participated in the National Seminar on Molecular Aspects of Human Diseases. During their visit, they also visited and presented talks at Kalyani University, just outside of Kolkata.

Later in the year, Dr Edkins visited her collaborator Professor Didier Picard at the University of Geneva where she conducted experiments to learn how to use yeast as a model organism. This technology was subsequently transferred to her laboratory at Rhodes University. Dr Edkins also attended the University of Glasgow Wellcome Trust PhD programme research retreat in Scotland. Dr Edkins is an alumnus of the programme and was invited to present her research as part of the symposium.

The year for BioBRU ended with research visits by Professor Walid Houry (University of Toronto) and Professor Gregory Blatch (Victoria University, Melbourne).
DEPARTMENT OF BIOCHEMISTRY AND MICROBIOLOGY

Professor Dames accompanied members of her research group, Veronique Chartert FitzGerald, Phumeza Sibite and Dr Christine Bizabani to Northern Arizona University in the United States of America, where they presented their research at the 8th International Conference on Mycorrhiza.

Professor Pietschke and his PhD student Sagaran Abboo (also a member of technical staff: Chief Technical Officer) attended and presented their research at the 2nd International Conference on Food and Biiosystems Engineering in Mykonos, Greece. Professor Pietschke participated in his group’s work at the 37th Symposium on Biotechnology for Fuels and Chemicals in San Diego, USA.

Professor Tastan Bishop accompanied four (4) of her PhD students to the 23rd Annual International Conference on Intelligent Systems for Molecular Biology (ISMB) and the 14th European Conference on Computational Biology (ECCB), in Dublin, Ireland, in July 2015. She also attended the Biophysics Conference in the Understanding, Diagnosis, and Treatment of Infectious Diseases, in Stellenbosch in November with five (5) other Postgraduate students.

Significant Research Aligned Events

The Research Unit in Bioinformatics (RUBI) has established a South African natural compound database, named SANCDB (https://sancdb.rubi.ru.ac.za/). This is a curated and fully-referenced database containing compound information for six hundred and thirty-six (636) natural products extracted directly from journal articles, book chapters and theses. SANCDB is currently the only web-based natural products database in Africa. It aims to provide a useful resource for the in silico screening of South African natural products for drug discovery purposes.

The Marine Natural Products group also embarked on a new initiative to map coastal shelf invertebrate diversity in Algoa Bay. The team, led by Dr Shirley Parker-Nance, is using a remote operating vehicle (ROV) to explore deep water reef habitats that support a rich diversity of marine life including many new invertebrate species.

Research in Biochemistry and Microbiology continues to grow, being strengthened by both local and international collaborations.

Professor Joanna Dames
Head of Department

Books/Chapters/Monographs


Concerts, Exhibitions, Performances, Workshops, Events


Distinguished Visitors


International Visits


Other Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


De Moor, W., Van Marwijk, J., Wilhelmi, B.S. and Whiteley, C.G. (2015) Baculovirus- mediated infection of mammalian cells and synthetic interactions between 


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Peer-reviewed Proceedings

DEPARTMENT OF BIOCHEMISTRY AND MICROBIOLOGY

Working Group Meeting: Microbial and Nematode Control of Invertebrate Pests, Igra, Laranj, 1 June 2015.


Dames, J.F. and Fulmaka, A.

Dames, J.F. and Fulmaka, A. Spikeboom, Am fung and PGPR - is this a winning combination? 8th International Conference on Mycorrhiza. Northern Arizona University, Flagstaff, United States of America. August 2015.

Edkins, A.L.


Hatherley, R., Brown, D.K. and Tastan Bishop, O.


Jukes, M.D., Knox, C.M., Moore, S.D. and Hill, M.P.


Mafo, M.S., Bhattacharya, A. and Pietschli, B.I.


Marsberg, T., Hill, M.P., Knox, C.M. and Moore, S.D.


Mokhawa, G. and Tastan Bishop, O.


Moore, S.D. and Tastan Bishop, O.


Motsoeng, B., Moore, S.D., Hill, M.P. and Knox, C.M.


Mtambanengwe, K., Knox, C.M., Moore, S.D. and Hill, M.P.


Musyoka, T.M., Kanzi, A.M. and Tastan Bishop, O.


Penkler, D.L. and Tastan Bishop, O.


Pietschli, B.I.


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


Ryan, C.M. and Tastan Bishop, O.


Sitole, P. and Dames, J.F.

Sitole, P. and Dames, J.F. Mycorrhizal fungi and associated bacterial interactions with Cibus. 8th International Conference on Mycorrhiza. Northern Arizona University, Flagstaff, United States of America. August 2015.

Vailly, M.C., Contu, L., Mutsuvungu, L.Z. and Edkins, A.L.


Wilhelmi, B.S.


Wingate, I., De La Mare, J.A., Blatch, G.L. and Edkins, A.L.

RUBIC

RHODES UNIVERSITY BIOTECHNOLOGY INNOVATION CENTRE

The Rhodes University Biotechnology Innovation Centre (RUBIC) had reason to celebrate during its sophomore year by partnering with the United Nations Children’s Fund (UNICEF) Global Innovation Centre which culminated in a three (3) million rand funding promise and the donation of a 3D Printer to expand the burgeoning RUBIC Makerspace. Furthermore, RUBIC Director, Professor Janice Limson took up the position of SARChI Chair: Biotechnology Innovation and Engagement. Two (2) promising Masters candidates were recipients of the prestigious Mandela Rhodes Foundation Scholarships.

Postgraduates / Graduations

RUBIC hosted twenty-six (26) Honours, Masters and PhD students in 2015. The Centre graduated twelve (12) Honours, two (2) Masters and two (2) PhD students.

Distinguished Visitors / International Visits

The Centre was visited by Dr Sharad Sapra, Principal Advisor and Director of the UNICEF Global Innovation Centre, and Tanya Accone, Senior Advisor on Innovation at UNICEF in January 2015.

Dr Aileen Boshoff accompanied PhD candidates, Mr David N’ykundl and Mr Stephen Bentley to the VIIth International Congress on Stress Responses in Biology and Medicine in Huangshan City, China in September 2015.

Significant Research and Innovation Aligned Events

Following fruitful discussions RUBIC was invited to showcase a prototype CD4 diagnostic device at the launch of the UNICEF Global Innovation Centre in New York (United States of America) in May 2015. Professor Janice Limson and Doctoral candidate Mr J an Knuld demonstrated a much publicised simple low cost diagnostic device based on aptamer nano-biotechnology, an Android smartphone app (developed by Department of Computer Science student, Mr Courney Pitcher and his supervisor, Dr James Connan) and a plastic 3D printed housing through the RUBIC Makerspace that aims to allow for point-of-care CD4 counts critical to successful HIV treatment programmes. This culminated in the awarding of an initial three (3) year partnership agreement to the value of three (3) million rand with RUBIC.

BioSens Research group further shifted into high gear in 2015 with Professor Janice Limson starting her South African Research Chair in Biotechnology Innovation & Engagement ably assisted by South African Medical Research Council (SAMRC) Career Development Fellow Dr Ronen Fogel. The Chair speaks to all of the main tenets of RUBIC: Educate Innovate and Communicate. Professor Limson aims to break new ground in how biotechnology is communicated by engaging with the public through technology innovation. Students in RUBIC have begun engaging the public as participants in future technology, with the public providing localised perspectives to help drive the science towards real products and processes.

Dr Aileen Boshoff strengthened her research focus in Malaria and Trypanosomiasis through the publication of two (2) research articles in the prestigious International Journal of Biochemistry and Cell Biology as well as invitations to present oral and poster presentations at the VIIth International Congress on Stress Responses in Biology and Medicine in Huangshan City, China.

Dr Earl Prinsloo’s research laboratory continued their focus in cellular differentiation and bioprinting. A donation of a Makerbot 3D printer through the partnership with RUBIC further expanded the additive manufacturing capacity of the RUBIC Makerspace run by Dr Prinsloo.

Prestigious Mandela Rhodes Foundation scholarships were awarded to Ms Tamika Fellows and Ms Trisha Mpofu to further their Masters studies in 2016.
Books/Chapters/Monographs


Peer Reviewed Non-Subsidy-Earning Jourmal Research Publications


Peer Reviewed Subsidy-Earning Jourmal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

We were pleased to welcome Professor Julie Coetzee at the start of December 2015, formerly a Senior Research Officer with the Biological Control Research group in the Department of Zoology and Entomology, who will contribute expertise in invasion biology, plant-insect interactions and biological control to the department’s research activities.

Construction of the flagship elevated CO2 research facility was completed at the end of the year with the first research projects scheduled to commence in early 2016. This project, led by Professor Brad Ripley with collaborators at Rhodes University and other institutions, will create exciting research opportunities on the effects of elevated atmospheric CO2 on crop plants, natural vegetation dynamics and the effectiveness of biological control of alien weeds. Professor Ripley continued his research and international collaborations focusing on the evolution of C4 grasses and on the ecophysiological processes underpinning land cover change, including bush encroachment.

Professor Craig Peter was on sabbatical in 2015. During this time he visited the Lowveld to work on the pollination of Bauhinia galpinii (The pride of de Kaap) and was able to show that this iconic South African plant is pollinated almost exclusively by large swallowtail butterflies while smaller butterflies and sunbirds rob the flowers of nectar. He also worked in KwaZulu-Natal (KZN) on moth-pollinated orchids, and this work has been submitted to a special edition of the journal Flora which is celebrating the life of Stefan Vogel who worked extensively on the pollination of the South African flora and made predictions about these species based on plants he collected at the same study site.

Mr Tony Dold was part of a team of researchers who identified and described a new species of bulb plant, Massonia obermeyerae. Photo: Mr Tony Dold

To support his citizen science project OrchidMAP, Professor Peter gave talks at seven (7) citizen scientist events around the country with ninety-seven (97) contributors contributing over three thousand two hundred (3200) records from fourteen (14) African countries.

Dr Susi Vetter continued her research on the cultural values of biodiversity and on the dynamics and feedbacks of bush encroachment. She won the award for best paper for a presentation on local vs landscape-level effects of bush encroachment at the annual Congress of the Grassland Society of Southern Africa.

Dr Anusha Rajkaran continued her research into coastal ecology, notably the expansion of mangroves into new areas as a result of global warming. She has also been active in collaborations with institutions in Kenya, Tanzania and Mexico, where she has attended workshops on the ecology and management of marine and coastal resources and to promote training and capacity building.

Mr Tony Dold was part of a team of researchers who identified and described a new species of bulb plant, Massonia obermeyerae. Tony found the plant based on an old specimen collected by the authors Eve Palmer (‘The Plains of the Camdeboo’) and her husband J effrey J enkins on their farm, near Pearston in 1961.
Postgraduates / Graduations

In 2015, the Botany Department was home to nine (9) Honours, seventeen (17) MSc and eight (8) PhD students. Four (4) MSc students graduated in 2015, one (Nic Venter, supervised by Professor Brad Ripley) with distinction. Of the four (4) Honours students who graduated in 2015, two (2) (Kyle Lloyd and Emma Mostert) graduated with distinction.

Distinguished Visitors / International Visits

Professor Ripley visited Edinburgh and Sheffield in September 2015. He spent time with collaborators at Sheffield University and took part in a workshop on "Savannas in the Anthropocene" in Edinburgh, where he presented an invited paper on woody plants and took part in a workshop on "Savannas in the Anthropocene".'


Wheeler, A. and Vetter, S.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Boloshua, U. and Rajkaran, A.


Coetzee, J. A.


Mostert, E.C. and Peter, C.J.


Peter, C.J.


Ripley, B.S.


Vetter, S.


Vetter, S., Klopper, C. and Ripley, B.S.

The Department of Chemistry had an unbelievable year in 2015, thanks largely to the achievements of Distinguished Professor Nyokong and the Centre for Nanotechnology Innovation (DST/Mintek NIC). Professor Nyokong published no fewer than sixty (60) articles in international journals and graduated a record six (6) Doctoral students.

The Department can only bask in the reflected glory of these achievements, and to paraphrase our Vice-Chancellor: “Just when we thought she couldn’t possibly do better, we are astonished by what the group is able to achieve next.” Professor Nyokong also received a UNESCO Medal for her Contribution to the Development of Nanoscience and Nanotechnologies and was recognised by Celebrating Excellence in Organizations (CEO) as the most influential woman in Education and Training in Africa today.

This is not to devalue in any way all the other fantastic contributions by academic staff, support staff, technical and scientific officers who work tirelessly to ensure the success of the Department. Chemistry was again a hive of activity with many distinguished visitors, several research visits undertaken and conference presentations delivered - including the highly successful South African Institute of Chemistry’s Inorganic Conference held in July with over one hundred (100) delegates from around the world.

Postgraduates / Graduations

We are always very proud of our Postgraduates and in particular this year. I want to highlight that six (6) of our Honours students graduated with Distinction. These were joined by twelve (12) other Honours students, seven (7) Masters students, including Lester Sigauke who was awarded not one but two (2) Masters degrees, and eight (8) Doctoral graduates. The Department wishes all our graduates success in their future and their careers.

The research success of the department also rubs off on our Postgraduates, many of whom received awards for conference presentations and research outputs in 2015. In particular Colin Mkhize, who graduated with a distinction in Masters was awarded a Mandela Rhodes Scholarship for a PhD at Oxford and Ms Siphesihle Nxele, a Masters student was the winner of the 2015 South African Women in Science Awards for MSc.

We are also tremendously proud of our staff who undertake further study, and in 2015 Mr Simbongile Sicwetsha graduated with a National Diploma in Chemistry from Walter Sisulu University (WSU).

Distinguished Visitors / International Visits

The Department was host to numerous distinguished visitors, including several NASA scientists such as Jim Adams and astronaut Catherine Coleman, and the SACI conference. The research success of the department also rubs off on our Postgraduates, many of whom received awards for conference presentations and research outputs in 2015. In particular Colin Mkhize, who graduated with a distinction in Masters was awarded a Mandela Rhodes Scholarship for a PhD at Oxford and Ms Siphesihle Nxele, a Masters student was the winner of the 2015 South African Women in Science Awards for MSc.
brought collaborators from Russia, France and Japan, including Professor N Kobayashi as a plenary speaker. We were also fortunate to host Dr Kerry McPhail (a former Rhodes graduate) from Oregon State University as our Barker Lecturer. These visits were matched by a large number of reciprocal visits by staff and students to labs, facilities, and conferences around the world, all of which renew and invigorate the work that we do.

Thank you everyone and congratulations.

Professor Rui Krause
Head of Department

Concerts, Exhibitions, Performances, Workshops, Events

Hulushe, S.T. and Watkins, G.M. Research Collaboration (NRF SA/Russia) and Plenary Speaker: The 17th Electrochemistry, Russian Academy of Sciences, Moscow, Russia. Professor A Martynov
Martynov, A.

Distinguished Visitors

Martynov, A.

Adams, J.

Alexander, C.

Bedioui, F. and Varenne, A.

Coleman, C.

Furuta, H.

Gai, L.

Gorbunova, T.

Grimes, R.

Gruchy, T.

Kobayashi, N.

Marais, E.

McPhail, K.
Professor K McPhail. Oregon State University, Corvallis, United States of America. Lecture and a seminar. September 2015.
Pritchett, J.
Dr J. Pritchett. Montgomery College; Rockville Campus, MD, Rockville, United States of America. Lecture: Forensic applications at the National Institute of Standards and Technology. February 2015.

Ramirez Garcia, G.

Shen, Z.

Shi, M.

Stone, J.

Varene, A.

Wothers, P.

International Visits

Ezuruike, H.

Harris, J.A.
Harris, J. A. Nanjing University, Nanjing, China. Research Collaboration (NRF SA/China): MSc Exchange Student. 3 - 24 December 2015.

Kubheka, G.
Kubheka, G. Shishu University, Ueda, Japan. Research Collaboration (NRF SA/Japan): MSc Exchange Student. 6 July - 3 September 2015.

McKay, J.

Mack, J.

Mack, J.

Managa, M.

Neale, S.R.

Nyokong, T.

Nyokong, T.

Nyokong, T.
Nyokong, T. N/A. Istanbul, Turkey. First Meeting of the High-level Panel of the Secretary General on Technology Bank for LDC's (Member of the High-level Panel). 16 - 17 February 2015.

Nyokong, T.
Nyokong, T. N/A. Istanbul, Turkey. Second Meeting of the High-level Panel of the Secretary General on Technology Bank for LDC’s (Member of the High-level Panel). 1 - 5 September 2015.

Nyokong, T.

Oluwole, D.O.

Siwe Noundou, X

Stone, J.
Stone, J. Shinshu University, Ueda, Japan. Research Collaboration (NRF SA/Japan): MSc Exchange Student. 6 July - 3 September 2015.

Wildervanck, M.
Wildervanck, M. Shinshu University, Ueda, Japan. Research Collaboration (NRF SA/Japan): MSc Exchange Student. 6 July - 3 September 2015.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Chigome, S. and Torto, N.

Peer Reviewed Subsidy-Earning Journal Research Publications

Achadu, O.J. and Nyokong, T.

Bankole, O.M.

Bankole, O.M.

Bankole, O.M., Britton, J. and Nyokong, T.

Bromley, C.L.

Chigome, S. and Torto, N.
Glassblowing demonstration; the glassblower is an integral part of the Chemistry Department.


Darko, G. and Torto, N.


D’Souza, S., George, R. and Nyokong, T.


D’Souza, S., Mashazi, P., Britton, J. and Nyokong, T.


D’Souza, S., Moeno, S. and Nyokong, T.


D’Souza, S., Ogudor, R.D. and Nyokong, T.


Faridoon, H.


Fashina, A. and Nyokong, T.


Fashina, A., Amuhaya, E.K. and Nyokong, T.


Fayemi, O.E., Antunes, E.M. and Nyokong, T.


George, R.C. and Nyokong, T.


Gundhia, I.Z. and Walsmsley, R.S.


Hegwu, O.C. and Torto, N.


Kempgens, P.


Khanye, S.D.


Khoza, P. and Nyokong, T.


Krause, R.W.M.


Majumdar, P., Mack, J. and Nyokong, T.

Jiang, Y., Li, M., Liang, X., Mack, J., Stone, J. and Nyokong, T.

Wang, B.B., Zuo, H., Mack, J.

Tasso, T.T., Taniyuki, F., Mack, J.


Mack, J., Stone, J. and Nyokong, T.


Mack, J., Wildervanch, M. and Nyokong, T.


Manukerc, M.H., Olomola, T.O., Majumder, S., Isacs, M., Klein, R. and Kaye, P.T.


Maringa, A., Mhashi, P. and Nyokong, T.


Mkhize, C., Britton, J. and Nyokong, T.

Mkkiz, C., Britton, J., Mack, J. and Nyokong, T.

Modisha, P., Antunes, E.M. and Nyokong, T.


Mithithwa, T. and Nyokong, T.


Mugadza, T., Antunes, E.M. and Nyokong, T.


Nxele, S.R., Mashazi, P. and Nyokong, T.


Nyokong, T.


Peer-reviewed Proceedings

Krause, R.W.M.


Ngamane, N. and Krause, R.W.M.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Ayni, A. and Watkins, G.M.


Bankole, O.M. and Nyokong, T.


Bante, M.J. and Watkins, G.M.


Britton, J., Mkhize, C., Sekhosana, K.E. and Sanusi, K.


Chibiza, V and Watkins, G.M.


Hodgson, I.M. and Watkins, G.M.


Hulshof, S.T. and Watkins, G.M.


J esemoroti, O.J., Rafael, C.C.F., Klein, R. and Kaye, P.T.


Khanye, S.D.


Krause, R.W.M.


Mack, J.


M  Y  C  RRR 2015 | Dept A - C 11/5/16 10:30 PM Page 34

42nd Annual SACI Convention 2015
Coordination Chemistry Achievements and Challenges
Conference
Olasupo, I.
Olasupo, I., Lobb, K.A., Klein, R. and Kaye, P. T.
Oguntade, B.K. and Watkins, G.M.
African chemical Institute Inorganic Chemistry Conference (INORG2015)
Nyokong, T.
Nyokong, T.
Nxele, S.R.
Ngomane, N.
Ngomane, N., Torto, N. and Krause, R.W.M.
Mvango, S.
Mashazi, P.
Mashazi, P. and Watkins, G.M.
Msane, G.F.
Msane, G.F. and Krause, R.W.M.
Makoni, P .G.
Makoni, P .G., Krause, R.W.M. and Siwe Noundou, X.
Makayonke, N.T.
Mack, J.
Mack, J., Mkhize, C., Kuhleka, G., Britton, J. and Nyokong, T.
Makayonke, N.T., Krause, R.W.M. and Pletschke, B.J.
Makoni, R.G., Krause, R.W.M. and Siwe Noundou, X.
Mashazi, P.
Miji, U.B. and Watkins, G.M.
Msane, G.F. and Krause, R.W.M.
Murinzi, T.W. and Watkins, G.M.
Mwango, S., Ndlovu, G.M., Mkhize, P., Mkhize, T., Mhlanga, N., Mthunzi, K. and Mashazi, P.
Ngomane, N., Torto, M. and Krause, R.W.M.
Nkeli, S.B., Mashazi, P. and Nyokong, T.
Nyokong, T.
Nyokong, T.
Oguntade, B.K. and Watkins, G.M.
Oluwole, D.O., Tillery, C.M. and Nyokong, T.
The research activity in the Computer Science department was as again organized around the mutually supporting research groups listed below. With the exception of BioInformatics, all groups are integrated in the Telkom Centre of Excellence in Distributed Multimedia (coe.ru.ac.za), a triple helix initiative that brings together Industry, Government and Academia to every participant’s gain. The longevity of the Centre, as an external funded project, has been remarkable, having started in 1997.

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

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

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

ICT for Development
(Professor Alfredo Terzoli, Ingrid Sieborger, Dr Mosioua Tsietsi and Professor Hannah Thinyane)
This group concentrates on a long-term, multidisciplinary effort to introduce meaningful and sustainable ICT in poor areas of South Africa, rural and peri-urban.

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

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

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.

Postgraduates / Graduations
In 2015 the department graduated:
- Fourteen (14) Honours students.
- Twelve (12) MSc (by coursework) students.
- Four (4) MSc (by research) students.
- Two (2) PhD students.

During 2015 the following students were in training:
- Twelve (12) Honours.
- Fifteen (15) MSc by research.
- Eight (8) MSc by coursework.
- Seventeen (17) PhD.

Distinguished Visitors / International Visits
Distinguished visitors for 2015 are listed in the “Distinguished Visitors” section below. To them, one should add
representatives of the industry partners of the Computer Science department, both within the Telkom Centre of Excellence and outside. Also, there were representatives from the various academic entities the department collaborated with in 2015, such as Drs Aaron Ciaghi and Pietro Molini from the Bruno Kessler Foundation, Trento, Italy.

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, the department received research grants from the partners of the Telkom Centre of Excellence in Distributed Multimedia (Telkom, Telatas / Coirant and THRIP, a DTI programme to support industry-academia interaction). Funds were also received from the CSR Defense Peace Safety and Security (DPSS) in support of work done in Information Security; the National Research Foundation (NRF) in the form of research grants associated to rated researchers; Kwantu National e-Skills Institute and Telkom Foundation in support of the work done by the Siyakhula Living Lab and associated entities. An NRF grant to investigate alternative GPU design was awarded at the end of 2015 for the period 2016-2018.


The Department of Computer Science (DPS) an Institution of Ronald E. McNair, a National Research Foundation (NRF) in the form of research grants associated to rated researchers; 2015. Day 1 - 30 December 2015.

### Distinguished Visitors

- **Ristonian, D.**  

- **Villaforita, A.**  
  Professor A. Villaforita. Fondazione Bruno Kessler, Trento, Italy. The visit was part of the activity of ThAppFactory project (PIGR00087), a collaboration with the Fondazione Bruno Kessler di Trento, Italy. The project is funded by the Italian Ministero degli Affari Esteri e della Cooperazione Internazionale. The focus of the project is on improving software development techniques utilized by SMMEs in emerging market. October 2015.

### International Visits

- **Machanicki, P.**  
  University of Michigan, Ann Arbor, United States of America. Sabbatical trip. 20 October - 21 November 2015.

- **Terzoli, A.**  
  University of Namibia UNAM and Namibia University of Science and Technology (NUST), Windhoek, Namibia. Consulted on the building of a Software Development Centre at UNAM. Explored synergies with the Siyakhula Living Lab at NUST. 17 November - 21 January 2015.

- **Thinyane, H.**  
  University of New South Wales, Canberra, Australia. Explored possibility of collaboration with ADFC Campus, UNSW. 1 October - 31 December 2015.

- **Thinyane, H.**  

- **Tsietsi, M.**  
  Tsietsi, M. Fondazione Bruno Kessler, Trento, Italy. Investigate the most optimal approach for integrating Ruby on Rails applications with standard Java applications inside an open source Java middleware platform. 10 - 21 December 2015.

- **Wells, G.C.**  

### Patents

- **Foss, R.**  

- **Foss, R.**  

### Peer Reviewed Subsidy-Earning Journal Research Publications

- **Bradshaw, K.**  

- **Connan, J. and Staudemeyer, R.C.**  

- **Darlow, L.N. and Connan, J.**  
  Darlow, L.N. and Connan, J. (2015) Study on internal to surface fingerprint correlation using optical coherence tomography and internal fingerprint

Peer-reviewed Proceedings

Carre, S.J. and Bradshaw, K. Carre, S.J. and Bradshaw, K. Towards an Extensible Genetic Agent-Based Simulator for Mammals. SAICST 2015: Walenberg Centre, Stellenbosch, South Africa. September 2015.


van Zyl, I., Rudman, L.L. and Irwin, B.

Wrench, P. and Irwin, B.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Bradshaw, K.

Fossa, R.

Motsumi, T.V., Tsietsi, M. and Terzoli, A.


Sogunle, O.F., Tsietsi, M. and Terzoli, A.

Terzoli, A.

Terzoli, A.

Terzoli, A.

Terzoli, A. and Gumbo, S.
Creative practice and research are two indissolubly linked experiences in the theatre studies programme whether studying applied theatre, choreography, directing or performance. Extensive, diverse and applied research is required when preparing for a traditional or experimental production as a performer, choreographer, writer, designer or director. The same industrious effort is required if preparing to work with a drama class of school learners from GADRA or looking at environmental issues with young learners at Ntaba Maria Primary School. Informed theatre practice based on both experience and extensive research is a pre-requisite in order to consolidate and extend knowledge-bases, develop skills-acquisition, and apply innovative and effective interactive methods.

This form of research might not necessarily be framed within a traditional research framework but it is research nevertheless and permeates and informs creative practice and invites discovery in the field. A production requiring such research and featured at Rhodes University (RU) Student Orientation was *The Most Amazing Other Show* - a work demanding research into making and performing theatre but also involving research into the ethos of change and transformation at the heart of the academic programme. The theatre research centred on the arrival of new students to the university and the consequent fears, aspirations, prejudices, challenges and experiences they might encounter. The research brought together researchers, specialists and collaborators from the Drama Department, UBOM! Eastern Cape Drama, the Division of Student Affairs, and heads (Higher Education and Training, HIV/Aids Programme).

Another production that required intensive research from performers and collaborators was the production of *Astronautus Afrikanus* a work devised by the cast under the direction of guest director Mwenya B. Kabwe (Witwatersrand University) in collaboration with Junior Lecturer, Lieketso Mohoto and resident designer, Ilka Louw. This production explored the site of the theatre space interspersed with another source - the story of a colourful character in Zambian history named Edward Mukuka Nkoloso who in the mid 1960's was convinced that Zambia was going to beat the Russians and Americans to space. Inspired by this story the production offered an immersive theatre experience coupling an imaginative intervention with the story from Africa with an exploration and discovery of the nooks and crannies of the Rhodes Main Theatre!

Professor Andrew Buckland’s professional practice in *Tobacco, and the Harmful Effects Thereof* presented at the Amsterdam Festival in the Netherlands brought together layers of research on theatre-making and performing. It was an original work drawing on the expertise and research of director, writer, scenographer and performer.

Professor Gary Gordon’s venture into the corporate world for the Pam Golding GoldClub Corporate Event required research...
into the site for performance - and movement research for a physical language appropriate for that site. The event was performed on the stage of the Guy Butler Theatre amongst banquet guests and in the loading zone adjacent to the stage.

Creative practice has also nurtured research and led to an impressive array of research outputs in the broad spectrum of drama/theatre/performing arts studies. In such research interventions, theatre practice informs and refines critical and conceptual thinking on areas of theatre research.

Professor Alex Sutherland's research with applied theatre at the Department of Correctional Services on performing masculinities amongst violent men is one such case study which was published in the South African Theatre Journal.

At the International Conference of Doctoral Studies in Theatre Practice and Theory in the Czech Republic, Dr Heike Gehring's interrogation of theatre practice as research drew from her own professional practice.

Professor Juanita Praeg presented at a Conference at the University of Cape Town (UCT) School of Dance in Cape Town, her critical reflections on selected local current case studies; she focused on original choreography from the Eastern Cape during the years 2014 and 2015.

The discourse surrounding theatre performance in South Africa is another space for theatre research.

Professor Anton Krueger viewed the performance amaXhosa authenticity at the National Arts Festival of South Africa. This was a chapter published in New Territories: Theatre, Drama, and Performance in Post-apartheid South Africa. 2015 has seen renewed rigour in research inquiry, practice and outputs relating to the curriculum, the teaching/learning programme and research. Creative practice and research has meant participation in a number of national festivals and conferences: Cape Town, Grahamstown, Hilton, and Johannesburg. Traveling further afield has meant the impact of department has been extended to countries such as Austria, Australia, Cambodia, Czech Republic, England, Greece, Hong Kong, India, the Netherlands, the United States of America and Uganda.

Postgraduates / Graduations

The department has continued to develop research by senior students. Dr Sonja Smits - the first PhD in the Drama Department - for her Postdoctoral Fellowship researched South African theatre artists: Steven Cohen, Die Antwoord and Nicola Elliott.

Kamogelo Molobye presented a paper at Confluences 8 Negotiating Contemporary Dance in Africa - a conference at the UCT School of Dance. The paper grew from his research within the MA coursework programme on the incongruities of the dancing skin.

Another MA student, Ester Van Der Walt presented a paper at the same conference examining online presence for the South African dancer/chorographer.

The connections between practice and research as an investigative, rigorous and imaginative interplay between content and form continued to nurture the Postgraduate curriculum. Four (4) Masters students specialising in choreography were involved in the movement and site research surrounding the performance for the Pam Golding GoldClub Corporate Event.

Performance and movement research took a number of the MA students specialising in choreography to festivals in Cape Town, Grahamstown, Johannesburg - and to the Bayimba International Festival in Kampala, Uganda.

Hanna Lax, MA graduate who specialised in directing brought her expertise to the direction of The Most Amazing Other Show for RU Student Orientation.

The high level of creative practice is evidenced by prestigious awards received by Postgraduate students. PhD student Rob Murray received the Standard Bank Fringe Ovation Award for Theatre at the 2015 National Arts Festival. MA student Lexi Meier received the Standard Bank Fringe Ovation Award for Dance. Armeera Najwa Mills was Winner of Best Student Production at the 2015 National Arts Festival - the production also received the award for Best Student Design.

Of the nine (9) Honours students, seven (7) achieved first class passes. Both MA students specialising in choreography graduated with distinctions; a third student specialising in contemporary performance also achieved a distinction for her degree.

A notable achievement was the PhD conferred upon staff member Heike Gehring. The thesis drew together academic scholarship with an impressive body of investigative professional practice: Shifting identities: An exploration of the possibilities for a syncretic Afrikaans theatre by means of three case studies - Hex (2003), Lady Anne (2006), Ekspedisies (2007).

Distinguished Visitors / International Visits

The greatest number of international guests outside the National Arts Festival arrived at the Drama Department for an Executive Committee meeting of OISTAT: International Organisation of Scenographers, Theatre Architects, and Technicians. A significant part of the discussions was to assess the feasibility of establishing an OISTAT Centre in Africa. Acclaimed designers and scenographers came from Bulgaria, the Netherlands, Serbia, Taiwan, the United Kingdom and United States of America.

Guests included delegates from University of Witswatersrand and University of Cape Town. Kurt Egelhof, National Coordinator of PANSA (Performing Arts Network of South Africa) also attended the sessions. Theatre Technology workshops were given to the Postgraduate students.

There were a number of distinguished visitors opening the terrain of research possibilities surrounding the broad spectrum of theatre studies. The department benefitted from the scholarly input of Dr Ameh Akoh from Osun State University, Nigeria. Dr Akoh was conducting research on the Nigerian dramatist, Femi Osofsyan and was brought to the department on an exchange project by the African Humanities Programme funded by the Carnegie Corporation. Dr Gill Williams from the Centre for Dance Research at Coventry University ran a series of linked seminars and experiential workshops concerning the practice and
professional training of disabled dance artists. Tania Canas - a PhD candidate at the University of Melbourne - offered a number of interactive and seminar sessions on an Australian perspective of practice as research with her work centred on refugee communities.

The department continued its association with Hong Kong/South African based theatre artist Acty Tang, who was on Leave Replacement for the first part of the year. Acty Tang works at the Schools of Dance and Drama at the Hong Kong Academy for Performing Arts - and on the arts programme at the Hong Kong University of Science and Technology. Athina Vahla - an acclaimed international choreographer based in Grahamstown - contributed to teaching, learning and choreographic development. Her current projects have taken her to the Greek National School of Dance in Athens, Greece, and the Northern School of Dance in Leeds, United Kingdom.

There were a number of specialists feeding into the development of the curriculum and extending pedagogical practice. Sara Matchett - voice specialist at UCT Drama Department - offered an intensive course for staff and Postgraduates on the voice work of Fitzmaurice. Sara Matchett is the only certified Fitzmaurice teacher in Africa and this methodology working with breath, voice and body is at the cutting edge of voice work worldwide. Maakomele R. Manaka (Mak Manana) - an acclaimed SA performance poet - was undertaking his MA in Creative Writing at the ISEA and presented Creative Writing Workshops for the aspiring playwrights in the department. His approach was to create texts that are relevant to young people’s living experiences. Nicola Elliott, RU Masters graduate and 2014 Young Artist Award Winner for Dance provided creative movement workshops for Postgraduate students: “exploring via movement the subjective experience of the present moment”.

One of the artistic highlights was an interdisciplinary project that involved the Masters students specialising in choreography. The project examined connections between participating artists and the development of dynamic physical, visual and aural texts. RU alumni and previous Young Artist Award Winner for Dance PJ Sabbagha brought together his company members from the Forgotten Angle Theatre Collaborative with Charlotte Hug, a Composer-Performer and Visual Artist from Zurich, Switzerland. The interactive sessions with the MA students lead to a performance, Siyaba: Found in Translations.

Significant Research Aligned Events

The research laboratories of the department centre on the associated projects: The First Physical Theatre Company and Ubom! Eastern Cape Drama Company. These companies provide innovation in relation to theatre languages forging fresh innovations in physicality, theatricality, collaborations and performance styles. They also offer inspiring excursions into education and training with the consequent nurturing and growth of local potential in the performing arts.

First Physical Theatre Company was invited to take Caught, a work choreographed by local artist Nomcebisi Moyikwa (also Honours graduate) to the Bayimba International Festival 2015 in Uganda. The work was also featured at the SANAA Arts Festival in Johannesburg and the National and Regional Schools Festivals in Grahamstown. Nomcebisi Moyikwa also created two works for the company on the fringe programme of the 2015 National Arts Festival. Both Waltz and Inqindi received prestigious Standard Bank Fringe Ovation Awards for Dance. Waltz was invited to the Cape Town Fringe 2015. Ubom! Eastern Cape Drama Company presented the magical Bleek Island Adventure Family Show - a chance for primary school learners to colour the world with kindness. One of the company’s commitments is the growth of theatre skills amongst local artists through workshops. The culmination of this workshop programme is the annual Makana Drama Development Festival. The overall winning production was subsidised to showcase on the fringe programme of the 2016 National Arts Festival. A further theatre delight was the Christmas Show with a South African heart: Thando and the Magic Box was performed at Fort England Hospital, Temba TB Hospital, Ethembeni Old Age Home, Brookshaw Old Age Home, Somerset Place Old Age, McKaizer Home and the Army Base.

Professor Alex Sutherland running a workshop at Fort England Hospital as part of the Performing Change research project. Photo: Paul Greenway/2pphotography

Professor Gary Gordon
Head of Department
Books/Chapters/Monographs


Creative Writing


Distinguished Visitors

Akoš, A.D., Dr AD Akoš. Osun State University, Nigeria, Osogbo, Nigeria. Postdoctoral Fellow and currently conducting research on the Nigerian dramatist, Femi Osofisan, January 2015.

Chang, D.
Mr D Chang, Vice President. OISTAT: Taipei, Taiwan. OISTAT:
International Organisation of Scenographers, Theatre Architects, and Technicians. Executive Committee meeting for the first time in Africa at Drama Department, Rhodes University. Assess feasibility of establishing OISTAT Centre in Africa with EC meetings and Theatre Technology workshops. April 2015.

crowley, S.
C Crowley, S. UK Commissioner for OISEAT Education committee, United Kingdom. Head of Design, Royal Welsh College of Music and Drama. OISTAT: International Organisation of Scenographers, Theatre Architects, and Technicians. Executive Committee meeting for the first time in Africa at Drama Department, Rhodes University. Assess feasibility of establishing OISTAT Centre in Africa with EC meetings and Theatre Technology workshops. April 2015.

Egelhof, K.
Mr K Egelhof, National Coordinator, PANSA (Performing Arts Network of South Africa), Durban, South Africa. Attendance at OISTAT proceedings in the Drama Department, Rhodes University. April 2015.


Hug, C.
Mr C Hug, Zurich independent artist: Composer/Performer/Visual Artist, Zurich, Switzerland. Interdisciplinary Artist in Residence collaboratively with MA choreography students. March 2015.

Janssen, L.
Professor L Janssen, OISTAT President, Amsterdam, Netherlands. OISTAT: International Organisation of Scenographers, Theatre Architects, and Technicians. Executive Committee meeting for the first time in Africa at Drama Department, Rhodes University. Assess feasibility of establishing OISTAT Centre in Africa with EC meetings and Theatre Technology workshops. April 2015.

Kabwe, M.
Ms M Kabwe, Witwatersrand University, Johannesburg, South Africa. Director of Theatre Production. April 2015.

Matchett, S.
Ms S Matchett, University of Cape Town, Cape Town, South Africa. Fitzmaurice Voicework workshops: Intensive interactive sessions with drama staff and postgraduate students. May 2015.

Ramsaur, M.
Professor M Ramsaur, Stanford University, Stanford, USA. OISTAT: International Organisation of Scenographers, Theatre Architects, and Technicians. Executive Committee meeting for the first time in Africa at Drama Department, Rhodes University. Assess feasibility of establishing OISTAT Centre in Africa with EC meetings and Theatre Technology workshops. April 2015.

Raychikovana, M.
Professor M Raychikovana, National Academy of Art, Sofia, Bulgaria. OISTAT: International Organisation of Scenographers, Theatre Architects, and Technicians. Executive Committee meeting for the first time in Africa at Drama Department, Rhodes University. Assess feasibility of establishing OISTAT Centre in Africa with EC meetings and Theatre Technology workshops. April 2015.

Sabbagha, P.J.
Mr P J Sabbagha, Forgotten Angels Theatre Collaborative, Johannesburg, South Africa. Interdisciplinary Artists (theatre company) in Residence working collaboratively with MA choreography students. Previous Young Artist Award Winner for Dance at National Arts Festival. March 2015.

Tang, A.
Mr A Tang, Hong Kong Academy for Performing Arts, Hong Kong, Hong Kong. Replacement Lecturer: lecturer at Hong Kong Academy for Performing Arts; previous Young Artist Award Winner for Dance. January 2015.

Williams, G.
Dr G Williams, Coventry University, Coventry, United Kingdom. Interactive workshops and seminar with postgraduate students: Disability and Dance. September 2015.

Zekovic, M.
Professor M Zekovic, University of Novi Sad, Novi Sad, Serbia. OISTAT: International Organisation of Scenographers, Theatre Architects, and Technicians. Executive Committee meeting for the first time in Africa at Drama Department, Rhodes University. Assess feasibility of establishing OISTAT Centre in Africa with EC meetings and Theatre Technology workshops. January 2015.

International Visits

Gehring, H.
University of Olomouc, Olomouc, Czech Republic. Course undertaken in department of Nederlandstik. 20 - 25 November 2015.

Gehring, H.
University of Vienna: Department of Dutch, Vienna, Austria. Course undertaken. 28 November - 5 December 2015.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Smit, S.


Peer Reviewed Subsidy-Earning Journal Research Publications

Kraeuger, A.R.


Mohoto, L.

Sutherland, A.E.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


The number of postgraduates registered for Masters degrees and doctoral degrees increased in 2015, which again was largely the result of the Environmental and Natural Economics Research Focus Area (ENREFA). This included two (2) PhD 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 concerning Master’s degree graduates. Two (2) students graduated with Master of Economics degrees, and ten (10) Master of Commerce degrees were awarded, four (4) of which were degree by thesis, and six (6) under the Masters in Financial Markets.

Distinguished Visitors / International Visits
Ms Niki Cattaneo attended the Seventh BRICS Academic Forum in Moscow, Russia in May 2015. She presented a paper on trade policy, the WTO and productive transformation strategies in a context of regional and bilateral trade agreements: perspectives from South Africa.
Mr Ferdi Botha travelled to Antwerp in The Netherlands, where he is registered for his doctoral studies.
Professor Jen Snowball presented at paper (Festival fringe production and the long tail) at the 13th International Conference on Arts and Cultural Management organised by the International Association of Arts and Cultural Management (AIMAC), held in Aix-Marseille, France in June 2015.
In 2015, Rhodes was also part of a successful bid (along with Nelson Mandela Metropolitan University and University of Fort Hare) to host the South African Cultural Observatory (SACO), funded by the Department of Arts and Culture. SACO is a research organisation focused on the cultural and creative industries in South Africa. Their work includes providing a platform for the collection of data on the cultural sector, research on the measurement and impact of the cultural industries and the production of policy-relevant research.

The research covered financial markets, household economics, cultural economics, environmental and agricultural economics, sports economics and institutional economics.

Significant Research Aligned Events
The ENREFA programme has expanded with another two (2) PhD students registering who have come with interesting research topics. The PhD topics are both institutional economics topics. The one relates to the governance and finance of marine protected areas in Mozambique and the other influence of institutional changes and climate variability on sorghum production in the lowland districts of Lesotho.

The Department was more successful than the previous year in terms of peer reviewed publications and other popular publications. Professor Gavin Keeton was again the front-runner in terms of a biweekly newspaper article.
Books/Chapters/Monographs

Botha, F.

Faure, A.P.

Faure, A.P.

Faure, A.P.

Faure, A.P.

Other Publications

Botha, F., Scott, B.W. and Snowball, J.D.

Cattaneo, N., Biziwick, M. and Fryer, D.

Faure, A.P.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Fraser, G.

Peer Reviewed Subsidy-Earning Journal Research Publications

Biziwick, M., Cattaneo, N. and Fryer, D.

Botha, F.

Botha, F. and Snowball, J.D.

Collins, A. and Snowball, J.D.

Collins, A., Fraser, G. and Snowball, J.D.

Daly, C.A.K., Fraser, G. and Snowball, J.D.

Ismail, Z. and Khembo, P.

King, D. and Botha, F.

Marie, J.

Pahlow, M.


Celebrating 10 Years of PhD weeks!

Rhodes University Faculty of Education celebrated ten (10) years of running PhD weeks in April 2015. The Faculty welcomed twenty-five (25) Swedish PhDs and their professor for the 2015 PhD week. For this PhD we had a total of ninety-five (95) PhD scholars and their lecturers in attendance with thirty-one (31) of these being lecturers and PhD scholars from Sweden’s Umea University’s School of Education.

“This is our biggest PhD week, and our first where we have had an international group of PhD’s joining us from another continent,” said Professor Heila Lotz-Sisitka, co-ordinator of the programme. “This facilitates international exchange of knowledge in education, and develops understanding of how research and education systems work in diverse contexts,” she said.

“The PhD weeks have proven to be an important research support intervention, as they provide an opportunity for our PhD scholars to ‘test their ideas’ in a scholarly community, and to bring issues into debate during the PhD journey,” added Professor Lotz-Sisitka.

The Education Faculty PhD weeks were established in 2004 to strengthen PhD scholarship, and to create scholarly communities where PhD level research issues can be debated and discussed. These range from issues related to social theory and methodology or how to work with research questions in relation to context, evidence, quality and analysis. The PhD weeks are highly appreciated by the PhD scholars.

One insight that has emerged over the ten (10) years, is that PhDs that attend PhD weeks regularly are also likely to complete their PhDs in good time. Through interaction with other PhD scholars, the possibility exists to develop wider perspective on Postgraduate research which is helpful if one goes on to providing research supervision after the PhD.

“As the PhD offerings in the Faculty expanded after introduction of the Higher Education Studies PhD programme, the PhD weeks also expanded, and one can regularly expect up to 60 PhD scholars from the Faculty gathering at any one PhD week,” said Professor Lotz-Sisitka.

“Normally the scholars meet in two groups - one co-ordinated by Professor Sioux McKenna for CHERTL and one co-ordinated by Professor Lotz-Sisitka and colleagues from the Department of Education. As both groups are in the Faculty of Education, they also seek to provide shared sessions,” she added.

The thematic focus of the March 2015 PhD Week was “Education, the public good and transformative practices: Understanding our research as a contribution nationally and globally”.

25 years of Environmental Education Research at Rhodes

2015 also saw the celebration of twenty-five (25) years of the Murray and Roberts Chair of Environmental Education at Rhodes University. Established in 1990 with the foresight of Professor Pat Irwin, the Chair, first held by Dr Eureta Rosenberg (1990-2000), Dr Eureta Rosenberg (1990-2000), Mr Andrew Skudder (Murray & Roberts Chair of Environmental Education, 2000-2013), and Professor Heila Lotz-Sisitka (Murray & Roberts Chair of Environmental Education, 2000-2015), has established a leading international research centre in environmental education research on the African continent.
The Chair has produced over two hundred (200) Masters graduates and thirty (30) PhD graduates in environmental education, making this one of the largest Postgraduate programmes of its kind in Africa, and indeed internationally. Masters and PhD graduates of the Chair are providing high level leadership in environmental education, education and environmental sectors and programmes nationally, and internationally. The Chair’s impact can be seen in both national and international scientific system development processes, and in national, regional and international policy and practice.

“One of the strongest contributions of the Chair has been its contribution to education system development in South Africa”, says Professor Lotz-Sisitka. The Chair’s work led directly to the inclusion of an environmental focus in the South African national curriculum, leading to more than twelve (12) million learners being able to engage with these issues annually. The Chair also pioneered the first ever environmental education qualifications in South Africa in the post 1994 period, and led research for the first ever Environmental Sector Skills Plan for South Africa.

The Chair actively supported expansion of environmental education research and praxis in the southern African Development Community, establishing and leading an international certificate course for environmental educators from across the region for more than fifteen (15) years. The Chair also edits the accredited Southern African Journal of Environmental Education and has played various international scholarly leadership roles including scientific Chair of the World Environmental Education Congress when it was held in South Africa in 2007.

The applied, reflexive research and education system building work of the Chair continues, and one of the new projects launched at the 25th Celebration of the Chair is a national Green Skills research programme which seeks to address a re-active approach to skills development planning for green economy and society in the post-schooling sector.

The most important contribution of the Chair, however, is the model of scholarship that it has developed, supporting scholarly communities to conduct engaged research and develop social and expansive learning practices across the southern African region and more widely.

The 25th Celebration of the Chair also saw the launch of a new Routledge book produced out of the Chair’s research entitled “Critical Realism, Environmental Learning and Social-Ecological Change” which was co-edited by Professor Lotz-Sisitka and Dr Leigh Price a Postdoctoral Research Fellow associated with the Chair. It also saw the announcement of a new SARChI Chair to complement this Chair and a new International Social Science Council research programme focussing on Transformative Learning in Times of Climate Change.

Dr Bruce Brown
Head of Department


Peer-reviewed Proceedings

Ashela, E.N., Ngcoza, K. and Enghono, A.M.

Graven, M., Stott, D.A., Mohu, Z. and Ndlonzengi, S.

Hebe, G.

Hebe, G.

Kangela, N.C. and Schafer, M.

Kuhlane, Z. and Ngcoza, K.

Mukwambwo, M. and Ngcoza, K.

Narayan, A.E. and Schafer, M.

Ngcoza, K.

Pausigere, P.

Robertson, S.A.

Schafer, M.


Singa, L. and Graven, M.

Stott, D.A.

Chikiwa, C., Ngcoza, K. and Enghono, A.M.

Mukwambwo, M., Ngcoza, K. and Enghono, A.M.

Mukwambwo, M., Ngcoza, K. and Enghono, A.M.

Nkodemus, K.S. and Ngcoza, K.


Olffit, L.L., Olffit, L.L., Power behind the words: an argument to attend to environmental discourses in environmental education programmes. 33rd International Conference of the Environmental Education Association of Southern Africa (EEASA). Esibayeni Lodge, Matsapha, Swaziland. September 2015.

Olffit, L.L., Olffit, L.L., From a plan to a publication; Writing papers for the EEASA Journal. 33rd International Conference of the Environmental Education Association of Southern Africa (EEASA). Esibayeni Lodge, Matsapha, Swaziland. September 2015.


Weaver, K.N., Weaver, K.N., Exploring the communication channels and processes between learning network partners that form around agricultural activities in rural Eastern Cape. 33rd International Conference of the Environmental Education Association of Southern Africa (EEASA). Esibayeni Lodge, Matsapha, Swaziland. September 2015.
In 2015 the Department produced three (3) book chapters, sixteen (16) academic articles and fifteen (15) conference papers.

There are two funded research projects in the Department:
- Seddon, Deborah. Digital Archive of South African Orature. (British Academy Newton Advanced Fellowship).

The Department attracted two Postdoctoral students in 2015:

Postgraduates / Graduations

PhD graduations in 2015:

MA graduations in 2015:
- Cairns, Robert. The ethics of Misanthropy. Supervisor: Dr Jamie McGregor.

Distinguished Visitors / International Visits

Two international scholars of note were invited to a conference hosted by the Department:
- Phiri, Aretha. The (Im)possibility of Reparation in Toni Morrison’s Beloved and Antjie Krog’s Country of My Skull. Repairing the Past, Imagining the Future: Reparations and Beyond. Edinburgh University, UK.

Significant Research Aligned Events

As usual, research seminars were presented throughout the year by staff, students and visiting academics.
In July 2015 the Department hosted the biennial conference of the Association of English Teachers of South Africa Conference (AUETSA), the theme of which was Environment, Race and Land Use. In November 2015 the Department hosted a colloquium on Nostalgia, Disenchantment and the Contemporary Southern African Literary Imaginary.

Professor Dirk Klopper
Head of Department

The Cycle of Knowledge's camera equipment funded by Dr Seddon's two year Newton Advanced Fellowship from the British Academy, which was awarded in 2015. Photo: Department of English

Books/Chapters/Monographs


Other Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Naidu, S.


Peer Reviewed Subsidy-Earning Journal Research Publications

Cornwell, D.G.N.

DEPARTMENT OF ENGLISH


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Locally, Dr. Hunt, presented her works at the University of North-West (Potchefstroom) and Mr. Sieborger presented his works at the University of Cape Town.

Professor Adendorff continued 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.

Professor de Vos was elected president of the Linguistic Society of Southern Africa; Dr. Hunt was elected president of the Southern African Applied Linguistics Association; and Professor Simango continued to serve on the editorial board of the journal: Southern African Linguistics and Applied Language Studies.

Postgraduates / Graduations

There was increased research activity among postgraduate students during this period: more than twenty (20) postgraduate students presented their works during Postgraduate Week held at the beginning of September 2015. Significantly, two (2) students presented papers at the World Congress of African Linguistics in Kyoto, Japan. Two (2) MA students obtained their degrees, one of whom obtained a distinction.

Distinguished Visitors / International Visits

The department hosted Dr. Kristina Riedel, an expert in African linguistics from the University of Illinois at Urbana Champaign in the United States of America. In addition the department hosted three (3) Postdoctoral Fellows from the African Humanities Program - Jerry Nwankwegu (Nigeria), Bebwa Isingoma (Uganda) and Amaka Ezeife (Nigeria). These scholars spent periods ranging from six (6) to eight (8) weeks in the department during which they interacted with staff and made presentations at research seminars.

Significant Research Aligned Events

The 4th Southern African Microlinguistics Workshop (SAMWOP-4) was hosted by the department, November 27-29, 2015. The event, which has a specific focus on research in formal linguistics, brought together linguists from as far afield as Japan, the United States of America, and southern African countries.

Professor Silvester Ron Simango
Head of Department
DEPARTMENT OF ENGLISH LANGUAGE AND LINGUISTICS

Books/Chapters/Monographs

Bennett, W.G.


Hunt, S.


Sieborger, I. and Adendorff, R.


International Visits

Bennett, W.G.

Bennett, W.G. The Ohio State University, Columbus, Ohio, United States. Agni labial dissimilation: empirical and theoretical ramifications. Invited colloquium presentation at The Ohio State University. 11 - 14 February 2015.

Bennett, W.G.


Bennett, W.G.

Bennett, W.G. University of British Columbia, Vancouver, Canada. Surface Correspondence: Prospects Beyond Assimilation and Disimilation? Invited colloquium presentation at University of British Columbia. 11 - 15 January 2015.

Bennett, W.G.

Bennett, W.G., Rutgers University, New Brunswick, United States. Plotting the typology of ABC-D systems. Presentation at the Workshop on Formal Typologies in Optimality Theory: Max, Rutgers University. 30 - 31 May 2015.

Bennett, W.G.


Other Publications

Bennett, W.G.


Peer Reviewed Subsidy-Earning Journal Research Publications

Bennett, W.G.


Diemer, M., Van Der Merwe, K. and De Vos, M.


Hunt, S.


Hunt, S. and Hubbard, B.


Lauriks, S., Sieborger, I. and De Vos, M.


Sieborger, I. and Adendorff, R.


Sieborger, I., Van Der Merwe, K. and Adendorff, R.


Simango, S.R.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Bennett, W.G.


Goldstuck, K.H. and Bennett, W.G.
Goldstuck, K.H., Bennett, W.G. and Braver, A. Experimentally assessing length-based noun class prefix alternations in isiXhosa. 8th World Congress of African Linguistics. Kyoto University, Kyoto, Japan. August 2015.

Hunt, S.


Kreusch, D.C. and Bennett, W.G.
Kreusch, D.C., Bennett, W.G. and Braver, A. Disambiguating isiXhosa noun classes with phonotactic clues. 8th World Congress of African Linguistics (WOCAL 8). Kyoto University, Kyoto, Japan. August 2015.

Sieborger, I.

Publications were produced by all academic staff as well as Postdoctoral Fellows and relate to a diverse set of environmental academic areas such as urban greening, natural resource governance, human-environmental change, gender, harvesting of non-timber forest products, land reform, restoration, invasive species, climate change and natural resources and rural livelihoods. 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.

A richness was also added by having three (3) Postdoctoral Fellows in the Department simultaneously in 2015, including Dr Joana Bezerra (Brazil), Dr Sheunesu Ruwanza (Zimbabwe) and Dr Yahia Adam (Sudan) all of whom contributed significantly to our intellectual and productive capacity.

One especially significant research output for 2015 was a Routledge book co-edited by Professor Charlie Shackleton entitled “Ecological Sustainability for Non-Timber Forest Products: Dynamics and Case Studies of Harvesting”. This book is the culmination of several years of work by the editors and international contributors and one of the few comprehensive texts that deals thoroughly with the debates around the sustainable harvesting of forest products.

Conference attendance was again high in 2015 with twenty-five (25) papers and posters presented by staff and students over the year at national and international conferences. Two (2) panel sessions (reported below) were organised.

In addition to these traditional research outputs, the Department also published a number of policy briefs and popular articles (six) as a mechanism to insert our research findings into the wider public domain and to influence policy and practice. The policy briefs are widely shared with key stakeholders and add to the more formal outputs from the research projects we are engaged in.

Professor James Gambiza took his sabbatical in 2015, and produced several research outputs that will appear in publications the next two (2) years, as well as secured a large Global Environmental Fund (GEF5) grant for research on land degradation in the Eastern Cape.

In addition to the GEF5 grant, the Department also secured a multi-million rand grant that will continue over the next eight (8) years from the Department of Environmental Affairs (DEA), Chief Directorate Natural Resource Management (NRM), related to the restoration of the Tsitsa River Catchment (and its tributaries). The Ntabelanga and Laleni Ecological Infrastructure Project (NLEIP) was launched in support of the Umzimvubu Water Project and seeks to restore natural capital and support sustainable land use management. This project,
coordinated by Mr Mike Powell from the Rhodes Restoration Research Group (RRRG), is supporting numerous Postgraduates both in our Department, the Geography Department and IWR. The staff of the Department are also playing a major intellectual role in guiding DEA in the research process and practical implementation of the larger project. Within the NLEIP, the Department is also collaborating with other tertiary institutions such as University of Fort Hare and the University of the Free State.

Another benefit of the DEA project has included new experimental research facilities at the Vakalure facility. The Department is now the owner of a R250 000 propagation tunnel as well as a 300m² shade cloth area for growing trials. This facility is already being used by students for their research.

Postgraduates / Graduations

During 2015, the number of senior Postgraduates studying with the Department stood at a healthy twenty-five (25) Masters and twenty-five (25) PhD students. At the 2015 April graduation ceremony the Department saw twenty-three (23) Honours students, four (4) Masters and two (2) PhD students graduate.

One of the PhD students, Dr Megan Spires, had upgraded from a Master’s degree and still managed to complete her PhD in three years. The other, Dr Gosia Bryja, hailed from and undertook her research in Ecuador - a first for the Department and probably the University. Both students were supervised by Professor Sheona Shackleton.

Distinguished Visitors / International Visits

The Department had several visitors during 2015, some the consequence of long-term collaborations. Visitors included:

- Professor Paul Hebinck from Wageningen University in the Netherlands made several visits to the Department as part of a long-term partnership and is co-supervising a new Masters student with Professor Sheona Shackleton, as well as working on publications with both Sheona Shackleton and Charlie Shackleton.
- Ms Gisèle Sinasson Sanli from Benin spent several months in the Department working with Professor Charlie Shackleton.
- Dr Joanna Nelson then a Postdoctoral Fellow at Stanford University and NatureNet (Natural Capital Project) visited from 12-19 August 2015. During this visit she:
  - Present a seminar entitled “Headwaters to the sea: forests as a filter for freshwater and salt marsh as a filter for the oceans” on 19 August.
  - Guest lectured on the 201 course (Ecological Systems module) on 17 August 2015.
  - Collaborated on research proposal to SANParks (now a project) with Dr Alta de Vos looking at water-related ecosystem services from National parks.
- Professor MartyLuckert, a research collaborator from the University of Alberta, Canada visited from 6 - 10th May 2015 to join a writing retreat to work on publications with Professor Sheona Shackleton. The paper was published.
- Professor Lonnie Guralnick from Roger Williams University in Rhode Island (United States of America) came to spend time (7th-13th March 2015) with the Rhodes Restoration Research Group. Professor Guralnick is working on the genetics and CAM behaviour of Portulacaria afra (spekboom) as well as providing technical guidance on Mike Powell’s PhD research into thicket restoration.
- The Department hosted a project development meeting (TRANSPLACE) for the international call on ‘Transformation’ by the ISSC, after the team was successful in the concept note round. Visitors included: Dr Lummina Horlings, Professor Paul Hebinck (both Wageningen University), Dr Irene Cardosa and Dr I Botelho (both University of Vígsosa in Brazil). Unfortunately the final proposal for this highly competitive call was not successful, but the project design process was written up as a publication - Horlings, L.G. (online). Connecting people to place: sustainable place shaping practices as transformative power. Current Opinion in Environmental Sustainability.

RESEARCH REPORT 2015
The Department took advantage of two international conferences held in South Africa and was well represented at both. At the International PECS conference in Stellenbosch, seven papers were delivered by Departmental staff and students, while at the combined conference of the 56th annual conference for the Society for Economic Botany and the 18 annual conference of the Indigenous Plant Use Forum five papers were given. This was an important, but cost effective way, for profiling the work of the Department, its staff and students in international fora.

Various meetings have been held throughout the year for the NLEIP project. Here, the higher level project workshops hosted by the Department and RRRG are listed. On 21st July the Department and RRRG hosted the Second NLEIP Research Investment Strategy Workshop; on 9th September the INR-IWR collaborative project for DST - planning meeting; and on 25th-26th November the First NLEIP Science-Management Forum Workshop.

Most staff in the Department continue to be actively involved in the SAPECS (Southern African Program on Ecosystem Change and Society) research group, which includes membership of different working groups and shared writing of publications. SAPECS is an international, transdisciplinary research programme that aims to advance stewardship of social-ecological systems and ecosystem services in southern Africa. Various meetings were attended by members throughout the year.

Professor Sheona Shackleton
Head of Department

Books/Chapters/Monographs


Other Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Members of the Honours Class of 2015 working in the vegetable garden they established at the Ezulwini Youth Shelter as part of their community engagement activities.

Photo: Department of Environmental Science

Thondhlana, G.

Thondhlana, G. and Shackleton, C.M.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Bulunga, A.A.L.

Cockburn, J. and Cundill, G.

Cundill, G.

Cundill, G. and Carlos Bezerra, J.

De Vos, A.


George, A.M. and Cundill, G.

Gweda, N. and Shackleton, C.M.


Martens, C. and Shackleton, C.M.

Mjoli, N. and Shackleton, C.M.

Ruwanzu, S. and Shackleton, C.M.


Shackleton, S.


Thondhlana, G.
The department was part of a new arts and social justice initiative titled ‘Emancipating the African Voice in Public Art for Social Cohesion Purposes in South Africa’. This project has seen the Institute for Reconciliation and Social Justice at the University of the Free State partner with Rhodes University and the Nelson Mandela Metropolitan University in inter-university dialogues, creative actions and sector research in the field of arts and transformation. Contributing to this project, the Fine Art Department hosted community dialogues, facilitated public artworks, and convened an Art and Social Justice Colloquium in September 2015, at which five (5) students presented.

Postgraduates / Graduations

The department graduated a strong cohort of eight (8) MFA students - five (5) with distinction. They all presented solo exhibitions as part of their practice as research submissions.

Distinguished Visitors / International Visits

The revered senior South African artist, Dr David Koloane, visited Rhodes University and was recognised through the award of an Honorary Doctorate at the graduation ceremony. Dr Uriel Orlow was a visiting scholar from the University of Westminster in London, United Kingdom. Mr Tembe Shibase was a visiting and exhibiting artist from the University of KwaZulu-Natal (UKZN), Durban.

The Andrew W. Mellon funded Focus Area, Visual and Performing Arts of Africa (ViPPA), extended their Lucid Lunchbox series of lectures with visiting artists and academics, including the chief curator of the National Gallery of Zimbabwe - Mr Raphael Chikulwika.

Professor Maureen De Jager travelled in October 2015 to the United Kingdom to visit Kingston University in London to engage with PhD Research training. Dr Sharlene Khan visited the Rockefeller Centre, New York, United States of America for International Arts Reviewing and also participated in an international visual arts residency programme at Gyeonggi Cultural Centre, South Korea. Professor Dominic Thorburn travelled to China to visit visual arts institutions and for the 9th Impact International Printmaking Conference in Hangzhou.

Significant Research Aligned Events

Ms Christine Dixie exhibited her installation ‘The Binding’ at the Smithsonian National Museum of African Art, Washington, United States of America, as part of Heaven, Hell, Purgatory - the Divine Comedy from the Perspective of Contemporary African Artists. She also exhibited ‘To Be King’ at the Cape Town Art Fair and at the

Dr Sharlene Khan won the Second Prize in Video Art Award for ‘When the moon waxes red’ at Videokunst Förderpreis Bremen in Germany. She also held a solo exhibition titled ‘Nervous Conditions’ at Goldsmiths, University of London, United Kingdom. Dr Khan also presented her research paper Touching and Fondling the Black Body - the Significance of the Blackface Sign in Contemporary South African Visual Arts at the Africa Research Day 2015, School of Oriental and African Studies, London, United Kingdom.

Mr Brent Meistre initiated the Analogue Eye Pop-up Cinema and curated three (3) programs for Infecting the City, Castle
of Good Hope & Company’s Garden, Cape Town. He exhibited solo at the Olievenhuis Gallery, Bloemfontein – showing ‘Sojourn’, his photographic landscapes from Southern Africa, and the stop animation installation ‘Across My Father’s Fault’. He showed ‘The stranger who licked salt back into our eyes’ at the Joyce Yahouda Gallery, Montreal, Canada. Meistre created and co-curated U/TROPIA African video art exhibition for Wiener Festwochen, Kunstheraus Gallery, Vienna, Austria. He also presented his Analogue Eye programs at the Wiener Festwochen and the 18th International Schillertage, Mannheim, Germany.

Dr Phindezwe Mnyaka presented Traversing ethical imperatives in academic and ethnographic settings: Stories from the field at the International Society of Critical Health Psychology at Rhodes University, South Africa. She also delivered The first of signs: symbolism and the realm of abandonment at Red Assembly: Time and Work at the Ann Bryant Art Gallery, East London, South Africa.

Ms Monique Pelser exhibited a solo exhibition titled ‘Conversations with my Father’ on the Main Program of the National Arts Festival.

Professor Ruth Simbao presented the paper Learning Sideways: Struggles of ‘Africanisation’ in the Eurocentric Discipline of Art History at the African Arts Institute Conference on African Tertiary Arts Education at the University of Cape Town. She also presented Decolonising Tertiary Arts Education in Africa at the European League of Institutes of the Arts (ELIA) Leadership Symposium, ‘Dominance, Diversity, Disruption’ at the University of Cape Town. The presentation Walking into Africa in a Chinese Way: Mindful Entry as Counterbalance was made at the Agence Nationale de la Recherche (ANR) project Espaces de la culture chinoise en Afrique, Paris, France.

Professor Dominic Thorburn exhibited on ‘Circumference and Radius: C=2\pi R= Economies of Distance’ at the University of Tennessee, Knoxville, United States of America. He also presented a paper titled ‘The print is mightier than the sword’ at the 9th Impact Intentional Printmaking Conference, China Academy of Art, Hangzhou, China.

Ms Cassandra Wilmut also presented Thinking along Lines of Site and Sight in ‘Treading Soft Ground’ at this conference.

Ms Natalie (Rat) Western was curator and editor of ‘FeedBack Loop’ - a series of six (6) publications over six (6) days for the Infecting the City public art project in Cape Town.

Professor Dominic Thorburn
Head of Department

DEPARTMENT OF FINE ART
Concerts, Exhibitions, Performances, Workshops, Events

Coeetze, C.D.
De Jager, M.S.

Dixie, C.B.

Dixie, C.B.

Dixie, C.B.

Dixie, C.B.

Garisch, M.I.

Khan, S.
Khan, S., Exhibiting Artist. Second Prize Winner in Video Art Award. "When the moon was red". Videokunster Förderpreis Bremer. VOP Bremen, Germany. 15 April 2015.

Khan, S.

Khan, S.

Khan, S.

King, L.E.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Meistre, B.A.

Mnyila, D.

Mumba, P.

Nott, C.
Nott, C., Solo Artist Exhibition. Installation - "Space Station". Grahamstown Railway Station, Grahamstown. South Africa. 28 November 2015.

Nichole, Z.M.N.

Poole, T.K.

Poole, T.K.

Poole, T.K.

Poole, T.K.

Poole, T.K.

Poole, T.K.

Poole, T.K.

Pelser, M.M.

Pelser, M.M.

Pelser, M.M.

Pelser, M.M.

Thorburn, D.

Thorburn, D.

Thorburn, D.

Western, N.A.
Western, N.A., Curator/Editor. FeedBack Loop - Series of 6 publications over 6 days. Infecting the City. Cape Town. South Africa. 9 - 14 March 2015.

Western, N.A.

Western, N.A.

Western, N.A.

Western, N.A.

Western, N.A.

Western, N.A., Glover, D.C.J., Nott, C., and Makandula, S. Participating Artist/Writer. Feedback Loop: Going Up?


Infecting the City. Cape Town. South Africa. 9 - 10 March 2015.


Infecting the City. Cape Town. South Africa. 8 - 9 March 2015.

Creative Writing


Distinguished Visitors


International Visits


Khan, S., Mr AM Joja


International Visits


Khan, S., Mr AM Joja


Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Postgraduates / Graduations

Postgraduates in the Department contribute meaningfully to the life and research productivity of the Department. Honours student, Kathleen Vowles, won best speaker prize at the student conference of the Society of South African Geography, at which research results were presented. Lindie Smith-Adao successfully read for her PhD, while Camilla Kotze, Luveshni Odayar and Elizabeth Rudolph successfully completed their MSc degrees.

Distinguished Visitors / International Visits

The Department of Geography hosted several international guests during 2015. Professor Thembela Kepe (Toronto) was generously funded by the Andrew W. Mellon Foundation for a number of visits investigating land reform, land use conflicts, small town and rural development issues in the Eastern Cape.

Several existing collaborations continued as follows: Professor Per Assmo visited Rhodes University as part of a Linnaeus Palme Programme project, and Dr Arthur Horowitz (US Geological Survey) visited to support research in the field of catchment and fluvial systems. Emeritus Professor Kate Rowntree and Professor Roddy Fox visited Sweden as part of a long-term collaboration funded by the Linnaeus Palme Programme. Professor Fox collaborated with two Finnish counterparts, Ms Johanna Ollila and Ms Johanna Kärki of the University of Turku, Finland Futures Research Centre, on a Southern Africa Nordic Centre (SANORD) project ‘Sustainability Education for Southern Africa’. The Finnish partners visited the Department in February 2015 and collaborative papers on progress with educational simulation were presented at the SANORD conference held at the Namibia University of Science and Technology, Windhoek, in December 2015. The project is continuing into 2016.

Dr Simon Pulley continued to be one of the most active researchers in the Department as a Postdoctoral Research
Fellow, working with Professors Kate Rowntree and Fred Ellery.

Professor Kevin Hall from the University of Northern British Columbia was funded by a Scientific Committee on Antarctic Research (SCAR) Visiting Professorship, and he contributed to Departmental activities in May 2015 through lectures and on the importance of Antarctic Research and hosting a writing workshop for six (6) Postgraduate students involved in Antarctic Research.

Professor Etienne Nel, based at Otago University in New Zealand, visited the Department in December 2015, and will be here until January 2016, participating in research field excursions in the Langloof in which opportunities for local economic development associated with the honeybush industry were investigated.

Books/Chapters/Monographs


Other Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


The year 2015 turned out to be another transitional year for the Department of Geology. Firstly, Geology experienced a second consecutive year of significant and unexpected growth in undergraduate student numbers, manifested as a 100% increase in both second and third year class sizes since about three years before.

At the same time, staff departures for a variety of reasons left us with five (5) vacant academic and senior administrative and analytical posts (out of eight (8), in total) to commence 2015. This combination presented the department with many challenges, in the face of which the department has nonetheless maintained a stable research output in terms of Postgraduate research student development, undergraduate training, and research breadth.

The rebuilding process continues, with hopes that a diverse and forward-looking staff complement will lead us into the next decade.

Postgraduates / Graduations

At the 2015 graduation ceremony, the Department graduated two (2) research MSc students and six (6) MSc graduates from the department’s prestigious Exploration Geology MSc programme, down a bit from 2014 but nonetheless one of our largest ever Postgraduate graduating classes.

In addition, the Department graduated eight (8) Honours and fourteen (14) BSc students, including two (2) from each of these classes having achieved Distinctions in Geology, possibly our most Distinctions at one graduation to date.

Distinguished Visitors / International Visits

Dr Stephen Prevec was invited to contribute as a speaker and session co-convener at the meeting of the quadrennial international PACRIM Congress, held in Hong Kong (China) in March 2015. The meeting also included a field trip to Sichuan Province, where Dr Prevec and some of his colleagues were appointed as Visiting Professors at Panzhihua University, where Dr Prevec then contributed a public lecture on the economic geology of South Africa.

In late 2015, Professor Tsikos and a research student (Mr X. Mhlanga) spent time as visiting researchers at the University of California at Riverside (United States of America), as part of an ongoing collaboration with collaborators there under NASA’s Astrobiology Program "Alternative Earths", and towards Mr Mhlanga’s ongoing PhD research.

Professor Stephen Prevec
Head of Department
COMPOSITE

Books/Chapters/Monographs

Moore, A.E.

Concerts, Exhibitions, Performances, Workshops, Events

Prevec, R.
Prevec, R. Centre of Excellence in Palaeosciences Seminar Series. Evolutionary Studies Institute, Johannesburg, South Africa. 25 August 2015.

International Visits

Prevec, S.A.
Prevec, S.A. Panzhihua University, Panzhihua, China. Field trip and public lecture; appointment as Visiting Professor 22 - 26 March 2015.

Tsikos, C.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Marsh, J.S.

Peer Reviewed Subsidy-Earning Journal Research Publications

Buttner, S.H.


Marsh, J.S.

Moore, A.E.


Prevec, R.


Tsikos, C.

Peer-reviewed Proceedings

Prevec, S.A.
Prevec, S.A. Chronite and PGE coprecipitation by crustal contamination or magma mixing revisited: genetic and exploration implications. PACRIM 2015, Conrad Hotel, Hong Kong, China, March 2015.
Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Iorga-Pavel, A., Costin, G. and Prevec, S.A.

Mhlanga, X.R. and Tsikos, C.

Ntsaluba, B.I. and Prevec, S.A.

Oonk, P.B.H. and Tsikos, C.

Reid, W.K., Buttner, S.H. and Cranswick, R.V.

Dr Eugene Grosch was a newly appointed staff member in the Department of Geology in 2015.
Photo: Nicola Mcloughlin


Prevec, R.

Prevec, R.

Rafuza, S., Tsikos, C. and Oonk, P.B.H.
Postgraduates / Graduations
During 2015 there were a total of twenty-seven (27) Postgraduate students registered in the Department. This number comprised twelve (12) PhDs, eleven (11) MAs and four (4) Honours students. Two PhDs were awarded in 2015. Tessa Edlmann's thesis was titled, "Negotiating historical continuities in contested narrative terrain: A narrative-based reflection on the post-apartheid psychological legacies of conscription into the South African Defence Force", supervised by Professors Gary Baines and co-supervised by Lindy Wilbraham (Department of Psychology). Simone Kerseboom's dissertation was on "Pitied plumage and dying birds. The public mourning of national heroines and post-apartheid foundational mythology construction", and was supervised by Professor Gary Baines.

Honours graduate, Gemma Barkhuizen, was the recipient of the prestigious Flanagan Scholarship and will read for an MA at Durham University in the United Kingdom.

Distinguished Visitors / International Visits
The Department hosted Distinguished Visiting Professor, Peter Linebaugh, from 22 July to 1 September 2015. A world-renowned historian, Linebaugh is perhaps best known as the co-author (with Marcus Rediker) of The Many Headed Hydra: Sailors, Slaves, Commoners and the Hidden History of the Revolutionary Atlantic (2000). As is evident from the citations in the report below, Professor Linebaugh had a hectic schedule of public lectures and other engagements, that included presentations to the Departments of History at the University of Cape Town (UCT) and Stellenbosch, as well as the WITS History Workshop.

Linebaugh still managed to find time to finish a draft on his new book that attempts to develop the concept of the commons and promises to be a significant contribution to their field of social and labour history. Professor Gary Baines was invited as a Visiting Professor to the University of Toulouse - Jean Jaurès, France where he taught classes on South African history and literature. He also presented the keynote address at a conference called ‘Remembering the Struggle: South Africa, Apartheid and After’ on the same campus.

Craig Paterson, a PhD student, presented a paper at a Law Conference at Cambridge University in July 2015.

Significant Research Aligned Events
Professor Linebaugh’s participation in an interdisciplinary Postgraduate workshop 'Class, Colonialism and the Commons: the case of Southern Africa' generated significant interest amongst Rhodes staff, Postgraduates and community intellectuals. Participants agreed to establish a broad network of people interested in work on the commons and to develop papers for publication (a possible book and a series of more popular articles).

Professor Gary Baines
Head of Department
DEPARTMENT OF HISTORY

Books/Chapters/Monographs


Concerts, Exhibitions, Performances, Workshops, Events


International Visits


Other Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


The first event organised by the newly-formed Ikhumbuzo Applied History Unit was a session with Pieter Dirk Uys (3rd from left) at the Dakawa Arts Centre on ‘The Role of Comedy in Dealing with a Painful Past’. 6 July 2015. Photo: Professor Julie Wells.
Introduction

Andrew Todd was elected onto the International Ergonomics Association (IEA) executive committee and will serve a three (3) year term. The last time the department, and indeed South Africa, had a position on the executive was by Professor Pat Scott.

Dr Swantje Zschernack spent six (6) months at Tongji University in China as a visiting lecturer as part of her sabbatical in the first half of 2015.

Postgraduates / Graduations

The highlight for our Postgraduates was the fact that six (6) of them were honoured for their research publications at a dinner hosted by the Vice-Chancellor, Dr Mabizela - these students included Jonathan Davy, Robert Jones, Travis Steenekamp, Ethan Berndt and Ben Ryan who have all produced at least one (1) journal publication and/or won a best paper award at a conference. Particularly noteworthy is that PhD candidate, Lee Pote, was acknowledged for two (2) journal publications - one at the end of 2014 and, the other, at the beginning of 2015.

David Goble won the best student paper at the South African Sports Medicine Association Congress which was held in Johannesburg for work relating to his PhD. Other Human Kinetics and Ergonomics (HKE) Postgraduates who presented at this conference include PhD candidates Lee Pote and Robert Jones and MSc students Matthew Clark, J essie Pearson, Stacy Nelieenman and Ben Ryan. Jonathan Davy also won best paper at the 2nd African Symposium on Human Factors and Aviation Safety. The conference was also attended by Zandi Hoyi, an MSc student and Dr Zschernack.

Dr Janet Viljoen, our Postdoctoral Research Fellow, and J essie Pearson (MSc student) presented their work at the Biennial Congress of the International Society of Health Psychology which was held here in Grahamstown. Dr Viljoen also presented at the Young Scientists conference.

Distinguished Visitors / International Visits

The department had the pleasure of hosting Professor J ulia Goedecke and Dr J ames Brown who presented at our research seminars. Professor Goedecke works for the Medical Research Council of South Africa and for the Exercise Science and Sports Medicine (ESSM) Research Unit at the University of Cape Town. Dr Brown is a Postdoctoral Research Fellow at ESSM. Professor Goedecke presented on ethnic differences and obesity while Dr Brown presented on injuries within Rugby Union.

Significant Research Aligned Events

The department produced three (3) peer-reviewed journal publications all co-authored with Postgraduate students. We were also widely represented at various national and international conferences also with a large student contingent. Professor Christie, Lee Pote and David Goble all presented papers at the World Congress of Science and Medicine in Cricket which was held just prior to the Cricket World Cup in Sydney, Australia. Professor Christie was also invited to present on injury statistics within South African cricket at a pre-congress workshop where representatives from each cricket playing country presented their injury statistics. The conference was preceded by a research visit to Professor Frank Marino’s laboratory at Charles Sturt University in Bathurst, New South Wales. The three were fortunate to attend a quarter final, semi-final and the final game of the Cricket World Cup.
Professor Goebel, Dr Zischemann and Miriam Matlson all presented papers at the International Ergonomics Association Congress which was held in Melbourne, Australia.

Andrew Todd presented at the International Conference on Humanizing Work and Work Environment in Mumbai, India in December 2015 as part of his work for the IEA.

Professor Candice Christie
Head of Department

Staff members Jonathan Davy and Dr Swantje Zschernack, with MSc student Zandile Hoyi, presented at the Second African Symposium on Human Factors in Aviation Safety, with Jonathan Davies winning the Best Paper Award.

Photo: Department of Human Kinetics and Ergonomics

Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Performance.

Batsmen during a simulated one day international century: Impact on Medicine

16th Biennial congress of the South African Association of Sports Medicine

impaired workers.

Specific Hamstring Intervention in Black Amateur South African Players.

South African Association of Sports Medicine

Viljoen, J.E., Christie, C.J.

Ryan, B. and Todd, A.I.

Nellemann, S.A., Davy, J.P. and Christie, C.J.

Nellemann, S.A., Davy, J.P. and Christie, C.J.


Pearson, J.T., Lambert, E.V. and Micklefield, L.


Pearson, J.T. and Gobell, M.

Pearson, J.T. and Gobell, M.


Pearson, J.T. and Gobell, M.


Pote, L. and Christie, C.J.

Pote, L. and Christie, C.J.


Pote, L. and Christie, C.J.

Physiological and perceptual responses of batsmen during a simulated one day international century: Impact on performance. 5th World Conference of Science and Medicine in Cricket. KC, Sydney, Australia. March 2013.

Remsing, S.C., Viljoen, J.E. and Christie, C.J.

Remsing, S.C., Viljoen, J.E. and Christie, C.J.


Ryan, B. and Todd, A.I.

Ryan, B. and Todd, A.I.


Viljoen, J.E. and Christie, C.J.

Viljoen, J.E. and Christie, C.J.


Zschernack, S. and Tlhoaele, K.C.


Zschernack, S. and Tlhoaele, K.C.


Zschernack, S. and Tlhoaele, K.C.

The SAIAB research staff participated in thirty (30) of the student research projects in 2015, either as the primary or co-supervisor. In addition to the direct contribution of its staff, it is the strategic relationship that members of the DIFS staff have developed with various national, regional and international institutions, which contributes to the productivity of the department.

Towards the end of the year we welcomed Dr. Wilbert Kadye who has joined the DIFS on a five-year contract, and will be involved in teaching, research and administration.

Distinguished Visitors / International Visits

Professor Warwick Sauer and Professor Kevern Cochrane visited Brazil as part of a multinational research project on climate change and its impact on fisheries. Professor Sauer also visited Japan for a meeting of the Cephalopod International Advisory Council, and he and Dr Cliff Jones entered into discussions with Dalhousie University in Canada on future collaborative courses on fisheries and aquaculture.

Professor Warren Potts continued his research work in Angola during the course of 2015, which included collaboration with scientists from the University of Agostinho Neto, the Ministry of Fisheries (Angola) and the University of Tromsø (Norway). His recreational fisheries research continued in collaboration with scientists from Carleton University, Canada and the Humboldt University of Berlin, Germany.

Dr Cliff Jones represented the DIFS at numerous meetings oversees as part of the multi-national/institutional program (South Africa, Uganda, Kenya and Malawi) aimed at improving regional PhD curricula in aquaculture and fisheries science research (Edulink II) and further developed collaborative links when he visited Newcastle University in the United Kingdom (JJK). In addition to this, our staff attended numerous international conferences in their various fields of research.

The Department of Ichthyology and Fisheries Science (DIFS) had an excellent year with seventy-three (73) Postgraduate students presenting their research outputs at the DIFS end of year seminars in 2015. The small staff/Postgraduate-student ratio was made possible due to the strategic partnerships that DIFS has developed over the years, the most significant of which is its association with the South African Institute of Aquatic Biodiversity (SAIAB).
**DEPARTMENT OF ICHTHYOLOGY AND FISHERIES SCIENCE**

**Significant Research Aligned Events**

Professor Warwick Sauer carried out research into recreational fisheries in collaboration with South Africa’s Rock and Surf Super Pro League (RASSPL) and continued with his climate-change work in Angola along with Dr Amber Childs.

Professors Warwick Sauer and Kevern Cochrane continued their fisheries and climate change research in 2015, and Professor Sauer joined the research diving team in Angola for two (2) weeks to assist in the diving operations and conducted field research on squid in St Francis Bay.

Professor Cochrane also worked on fisheries management and policy in South Africa during the year, working with World Wide Fund (WWF) on an economic valuation of the small-scale fishery in Kleinmond and on an analysis of the South African Marine Living Resources Act.

Professor Peter Britz headed his research program into abalone reseeding and developing technologies for freshwater crayfish farming. He also completed a Water Research Commission (WRC) research programme on inland fishery governance and facilitated the drafting of an inland fishing policy for the Department of Agriculture, Forestry and Fisheries. Together with Drs Cliff J ones and Tom Shipton, Professor Britz also continued with their abalone and koi nutrition research programs in collaboration with the abalone and marine fishfing farming industries in South Africa, with numerous students based at the farms.

Dr Jones furthered his collaboration (co-supervision of United Kingdom student) with Newcastle University in developing sea cucumber farming technologies. Dr Jones also continued his research into beneficiation of brewery effluent and its linkages with aquaculture and agriculture, and worked closely with colleagues from the Environmental Biotechnology Research Institute (EBRU) on this project. Dr Jones also developed a new collaborative link with Professor Mark Laing (African Centre for Crop Improvement, UKZN).

Professor Horst Kaiser and Dr Clifford Jones carried out various research projects aimed at improving abalone farm technologies (i.e. larval settlement of South African abalone and optimizing abalone farm stocking densities), also, in close collaboration with the abalone farming industry. Professor Kaiser continued his collaboration with SAIAB researchers on invasive species behaviour and their functional responses, and this resulted in one publication in 2015. Professor Kaiser also collaborated with Professor Pott’s group on research into dusky kob physiology.

Dr Amber Childs continued her research on the movement behaviour and ecology of various estuarine-marine fishes in collaboration with Dr Tor Naesje and Dr Ola Diserud from the Norwegian Institute for Nature Research, Trondheim, Norway, and Professor Cowley and Dr Bennett from SAIAB.

**Professor Warwick Sauer**
Head of Department

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**Peer Reviewed Non-Subsidy-Earning Journal Research Publications**


**Peer Reviewed Subsidy-Earning Journal Research Publications**


Duncan, M.


Ellender, B.R.


Elton, C.


Filmanter, J.D., Cowley, P.D. and Forget, F.G.


Forget, F.G. and Filmanter, J.D.


Götz, A.


Kaiser, H.


Kemp, J.O.G.


Lipinski, M.R.


ACS

Murray, T.S.


Parkinson, M.


Peel, R.A.


Potts, W.M.


Potts, W.M. and Götz, A.


Robinson, G. and Jones, C.L.W.


Shaw, P.W.


Taylor, G.C.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Professor Khene was also presented with the Commerce Faculty's Researcher of the Year award based on her research contribution during the previous academic year, while Professor Krauss joined Professor Khene in achieving an National Research Foundation (NRF) Y2 rating.

Professors Foster, Krauss and Khene together with other academic staff, postgraduate students and distinguished visitors, contributed significantly to the number research publications and peer reviewed proceedings. Contributions from visiting academics are always greatly appreciated as they add richness to the research efforts in the Department.

Postgraduates/Graduations

Postgraduate registrations in Information Systems continued to grow in 2015, with a total of eight (8) PhD candidates, fourteen (14) Masters candidates, and a class of thirty-two (32) Honours students. In April 2015 we celebrated the graduation of three (3) Masters and twenty-one (21) Honours students.

Distinguished Visitors/International Visits

Distinguished visitors to the Department included Dr Adele Botha and Professor Marlien Herselman from the Meraka Institute, Professor Nic Hassan from the University of Minnesota, Professor Ojelanki Ngwenyama from Ryerson University, Professor Sue Conger from the University of Dallas, and previous Head of Department Professor Malcolm Sainsbury who returns every year to teach on the Honours programme. Research Associate Ms Brenda Mallinson continued to contribute to the research efforts of the Department, with a number of conference presentations in the field of eLearning.

Significant Research Aligned Events

Students and staff from the Department once again participated in the Research Rumble, which is an annual event showcasing research initiatives being undertaken by members of the Information Technology (IT), Computer Science (CS) and Information Systems (IS) Departments of Rhodes University, Nelson Mandela Metropolitain University, Water Sisulu University and the University of Fort Hare.

The continuing MobiSAM project aims at improving local municipal service delivery, while the ICT4RED project aims to supply electronic textbooks to rural schools in the Cofimvaba district in the Eastern Cape. A new collaborative project with the University of Limerick focuses on stakeholder engagement in the field of ICT for Development.

Postgraduates/Graduations

In addition to presenting research papers at local and overseas conferences, IS Department staff contributed to their discipline as journal editors, conference reviewers and panel members, and external examiners for other academic institutions.

Mrs Lydia Palmer
Head of Department
Concerts, Exhibitions, Performances, Workshops, Events


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Mnjama, J.J. and Foster, G.G.
Towards a security evaluation framework for the protection of personal health information in mobile health applications. SAICSIT 2015: M&D Symposium. Stellenbosch University, Stellenbosch, South Africa. September 2015.

Nash, J.M. and Krauss, K.E.M.

Oridota, O.O. and Foster, G.G.
Towards a framework to guide the development of smartphone behavioural change mobile health applications. SAICSIT 2015: M&D Symposium. Stellenbosch University, Stellenbosch, South Africa. September 2015.

Osah, U.J. and Khene, C.

Simuja, C. and Krauss, K.E.M.
Transformative ICT education practices in rural high schools in the Eastern Cape: Providing knowledge relevant for developmental needs and Realities. SAICSIT 2015: M&D Symposium. STIAS Waterkloof Centre, Stellenbosch, South Africa. September 2015.

Simuja, C., Krauss, K.E.M., and Congec, S.

Thomson, C. and Nash, J.M.
Significant Research Aligned Events

Book contributions by staff were notable, particularly the publication *Antjie Krog and the Post-Apartheid Public Sphere: Speaking Poetry to Power* written by Professor Anthea Garman, which won the Vice-Chancellor’s Book Award for 2015.

In addition, Professor Lorenzo Dahit contributed two chapters to ICTs for Inclusive Communities in Developing Societies published by Cambridge Scholars Publishing. Gillian Rennie’s chapter *Double Vision: Profile of a Profile* was published in *The Profiling Handbook*.

Professor Harry Dugmore authored a report which was published by the Academy of Science of South Africa called *Diversity in Human Sexuality: Implications for Policy in Africa*. The report covers key areas around the field of sexuality and aimed to provide clarity on many of the complex key points on the subject. The report aims to provide an up-to-date overview of the state of current biological, socio-psychological, and public health evidence and assess how this supports or contests the key arguments made in favour of new laws in the area. In addition, Professor Dugmore contributed to the online publication *The Conversation* with his article ‘Why anti-gay sentiment remains strong in much of Africa’.

The department made a significant contribution (its largest ever) to the biggest local communications and media studies conference in South Africa (SACOMM), with eight (8) staff members (Anthea Garman, Lynette Steenveld, J. earne Prinsloo, Rod Amner, Priscilla Boscioff, Alette Schoon, Brian Garman, Kayla Roux; two (2) Postdoctoral Research Fellows (Vanessa Malla, Niksinthando Mjoli), and ten (10) students (MA and PhD students) having attended and all presented at the South African Communications Association (SACOMM) conference held in Cape Town in October 2015.

Other notable conference presentations include those made by Anthea Garman and MA student Ray Hartle who attended and presented their work at the International Association of Media Communications Research (IAMCR) conference held in Canada. Both these members of the Media and Citizenship Project presented work which interrogates key notions around citizen identity, listening and the media in a South African context.

Anthea Garman attended and presented her work on ‘Becoming English through reading: a white girl’s experience in apartheid South Africa of the 1960s and 1970s’ at a conference hosted by the University of Sydney called *The private lives of Empire: Intimate histories of the settler colony, 1800 to the present day*.

Alette Schoon attended and presented her work at the HSRC-organized conference called *Rhythms of Life: Youth and popular culture in a changing South Africa*.

Vanessa Malla was invited to attend the Kettering Foundation’s Deliberative Democracy Workshop (DDW) held in Dayton, Ohio.

DDW brings together scholars, journalists, community leaders, and civil society practitioners that use a range of strategies designed to improve civil society by encouraging citizen participation and advancing knowledge of democratic practices.

The Media and Citizenship Project hosted a colloquium at University of Cape Town (UCT) aimed at gathering together authors of the book being edited by the project co-ordinators Professor Anthea Garman and Professor Herman Wasserman (UCT). The book will be published by HSRC Press in 2016, and will theorise media and citizenship, problematising the concepts within a South African context with contributions from predominantly South African scholars, as well as international experts in the field. The colloquium brought together authors to present their chapter contributions to the editors and other authors.

The School produced its 35th edition of *Rhodes Journalism Review* (RJR), which provided a forward looking and reflexive look at journalism through some key contributions to the field by researchers, academics, journalists and photographers.

The release of the RJR coincided with the 19th Annual Highway Africa Conference, held under the theme ’Journalism and the City’. As in past years, Highway Africa hosted pre-conference workshops including council meetings of the African Editors Forum, and the South African National Editors Forum. The
conference programme was packed with talks, workshops, plenary discussions and debates by academics, journalists, researchers, educators, editors and students. In 2015 Mr Rod Amner and Professor Louise Vincent received National Research Foundation (NRF) funding for the Pedagogy of Place research project, an exciting venture which pairs research with community engagement projects in the city of Grahamstown.

Professor Larry Strelitz
Head of School

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### Books/Chapters/Monographs


### Concerts, Exhibitions, Performances, Workshops, Events

- Schoon, A. Invited speaker. We don’t do swagga: No hop in Grahamstown as resistance to cultures of crime and consumerism. UWC Teaching and Learning: The scholarship of teaching and learning and socially just pedagogies seminar series, University of the Western Cape, Bellville, South Africa. 28 August 2015.

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SCHOOL OF JOURNALISM AND MEDIA STUDIES

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**Books/Chapters/Monographs**


**Concerts, Exhibitions, Performances, Workshops, Events**

- Schoon, A. Invited speaker. We don’t do swagga: No hop in Grahamstown as resistance to cultures of crime and consumerism. UWC Teaching and Learning: The scholarship of teaching and learning and socially just pedagogies seminar series, University of the Western Cape, Bellville, South Africa. 28 August 2015.

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SCHOOL OF JOURNALISM AND MEDIA STUDIES
Other Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Introduction

Our contribution includes the successful completion of research theses by Postgraduate students, delivery of lectures and presentations at national and international conferences and colloquia, participation in seminars and workshops, and the publication of peer reviewed and non-peer reviewed chapters and articles in national and international journals.

Overall, our contribution for 2015, with the graduation of two (2) Postgraduate students, four (4) book chapters, three (3) peer-reviewed non-subsidy earning publications, ten and a half (10.5) subsidy earning peer-reviewed journal publications, twenty-four (24) conference papers and a number of other engagements, exceeded our contribution in previous years.

The steady increasing involvement of members of the Law Faculty in producing and disseminating knowledge to their peers, nationally and internationally, is encouraging and it affirms the Law Faculty’s commitment to the teacher-scholar model of Rhodes University.

Postgraduates / Graduation

In April 2015, two (2) candidates graduated with Postgraduate degrees in law. Ms Phoebe Oyugi graduated with a LLM-degree on international criminal law (supervised by Professor Laurence Juma), while Ms Hetta van Niekerk (supervised by Dr K Muller, Research Associate) was admitted to the PhD degree for a thesis entitled ‘Determining the competency of children with developmental delays to testify in criminal trials’.

A total number of seven (7) LLM candidates and one (1) PhD candidate were registered for studies in the Faculty in 2015. Postgraduate students participate in Faculty research activities.

Distinguished Visitors / International Visits

The Deputy Dean, Professor Laurence Juma delivered the keynote address to the 16th Meeting of the UN Working Group of Experts of People of African Descent in Geneva, Switzerland, and a distinguished lecture at the Fredrick K Cox International Law Center at Case Western Reserve University Law School in the United States of America.

Significant Research Aligned Events

In 2015, our Visiting Professors delivered public lectures on a range of topics. Judge Clive Plasket addressed the regulatory powers of national sporting bodies, while Mr Max Bogwana took a closer look at the law and politics of the Al-Bashir judgment. Ms Winnie Madikizela Mandela’s claim to her former husband’s family home in Qunu was addressed by Professor Digby Koyana, and Advocate Wim Trengove SC delivered a well-received lecture entitled ‘The clash of equality and religion rights: De Lange v Presiding Bishop of the Methodist Church of Southern Africa’.

Additionally, regular staff seminars continued and distinguished visitors to the Faculty, including Professor Chucks Okpaluba, Visiting Professor, College of Law, University of South Africa and adjunct professor, Nelson Mandela School of Law, University of Fort Hare, Professor Makau Mutua from Buffalo Law School, New York, United States of America and Professor Tinyanjana Malua from Pennsylvania State University, United States of America and our Visiting Professor, Professor of Law and Director of the Strathclyde Law Clinic, Donald Nicolson OBE, presented seminars to staff.

Professor Rosaan Krüger
Head of Department
Books/Chapters/Monographs


Concerts, Exhibitions, Performances, Workshops, Events


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


DEPARTMENT OF MANAGEMENT

The Department of Management during 2015 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 and PhD programme.

Postgraduates / Graduations

During 2015, fourteen (14) Masters students and four (4) PhD students were registered in the Department. Of these, four (4) Masters students will graduate at the 2016 graduation ceremony.

Distinguished Visitors / International Visits

International visits by staff members of the Department took place during the year. This included Professor Lynette Louw and Mr Theus Louw who lectured at the Shanghai University of International Business and Economics (SUIBE) in Shanghai, China. Messrs Theus Louw and Hans-Peter Bakker also lectured in the Summer School programme at the University of Utrecht in Utrecht, Netherlands.

Significant Research Aligned Events

Mr Maritz contributed a chapter to a Logistics Management textbook. Staff also presented their research at local conferences and published their research work in a journal.

Professor Lynette Louw was pleased to share that her research project entitled “Chinese organizations in Sub-Saharan Africa: New dynamics, new synergies”, previously funded by the Sandisa Imbewu funding from Rhodes University, is currently being funded by the National Research Foundation (NRF) for a three (3) year period.

The data collected from Chinese organisations in South Africa, Uganda, Tanzania, Cameroon and Kenya is currently being disseminated by means of national and international conference papers and publications. To date eleven (11) conference papers have been delivered.

Further contributions will be made in a monograph entitled “Chinese Organizations in Sub-Saharan Africa: New Dynamics, New Synergies”. Editors of the monograph include: Terence Jackson, Lynette Louw, D. K. (Roshan) Boojihawon and Tony Fang with a foreword by Shuming Zhao, Dean, at Nanjing University Business School.

It is pleasing that three (3) PhDs, six (6) Master’s students and three (3) groups of honours students have been registered under the auspices of this project. Two (2) honours students and two (2) of the three (3) Master’s students have graduated with distinctions.

A further development was the establishment of a “China/Africa Higher Education Institution Consortium” which is a collaboration between the five (5) South African Universities and five of the top universities in China to further research and project collaboration between China and South Africa, especially contributing towards achieving the goals of the Forum on China-Africa Cooperation (FOCAC) as outlined in the Johannesburg Summit in December 2015.

Mr Trevor Amos
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


Peer-reviewed Book of Abstracts and Conference Presentation

The department is actively engaged in a number of fields of research in both pure and applied mathematics. These include functional analysis, measure theory, geometric control, matrix Lie groups, graph theory, non-autonomous dynamical systems, machine learning, computational astrophysics and relativistic cosmology. This work is supported by a growing number of graduate students and Postdoctoral assistants who contribute to a lively research environment, including weekly journal clubs and a regular seminar series.

Postgraduates / Graduations
The department supervised three (3) Masters and seven (7) PhD students during 2015, a number of them through competitive external scholarships.

Three of our PhD students successfully graduated. Ross Adams’s thesis, supervised by Dr Claudiu Remsing and co-supervised by Dr William Holderbaum (Reading), was titled, “Contributions to the study of a class of optimal control problems on the orthogonal groups SO(3) and SO(4)”. Rory Biggs was supervised by Dr Claudiu Remsing and co-supervised by Professor Peter Nagy (Budapest). His thesis was on “Invariant control systems and sub-Riemannian structures on Lie groups: Equivalence and isometries”. Matiki Talwanga’s thesis was on “Counting of finite fuzzy subsets with applications to fuzzy recognition and selection strategies”, supervised by Professor Venkat Murali.

During 2015, we were joined by a new Postdoctoral assistant, Dr Bishop Mongwane, who is recently graduated from University of Cape Town (UCT), who was working on applying the techniques of numerical relativity to cosmological models of structure formation. Subsequently, Dr Mongwane has been offered and accepted a lectureship at UCT, and we congratulate him on his success and look forward to continued fruitful collaborations.

Distinguished Visitors / International Visits
Our academic staff made research visits to Germany, Hungary, Romania, Slovenia, Spain, Sweden and the United Kingdom. We also hosted guests from collaborators in Hungary, Belgium and the United States of America who participated in our local seminar series for staff and students.

Significant Research Aligned Events
Professor Larena served on the scientific organizing committee of the international “Dark Side of the Universe” conference in Cape Town.

Dr Remsing continued his participation in the Marie-Curie funded LIE-DIFF-GEDM programme, involving collaborators from Italy, Hungary, Czech Republic, with travels to Europe during June 2015 and July 2015.

The department became a member of the National Astrophysics and Space Science Programme, based at UCT. This will allow us to deliver graduate courses and attract graduate students from the broader astrophysics community in South Africa.
Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Peers-reviewed Proceedings


Larena, J. and Hees, A. Basics of the Pressure. 2015 Gravitation: 100 years after GR. La Thullie, Assia Valley, Italy: March 2015.


The Department presented a number of successful concerts in the annual Rhodes University (RU) concert series in 2015. Local, national and international performers graced the Department’s stage with their musical presences. In order to raise the Department’s profile on a national level, as well as to provide Rhodes staff and alumni with a performance platform, the Department introduced a new series of concerts in collaboration with the 2015 National Arts Festival.

Three (3) chamber staff concerts, in which eight (8) staff members performed, and five (5) solo alumni performances were presented to high critical acclaim.

Three (3) staff members were involved in international ventures in 2015: Dr Jeffrey Brukman presented a paper entitled African-Western Dialogues: Bongani Ndodana-Breen’s “Emhlabeni” at the Musical Dialogues conference held at the Sydney Conservatorium of Music, Australia; Ms Daniela Heunis presented a paper entitled Tintinyane, being from Africa at the Cultural Diversity in Music Education XII conference held at the Music Department, Sibelius Academy, Helsinki, Finland; Professor Catherine Foxcroft served on the jury for the first round of the UNISA International Piano Competition in Pretoria.

Professor Catherine Foxcroft
Head of Department

The Department of Music and Musicology enjoyed another year focused on staff and student creative outputs, teaching and learning, and research.

Concerts, Exhibitions, Performances, Workshops, Events

Brukman, J.J.
Brukman, J.J.
Brukman, J.J.
Brukman, J.J.
Brukman, J.J.

Brukman, J.J.

Brukman, J.J.

Brukman, J.J.

Brukman, J.J.

Brukman, J.J.
Collaborative pianist. Hogsback Arts Festival. Recital: Gwynethloyd Lloyd (voice), Devon Florence (voice), Kay Mosiane (voice), Kamogelo Sepotsokile (voice), Raymond Ndihlou (voice), Daniel Lulu (voice) and Jeffrey Brukman (piano). Fivaz Residence, Hogsback. South Africa. 22 November 2015.

Brukman, J.J.
**Composite**

**National Arts Festival Shows in the Beethoven Room**

Grahamstown, South Africa. 3 July 2015.

Chameleon Trio: Bridget Rennie-Salonen (flute, SA), Sarah Burnett (bassoon, UK) and Catherine Foxcroft (piano, SA). Stirling High Concert Hall, East London, South Africa. 13 February 2015.


**Department of Music and Musicology**

**Distinguished Visitors**

Brukman, J.J.


**International Visits**

Brukman, J.J.

Brukman, J.J, University of Newcastle, School of Creative Arts, Conservatorium of Music, Newcastle, Australia. Guest Lecturer. 3 - 7 October 2015.

**Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)**

Brukman, J.J.


Heunis, D.

Heunis, D, Tintinyane, being from Africa. Cultural Diversity in Music Education XII. Music Department, Sibelius Academy, Helsinki, Finland. January 2011.
Distinguished Visitors / International Visits

On 14 May, 2015 ILAM, with the US Embassy and the Unit for Zimbabwean Studies hosted ‘Women and their Songs’ a seminar featuring rapper, poet, spoken word artist Dessa from the USA and singer, songwriter, mbira player, Hope Masvike, from Zimbabwe in conversation about their work as female artists and how they manage their international careers. On 4 July 2015 ILAM hosted an opening/preview of the newly created display of its instrument collection and a 60th Anniversary “Celebrating African Music” Concert in the Great Hall at the National Arts Festival that enjoyed a sold out audience. United States Ambassador to South Africa, Mr Patrick Gospard spoke at the opening event, commenting that providing the grant for preservation of ILAM’s instrument collection from the US Ambassador’s Fund for Cultural Preservation was one of the easiest and best decisions he has made as Ambassador. Andrew Tracey presented Ambassador Gospard with a specially engraved kalimba. Both the instrument collection preview and concert were a great success.

Significant Research Aligned Events

Director, Professor Diane Thram, was an invited presenter at the multidisciplinary “Memory, Power and Knowledge in Africa and Beyond” conference at the Dhow Countries Music Academy, Zanzibar, in June 2015. She presented on ILAM’s Repatriation Project in Digital Return and Re-study of Hugh Tracey’s Field Recordings. Immediately before and after the conference she carried out field research interviews with descendants of musicians and community members to digitally return and restudy Hugh Tracey’s recordings made in Zanzibar in June 1950.

In September 2015 she presented at the Society for Ethnomusicology (SEM) - International Council for Traditional Music (ICTM) Joint Forum: Transforming Ethnomusicalogical Praxis through Activism and Community Engagement at the University of Limerick, Limerick, Ireland, on the full scope of ILAM projects in research, community outreach and education, and repatriation over the past ten years. Presentations at these and other local and international conferences to audiences of internationally recognized scholars provided an excellent opportunity to showcase ILAM initiatives that bring together research, community education and repatriation.

ILAM’s innovative practice of giving back to researched communities, the knowledge gained through research via publication of African music education textbooks, curation of museum exhibitions, and digital return of recordings to their communities of origin is setting a standard for archival ethics.
publication of African music education textbooks, through curation of museum exhibitions, and through digital return of its founder, Hugh Tracey’s historic field recordings to their communities of origin is setting a standard for archival ethics.

**Professor Diane Thram**
Director

**Books/Chapters/Monographs**


**Concerts, Exhibitions, Performances, Workshops, Events**


**Peer Reviewed Non-Subsidy-Earning Journal Research Publications**


**Peer Reviewed Subsidy-Earning Journal Research Publications**


**Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)**


Introduction

Professor Ros Dowse’s many contributions to the discipline were rightfully acknowledged when she was inducted as an Honorary Life Member of the Academy of Pharmaceutical Sciences at their Annual General Meeting (AGM) and Conference in 2015. This is a rare privilege and a prestigious distinction.

Professor Sunitha Srinivas received a grant from the Talloires Network under their “University Education for Transformative Leadership in Africa” programme. This programme recognises individuals at universities in Africa working in community-engaged teaching, research and scholarship.

Staff and students presented their research at a wide range of local and international conferences, as detailed below, and published nineteen (19) journal articles.

Chantell Hayward-Zeelie, a PharmD student, based at the Kimberley Hospital Complex, presented both a talk and a poster at the South African Association of Hospital and Institutional Pharmacists (SAAHIP) annual conference, and she was awarded both the Life Health Care Best Podium Presentation and Poster awards.

At the 2015 Community Engagement Awards in October the Faculty was very well represented by our research students, particularly Shingirai Katsinde and Nomsa Chemuru, who jointly received the top award in the Student Researcher of the Year category for their research in areas of exclusive breastfeeding promotion and teenage pregnancy prevention in local communities. Fadzai Mushoriwa and Tinatsei Chigumete were runners-up in the same Student Researcher of the Year category for their research on health promotion for non-communicable diseases.

Distinguished Visitors / International Visits

One of the highlights of the year was the visit by Dr. Hans Hogerzeil, Professor of Global Health at the University of Groningen, Co-Chair of the Lancet Commission on Essential Medicines Policies and former World Health Organisation (WHO) Director for Essential Medicines and Pharmaceutical Policies in September 2015.

Dr Betty Patterson from North Dakota State University, a regular visitor, and a major contributor to the Pharm D programme, visited the Faculty in October 2015. During her time here she also visited the Pharm D students at their bases in Port Elizabeth, East London and Kimberley, providing the Pharm D class with a valuable international perspective.

Significant Research Aligned Events

At the end of November 2015, the Postgraduate students again organised a very successful Postgraduate research symposium at which they had an opportunity to present their research to their peers and to the staff of the Faculty.

Professor George Wells
Acting Dean of Pharmacy
Distinguished Visitors


Other Publications


Peer-reviewed Proceedings

Siruma, A., Tandlich, R. and Srivinas, S.C.

Tandlich, R. and Luyt, C.D.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Chemuru, N.R. and Srivinas, S.C.

Chiquemete, T.G. and Srivinas, S.C.

Chikukwa, M.T.R., Khamanga, S.M. and Walker, R.B.

Dowse, R.


Dube, C.S., Ngywala, N.P. and Tandlich, R.

Gray, S. and Dowse, R.

Irwin, Y.L. and Chiewanee, F.

Jhundoo, H.D. and Walker, R.B.
Jhundoo, H.D. and Walker, R.B. Selection and characterization of a suitable lipid for the manufacture of ketocnazole-loaded solid lipid microparticles. The 75th International Pharmaceutical Federation World Congress of Pharmacy and Pharmaceutical Sciences. Dusseldorf Congress Center, Dusseldorf, Germany. October 2015.

Kanfer, I.


Kangausaru, S.T., Khamanga, S.M. and Walker, R.B.

Katsinde, S.M. and Srinivas, S.C.

Thinyane, H.
Madzikizela, P., Ngwuala, N.P. and Tandlich, R.


Makan, A., Khamanga, S.M. and Walker, R.B.


Marinwe, C. and Dowse, R.


Mukozihiwa, S.Y., Khamanga, S.M. and Walker, R.B.


Mushorwa, P. and Srinivas, S.C.


Ncube, M. and Tandlich, R.


Ngwuala, N.P. and Tandlich, R.


Ntomi, P.V., Walker, R.B. and Khamanga, S.M.


Okeyo, L. and Dowse, R.


Ramanah, A. and Walker, R.B.


Ranchhod, J., Khamanga, S.M. and Walker, R.B.


Srinivas, S.C.


Srinivas, S.C., Tandlich, R. and Khamanga, S.M.


Tandlich, R.

Tandlich, R. and Chiwakata, M.T.

Veerubhotla, H.M.K., Khamanga, S.M. and Walker, R.B.

Walker, R.B.

Walker, R.B.

Witika, B.A. and Walker, R.B.
Introduction

In this report I would like to showcase three (3) examples of how Philosophy at Rhodes University, especially the affiliated Allan Gray Centre for Leadership Ethics (AGCLE), engaged with the challenges the discipline faces in a changing world.

Postgraduates

Laura de Lange gave a paper, “What is Maths Really About? Philosophy of Maths and its influence on Pedagogy”, at the Postgraduate Philosophy Association of Southern Africa Annual Conference (University of the Witwatersrand (WITS), July 2015). She argued that every student has a unique mathematical lived experience: a unique amalgamation of ideas about mathematics, exposure to mathematical concepts and feelings about mathematics. A student’s unique set of circumstances means that not every explanatory account of mathematics will cohere with her previous experiences. For an explanation to have explanatory potential, it must provide an account which coheres with the other beliefs a student has about mathematics. If an explanation has no such coherence, it will not be recognised as an explanation of the phenomenon of mathematics for the student. Our explanatory accounts of mathematics and mathematical knowledge are our philosophies of mathematics. Different philosophies of mathematics will better explain different sets of mathematical lived experiences.

The research she presented formed part of her thesis for the MA in Philosophy.

Significant Research Aligned Events

As of the beginning of 2016, IiNtetho zoBomi: Conversations about Life, Meaning, and Community will become a credit-bearing course housed in the Philosophy Department. This course is the primary focus of the Allan Gray Centre for Leadership Ethics and is constantly being refined by relevant stakeholders through careful monitoring and evaluation processes at peer and student levels.

As it is running this year, IiNtetho zoBomi is a product of the research of the AGCLE, experiences from piloting the course since 2013, and exceptionally helpful feedback received at a roundtable focusing on the course. The roundtable brought together South African and International scholars for two days of rich conversation about the course on the 19 and 20 of October 2015. Participants included Professor Ann Cahill - a renowned intersectional feminist scholar- Professor Lorenzo Fioramonti, Dr Michael Lamb, Dr Nicky Nyathi, Dr Barney Pityana, and Professor Dan Stein.

All participants read a substantial amount of information about the course prior to attending the roundtable, which allowed each session to focus on a particular aspect of the course. Participants critically engaged with all aspects of the course including its content and structure, the use of film as a pedagogical medium, the use of social psychology, thought experiments, and real-world cases, the role of facilitators/student leaders in running the conversations, how best to get students to engage practically in a transformative and pedagogical way, and how best to align assessment with the aims and learning outcomes of the course.

The roundtable was an invaluable part of the process of designing IiNtetho zoBomi. In particular, it was on the basis of conversations held at the roundtable that we decided to incorporate Service Learning into the course, and to assess the course on a continuous basis in the form of reflective journals. Participants at the roundtable are thinking of putting together an edited collection on the course, but this is still in the pipeline.

In 2015, Sharli Anne Paphitis and Lindsay Kelland - both of whom received PhDs from Rhodes’ Philosophy Department - contributed to a special issue of The South African Journal of Philosophy on ‘Contests and Contrasts about Philosophy’. Their paper ‘Challenging the dominant ideological paradigm: can community engagement contribute to the central epistemic...’
aims of philosophy—as in part a response to the call for the transformation of the higher education sector. The paper is in equal part a response to the perception governing the South African philosophical community that community engagement is unable to further the epistemic aims of philosophy, and could in fact be seen as hindering the attainment of these aims by distracting philosophers from what they currently perceive to be their primary task—namely, research.

In the paper, Paphitis and Kelland propose a view of philosophy that allows for the transformation of the discipline through community engagement activities, and call for South African philosophers to make an epistemic shift in the ways in which they think about their discipline, teach their discipline, and go about furthering the epistemic aims of their discipline. Adopting this epistemic shift would, they argue, enable the South African community of philosophers to make rich and nuanced contributions to the international community, whose views have long held dominance over their African counterparts.

While their particular take on the transformation of the discipline has been seen by some as controversial, Paphitis and Kelland are not alone in thinking about the transformation of philosophy at Rhodes University or in South Africa.

Professor Pedro Tabensky from the Allan Gray Centre for Leadership Ethics is working with philosophers locally and abroad on a large-scale project to transform the discipline from within, funded by the Andrew W. Mellon Foundation.

Professor Marius Vermaak
Head of Department

Books/Chapters/Monographs


Concerts, Exhibitions, Performances, Workshops, Events


Distinguished Visitors

Cahill, A. Professor A Cahill. Elon University, North Carolina, United States of America. Allan Gray Centre for Leadership Ethics Roundtable. October 2015.


Other Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Research Report 2015

136
Flockemann, R.A.
Hamilton, R.P.
Hosseini, S.R.
Kelland, L.A.
Landry, C.R.
Tabensky, P.A.
Introduction

The Electronics Research Group developed a proposal for a research laboratory. The proposal was approved in principle by Senate. The main idea is for our department to participate in ALICE, Large Ion Collider Experiment. This is one of the one of the largest experiments in the world focussed on research in the physics of matter at an infinitely small scale. We became an associate member of the ALICE Collaboration on 26 June 2015.

South Africa has now become established as a hub of the Square Kilometer Array (SKA) radio telescope. The SKA will be the most advanced radio telescope of its kind. We are particularly proud of the role being played by our department in this through the work of Professor Justin Jonas and other former students of this department.

The Centre for Radio Astronomy Techniques and Technologies headed by Professor Oleg Smirnov is making significant headway in their research programme. The second batch of students from the programme graduated in 2015.

Postgraduates / Graduations

Seven (7) MSc students graduated in 2015. Kate Bryan submitted her thesis on *The EPR Paradox - Back from the Future*, and Jean Claude Uwamahoro’s work was on Single station TEC modelling during storm conditions.

Kate Bryan is a gifted writer and presenter and discusses her work with an unusual clarity. One of her examiners in fact picked up on this and commended her for her lucidity. This is commendable given the complexity of her project which looks at some aspect of relativity theory going back to Albert Einstein.

Professor Makaiko Chithambo
Head of Department
Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Weak gravitational lensing with the Square Kilometre Array.

Australis galaxy cluster.

Magnus, L. (2015) KAT-7 detection of radio halo emission in the Triangulum Society

June 2014.

functions and neural networks.

Advancing Astrophysics with the Square Kilometre Array

Fender, R., Grainge, K., Ivezic, Z., Jarvis, M. and et al. Synergy between

Pritchard, J., Ichiki, K., Mesinger, A., Metcalf, R.B., Pourtsidou, A., Santos, M.G., Bull, P., Chang, T.C.,

Ferreira, P.G., Kuo, C.Y., Santos, M.G. and Shaw, R. Background

Subtraction in Intensity Mapping with the SKA. Advancing Astrophysics with the Square Kilometre Array. Giardini Naxos, Sicily, Italy. June 2014.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Introduction

Several Postgraduate offerings were courses taught by Visiting Professors and Lecturers from the United States of America, Ghana, Kenya, Switzerland and Colombia.

Throughout the year the department offered up space for intellectual inquiry through its weekly public Friday seminar series.

Adding to this context of intellectual inquiry, study and work-in-progress were a number of important publications by staff and scholars associated with the department - including three (3) book publications, six (6) book chapters and twenty (20) articles in academic journals. Significantly, five (5) contributions to research outputs involved or emanated from postgraduate students, while two (2) academic interventions came from Postdoctoral Research Fellows at the department.

Postgraduates / Graduations

The department had a complement of seventy-one (71) Postgraduate students in 2015. Nineteen (19) of these students were awarded their Honours degrees. Of these more than a quarter, twenty-six percent (26%), obtained a First Class pass. Four (4) students obtained their Diploma in African Diplomacy and Peacekeeping (PDIS) and four (4) obtained their Master degrees with three (3) of the latter awarded with a First Class pass.

Distinguished Visitors / International Visits

Visiting Professors, Lecturers and Postdoctoral Research Fellows

Professor Lewis R. Gordon, Professor of Philosophy and Africana Studies at UCONN-Storrs, University of Connecticut; European Union Visiting Chair in Philosophy at Université Toulouse J ean J aurès, France serving in his second year as Visiting Nelson Mandela Professor of Political Studies in the department taught on “Fanon at 90.”

Professor Fenneke Reysoo, Research Scientific Director, Programme on Gender and Global Change, The Graduate Institute of International and Development Studies, Geneva, Switzerland taught a course on “Gender, Culture and Power.”

Professor Amitav Acharya of the American University, Washington, United States of America, was Visiting Professor.

Dr Philip Mwanika, Senior Lecturer, Diplomacy and International Security Programme, Department of Peace and
International Studies, Daystar University, Kenya taught on “African Diplomacy in a Globalised World” to postgraduate students.

Dr Fiifi Edu-Afful, Deputy Programme Head of Peace Support Operations Programme (PSO) in the Faculty of Academic Affairs in the Kofi Annan International Peacekeeping Training Centre, Accra, Ghana, taught on “West African Security Issues” to Postgraduates.

Dr Paul-Simon Handy, Senior Programme leader at the Institute of Security Studies (ISS) in Pretoria taught on “International Peacekeeping and Africa - Theory and Practice” to Honours and Diploma students.

Dr Mathieu Adjagbe, a graduate of the University of Ottawa, Canada, served as Postdoctoral Research Fellow.

Mr Fabio Diaz, MA, a graduate of the Institute of Social Studies, Erasmus University, The Hague, Netherlands and the Universidad de los Andes, Bogota, Colombia and PhD student at the Institute of Social Studies, Erasmus University, The Hague, Netherlands, taught a course on “Comparative Civil Wars” to Postgraduates.

Dr Emmanuel Mayeza, a graduate of the University of KwaZulu-Natal served as Postdoctoral Research Fellow and taught on Political Sociology to second year students.

Dr Nkosi Mpofu, a graduate of the University of KwaZulu-Natal, served as Postdoctoral Research Fellow.

September Teach-In “Pedagogics of Place” - Speakers:
- Dr Lis Lange, DVC Academic (University of the Free State),
- Professor J uliet Perumal (University of Johannesburg),
- Mr Adam Elliot-Cooper (University of Oxford)
- Mr Sizwe Mpofu-Walsh (University of Oxford “RhodesMustFall”)

Visitors presenting seminars in the department’s Friday lunchtime series:
- Dr Fiifi Edu-Afful, African agency in R2P: interventions by African union and Ecowas in Mali, Cote Divoire and Libya.
  Friday, 31 July 2015.
- Professor Steven Friedman, The J arcus face of the past: Preserving and Resisting African Path Dependence.
  Friday, 14 August 2015.
- Dr Philip Mwanika, Kenya’s soft-power diplomacy and strategic intervention in the Somali conflict.
  Friday, 21st August 2015.
- Professor Renneke Reysoo, Chic, cheque, choc. Bodily transactions and love strategies among adolescents and young adults in Bamako.
  Friday, 28 August 2015.
- Professor J oolien Steyn-Kotze, NNMU, “RhodesMustFall”.
  Thursday, 15 September 2015.
- Dr Tim Murithi, The Pan-African School of international relations: the trajectory of an idea.
  Friday, 9 October 2015.
- Professor Lewis Gordon, Fanon on violence.
  Friday, 16 October 2015.

**Significant Research Aligned Events**

The 2015 International Thinking Africa conference on Curriculum Transformation took place in September 2015 and amounted to a collaboration between the department’s Thinking Africa project led by Professor Leonhard Praeg and the Allan Gray Centre for Leadership Ethics (Rhodes University), the Centre for Higher Education Research, Teaching and Learning, (Rhodes University), the office of Equity and Institutional Culture, (Rhodes University) and The NRF Funded Research Focus on Institutional Cultures. In an attempt to go beyond the ideological confines of a nationalist discourse on Africanisation, the conference explored the usefulness of approaching these issues from the perspective of Critical Pedagogies of Place.

The Annual Teach-In entitled “Pedagogics of Place” had four (4) speakers deliver lunch hour presentations to the student body and a wider public. These included, Dr Lis Lange, DVC Academic (UFS), Professor J uliet Perumal (UJ ), Mr Adam Elliot-Cooper (Oxford) and Mr Sizwe Mpofu-Walsh (Oxford “RhodesMustFall”).

Professor Louise Vincent, awarded a Mellon Focus Area grant, allowed a number of students to take up scholarships to work on topics related to higher education institutional transformation. Four (4) students from this project completed their Masters with distinction in 2015. Vincent’s ongoing interest in the politics of the body was taken up in a project critiquing obesity discourses in news reporting. Her student, Chantelle Malan, graduated with her Masters thesis in this area of work and the work was published in two (2) journals - Sexualities and Fat Sex.

Professor Paul-Henri Bischoff
Head of Department
Books/Chapters/Monographs


Other Publications


Peer Reviewed Non-Subsidy Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Dzinesa, G.A. (2015) Conflict Resolution South African Style from Mediation...


CSSR graduates and award winners (from front left to right) Tracey Feltham-King (PhD), Catriona Macleod (VC’s Distinguished Senior Researcher Award), Zipho Dolamo (Hons), Ryan du Toit (Siyahluma/Community Engagement Award), Malvern Tatenda Chiweshe (PhD), Sharli Paphitis (Community Engagement Award), Nicola Jawy-Graham (Masters in Clinical Psychology).

Photo: Shelley Jacobs

Introduction

The book, *Men’s pathways to parenthood: Silence and heterosexual gendered norms*, published by HSRC Press, was authored by Tracy Morison (a PhD graduate from and Research Associate of the Psychology Department, and full-time researcher at the Human Sciences Research Council and Professor Catriona Macleod (her PhD supervisor, and SARChI Chair of the Critical Studies in Sexuality and Reproduction programme in the Psychology Department).

Departmental research outputs were richly varied across thematic sub-disciplinary areas of psychology, and included ten (10) 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, including cross-cultural issues and translation of instruments;
- Sexual citizenship and reproductive justice, including sexuality education in schools with young people, and unsupported pregnancy;
- Critical studies in sexualities and alternate forms of families and parenting;
- Participatory Action Research, community psychology, and a peer group supervision model;
- Psychotherapeutic modalities and processes, using case study, schema, narrative and psychoanalytic approaches;
- Concussive injury in rugby players, and sport psychology;
- Gender-based violence and masculinities;
- University students’ wellbeing and social media usage;
- Negotiating ethics in various sensitive and ethnographic research processes.

Postgraduates/Graduations

The Psychology Department celebrated the graduations of Postgraduate students from Honours through to PhD, who completed their degrees to graduate at various ceremonies. We are still in the enviable position of receiving far more applications for Postgraduate study than we are able to accommodate.

There were a whopping fifty-seven (57) Postgraduate graduations in total - forty-four (44) Honours, six (6) Masters in Psychology by full dissertation, five (5) Masters in Clinical or Counselling Psychology and two (2) Doctorates.

There is a varying amount of research-related activity in these degrees. For example, the Honours in General or Organizational Psychology degree contains a thirty percent (30%) research component, with a rigorous research methodology course and independent, supervised research project. The Masters in Clinical Psychology or Counselling Psychology training includes examinable coursework and a half-thesis thirty-four percent (34%) and graduates require further professional development to register with the Health Professions Council of South Africa to practice as clinical or counselling psychologists.

Our two (2) Doctoral graduates, Dr Graham Kingma and Dr Diana Zoccola, were supervised by Professor Charles Young (co-supervised by Dr Carla Meijen at the University of Kent in the United Kingdom) and Professor Ann Edwards respectively. These Doctoral studies were entitled: *Minding your game: Self-regulation and psychological momentum among golfers* (Kingma); and *Neurocognitive effects of head and body collisions on club level Rugby Union players* (Zoccola).

Distinguished Visitors

The Department hosted several distinguished visitors during 2015, who presented public lectures or workshops, and engaged with staff and students at various levels. These visits included undergraduate and/or Postgraduate students, and represent strategic attempts in the Psychology Department to build relevance of its curricula through active engagements between psychological services and community practices.
and between teaching and engaged research - as responsive to a range of pressing social issues and contexts.

Since 2008, the Department has made an annual Social Change Award to acknowledge the contributions that psychologists make towards social transformation in South Africa, in ways that go beyond providing services to individuals to the ‘public good’, and draw deeply on research and thinking about how to do research (and theorize our findings) differently.

In September 2015, this award was presented to Professor Kopano Ratele. Ratele is a co-Director of the Institute for Social and Health Sciences at UNISA, and founding member and chairperson of the NGO Sonke Gender Justice. His social-political activism, community mobilization and research scholarship as a public intellectual focuses on the subjects of boys, men and masculinities as they intersect with traditions, violence, class, sexuality, race - and the discipline of psychology in Africa. He presented a well-received talk entitled: Why do we need an African Psychology if we’re happy with Psychology in Africa?

Significant research aligned events

Professor Catriona Macleod - holding the SARChI Chair in Critical Studies in Sexualities and Reproduction, in the Psychology Department - continued to provide inspired research leadership through her productivity in subsidy-earning publications, conference presentations, and her networking and mentoring with up-and-coming researchers. In recognition of her excellence in research activities, she was honoured with two (2) awards in 2015 - as the recipient of the 2015 Vice Chancellor’s Distinguished Senior Research Award, and the 2015 Vice Chancellor’s Distinguished Award for Community Engagement, shared between Dr Sharli Paphitis, Dr Lindsay Kelland and Mr Ryan Du Toit, for their Siyahluma (Menstruation) Project.

She also served as chief conference organizer of a prestigious international conference that was held at Rhodes University in July 2015. The 9th Biennial International Society for Critical Health Psychology (ISCHP) Conference brought together almost one hundred and twenty (120) global scholars who were interested in exploring ongoing and emerging issues in critical research, critical theory and critical practice in relation to health, health care and social justice.

Significantly, twenty-two (22) papers were presented by Psychology Department staff, students and Research Associates at this conference. A young PhD student in the Psychology Department, Jabulile Mavuso, described her conference experience like this:

“I thoroughly enjoyed participating in the conference. The opportunity to present my work and hear invaluable insights from others doing similar work and the privilege to hear (important) work being done by others in this field were priceless. The key note addresses got me thinking about the histories of psychology and about the kind of knowledges we produce today. A memorable experience!

Two (2) staff members in the Psychology Department edited a Virtual Special Issue entitled “Constructing Sexualities” for the well-regarded international journal, Feminism & Psychology. Jacqui Marx and Natalie Donaldson edited this issue available at http://fap.sagepub.com/site/vsi/Constructing_Sexualities.xhtml, and produced a meta-analytical introductory editorial/article in it that unpacked research trends in sexualities research, over several decades, within Feminism & Psychology.

Dr Marx, a registered research psychologist with the Health Professions Council of South Africa, alongside Dr Sharli Paphitis, was appointed as Co-Chair of the Rhodes University Ethical Standards Committee towards the end of 2015.

The Psychology Department also invested in development of its younger academics and Postgraduate researchers. The Prabashini Appalsamy Memorial Award in 2015 was shared between two (2) Psychology Honours students who received the highest marks for the research methodology and research project component of the course - Rachel Bennie and Chesney Ward-Smith.

The aim of this award is to contribute towards developing research capacity through encouraging recipients to continue to Masters-level research degrees, and to pursue careers in research psychology. Both Bennie and Ward-Smith have registered for Masters of Arts in Psychology (by thesis) in 2016.

Professor Lindy Wilbraham
Head of Department
Books/Chapters/Monographs

Barker, K.E.


Macleod, C.


Morton, T. and Macleod, C.


Concerts, Exhibitions, Performances, Workshops, Events


Chiweshe, M.T., Mavuso, J.M., Ndabula, Y., Kalyanaraman, Y. and Glover, J.M.


Donaldson, N.


Du Toll, R.R.


Edwards, D.


Fleischack, A., Macleod, C. and Bohmke, W.R.


Macleod, C.


Macleod, C.


Macleod, C.


Macleod, C.


Mavuso, J.M. and Du Toll, R.R.


Mavuso, J.M., Thacker, M., Chiweshe, M.T., Kalyanaraman, Y., J Jarey-Graham, N., Donaldson, N. and Ndabula, Y.


Morton, T.


Shuttleworth-Edwards, A.B.


Truter, S.

Truter, S. Presenter. The Skull, Meninges and Blood Supply. Workshop presented under the auspices of NeuropsychologySA. Helderberg Clinic, Somerset West, South Africa. 30 January 2015.


Truter, S. and Shuttleworth-Edwards, A.B.


Truter, S. and Shuttleworth-Edwards, A.B.


Truter, S. and Shuttleworth-Edwards, A.B.


Truter, S. and Shuttleworth-Edwards, A.B.


Distinguished Visitors

Britton, L.

Britton, L. Macquarie University, Sydney, Australia. She gave a presentation entitled Footprints and mirrors: Reflecting on journeys forward by looking through the glass ceiling. September 2015.

Ratole, K.

Professor Kopano Ratole. Professor and Co-Director in the Institute of Social and Health Sciences at the University of South Africa (UNISA).
He received the Social Change Award, and presented a public lecture entitled ‘Who needs African Psychology when we are happy with Psychology in Africa?” September 2015.

Toerien, M.

International Visits

Akhurst, J.E.

Other Publications

Edwards, D.


Marx, J. and Donaldson, N.

This special issue, entitled Constructing Sexualities, was edited and with an introductory editorial article by Jacqueline Marx and Natalie Donaldson. The article is listed under peer-reviewed, subsidy-bearing outputs below.

Morton, T.

Morton, T.

Morton, T.

Morton, T. and Lynch, I.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Akhurst, J.E.


Saville Young, L. and j earey-Graham, N.

Peer Reviewed Subsidy-Earning Journal Research Publications

Edwards, D.


Gulfoilte, M.

j earey-Graham, N. and Macleod, C.

Macleod, C.


Saville Young, L.


Macleod, C. and Jearey-Graham, N.

Macleod, C.
Macleod, C., Moodley, D. and Saville Young, L.

Macleod, C.

Macleod, C.

Peer Reviewed Non-Subsidy-Earning Jurnal Research Publications

Akhurst, J.E.

Other Publications

Edwards, D.


Marx, J. and Donaldson, N.

This special issue, entitled Constructing Sexualities, was edited and with an introductory editorial article by Jacqueline Marx and Natalie Donaldson. The article is listed under peer-reviewed, subsidy-bearing outputs below.

Morton, T.

Morton, T.

Morton, T.

Morton, T. and Lynch, I.

Peer-reviewed Proceedings

Akhurst, J.E., Freeman, E. and Akhurst, J.E. Rethinking notions of therapeutic landscapes: A case study exploring perceptions of a wide place experience. 5th and 6th International Adventure Therapy Conference. Czech Republic, June 2012.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Lovel J. and Akhurst, J.E. Whose PARt is this? The dilemma of a participatory action research process of evaluating a community cooperative. 9th Action Learning Action Research Association (ALARA) and South Africa Participatory Action Research World Congress. Si Georges Conference Centre, Pretoria. South Africa. November 2015.


Young, C. The professional identity of counselling psychologists: Lessons from around the world. 2nd Australian Psychological Society’s College of Counselling Psychologists Conference. Melbourne, Australia. February 2015.

Photo: Tarryn Gillitt

DEPARTMENT OF PSYCHOLOGY


Ngqangweni, H. and Macleod, C. The professional identity of counselling psychologists: Lessons from around the world. 2nd Australian Psychological Society’s College of Counselling Psychologists Conference. Melbourne, Australia. February 2015.


Postgraduates / Graduations

We were delighted to achieve a record graduation of twenty-one (21) MBA graduates, two (2) graduating with distinction, namely Dr Chukwuka Onaga and Ms Geraldine Simak. The fellowship award recipient was Mr Ludwe Sityoshwana, virtually a unanimous choice by his peers.

Whilst the number of Postgraduate Diploma in Enterprise Management (PDEM) numbers were down from 2014, we are pleased to report a one hundred percent (100%) pass rate with twenty-six (26) graduates. Joshua Gibbon, Christine Kariuki, Lynett Muvembi, Brendon Smith, Leon Soko and Morgan Wedderburn-Maxwell graduated with distinction.

Distinguished Visitors / International Visits

The highlight of the year was the inaugural Archbishop Thabo Makgoba Development Trust (ATMDT) Annual Lecture on Values Based Leadership.

The ATMDT states as its objectives “In the face of global inequality, poverty and discord, promoting human development and fostering common goals in society are key to the Trust’s aims. These are pursued through the Trust’s support of education, health and development of entrepreneurial skills, as well as mentoring and encouraging dialogues in communities”.

We were unanimous in agreeing that the first speaker at the inaugural event was the Public Protector, Advocate Thuli Madonsela, who we acknowledged “as a person who has been globally recognized as the custodian and steward of a Constitution born out of a society torn apart by a legalised system of prejudice and exclusiveness. In fulfilling her duties, she has shown remarkable courage, moral fortitude and an ethical mind-set that has proven to be the inspiration of millions of people in putting the interests of our fledgling democracy above all else. In short, no better person to give this inaugural lecture on the 25th September 2015”.

Significant Research Aligned Events

The School continues to encourage our graduates to convert their research mini-theses into conference papers or journal publications. Dr Chukwuka Onaga’s was presented at the 9th International Business Conference and we hope that this will be a continuing trend.

Professor Owen Skae
Director
Distinguished Visitors

Arnold, M.

Madonsela, T.

Mainane, M., Mills, G. and Herbst, J.
M. Mainane, Dr G. Mills and Dr J. Herbst: Pan Macmillan, Cape Town, South Africa. How SA works and what we must do to make it work better. July 2015.

Ramasilo, A.

Whitfield, A.

Peer Reviewed Subsidy-Earning Journal Research Publications

Pearse, N.J.

Peer-reviewed Proceedings

Staudt, G.E.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Pearse, N.J. and Onaga, C.M.
In the meantime, Professor Russell Kaschula was invited by the National Research Foundation (NRF) in Pretoria to chair the NRF Linguistics, Literature, Language rating Panel. Professor Russell Kaschula was hosted as keynote-speaker by the University of South Carolina (United States of America), by the British Council Going Global 2015 Conference (London) and by the Grolier Club Conference in New York.

Dr Dion Nkomo was a guest speaker at Lupane State University in Bulawayo. The conference was about the language policy in Zimbabwe.

Dr Pamela Maseko and Professor Jeff Opland co-edited a book on African literature written in isiXhosa during the colonial era, and Dr D Nkomo co-edited a book in the field of lexicography.

Three (3) PhD students graduated, and staff members from the School were hosted by various institutions, locally and internationally.

**Postgraduates / Graduations**

Undine Weber’s PhD was titled: Wolfgang Koeppens Auseinandersetzung mit der Tradition: Aspekte der Intertextualität in der so genannten Nachkriegs-Trilogie. (Wolfgang Koeppen and Tradition: Aspects of Intertextuality in the so-called Post-War Trilogy). Undine Weber received her PhD after years of intense research and administration, as Head of the German Studies Section.

Haroun Maalim, supervised by Professor Russel Kaschula and co-supervised by Dr Dion Nkorno, was awarded his PhD for his thesis on “Exploring the relationship between an “English-only” language-in-education policy and bilingual practices in secondary schools in Zanzibar”.

Godfrey Mona’s PhD thesis was titled, “A century of isiXhosa written poetry and the ideological contest in South Africa”. He was supervised by Professor Russel Kaschula.

**Distinguished Visitors / International Visits**

The School of Languages and Literatures hosted Professor Jeff Opland who worked with Dr Pamela Maseko on a book series. Two (2) publications have been produced so far by UKZN Press, and the collaboration continues.
African Languages

Books/Chapters/Monographs

Dlutu, B.A.

Kaschula, R.H.

Maseko, P. and Opland, J.

Nkomo, D.

Nkomo, D.

Opland, J. and Maseko, P.

Concerts, Exhibitions, Performances, Workshops, Events

Nkomo, D.

Distinguished Visitors

Kaschula, R.H.
Kaschula, R.H. SAfM, j ohannesburg, South Africa. Interviewed live by Roweena Bant on SAfM’s morning show. 1 January 2015.

Kaschula, R.H.

R.H. Kaschula.

International Visits

Kaschula, R.H.

Kaschula, R.H.
Kaschula, R.H. University of South Carolina, USA, South Carolina, USA. Presented a guest lecture: University of South Carolina, United States of America: Malawilele Buning: Language Rights in South Africa. Multi-racial nation in Higher Education in South Africa. 1 January 2015.

Kaschula, R.H.

Nkomo, D.
Nkomo, D. Lupane State University, Bulawayo, Zimbabwe. Research on Zimbabwe’s new language policy. 2 - 28 May 2015.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Kaschula, R.H. and Docrat, Z. Kaschula, R.H. and Docrat, Z. The fissure between language and law revealed in the case of Lourens versus Speaker of the National Assembly and Others. 18th International ALASA Conference. Cape Peninsula University of Technology (CPUT), Cape Town, South Africa. June 2015.


Classics

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


French Studies

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


German Studies

Books/Chapters/Monographs


Introduction

In 2015, it had around four hundred (400) students at first year level, two hundred (200) students at second year level and one hundred and twenty (120) students at third year level.

At second and third year levels, the department runs two (2) separate programmes, namely, General Sociology and Industrial and Economic Sociology. These two (2) programmes also exist at Honours, Masters and PhD levels.

During 2015, the department had close to forty (40) registered PhD students and approximately twenty-six (26) registered Masters students, with the PhD programme being the largest in the university. The Masters students were either registered in the two-year Masters by thesis programme or the one-year Masters by thesis/coursework programme.

Postgraduates / Graduations

A significant portion of the work undertaken by academic staff in the department is Postgraduate supervision, particularly at Masters and PhD levels. Most of our Masters students are graduates of Rhodes University at both undergraduate and Honours levels, while most of our PhD students come to Rhodes after completing their Masters degree at another university, including many from Zimbabwe. Our Masters students are generally South African, and our PhD student profile is increasingly South African.

The department introduced the one-year Masters by thesis/coursework programme in 2014 and seven (7) students from this programme graduated in 2015, along with eight (8) Masters students in the full thesis programme. Additionally, two (2) PhD students graduated in 2015.

One of the PhD graduates (Dr Babalwa Magoqwana) is a lecturer in the department and the other graduate (Dr Sandra Bhatasara) lectures in the Department of Sociology at the University of Zimbabwe in Harare.

By the end of 2015, six (6) PhD students in our department had submitted theses for external examination.

Distinguished Visitors / International Visits

Academic staff in the department have international linkages with scholars in Latin America, India and elsewhere. These linkages have led to the appointment of a number of international scholars as Visiting Professors attached to our department. These include Professor Alberto Bialkowski (Argentina), Professor John Holloway (Mexico) and Professor Praveen Jha (India). They have all visited our department in recent years and their ongoing contribution to our academic programme is manifested in the significant number of their publications listed in our 2015 report. Professor Sam Moyo was one of the department’s Visiting Professors, and was a member of the Advisory Board of the Unit of Zimbabwean Studies. The Unit is headed by Professor Kirk Helliker. Professor Kirk Helliker collaborated for over ten years with Professor Moyo. Tragically, Professor Moyo died in a car accident in India in 2015.

Additionally, two (2) members of the department (Tarryn Alexander and Professor Kirk Helliker) visited the University of Puebla (Mexico) in March 2015, where Professor Holloway is located. During their visit, they presented a paper at a conference titled “Conference on women, autonomism and the formation of the commons: Latin American and African experiences”.

Another member of staff, Professor Lucien van der Walt, visited Brazil in June 2015, where he presented a paper at the Federal Rural University (Rio de Janeiro). The conference was titled “Anarchism: Insurgent practices and thought”. 
Significant Research Aligned Events

The most important new initiative in the department was the establishment of the Unit of Zimbabwean Studies. The unit was officially launched in May 2015 by the Vice-Chancellor Dr. Sizwe Mabizela. Besides the official launch, there was a series of events including a public talk by one of Zimbabwe’s foremost public intellectuals, Professor Brian Raftopoulos. As well, Hope Masike (the “Princess of Mbira”) came from Zimbabwe to give a concert. Her visit is related to an ethnomusicology dimension to the Unit’s activities led by the unit’s current Postdoctoral Fellow. The Director of the Unit undertook research in Zimbabwe on the land occupation movement in Shamva district which arose in the year 2000, and presented two (2) papers at the university based on this research.

Professor van der Walt was quite active in attending local conferences as well as publishing both academic work and more popular pieces, including in relation to the trade union movement. Additionally, and very importantly, a number of our students presented papers at local conferences or published academic work, including Sandra Bhathasara, Leroy Masidi, Lali Naidoo, Michael Kvet, Sandra Makwembere, Nomzamo Kheswa and Sian Byrne. In this regard, our department strongly encourages our Masters and PhD students to engage in such academic activities.

Professor Kirk Helliker
Head of Department
Other Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Kwet, M.F. Copyright, Education and the Struggle for a Digital Commons: South Africa and Beyond. Class, Colonialism and the Commons: The Case of Southern Africa colloquium. Rhodes University, Grahamstown. South Africa. August 2015.


Introduction

Six (6) journal publications and two (2) peer-reviewed conference proceedings emanated from both theoretical and applied collaborative research in 2015.

- Mr Amos Chinomona’s research in Sampling and Survey methods resulted in two (2) peer-reviewed journal publications;
- Mr Jeremy Baxter’s research collaborations with the Department of Management resulted in one (1) peer-reviewed journal publication;
- Professor Sarah Radloff’s research collaborations with the Departments of Economics, Environmental Science and Management resulted in one (1) peer-reviewed journal publication and two (2) peer-reviewed conference proceedings;
- Dr Lizanne Raubenheimer’s research in Bayesian Estimation resulted in two (2) peer-reviewed journal publications.

Four (4) papers were presented by members of staff at two (2) international and two (2) national conferences.

Mr Amos Chinomona presented one (1) paper at the 57th Annual South African Statistical Association (SASA) Conference in Pretoria.

Dr Lizanne Raubenheimer presented her research at two (2) international conferences, one (1) in Smolenice, Slovakia and another in Rio de Janeiro, Brazil.

Mr Sharkay Izally, Dr Lizanne Raubenheimer and Associate Professor Akim Adekpedjou jointly presented a paper at the 57th Annual South African Statistical Association (SASA) Conference in Pretoria.

Postgraduates / Graduations

During 2015, five (5) honours students and three (3) masters students completed their studies. These students will graduate during the April 2016 graduation.

During the 57th Annual South African Statistical (SASA) Conference in Pretoria, Dr Raubenheimer’s Masters student won the first prize for the best masters poster presentation.

Distinguished Visitors / International Visits

During 2015, the Department was privileged to have four (4) Distinguished Visitors:

In August 2015, Associate Professor Akim Adekpedjou from Missouri University of Science and Technology, Missouri, United States of America, visited the department. He gave a talk on “Chi-square test based on random cells with recurrent events”. He gave a course in Survival Analysis, and worked on topics in Accelerated Life Testing with Dr Lizanne Raubenheimer and Mr Sharkay Izally.

In August 2015, Professor Joseph Ngatchou Wandji from the University of Lorraine, France, gave a talk on “The kernel density estimators for dependent and non-stationary random fields”.

In September 2015, Emeritus Professor Anestis Antoniadis from the Joseph Fourier University, Grenoble, France, gave the following three talks, “Smoothing and variable selection using P-splines”, “Local comparison of empirical distributions via nonparametric regression” and “Functional time-series prediction and applications”.

In December 2015, Professor Steven Heeringa from the University of Michigan, Ann Arbor, United States of America, visited the department.

Significant Research Aligned Events

Dr Raubenheimer was the chair and co-organiser of a special invited session on Bayesian statistics at the 57th Annual South African Statistical (SASA) Conference in Pretoria. The main speaker in this session was Professor Donald Rubin, the John L. Loeb Professor of Statistics at Harvard University.

Dr Lizanne Raubenheimer
Acting Head of Department
For his overwhelming contribution to statistical innovation, Professor Trevor Hastie (pictured here with Dr Chrissie Boughey, Deputy Vice Chancellor: Academic & Student Affairs), is awarded the Distinguished Old Rhodian Award 2015. Trevor graduated from Rhodes University with a BSc (Hons) in Statistics in 1976.

Distinguished Visitors

Adekpedjou, A.M.
Professor AM Adekpedjou, Missouri University of Science and Technology, Missouri, United States of America. Lecture, Research and Collaboration. August 2015.

Antoniadis, A.
Professor A Antoniadis, University of Grenoble, Grenoble, France. Lecturer. September 2015.

Heeringa, S.
Professor S Heeringa, University of Michigan, Ann Arbor, United States of America. Collaboration, December 2015.

Ngatchou-Wandji, J.
Professor J Ngatchou-Wandji, University of Lorraine, Lorraine, France. Lecture. August 2015.

Peer Reviewed Subsidy-Earning Journal Research Publications

Baxter, J.

Chinomona, A.


Radloff, S.

Rabenheimer, L.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Chinomona, A.

Izally, S.R., Rabenheimer, L. and Adekpedjou, A.M.

Rabenheimer, L.

The high research publication output reflects the strong research collaborations established by the staff with research institutes in southern and North Africa, Europe, North and South America and Australasia. In recognition of their high standing within the science community, a number of academic staff within the department presented keynote lectures at both local and international conferences and were invited to review scientific peer review articles and local and international research programmes.

Postgraduates / Graduations

The department continued to have a highly vibrant Postgraduate school with no less than eleven (11) honours students, thirty-nine (39) MSc and thirty-three (33) PhD students registered within the department. The following PhD students graduated in 2015:


2. Chambers, C.B. 2015. Production of the Cydia pomonella granulovirus (CpGV) in a heterologous host, Thaumatomitia leucoptera (Meyrick) (False Codling Moth).


8. Daly, R. 2015. Feeding ecology, residency patterns and migration dynamics of bull sharks (Carcharhinus leucas) in the southwest Indian Ocean.


Distinguished Visitors / International Visits

During 2015, the department hosted Dr Walter Song attached to the Natural Museum in Vienna. In addition, Professor Vilis Nams from the University of Dalhousie, Canada was a Hugh Kelly Fellow in the Department. Professor Nams’ research focused on the utilisation of space by carnivores and was conducted in collaboration with Dr Dan Parker.

As part of his sabbatical, Professor Adrian Craig visited the University of Rennes, France, which involved research on vocal communication in birds. The collaborative three (3) year project is funded by the NRF and CNR and includes partners from The Universities of Witwatersrand and Limpopo.

Significant Research Aligned Events

The Biological Control Research Group under the leadership of Professor Martin Hill won the NSTF (National Science Technology Forum) Green Matter award which is awarded to an individual or an organization towards achieving biodiversity, environmental sustainability and a greener economy.

Moreover the department successfully hosted the joint Zoological Society of South Africa (ZSSA) Entomological Society of South Africa (ESSA) conference in July 2015. The highly successful conference was held over a period of five (5) days with over four hundred (400) delegates participating in the event.

Professor PW Froneman
Head of Department

Books/Chapters/Monographs


Concerts, Exhibitions, Performances, Workshops, Events


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


African Entomology

of temperature effects on the efficacy of limpet retention of defensive lateral pedal glands in the smallest across the spatial range of the sandhopper and Coasts

Intensive Camera Trapping to Estimate the Density of a Rare African

Levels Respond Positively to Effective Marine Protected Areas.

Alexander, T.J. and Stuart-Smith, R.D. (2015) Reef Fishes at All Trophic

Compton, S.G.

Bissett, C.

Dawson, T.P., Barrett, N.S., Bergamino, L.

Bellingan, T.A. and Villet, M.H.

Bell, C., McQuaid, C.D. and Porri, F.

Bel, C., McQuaid, C.D. and Porri, F.

Barnes, R.S.K.

Baldanzi, S.

Antonio, E.S. and Richoux, N.B.

Pinchuck, S.C., Reilly, B.K. and Davies-

Craig, A.J.F.

Parker, D.M.

Allanson, B.R.

Parker, D.M.

Richoux, N.B.


Fungi may be able to deliver this genetic material to the female fig wasps, which then transfer it to the males when they mate.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Affiliates, Institutes & Units

RESEARCH REPORT 2015
New exhibitions during 2015 included the launch of the temporary exhibition ‘A Glimpse of Grahamstown in the Great War’ in December. Further, a small exhibition on the new fossil Coelacanth discovery, and Homo naledi was up before the opening of the National Science Festival this year.

The Earth Science Department has seen growth both in terms of numbers of researchers and productivity. Although they still have only one government-funded post in the department, they employed extra staff through the acquisition of funding for contract posts and students. Their staff complement comprises the new curator/Head of Department (Dr Rose Prevec), three (3) NRF-funded technicians, Emeritus Curator (Dr Billy de Klerk), and Postdoctoral Research Fellow (Dr Robert Gess).

The preparation laboratory was renovated, and a new dust-extraction system installed in August 2015. This has greatly improved working conditions for the preparation staff, as there is now good ventilation and lower dust levels in the laboratory, and there is also less dust making its way into the storage section of the department.

The Department of Freshwater Invertebrates, headed by Dr Helen James, assisted by Mr Musa Mlambo, employed two (2) interns to assist with specimen curation and research, a part-time employee to sort samples and Mr Dez Weeks to continue with databasing, while Dr Ferdy de Moor continued as an emeritus curator and researcher. Dr James and her team ran a SASS5 biomonitoring training course 4-7 May 2015 in collaboration with colleagues from GroundTruth Consultants in KwaZulu-Natal (KZN), followed by a SASS5 accreditation day on 8 May; this was attended by delegates from Lesotho, Gauteng, KZN and Eastern Cape.

Dr Midgley, head of Entomology and Arachnology, gave a course on specimen databasing to scientists from the Durban Natural Science and Kwa-Zulu Natal Museums, illustrating the continued collaborations the Albany Museum has with other institutions in the country.

Ms Amy van Wezel, Head Curator of History Department, in addition to putting together the Great War exhibition, dedicated time to the reorganisation of storerooms for better access and preservation, in particular the Art Store, while Mr Barry September, the Assistant to the Curator, dealt with storage of a large donation of negatives.

Ms Fleur Way-Jones, the Curator Emeritus and Genealogist, continued her tireless research in the Genealogical section, answering a large number of complicated queries on a daily basis as well as assisting the department with curation and guidance.

The Anthropology department, led by Ms Phumeza Mtonintshi, participated in the King Coronation Project, assisted by students from Rhodes University Fine Arts department and one from University of the Western Cape History department.

The Albany Museum celebrated its 160th birthday on 11th September 2015. This sparked off a year’s worth of celebrations, with each department taking a turn to run a week’s outreach event, which will continue into 2016. Mrs Linda Dyani has been instrumental in organising these events. The museum has continued to run smoothly under the able management of Mr Vabaza.
Composite

for a two (2) day specimen collection excursion as part of their training.

**Distinguished Visitors / International Visits**

The Herbarium hosted Dr Mario Martínez-Azorin from Alicante University, Spain, who spent a month based at the herbarium, carrying out research on the Hyacinthaceae.

The Department of Entomology and Arachnology hosted Dr Ian Englebrecht and Dimitri Kambas identified the baboon spider collection during 15-17 July 2015. James Harrison, Mike Packer and Burjett Müller examined specimens during the XIX Congress of the Entomological Society of Southern Africa, 12-17 July 2015.

Professor Chris Appleton (emeritus Professor from UKZN) spent a week during October 2015 in the Department of Freshwater Invertebrates, studying the freshwater snail collection.

Dr Helen James and Dr Lyndall Pereira da Conceição (then still a PhD student) participated in the XIX Congress of the Entomological Society of Southern Africa, 12-17 July 2015.

Professor Chris Appleton (emeritus Professor from UKZN) spent a week during October 2015 in the Department of Freshwater Invertebrates, studying the freshwater snail collection.

Dr Helen J. James and Dr Lynndall Pereira da Conceição (then still a PhD student) participated in the XIX International Conference on Ephemeroptera and XVIII International Symposium on Plecoptera at the James Hutton Institute, Aberdeen, Scotland 31 May - 5 June 2015, where they interacted with international colleagues and set up new collaborations.

Dr James was elected to be on the Global IUCN red-listing of Ephemeroptera committee alongside with Dr Ian Campbell from Australia. While in the United Kingdom (UK), Dr James met Professor Mary Kelly-Quinn and Dr Jan-Robert Baars at the University College, Dublin. Dr Baars took her out experience collecting invertebrates in Irish rivers and, and she was excited to hear stoneflies drumming, something she’s never experienced in African species. Dr James spent five (5) days at the Natural History Museum, London, with Dr Ben Price, looking at specimens, comparing database management, curatorial practices, fundraising approaches and devising joint research projects.

The Archaeology Department was visited by Ms Margaret Ashley-Veall from Oxford University, who is trained in chemistry. She is doing her PhD looking at acquiring samples of mastic (gum) from some of the stone artefacts in the Melkhoutboom collection and artefacts from Plettenberg Bay. These samples have since been analysed to identify the organic material used in making the glue used to haft the stone artefacts as composite tools.

Dr Matt Caruana, an Early Stone Age specialist based at the University of Johannesburg, is continuing excavations at the Amanzi Early Stone Age site near Uitenhage and using material in the Amanzi collection in the Archaeology Department.

**Significant Research Aligned Events**

Various fieldtrips were conducted by members of the Earth Sciences Department. Dr Robert Gess located a lag deposit of fish bones at Warmwaterberg, Dr Prevec returned to the Wapadtsberg Pass and found more plant fossils, in addition to trying very hard to excavate a large burrow containing several Lystrosaurus skeletons. She and her small team comprising Ms Camagu (preparator) and several Rhodes University students will return armed with a rock drill, after being defeated by the very hard matrix surrounding the burrow.

The arrival of Dr Claudia Tocco as a Postdoctoral Research Fellow significantly increased the research diversity in the department of Entomology and Arachnology, and created a positive research atmosphere.

The continuation of Dr Sarah Gess’ research on aculeate Hymenoptera has seen her travel for collecting to the United Arab Emirates, showing the regard with which she is held in the international entomological community.

Dr Midgely’s research collaborations with Rhodes University continue to bear fruit.

Dr James (Department of Freshwater Invertebrates), was awarded funding for research on freshwater invertebrate diversity in the Kruger National Park, and the first fieldtrip took place in September 2015. Several thousand specimens collected are still being sorted, identified and catalogued.

Dr John Midgely from the Museum Entomology department joined Dr James and Mr Mlambo for this fieldtrip.

Dr de Moor continued with his research on photographic studies of flying aquatic insects.

Mr Musa Mlambo was awarded GreenMatter funding for his research on temporary water bodies, and has continued with active research in this field, employing several undergraduate students during their vacations to work on samples.

Dr James was elected as a Board member of the Freshwater Working Group for the International Society for Conservation Biology.

Ms van Wezel did much historical research for the exhibition about Grahamstown during World War One.

The Archaeology Department, headed by Ms Celeste Booth, carried out ongoing research into the early history of the KhoSan people over the past twenty thousand (20 000) years.

The Anthropology department, led by Phumeza Mntonintshi, was involved in a project on King Zwelethi Sigcawu’s Coronation 2015 and Immombo Yakwantu (AmaXhosa family trees).

Mr Vabaza Manzi
Manager: Albany Museum
Books/Chapters/Monographs

Barber-James, H.M.

deo, F.C.

Concerts, Exhibitions, Performances, Workshops, Events

Barber-James, H.M.

Prevec, R.

Peer Reviewed Non-Subsidy-Earning Journals Research Publications

Gess, F., and Gess, S.

Peer Reviewed Subsidy-Earning Journals Research Publications

Cimi, P.

De Klerk, W.J.

Prevec, R.

Cimi, P.

De Klerk, W.J.

Prevec, R.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Barber-James, H.M.


Prevec, R.
Prevec, R. Investigating the species diversity, density, abundance and distribution of street trees in the Grahamstown area. 79th SAMA National Conference. Durban, South Africa. October 2015.

deo, F.C.

Gess, R.W.

Gess, R.W.


Gess, R.W.

Midloy, J.M.

Prevec, R.

Prevec, R.

van Wezel, A.H.
The two (2) technical staff officers of the unit fulfilled their primary role by assisting academic staff and their students with a variety of research projects that included investigations using nanoparticles, and studies on chemicals, viruses, bacteria, whole organisms, animal and plant tissues, and rocks. The majority of the investigators were from Rhodes University science departments including Botany, Biochemistry and Microbiology, Chemistry, Geology, Ichthyology and Fisheries Science, Pharmacy, and Zoology and Entomology.

In addition, external researchers from the Albany Museum, South African Institute of Aquatic Biodiversity (SAIAB), East London Museum, University of Fort Hare (UFH) and Nelson Mandela Metropolitan University (NMMU) all made use of the facilities. In this way the unit made a significant contribution to the research output of the university, and the Eastern Cape.

Professor Alan N Hodgson
Head of Department

Peer Reviewed Subsidy-Earning Journal Research Publications

Pinchuck, S.C. and Hodgson, A.N. 

Peer-reviewed Proceedings

Pinchuck, S.C., Randall, M. and Hodgson, A.N. 
Patent applications for the treatment of mine wastewater and the bacterial degradation of bituminous coal discard and petroleum hydrocarbons are complete.

A technical report titled 'Evaluation of integrated algae pond systems for municipal wastewater treatment: The Belmont Valley WWTW pilot-scale IAPS case study', the culmination of a three (3) year study and authored by EBRU researchers, was published by the Water Research Commission.

Additionally, several scientific papers on aspects relating to the bioremediation of domestic sewage, waste coal, and hydrocarbon cleanup will be published in international journals.

Studies on the in situ bioremediation of South African coal discard dumps was accepted by the Australian Centre for Geomechanics and will be published in the compilation "Mine Closure 2016".

The final technical report on the outcomes of the Anglo American Coal sponsored project 'Fungcoal' is available from either EBRU or Anglo American Coal.

Professor Cowan was invited by the editors of ‘The Encyclopedia of Food and Health’ to contribute a chapter on avocado. He also completed the first extensive overview of seven carbon sugars in plants, algae and fungi which has been published in the journal, Phytochemistry Reviews.

Department of Science and Technology (DST) funding was awarded to EBRU (Professor A. K. Cowan) via the Water Research Commission to manage the design, construction, and implementation of a second commercial scale IAPS. On this occasion an amount of R13 million was awarded for the project destined for Umjindi Local Municipality (Barberton).

A further Water Research Commission sponsored project led by Mr. R. Laubscher on the anaerobic digestion of faecal sludge for the production of “biofertilizers” was successfully completed.

Additional projects related to bioremediation of mine wastewater, biological degradation of hydrocarbons, commercial-scale production of biofertilizers, and the influence of reactive oxygen species on irrigation and treated waste water are currently the focus areas.

**Postgraduates / Graduations**

Four (4) Postgraduate students were registered for higher degrees in Environmental Biotechnology at EBRU in 2015 - three (3) PhDs and one (1) MSc.

Ms. Sylvie Tebitenwa continued her research towards a PhD on the biotechnology and performance of hybrid constructed wetlands for wastewater treatment sponsored by the Organization for Women in Science in the Developing World (OWSD).

Mr Jacob Olewale, a PhD candidate, continued his study of the possible mechanisms involved in the bacterial breakdown of coal discard.

Ms Taobat Jimoh joined EBRU as a MSc candidate to study the generation of products of value formed during algae-based wastewater treatment.

Oghenekume Gerald Edeki was awarded a PhD degree for his thesis, "Bacterial degradation of fossil fuel waste in aqueous and solid media", supervised by Professor A. Keith Cowan.

**Significant Research Aligned Events**

Researchers and students represented EBRU at several international and national conferences during 2015. Professor Cowan addressed the 2nd International Conference on Food and Biosystems Engineering in Mykonos, Greece.

Mr Laubscher and several students participated in and addressed The FSM3, 3rd International Faecal Sludge Management Conference. in Hanoi, Vietnam.

Mr Olewale presented a poster paper at the Third Annual LaRSSA Conference: Productive Value from Rehabilitated
Land held at Glenburn Lodge, Muldersdrift, South Africa.

Ms Sylvie Tebitendwa presented aspects of her work at the 4th Young Water Professionals-2A Biennial Conference, CSIR Convention Centre, Pretoria, South Africa in November 2015 and, at the International Conference on Sustainable Water Management. Murdoch University, Perth, Australia in December 2015.

**Books/Chapters/Monographs**


**Other Publications**


**Patents**


**Peers-reviewed Proceedings**


**Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)**


E布鲁 continues to engage both government and industry to further its research and the training of competent environmental biotechnologists and attended workshops/strategy meetings hosted by the Technology Innovation Agency and the South African National Energy Development Institute.

**Professor A. Keith Cowan**

**Director: EBRU**
Among the firsts for the year were fifteen (15) accredited academic publications arising from the MACW colloquium in 2014 and the first Postgraduate, Honours-level teacher education module, taught in collaboration with Professor Pam Maseko, a colleague in the African Languages Division.

Further good news was confirmation that the MACW was granted a further three (3) year Andrew W. Mellon Foundation award to support the Writers-in-Residence programme and a bursary programme for students. In addition, the Sishen Iron Ore Company Community Development Trust renewed its support of the teacher education programme in the Kuruman area.

Staff news for the year included the Director, Professor Monica Hendricks, going on a three (3) month sabbatical to research and develop a curriculum for a professional Masters in Education course and edit a book on the history of the Institute. Dr Madeyandile Mbelani was awarded an National Research Foundation (NRF) Thuthuka grant, while Ms Ntombekhaya Fulani graduated with her MEd.

Postgraduates / Graduations

As above, the MACW graduated seven (7) students, four (4) with distinctions, while the BEd graduated nineteen (19), with one (1) distinction.

Distinguished Visitors / International Visits

- Professor Kathleen Heugh, University of South Australia, Visiting International Scholar.
- Dr Penny Majodina, MEC for Sport, Recreation, Arts and Culture.
- Cameron Pierce, Mellon Writer-in-Residence.

Significant Research Aligned Events

The most significant research-aligned event for the year was hosting Professor Heugh, who was a most generous colleague, sharing her insights on our developing MEd curriculum, and also her ideas with regard to university transformation. She also delivered two (2) thought-provoking lectures to the broader Rhodes University community and delivered a keynote address at the annual Multilingualism Awareness Colloquium.

Concerts, Exhibitions, Performances, Workshops, Events

Mann, C.M.


Books/Chapters/Monographs

Crampton, H.

Leff, C.W.

Mann, C.M.


Associate Professor: Monica Hendricks
Director: ISEA
Distinguished Visitors

Manaka, M.R.

Mr MR Manaka, South African artist completing MA in Creative Writing at Rhodes University. Johannesburg, South Africa. Interactive workshops: To create a love for reading and instill the passion of writing; to look at texts that are relevant to young people’s living experiences. September 2015.

Other Publications

William, B.


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications

Berold, R.


Bila, V.


Dladi, A.


Hardy, S.


Hirson, D.


Hollan, N.


Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

During 2015, the academic programme of ISER was further consolidated around the themes of social policy and labour studies. Contributions to a range of national and international research initiatives continued, an increased focus on academic publications became evident, our intake of doctoral students was increased on the back of our new systems of student support, and we appointed a Postdoctoral Research Fellow.

We initiated our labour studies seminar series in partnership with a range of academic departments (Sociology, History, and Economics and Economic History) and demonstrated not only our commitment to building labour studies within the university at large, but also the value of collegial planning and engagement.

The ISER was active in an integrated manner in all three (3) areas of academic work that are recognised by Rhodes University, viz. research, teaching and learning, and community engagement. During 2015, ISER not only worked on existing research projects, but also laid the groundwork for new research initiatives, including exploration of the interface between labour and social policy, and engagement with the history of economic policy in South Africa and our experience of social compacting (particularly health policy and provisioning).

Postgraduates / Graduations

ISER accepted five (5) new doctoral students in 2015, two (2) of whom were awarded NALSU Doctoral Scholarships (Ms Reesha The Institute of Social and Economic Research (ISER), which includes the Neil Aggett Labour Studies Unit (NALSU), was in 2015 led by Dr. John Reynolds, as acting Director during Associate Professor Robert Van Niekerk's sabbatical. Kara and Mr. Edward Cottle). ISER also celebrated the graduation of one (1) of the recipients of a NALSU Master's Scholarship, Mr. Kanyiso Ntikinca.

Distinguished Visitors / International Visits

ISER hosted a range of international (including South African) scholars at a colloquium between the 22-24 September 2015 which re-engaged the seminal theoretical and conceptual work of Harold Wolpe on race, class and the state. The invited scholars, all of whom presented papers, included Professor Ben Fine (Professor of Economics at the University of London and ISER Visiting Professor), Professor Eddie Webster (Professor Emeritus University of the Witwatersrand and ISER Visiting Professor), Professor Gavin Williams (ISER Visiting Professor), Professor Lungisile Ntzebeza (AC Jordan Chair of African Studies, University of Cape Town), Professor Elaine Unterhalter (Professor of Education and International Development, Institute of Education, University College London), Professor Fred Hendricks (Professor Emeritus, Rhodes University), Professor Adam Habib (Vice-chancellor, Rhodes University). The ISER launched its Vuyisile Mini Winter School series in 2015.
The poet, Wally Serote participated in this tribute.

The Second Neil Aggett Labour Studies Lecture was delivered to Achieve it The New Society We Fought For and What Must Still be Done October 2015 on the subject ‘Mlangeni who gave the sixth Dr AB Xuma Memorial Lecture in October 2015 on the subject ‘From Robben Island to Freedom: The New Society We Fought For and What Must Still be Done’. The Second Neil Aggett Labour Studies Lecture was delivered by Professor Edward Webster on 21 September 2015. It was entitled ‘The death of Neil Aggett: unions and politics, then and now’. A tribute to the venerable dissident poet from the Cape Flats James Matthews organised in partnership with the Institute for the Study of English in Africa (ISEA) and the English Department. The poet, Wally Serote participated in this tribute.

Significant Research Aligned Events

Social policy research consisted mainly of the development of papers conceived within the following multi-year research projects:

i. Developmental States, Social Policy and Social Compacts: Global Opportunities, National Actors and Effective Institutions (led by Professor Ben Fine of SOAS and Professor Trudie North of the University of Cape Town), and Steven Friedman and Peter Alexander);

ii. Understanding health reform and policy implementation in a democratic South Africa: the medical profession’s response to the proposal for a universal system of health care (led by Professor Rebecca Surenre of the ISER);

iii. Effecting Social Citizenship through Social Policy: Policies, Contestations and Practices (co-led by Professor Robert Van Niekerk of the ISER and Professor Yusuf Sayed, ISER Research Associate and Director of the Centre for International Teacher Education at the Cape Peninsula University of Technology);

iv. The South African component of a study on Poverty and Inequality and the Politics of Social Policy in BRICS countries (co-convened by Professors Robert Van Niekerk of the ISER and Steven Friedman and Peter Alexander);

v. Economic and Social Policy-Making in South Africa 1940-1996 (co-led by Professor Vishnu Padayachee of University of the Witwatersrand and Professor Robert Van Niekerk of the ISER);

vi. The Unresolved National Question in Left Thinking: Hidden Voices, Unpublished Works 1950s to 1990 (convened by Professor Edward Webster, Director of the Chris Hani Institute and ISER Visiting Professor).

At the request in 2015 of the board of the Harold Wolpe Memorial Trust (of which Professor Van Niekerk is a board member), ISER was asked and agreed to be a custodian of the intellectual legacy of Harold Wolpe and to establish a programme of academic work and associated public engagement activities consistent with his legacy of critically engaged scholarship and within the bounds of the academic programme of ISER.

ISER also jointly host the annual Harold Wolpe Memorial Lecture in October 2015 with colleagues at University of the Witwatersrand (WITS) (Professor Imraan Valodia, Professor Vishnu Padayachee and the Vice-Chancellor, Professor Adam Habib). The lecture was presented by Dr Carlos Lopes, Secretary-General of the UN Economic Commission for Africa, and was entitled Diagnosing African Politics.

The new-look ISER Working Paper Series was launched in 2015, and the following four (4) working papers - all of which focused on labour studies - were published:


ISER Working Paper No. 2015/3 was also released as a working paper of the national Labour Market Intelligence Partnership, which is managed by the Human Sciences Research Council (HSRC) and funded by the Department of Higher Education and Training.

ISER Working Paper No. 2015/4 will also be released by the National Minimum Wage Research Initiative, which is managed by the Corporate Strategy and Industrial Development (CISID) in the School of Economic and Business Sciences at the University of the Witwatersrand. All ISER Working Papers can be downloaded from the ISER website (www.ru.ac.za/iser).

A journal article based on ISER Working Paper 2015/3 was accepted for publication by the journal Development Southern Africa, and was developed following a presentation to the International Council on Education for Teaching 59th World Assembly in Japan in July 2015.
A journal article based on ISER Working Paper 2015/4 was submitted to the International Labour Review following a presentation to the World Social Science Forum 2015 in Durban in September 2015 - the theme of the WSSF 2015 was Transforming Global Relations for a Just World. Dr Reynolds also presented the Working Paper at the first seminar of the National Minimum Wage Research Initiative at the University of the Witwatersrand on 24 August 2015.

Work on three (3) book proposals was undertaken with a view to submission to potential publishers in early 2016:

i. A book proposal for the edited volume entitled Race, class and the post-apartheid democratic state that emerged from the Harold Wolpe Colloquium,

ii. a book proposal by Dr Reynolds entitled Challenging hegemony? A provincial perspective on the limits of policy challenge in the South African state,

iii. a book proposal by Dr Rogan based on work undertaken in support of Theme 5 of the Labour Market Intelligence Partnership.

Other research and community engagement work included the following:

i. work on the series of four papers on social policy and work, funded by the Research Project on Employment, Income Distribution and Inclusive Growth (REDI) commenced, with the view to submission in the first half of 2016;

ii. completion and submission to the HSRC of the final report for the graduate tracer study, followed by an ISER Working Paper, a journal article and an international conference presentation, as described above;

iii. Dr Rogan took over leadership of Theme 5 of the LMIP, and formally briefed the Minister of Higher Education and Training, Dr Blade Nzimande, at an LMIP briefing on 31 March 2015 (he also presented the graduate tracer findings at a dedicated public seminar hosted by DEDEAT, the Eastern Cape Socio-Economic Consultative Council (ECSECC) and NALSU in East London on 16 November 2015);

iv. the research plan for the review of the centralisation of cleaning services at Rhodes University was developed under the leadership of Dr J ohn Reynolds, and was approved by the Review Committee on the Centralisation of Cleaning Services at Rhodes University and by the Rhodes University Ethical Standards Committee (RUESC), with fieldwork scheduled for 2016;

v. a visit by DataFirst (based at the University of Cape Town) to Rhodes University was facilitated by Dr Reynolds (a member of the DataFirst External Advisory Board) and agreement was reached on the digitisation of the data collected during the Keiskammahoek Rural Survey in the 1950s as part of a national initiative to recover historical data sets (DataFirst undertook the digitisation work at Rhodes University in November 2015);

vi. Dr Rogan again contributed to the bi-annual Eastern Cape Economic Review, which is a publication brought out by DEDEAT, by writing the labour market section of that publication and editing the publication itself;

vii. Dr Reynolds continued to represent Rhodes University in its engagements with the Makana Municipality, which included participation in the Work Streams established by the Administrator appointed by the Eastern Cape Provincial Government to manage the municipality, and facilitation of a workshop of all Work Stream members and the municipal council on 20 May 2015;

viii. Dr Reynolds also facilitated the Makana Environmental Indaba on 24 June 2015; (vii) Drs Rogan and/or Reynolds continued to participate in meetings of the Provincial Human Resource Development Council, which were chaired by the Eastern Cape MEC for Education; and

ix. Dr Reynolds participated in a workshop on Swedish-South African experiences of social compacting in the Residence of the Swedish Ambassador to South Africa.

Dr J ohn Reynolds
Acting Director: ISER
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Other Publications


Research Papers/Posters Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)


Other Invited public and policy related presentations


Peer-reviewed Proceedings

Postgraduates / Graduations

As we reach the last year of the third phase of the Carnegie Foundation supported Regional Initiative in Science Education (RISE) programme it was almost inevitable that we would have a high number of graduations in 2015 and this year produced six (6) PhD’s, two (2) MSc’s and one (1) Honours degree at the 2015 graduation ceremony.

Distinguished Visitors / International Visits

IWR staff and students attended a number of major regional and local conferences, including the XXVI General Assembly of the International Union of Geophysics and Geodesy in Prague, an international conference on Large African River Basins in Tunisia, the Fall Meeting of the American Geophysical Union in San Francisco, a conference on complex systems in Arizona, an international conference on conservation biology in Montpellier, the 75th annual meeting of the Society for Applied Anthropology and the 16th WaterNet conference in Mauritius.

Mr. Coli Ndzabandzaba (PhD students) received a ‘Best Young Scientist (poster category)’ award at the WaterNet conference.

Significant Research Aligned Events

The IWR continues to be successful in attracting funding for research activities despite the increasingly competitive research funding environment. At the end of 2015 we had finalised the details of a collaborative five (5) year research project on the Congo River funded by the Royal Society of the United Kingdom. This is a collaboration with the Universities of Bristol, Kinshasa and Dar es Salaam.

Further details of the full range of the IWR research activities (both present and past) can be found on the web page at www.ru.ac.za/IWR/Publications.

Professor Denis Hughes
Director and Head of Department

Books/Chapters/Monographs


Other Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Hughes, D.A. and Slaughter, A.S. (2015) Daily disaggregation of simulated monthly flows using different rainfall datasets in southern...


De Wet, C.J. and Odume, O.N.
Fox, H.E. and Palmer, C.G.
Gwato, O., Palmer, A. and Mantel, S.K.
Lê Thêo, Z. and Mantel, S.K.
Mantel, S.K.
Mantel, S.K. Not all small dams are benign: A study on their cumulative impacts in South Africa. 27th International Congress for Conservation Biology (IBCCBECB) 2015. Montreal, Quebec. August 2015.
Mantel, S.K. and Palmer, A.
Mensah, P.K.
Ndzibandazaba, C. and Hughes, D.A.
Odume, O.N.
Odume, O.N. and De Wet, C.J.
Odume, O.N. and Palmer, C.G.
Palmer, C.G.
Palmer, C.G.
Palmer, C.G., Slaughter, A.S., Retief, D.C.H. and Sahulu, A.
Palmer, T.
Rugai, D.S., Hughes, D.A. and Mantel, S.K.
Vellemu, E.C.
Vellemu, E.C., Mensah, P.K. and Palmer, C.G.
Weaver, M.J.T.
Weaver, M.J.T. and Lipille, M.W.
### Distinguished Visitors / International Visits

In January 2015 Jay Kruuse attended a “Follow the Money” Workshop in Berlin, Germany, which was organised by the Open Society Foundation and enabled a diverse representation of civil society actors to come together to identify improved mechanisms for ensuring openness in the allocation and use of public funds across the globe.

PSAM routinely draws upon the work of the Office of the Auditor-General to promote good governance and the effective and efficient use of public funds across the globe. On 19 March 2015 the current Auditor-General for South Africa, Mr Kimi Makwetu visited Grahamstown as a guest of PSAM and delivered a public lecture at the Eden Grove Blue Lecture Theatre which was well attended by the public, media, staff and students of Rhodes University.

During September 2015 PSAM held a regional workshop in Dodoma, Tanzania with Social Accountability Monitoring (SAM) trainers and practitioners working in Zambia, Zimbabwe, Tanzania and Mozambique.

During November 2015 PSAM organised a mentoring session for COTRAD Masvingo Action Accountability Groups. COTRAD was the first of four (4) PACT Zimbabwe grantees that requested extra support after exposure to the PSAM approach at a training event held in November 2014.

Significant Research Aligned Events

PSAM Education researcher, Zukiswa Kota, wrote an article entitled Brief Analysis: 2015 National Budget which appeared on the SANGONet website on 11 March 2015 while another analysis piece on What does the 2015/16 Medium Term Budget Promise for Learning in the Eastern Cape appeared on the SANGONet website on 18 March 2015.
Zukiswa also produced the following reports on education in the Eastern Cape: a case study on the School Nutrition Programme, and an Expenditure tracking report on the School Infrastructure Grant. Also noteworthy were a public submission to the Standing Committee on Appropriations in Cape Town and another to the Standing Committee on Provincial Finance and Expenditure in the Eastern Cape following public calls for submissions made by each committee.

PSAM Health researcher, Ms. Thokozile Mtsolongo, produced a Strategic Plan Evaluation on Health Infrastructure in Eastern Cape. In March 2015 she was invited to make public submissions to the Human Rights Commission (HRC) hearing into ‘Access to Emergency Medical Services in the Eastern Cape’. PSAM is listed in the report as an interested stakeholder with the final report available on the HRC website.

Thokozile subsequently conducted further research on EMS culminating in three outputs: a journal article in December 2015 and a final research report and presentation to the Eastern Cape Department of Health. Thokozile also wrote an analysis piece titled ‘A quick look at the history of planning and budgeting for EMS in the Eastern Cape’ which appears in the Section 27 report Emergency Medical Services in the Eastern Cape.

PSAM’s local government researcher, Thabani Mdlongwa, prepared and disseminated a Strategic Plan Evaluation of the Makana Intervention Plan (MIP) 2014/2015 and a Budget Analysis 2015/16. Thabani also delivered a joint paper with Thokozile on Civil Society in the Public Sphere, the experiences of the MCSC and ECHCAC at the 5th African Unity for Renaissance Conference. Thabani was invited to present the findings of his 2014/15 Budget Analysis to the financial viability work stream of the Makana Municipality and also presented on behalf of Makana Civil Society Coalition (MCSC) to the Select Committee on Cooperative Governance and Traditional Affairs on the Intervention in Makana.

Nicholas Scarr, PSAM’s environment researcher, produced the 2015/16 Budget Analysis of the Chief Directorate of Environmental Affairs within DEDEAT. He also presented a paper at the 14th World Forestry Congress, held in September 2015. His paper was entitled Progress in implementation of the prohibition on disturbing natural forest on privately owned land in the Eastern Cape Province, South Africa.

Following the resignation of the previous human settlements researcher at the end of 2014, Thoko Sipungu joined the PSAM in July 2015. He completed a Strategic Plan Evaluation and embarked on research on Social Housing in Eastern Cape. His abstract on this research was submitted to the Housing Policy Debate and was accepted in October 2015.

During 2015 Jay Kruuse finalised the Open Budget Survey of South Africa and was responsible for its dissemination during September 2015. Mr. Thoko Sipungu and Ms. Thokozile Mtsolongo are currently busy with next round of the survey which will be released in the second half of 2017.

Mr Jay Kruuse
Director: Public Service Accountability Monitor (PSAM)

The Institute for Young Women’s Development (IYWD), which is based in Masvingo Central in Zimbabwe, participating in an energizer during a sensitisation meeting on how the PSAM approach can be used to monitor women’s sexual reproductive health rights.

Photo: PSAM

Books/Chapters/Monographs


2 https://pmg.org.za/tabled-committee-mpost/12308/
3 https://www.facebook.com/MakanaCivilSocietyCoalition/posts/1543836889222381
4 http://www.dispatchlive.co.za/news/hands-off-yako-say-institutions/
5 Eastern Cape Department of Economic Development, Environmental Affairs and Tourism
6 http://www.tandfonline.com/action/journalInformation?show=aimsScope&journalCode=RHPD20
As a result of the success of the first cohort of Northern Cape teachers who graduated in 2015, RUMEP was awarded more funding to begin a second cohort of Intermediate and Senior Phase mathematics teachers from the JTG district in Kuruman. This course started in 2015.

Due to the success of our association with World Vision, RUMEP was approached by the Department of Education in the Eastern Cape to conduct professional development workshops for teachers in a number of districts with the hope that in future these short courses will align with the implementation of the national system for continuing professional development presently being implemented.

Graduates

In 2015 RUMEP had one of the biggest groups of students to graduate with a BEd (in-service) Mathematics Education degree when forty-three (43) students and this included the first cohort of a group of Northern Cape secondary school teachers. Four (4) students obtained distinctions.
Significant Research Aligned Events

Mr Thomas Haywood presented a long paper at the 23rd Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE) Conference in Mozambique with a paper entitled, “An Exploration of Learners’ Learning of Mathematics by Using Selected (VITALmaths).”

Mr Chikiwa attended and presented a paper at the International Society for Technology in Education (ISTE) Conference in Mathematics, Science and Technology Education in the Kruger National Park in October. His paper Teaching Grade 11 trigonometry in a multilingual Mathematics class was well received by all the delegates.

Mr Tom Penlington
Director: RUMEP

Concerts, Exhibitions, Performances, Workshops, Events

Haywood, T.
Haywood, T. Present Workshop. Training for 40 IP Mathematics Teachers, Catholic Church, Mount Fletcher. South Africa. 2 - 6 November 2015.

Mkhwane, F.P.

Penlington, T.H.

Penlington, T.H. and Chikiwa, C.

Penlington, T.H. and Chikiwa, C.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Penlington, T.H.

Peer-reviewed Proceedings

Chikiwa, C.

Chikiwa, C.

Haywood, T.
Haywood, T. and Schafer, M. An Exploration of Learners’ Learning of Mathematics by Using Selected (VITALmaths) Video Clips: A Case Study.
Introduction

Altogether seven (7) BSc Honours, twenty-eight (28) MSc and twenty (20) PhD projects were undertaken in 2015, a fine achievement by a staff of only eight (8) full-time scientists and an expanding cohort of Postdoctoral Fellows.

In addition, eighteen (18) students received their Postgraduate degrees in 2015. An indication of the growing status of our scientists as supervisors of Postgraduate students was the appointment of Drs Paul Cowley and Olaf Weyl as Honorary Professors at Rhodes University.

Research highlights

The movement patterns and behavioural ecology of marine and estuary-associated marine fishes was a major research highlight for SAIAB in 2015. Professor Paul Cowley and his team spent many days in the field catching and acoustically tagging fish. The ongoing work on dusky kob, leervis, white steenbras and spotted grunter has yielded extremely important data that will assist with the management of these over-exploited fishery species.

The Acoustic Tracking Array Platform’s (ATAP) activities, also managed by Professor Cowley, involved several fieldtrips to upload data from the growing receiver network around the South African coastline.

One new monitoring site was established at Plettenberg Bay, which is hoped to improve data collection on wide-ranging species such as white sharks and leervis. SAIAB researchers tagged dusky kob, spotted grunter, leervis and white steenbras, while other ATAP collaborators tagged giant kingfish, pyjama catsharks, sevengill cowsharks, smooth houndsharks, Zambezi sharks and tiger sharks.

Professor Alan Whitfield led a major collaborative research programme on Eastern Cape coastal micro-inlets and micro-estuaries during 2015. Scientists and Postgraduate students from SAIAB, Rhodes University (RU), Nelson Mandela Metropolitan University (NMMU), and the South African Institute for Aquatic Biodiversity (SAIAB) worked together to understand the impacts of climate change on different coastal and estuarine fish species. Although most of these projects are just starting, an Honours project has already yielded interesting results.
Environmental Observation Network (SAEON) are busy studying the differences between these small coastal systems, to answer the question - when does a coastal inlet become an estuary?

In July 2015 Professor Whitfield received the Southern African Society of Aquatic Scientists Gold Medal Award for his contributions to the aquatic sciences in southern Africa.

Dr Francesca Porri, together with students and collaborators, has focused on several projects linked to organismal biology and dynamics of early life stages of benthic invertebrate taxa. A new multidisciplinary project on the pathways of larval dispersal has been awarded to Dr Porri through the African Coelacanth Ecosystem Programme (ACEP), with collaborators from Rhodes University, University of Johannesburg (UJ), SAEON and Hakai Institute (Canada). Several Postgraduate projects are linked to this research, covering an understanding of the physical mechanisms driving larval dispersal, settlement of larvae on the shore and the genetic connectivity of coastal invertebrate populations.

The SAIAB freshwater ecology group led by Professor Olaf Weyl had another excellent year. Noteworthy contributions in the field of fish ecology were describing age and growth of African sharptooth catfish in the Okavango Delta, describing the population dynamics of invasive mosquitofish in large estuarine lakes and describing the reproductive biology of endangered barbs in headwater streams. The group also applied multiple techniques to describe the movement behaviour of freshwater fishes. The freshwater ecology group also contributed to a better understanding of the trophic dynamics of invaders in aquatic ecosystems; for example, the establishment of invasive South American loricariid catfishes and Asian snails in a South African river was most likely facilitated by access to food resources that were unexploited or unavailable to native residents.

Dr Gavin Gouws’s research during 2015 saw the continuation of the National Research Foundation (NRF)-supported project investigating dispersal of freshwater crabs and its consequences, genetic studies on the ACEP III Suitcase project, investigating connectivity between southwestern Madagascar and the South African east coast, DNA barcoding on the collaborative Foundational Biodiversity Information Programme SeaKeys project, and the collaborative goatfish work with Dr Franz Uiblein of the Institute of Marine Research, Norway.

Growing evidence from molecular studies indicates that a remarkable proportion of cryptic diversity within several freshwater fishes of South Africa remains scientifically undocumented. These studies have called for an urgent need for taxonomic revision of South African freshwater fishes to get a better understanding of the country’s biodiversity. Type specimens form the basis for any taxonomic investigation. However, most types are very old and most of them are no longer in good condition; as a result DNA cannot be extracted from these specimens. In 2014, Dr Albert Chakona established a project to collect toptype material (DNA tissue samples and voucher specimens) for all freshwater fishes that were described from South Africa. Easy access of totype and topogenotypes will undoubtedly stimulate renewed interest in the taxonomy of African freshwater fishes, and we envisage the establishment of collaborative research between SAIAB and other institutions, both local and international.

In conclusion, the productivity of SAIAB research staff, students, Postdoctoral Fellows and Honorary Research Associates continued at a high level during 2015, with eighty (80) refereed scientific papers published. A total of fifty-three (53) conference and symposium papers were delivered at a wide variety of national and international venues.

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-eight (28) public presentations delivered and thirty (30) research related popular articles produced by SAIAB staff during 2015.
Global Ecology and Conservation management by tuna regional fisheries management organizations. 


and associative behaviour of silky sharks, population dynamics on non-native fish invasion fronts and their impacts of Southern Africa. WSU/SAIAB Mini Symposium. Mthatha.


Africa Conference system: A century after the introduction of invasive trout.


Overview

Universities throughout South Africa require vibrant humanities faculties to drive the debates of the day and to provide the theoretical and empirical material founded on rigorous scholarship which must underpin them. The ‘idea of the human’ is the basis on which the human sciences were founded but in its historical application, this understanding has been overwhelmingly applied to certain privileged people only. The idea which UHURU rigorously maintains is that all people without exception must be considered as human and as agents of their own history. The human sciences which form the bedrock of any humanist universality (from which the idea of the university emanates) cannot exclude anyone. Our heritage of class, racial and gender exclusion cannot simply be wiped away at the stroke of a legal pen. Xenophobic exclusion for example is a reminder of its continuous prevalence. Humanistic inclusion requires ongoing hard work of thinking and action. The scholarly work of intellectual rigour is fundamental to its attainment.

UHURU came into its own during 2015. It was staffed by Professor Michael Neocosmos (Director), Dr Richard Pithouse (Senior Researcher) and Ms Zoleka Makabe (Administrator). A Postdoctoral Fellow, Dr Chika Mba joined UHURU in the second half of 2015. A total of five (5) Masters students and one Doctoral student were awarded UHURU bursaries in 2015.

Visitors

UHURU hosted a number of important seminars, public lectures and book launches. It invited many distinguished international scholars, some of whom are listed below. In so doing it has been able to fulfill its mandate of enabling debate, providing a stimulating intellectual environment for students and engaging in an epistemic transformation of thought in the Humanities at Rhodes University.

The overwhelming majority of scholars and distinguished visitors have been black or from the Global South. UHURU also hosted speakers from all the humanities. This was done through the medium of seminars, public lectures, master classes and book launches amounting to several events per week. Moreover students were encouraged to expand their knowledge of intellectual production from the Global South through organised reading groups of appropriate texts and were provided with a forum to present their own work before an audience of their peers. UHURU also organised a number of writing workshops to enable students to contribute their voices to debates in the media. Finally, we have been setting up formal links with researchers at universities with similar interests and with scholars in other countries who have been appointed as associates of UHURU. These included an MoU with the University of Lille1 in France and the formal affiliation to UHURU of Dr Raj Patel and Professor Nigel Gibson from the USA.

Unit for Humanities at Rhodes University (UHURU)

Particularly noteworthy visitors during the year included: Professor Ernest Wamba-dia-Wamba (DRC), Professor Ananya Roy (USA), Professor Peter Linebaugh (USA), Professor Achille Mbembe (Wits), Mr Riason Naidoo (Curator), Mr Mandla Langa (SA Novelist), Professor Raquel Gutiérrez (Mexico), Professor Nivedita Menon (JNU, India), Professor Lewis Gordon (USA), Professor Abdul JanMohammed (USA), Professor Nigel Gibson (USA), Professor Yusuf Al-Balushi (USA), Professor Alf Nielsen (Norway), Professor Zine Magubane (USA). From South Africa we have ensured that new young black intellectual voices are being heard. During the year these included Professor Hlonipa Mokoena (Wits), Professor Julian Brown (Wits), Mr Stuart (Human Rights Lawyer), Ms Trudi Makhanya (economist).
In addition we organised two very successful conferences over one day each: one on Xenophobia in South Africa and Africa opened by the Vice Chancellor Dr Sizwe Mabizela, and another on Popular Struggles during the 1970s, 1980s and today with Professor Raymond Suttner, Dr Aubrey Mokoape and a number of current student activists. Together all these events have contributed to a creating an intellectual environment which has been attracting local, national and international attention. Our vibrant website at www.ru.ac.za/uhuru/ provides a comprehensive resource to access many of our recordings of our events.

Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Book Reviews and Editorial Introductions


