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204 Institute for the Study of English in Africa (ISEA)
208 Institute of Social and Economic Research (ISER)
211 Institute for Water Research (IWR)
214 Public Service Accountability Monitor (PSAM)
218 Rhodes University Mathematics Education Project (RUMEP)
220 South African Institute for Aquatic Biodiversity (SAIAB)
227 Unit for the Humanities at Rhodes University (UHURU)
Our country is in desperate need of quality leadership; good leadership, caring leadership, compassionate leadership, bold and courageous leadership, moral and ethical leadership; a leadership which, in the words of Eleanor Roosevelt, does not only inspire confidence in people but one that inspires people to have confidence in themselves; the kind of leadership which, “is not a function of material wealth, high office or status, or bestowed by a degree or qualification, but one that must be earned through ethical conduct, impeccable integrity, visionary endeavour, selfless public service and commitment to people and responsibilities.”
(Dr Saleem Badat, Graduation Ceremony Address, 2012)

Given our South African history, we, of all peoples cannot afford to lose the hope that sustained us in the dark days of apartheid; we cannot afford not to imagine a better society and a better world than the one which we pray we inhabit temporarily. Indeed, the research conducted by Valerie Møller, Professor Emeritus of Quality of Life Studies, shows that South Africans remain amongst the most hopeful nations about the future, despite widespread dissatisfaction with current circumstances.

Our University is very fortunate to have outstanding, loyal, dedicated and committed academic and support staff who take a deep and keen interest in the growth, development and academic success of each and every one of our students. As Vice-Chancellor, I could not ask for more! Our graduates are all future leaders, an important component of our country’s hope for a better world, and we entrust them to use their knowledge, skills and ingenuity to improve the human condition, and to be voices of reason, truth, justice and hope in our society.

The results of the 2016 academic year were celebrated during a bumper graduation weekend in April 2017, in which a record 2 464 graduates were capped at 6 graduation ceremonies, 46% of whom were Postgraduates, 59% were women,
and 21% were international students. A record number of 88 PhD degrees were awarded (up from 67 of 2016). We celebrated a new record of 29 PhD degrees for the Faculty of Humanities, up from the previous record of 19 achieved last year. The Faculty of Science produced 38 PhD graduates, the Faculty of Education 6, the Faculty of Education 13, and the Faculty of Pharmacy 2. All Faculties have done exceedingly well. Our warm congratulations go to all our Faculty Deans, Heads of Department and the academic and support staff who made this possible.

Engaged research has become a strong feature of Rhodes University, and once again recipients of the Vice-Chancellor’s Awards in Research were also acknowledged in the Vice-Chancellor’s Awards for Community Engagement - an example of how outstanding research and meaningful community engagement should co-exist. The Vice-Chancellor’s Distinguished Senior Research Award for 2016 was awarded to Professor Heila Lotz-Sisitka, SARC Chair in Global Change and Social Learning Systems, within the Environmental Learning Research Centre, for extending the boundaries of new knowledge in transformative social learning and critical realist analyses of environmental education research, and for rethinking education in a post-sustainability paradigm. She also featured as a recipient of the Vice-Chancellor’s Distinguished Community Engagement Award for 2016, for a related role in the WRC Amanzi for Food Research Programme - led by Professor Heila Lotz-Sisitka, the award also included Mr Tichaona Pesanayi, Ms Kim Weaver, Mr Chisala Lupele, Mr Lawrence Sisitka, Professor Rob O’Donoghue, Ms Phindile Sithole, Ms Wilma van Staden, Mr Chris Mabeza, Mr Jonathan Denison and Ms Katrina Phillips.

Many other individual academics received widespread national and international acknowledgement of their work. Their fine accomplishments are contained within the pages of this report.

I extend my congratulations and thanks to all of our researchers, collaborators, funders, donors, and partners who contributed to making 2016 a year in which research at Rhodes University flourished. Your expertise, integrity, dedication, rigour and generosity make Rhodes University the rich and distinctive intellectual space that it is.

Dr Sizwe Mabizela
Vice-Chancellor
Rhodes University improved its record of high achievement in overall accredited research outputs in 2016, and in other forms of scholarship which enhance the intellectual space of the university. The university’s Enrolment Plan outlines our intention of becoming a more Postgraduate university, and our overall strategy is to enhance our contribution to knowledge production through research and scholarship. Rhodes is well positioned for such a trajectory, and 2016 exhibited the fruits of this strategy in our numbers of Postgraduate degrees awarded. We look to further strengthen our capacity to serve society in this way by striving to provide our academics with effective research support.

Our university continues to be listed in the DHET Ministerial Report on National Research Outputs as having amongst the most favourable research output rate per capita (the accepted norm for measuring efficiency of investment in the research domain) in the South African university system, and amongst the highest percentage of academic staff with PhDs. Other studies show that Rhodes has the top PhD graduation rate of South African universities, and very good Postgraduate throughput rates overall. We continue to give special attention to identifying potential new Postgraduate and research niche areas and programmes, and to developing the appropriate institutional arrangements to effectively support larger numbers of Honours and Masters students, and Doctoral candidates, and further enhance their academic and social experiences.

After a tailing off of research output in 2015 (following a number of years of growth), we saw a very significant increase in our accredited research output in 2016. Year on year accredited output grew by 17% to 1024.75.

For the 2016 academic year, Rhodes submitted 70.7 book and chapter units for consideration (40% up on the 2015 submission), and 38.2 accredited conference proceeding weighted units (a similar number to 2015). Year-on-year variance on the relatively small submission base in these categories is to be expected. For the big component of Rhodes’s publication output, our journal publications,
424 units were submitted for the 2016 academic year (5% up on the 2015). Postgraduates graduating by thesis grew by 105 weighted points to 491.8 (27% up on the 2015 graduation numbers in degrees taken by thesis).

The department of Zoology and Entomology continues to be our most research productive entity, closely followed by Chemistry, and Education. Research output in the School of Languages and Literatures has soared in recent years, particularly in the areas of African Languages Studies and French Studies. The departments of Environmental Science and Biochemistry and Microbiology (which also includes a very productive Bioinformatics stream) are consistently high research producers in the Science Faculty, as are Sociology and Psychology in the Humanities Faculty.

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 2016, 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 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
TOP 30 RESEARCHERS

Rhodes University acknowledges and congratulates the following for their accredited research outputs (Journal Publications, Books & Chapters, and Masters/Doctoral students graduated) in 2016:

1. **Distinguished Professor Tebello Nyokong**  
   Department of Chemistry

2. **Professor Russell Kaschula**  
   School of Languages & Literatures

3. **Professor Charlie Shackleton**  
   Department of Environmental Science

4. **Associate Professor Kirk Helliker**  
   Department of Sociology

5. **Professor Heila Lotz-Sisitka**  
   Faculty of Education

6. **Professor Paul-Henri Bischoff**  
   Department of Political and International Studies

7. **Professor Marc Schafer**  
   Faculty of Education

8. **Professor Sioux McKenna**  
   Centre for Higher Education Research, Teaching & Learning

9. **Professor Martin Villet**  
   Department of Zoology & Entomology

10. **Professor Martin Hill**  
    Department of Zoology & Entomology

11. **Associate Professor Barry Irwin**  
    Department of Computer Science

12. **Professor Lilla Stack**  
    Department of Accounting

13. **Professor Adrienne Edkins**  
    Department of Biochemistry & Microbiology

14. **Professor Rod Walker**  
    Faculty of Pharmacy

15. **Professor Oleg Smirnov**  
    Department of Physics & Electronics

16. **Associate Professor Julie Coetzee**  
    Department of Botany

17. **Dr Arthur Mukenge**  
    School of Languages & Literatures

18. **Professor Enocent Msindo**  
    Department of History

19. **Professor Ruth Simbao**  
    Department of Fine Art

20. **Professor Fred Ellery**  
    Department of Geography

21. **Distinguished Professor Christopher McQuaid**  
    Department of Zoology & Entomology

22. **Dr Ken Ngcoza**  
    Faculty of Education

23. **Professor Lucien Van Der Walt**  
    Department of Sociology

24. **Associate Professor Candice Christie**  
    Department of Human Kinetics & Ergonomics

25. **Professor Mellony Graven**  
    Faculty of Education

26. **Dr Kevin Lobb**  
    Department of Chemistry

27. **Associate Professor Caroline Khene**  
    Department of Information Systems

28. **Professor Patrice Mwepu**  
    School of Languages & Literatures

29. **Professor Louise Vincent**  
    Department of Political & International Studies

30. **Dr Roman Tandlich**  
    Faculty of Pharmacy
FACULTY OF COMMERCE
(2 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY


FACULTY OF EDUCATION
(10 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY


PhD Graduates at the 2016 Graduation Ceremonies


FACULTY OF HUMANITIES

DEGREE OF DOCTOR OF PHILOSOPHY


FELTHAM-KING, Tracey J an, MSS (Fort Hare), in Psychology, in the Department of Psychology. Degree by thesis. Thesis: Risk and responsibility: The management of teenaged pregnant women within the antenatal healthcare nexus. Supervisor: Professor CI Macleod.


SITAMBULI, Emma, MSc (Reading), in Anthropology, in the Department of Anthropology. Degree by thesis. Thesis: Examining the influence of Non-governmental organisations (NGOs) upon the long term outcomes of the Involuntary Community Resettlement processes: with special reference to the Kariba case, Zambia. Supervisor: Professor Cj De Wet.

TSARWE, Stanley Zvinaiye, MA (Rhodes), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by thesis. Thesis: The gendered appropriation of the mobile phone for online health information by youths in Zimbabwean tertiary learning institutions. Supervisor: Professor H Dugmore.


FACULTY OF PHARMACY
(2 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY


FACULTY OF SCIENCE
(34 PhDs)

DEGREE OF DOCTOR OF PHILOSOPHY

ABBOO, Sagaran, MSc (Rhodes), in Biochemistry, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Development of an enzyme-synergy based bioreactor system for the beneficiation of apple pomace lignocellulosic waste. Supervisor: Professor BI Pletschke.


BROMLEY, Candice Leigh, MSc (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: The chemistry of Algoa Bay ascidians. Supervisor: Professor DR Baukes (UWC) and Ms J D Sewry.


CHIAWO, David Odhiambo, MSc (Kenya), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: The gendered appropriation of the mobile phone for online health information by youths in Zimbabwean tertiary learning institutions. Supervisor: Professor H Dugmore.

COOMBS, Candice Anne, MSc (Rhodes), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Field evaluation of the use of select entomopathogenic fungal isolates as microbial control agents of the soil dwelling stages of a key South African citrus pest, Thaumatotibia leucotreta (Meyrick) (Lepidoptera: Tortricidae). Supervisor: Professor MP Hill. Co-supervisors: Professor J F Dames and Dr S Moore (Cetus Research Institute).


FORGET, Fabien Rocky Gilbert, BSc Hons (Rhodes), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: The role of ontogenetic macrophysiology and settlement in the persistence of central and marginal populations. Supervisor: Distinguished Professor CD McQuaid. Co-supervisor: Professor BI Pletschke.


MEYER, André Harold, MSc (Stellenbosch), in Microbiology, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Soil microbial properties and apple tree performance under conventional and organic management. Supervisor: Professor J F Dames. Co-supervisor: Dr J Wooldridge (ARC).


Professor Lotz-Sisitka is widely regarded as one of Africa’s foremost scholars in the field of environmental education. She regularly receives invitations from across the globe to deliver keynote addresses. Several seminal texts in the field of environmental education feature her work. Her contributions to extending the boundaries of new knowledge in environmental education span transformative-social learning in environmental education, critical realist analyses of environmental education research, and rethinking education in a post-sustainability paradigm. She is also one of only two Rhodes academics to hold Vice-Chancellor’s awards in all three pillars of the university’s intellectual mission: teaching, research, and community engagement. Lotz-Sisitka has also been instrumental in raising a staggering R74 million in research funding and for capacity building in Environmental Research at Rhodes University and across the SADC region.

Given her exemplary research and teaching record as Professor and SARChI Chair in the Faculty of Education’s Environmental Learning Research Centre (ELRC), it is understandable that her peer reviewers describe her as being “an important international player”. Lotz-Sisitka is uncomfortable with any such academic celebrity status though. “I can’t actually claim anything for myself,” she says. “For me, it’s never about an individual. The intellectual work is always a collective process and I’ve had very good colleagues”. Over the course of our conversation she consistently emphasises the collective agency which drives her pursuit of academic excellence.

For starters, she has always been passionate about education. “As a Grade 1 teacher I came to understand that all meaning that we make is made in relation to the socio-cultural environment in which we are,” she says. For Lotz-Sisitka all learning takes place in this “socio-material reality” - in South Africa this has resulted in unequal access to the modern education system. “It’s a system which has divided and excluded people, mainly because the system is unable to adapt to people,” she says. “What are we educating for? How do we avoid mis-education? How does education align with contemporary reality and how do we know what those contemporary realities are?” These were the questions Lotz-Sisitka needed answers for.
As a Postgraduate student between 1990 and 1996 she started to find answers by getting involved in curriculum activism around the National Education Policy Initiative process. “I was young then, on the fringes of that work and started getting involved because I figured here was a platform for transformation,” she says. An interest in how scholars were framing the environment as a social justice issue took her research into the history of colonisation being one of control of resource flows, the land issue and the way conservation practices excluded people, as well as how these issues were inscribed in the educational curriculum.

The key question of how to produce innovative curriculums has recently led her to a research focus on transformative social learning and green skills learning pathways. “In transformative learning one has to open up the space for the emergence of agency,” she says. Lotz-Sisitka insists that this requires research that is committed to a praxis-oriented approach which is theory driven in order to achieve both capacity and knowledge building in the policy, scholarly, and operational domains.

It is for this reason that the ERLC works with research-based knowledge on specific issues such as biodiversity and on programmes that activate knowledge of these issues in community contexts, bringing everyday knowledge together in various educational spaces. An illustrative example here is their Amanzi for Food project. A water for food initiative in the Fort Cox and Alice area, the project explores the ways in which traditional Xhosa water harvesting practices can assist in mobilising epistemological access to scientific knowledge. For Lotz-Sisitka the connection between the formal learning institution and informal learning systems in “a boundary crossing space” is most important. “If we can get a better relationship between those we can amplify and expand learning much more quickly than if we just sit in our universities and produce theories, you know? It’s about bringing the two together and that’s a pedagogical process, a social learning process.”

It is creating the conditions for a dialectical relationship between what social scientists refer to as World 1 (“everyday”) knowledge and World 2 (“scientific”) knowledge that drives Lotz-Sisitka’s research into developing curriculum models that build what she terms “a direct, emergent context of agency where education comes in to support you.” Her writing makes it clear that she views research as something that should benefit society at the micro and macro levels, and that one cannot compromise either the quality or ethical integrity of the research process.

It is for this reason that all the ERLC’s theoretical work is rooted in practice. “The first thing students do is what we call contextual profiling,” says Lotz-Sisitka. “This is so that they understand the social context in which they are trying to do their research, and so that they can reveal research questions that need to be considered.” Significantly, such contextual situated research also supplies students with the agency to generate new knowledge bases. “I think that theory is very important because if we can’t work with theory we are only reproducing our own conventional wisdom,” she says.

It is such intellectual rigour that has led peer reviewers to describe her work as “theoretically stringent and clear”, having “indisputable academic status” and being of “the highest standard in her field”. Lotz-Sisitka has served on 20 international scientific committees, holds journal editorships, has produced articles in a host of top scholarly journals, books and reports - her publications number more than 135 - and she has successfully supervised 59 Masters and 29 PhD theses, as well as being the Director in 2015 of Rhodes University’s Postgraduate Studies Centre which set up support structures for Postgraduates across the institution. Amongst the many forms of recognition that Lotz-Sisitka has received for her work was a 2016 Lifetime Conservation Achievement Award from WESSA (Wildlife and Environment Society of South Africa). A thought leader and project initiator in all respects, she has also collaborated with colleagues from across the world, worked closely with various Southern African and United Nations agencies, and the International Social Science Council, her influence finding its way into national, regional and international policy documents, and many institutional settings in education politics and practice.

Lotz-Sisitka is “reflexively utopian” about the future of environmental education research which is one of the fastest growing curriculum areas in the world.

“What we need is a transdisciplinary, collaborative, networked approach to education,” she says, “an emergent reflexivity that will facilitate new learning processes in more socially just ways”. One such emergent reflexivity is the notion of ‘transgressive learning’ which she is currently researching. “It’s such a fascinating concept,” she says. “It’s not actually defined in the field yet, but the logic here is that if you want to really transform your society you have to transcend norms and boundaries. We don’t have the right language for it yet, so it’s easy to try and fall into a definitional space, but we’re not going to do that. For now it’s a signifier for us to think more carefully about transformation.”

— Miles Keylock
Perched in an office chair upstairs in the African Languages Department, poring over a pile of books and manuscripts scattered across his desk, bespectacled Professor Dion Nkomo looks every bit the embodiment of a lexicographer. “An exceptional young researcher”, “a true scholar”, and “an asset to the field of metalexicography” are the phrases that peer reviewers have chosen to describe him. They’re not necessarily pigeonholes he’s comfortable with though. “It’s only under very special circumstances that I would even identify myself as a lexicographer,” Nkomo grins. It’s a playful opening gambit that registers his desire to interrogate the normative academic definitions of his discipline.

“Many lexicographers identify themselves as linguists, others as socio-linguists,” he explains. Not Nkomo though. “First and foremost I’m a student of languages, African languages” he says, by way of introducing a synaptic summary of his research career-to-date. In the early 2000s he worked as a research assistant in the African Languages Research Project at the University of Zimbabwe studying the role that dictionaries play in language development, documentation and preservation. Following the exodus of lexicographers due to Zimbabwe’s economic crisis, as a Masters student Nkomo was thrown in the deep end and given the responsibility of editing an isiNdebele music dictionary, Isichazamazwi SezoMculo. “Being able to complete that dictionary in 2006 helped me develop a passion for lexicography as a discipline - the professional practice of dictionary making,” he says animatedly, “but I was also looking for theoretical explanations for the work I was doing”. Nkomo began to find the answers by focusing on metalexicography as the topic of his Master of Arts research at the University of Stellenbosch in 2007. The degree was awarded with cum laude in 2008. “I need to contextualise this clearly,” he says, “Dictionary making is a part of language planning. After 1994 a new multilingual language policy was constitutionalised. A number of interventions were required in order to intellectualise the indigenous
African languages so that they could function in the new spaces that they could not hitherto before independence.” One of these interventions was the establishment of 11 national lexicography units to produce dictionaries and teach the discipline at universities in South Africa.

For Nkomo, the significance of such interventions should not be underestimated. “A language without a dictionary is like religion without a book of its doctrines” he grins. Imagine Christianity without the Bible, or Islam without the Quran! “As language develops, a norm has to be established and the dictionary plays a very vital role in this process,” he says, illustrating his argument with a dizzying history lesson on how the publication of monolingual dictionaries in Italian, French and English during the 17th and 18th centuries ensured the legitimacy of these languages. “The dictionary plays a very pivotal role in standardising a language so that it can be regarded a language,” he says, bringing the conversation back to the symbolic value of the dictionary in South Africa.

“If you want to ascertain the spelling, meaning, history, usage of a word in isiXhosa, for example, then you also need that isiXhosa dictionary as a language learning tool.” However, the contribution of lexicography transcends the intellectualisation of languages, it is part of a cultural practice that has a definite role in nation-building processes.

It’s a common sense argument - or so you might think. Despite language planning policy and the creation of lexicography units across the country over the past 20 years, there remains a lack of awareness of the value of the dictionary within the academy itself. “Apparently there was a colleague who passed a comment last year about the teaching of lexicography at this university,” Nkomo says. “He said, ‘I would assume that these are skills taught at primary school, as part of English.’” He sighs, frustrated at what he calls a “poor dictionary culture” that extends to students of African languages. “When I say to my first-year students that extends to students of African languages, they say ‘which dictionaries?’ So I say ‘dictionaries in isiXhosa and African languages’. And they say, ‘are there dictionaries in isiXhosa’? People are not even aware that dictionaries exist in African languages, let alone that dictionaries are needed. Even those that are available are not being used. We produce them, we put them in libraries - sometimes libraries don’t even buy them!”

It is precisely the slow pace of language policy implementation through meaningful curriculum transformation that frustrates Nkomo. “There may be a language policy but it will not be actioned without people doing work that will ensure these African languages are actually used in high-level domains” he says. For Nkomo this involves a commitment to ensuring not just that dictionaries and other resources are produced, but ultimately that they are available as learning resources that contribute in the realisation of a truly multilingual nation. This has meant extending his own research in lexicography into the related fields of terminology, translation, and language policy and planning.

Drawing on his rich knowledge of the field, he has developed a lexicography framework for the development of glossaries. “Practical lexicographers have felt that it is the worst of times to produce these kind of guidelines,” he says. “Every dictionary is like any tool, you might need a manual to start a computer but how many people actually read the manual these days?” he raises an eyebrow. “For Nkomo, “the dictionary is the whole book, not only the letters A to Z’.” In the context of an isiXhosa lexicography though, any assumption that a dictionary is simply a book that alphabetises and explains words is problematic. “For Xhosa speakers the assumption is that if you know your alphabet you’ll be fine,” cautions Nkomo. But the linguistic structure of the word in African languages is different from that in English. “My very first lecture for isiXhosa students of lexicography is asking them where to locate a particular word in the dictionary. Once you have three options, it means you may give up before you get to the third and say the dictionary has failed you. But in some cases it may be the user who has failed to navigate the dictionary successfully in order to find where the needed information is located.”

Addressing the practical challenges of dictionary making are arguably the cornerstone of Nkomo’s research approach. “We need a theory that will help us understand why we need dictionaries and a theory that will enable us reflect on the challenges of practical dictionary making,” he explains. “One lexicographer once remarked that the worst of criminals shouldn’t be taken to jail, they should be taken into dictionary making!” he chuckles. “It involves lots of work, the divergence of spelling, the variation in language usage - these are all issues that the lexicographer has to deal with. If you start to analyse a single word, the different nuances of its usage in different Xhosa communities, you realise that it can take a month to finish one dictionary entry!” It’s not merely standardising an African language that navigates the
socio-linguistic tightrope of inclusion and exclusion that is challenging though.

There’s also the problem of limited published literature which can be used as source material for the lexicographer to validate aspects of the language like pronunciation, for instance. For Nkomo, an obvious solution lies in embracing the audio-visual resources for lexicography and for language intellectualisation provided by the Internet. “It is not cast in stone that you should use international phonetic transcription to provide information on pronunciation,” he says. “Now you can actually record someone pronouncing the word and I can simply click and listen to it. We need more electronic dictionaries that will show that these African languages - contrary to what many people think - can also live within the digital age.”

As his numerous published monographs and book chapters have shown, Nkomo eschews any prescriptive approach to lexicography which focuses solely on language, favouring a functional and social approach to curriculum transformation. “It’s not enough to tell people to learn a language, they should rather be inspired to,” he says. “If we link the discipline of lexicography to language intellectualisation, then we’ll realise that you cannot teach language and you cannot translate language if you don’t know how to use dictionaries. When we train students in this field we hope they will infiltrate and spread these skills into other disciplines.”

It is part of comprehensive literacy and education.

- Miles Keylock
Associate Professor Julie Coetzee of the Centre for Biological Control has always had a passion for saving the world. “I originally wanted to be a nature conservationist,” she says. “But I had no idea what a nature conservationist was so I went to study botany and zoology at the University of Witswatersrand.”

It was in her second year at Wits that the biological control bug well and truly bit when a charismatic lecturer showed the class photographs from the Karoo in the 1930s. “It was just prickly-pear as far as the eye could see,” she says. Then he showed the class photographs after the cochineal insect had been released into the environment - there was no more prickly-pear. “That really spoke to me,” says Coetzee. “Instead of using chemicals and herbicides I realised you could use this natural relationship between a plant and its host to return nature to its original ecosystem.” As a result she shelved her plans to do honours in botany, opting for a zoology degree in the biological control of aquatic plants. “1998 was when I first started working on water hyacinth,” she says. “And nearly twenty years later I am still working on biological control of water hyacinth!”

Eichhornia crassipes, commonly known as water hyacinth is an aquatic plant native to the Amazon Basin, but often highly problematic as an invasive species outside of its native environment. Professor Coetzee and her colleagues in the Centre for Biological Control at Rhodes University have directly, or through assistance to others, introduced, established, and evaluated more biological control organisms on this weed than any other institution in the world. “We live in this anthropocene where the majority of these invasions are a result of human activities,” she explains. “But there are different ways we can mitigate their impact. Our goal in biological control is to use fewer and fewer herbicides and pesticides to have the greatest impact on the environment.” As a direct result of her work, critical water resources in South Africa and other countries have been preserved. Lake Victoria is one of many examples of the immense benefits provided by the foundational research and exchange of biological agents conducted by Coetzee and her colleagues and partners. Her trans-continental network operates as a global, non-profit enterprise for the good of humans and the natural environment, improving water quality, protecting natural ecosystems, preserving biodiversity, increasing agricultural production and promoting human health. “Just look at what glyphosate is doing, it’s being found in...
breastmilk and now everyone’s claiming that’s why they’ve got gluten intolerance,” she says. “The majority of weeds in South Africa are sprayed with glyphosate.

But we can use natural enemies to try and mitigate those.”

In addition to the control of invasive alien plants, Coetzee is exploring the post-release elements that promote ecosystem recovery and restoration, a long neglected facet of weed biological control. “You’ve got an infected dam, you release insects and you come back a couple of months later and you’ve cleared these floating plants but the ecosystems are degraded,” she explains. “What we’re seeing happening is a whole new suite of invasives coming through which are submerged plants growing from the bottom up. So now we’re trying to look at how we stop these invasive submerged plants by restoring these ecosystems with indigenous plants.”

After twenty years of fighting the good ecosystem fight does Coetzee feel like any meaningful change is being made? “I don’t have a utopian view,” she says. “I’ve recently had two children and I’ve been thinking, ‘oh, I’m bringing them into such a sad state of affairs, what are we doing?’ But we do see tangible results, waterways are being restored, fynbos regenerated, ecosystems recovering - we can make a difference. But we’ve got to do more than just put a Band-Aid® on a system.”

For Coetzee, making a difference means translating theoretical research into community-driven collaboration with practical outcomes. As a senior research officer in the Biological Control Research Group in 2009, she was instrumental in establishing the Disabled People’s Programme, an empowerment project that provides a blueprint for how research and intervention can co-exist. This unit has reared and released about one million biocontrol agents for waterweeds over the past eight years. In 2013, she expanded this idea to initiate the “Disabled People’s Weed Biological Control Short Course” a collaboration with the Grahamstown Area Distress Relief Association (GADRA). “We asked how we could make biocontrol relevant to the community?” says Coetzee. The answer was to provide training on aspects of biological control for members of the Grahamstown community with disabilities, with the ultimate goal of matching trained individuals with job opportunities. “If we can take what we know from theory and apply it we can improve things,” she says. “We have to look at how we are benefitting not just our natural world or the ecosystem but the community. We can’t detach communities from ecosystems.”

Her contribution to the protection of South Africa’s natural environment, as well as to marginalised communities who rely on it, was recognised when Coetzee together with her closest collaborating colleagues were awarded the prestigious NSTF-BHP Billiton GreenMatter Award in 2015. This award recognises outstanding contributions to the environment over a ten-year period, an exceptional achievement for somebody who ten years ago might have been classified as an emerging researcher.

A scholar with “an outstanding research profile”, peer reviewers characterise Coetzee as “an exceptional scientist”, and her work as “ground breaking”. Both local and international colleagues regard Coetzee as a leading researcher in the fields of invasive species ecology and biological control. She has published forty-three (43) peer reviewed academic journal articles, four book chapters, supervised five (5) PhD and eight (8) MSc students, and contributed to over eighty (80) conference presentations. Not only is she highly regarded as an academic and supervisor but she has served as an expert advisor on several national and international panels on weed biocontrol including the South African Alien Species Risk Analysis Review Panel, of the Department of Environmental Affairs and the European Plant Protection Organisation, of the Council of Europe.

“I love working with these little insects that solve problems,” says Coetzee. “But what I love even more is the team I work with now - mainly Postgraduates, watching them become enthusiastic about what we do and contributing to this big research ‘juggernaut’.”

“Each one of them contributes a little building block to this bigger theoretical ecological discussion.” For Coetzee the future success of this broader discussion pivots on more than getting politics, sociology and other disciplines involved. “The buzzword right now is ‘transdisciplinary,’” she says. “Yes, we need to add to a pool of theory that has outcomes that we can see, that do make a difference. But to create sustainable, environmentally-friendly solutions to human problems we need to get people from local communities through to deputy directors of businesses on board that biocontrol is the way forward.”

- Miles Keylock
"I thought it was a hoax!" Associate Professor Sam Naidu exclaims, recounting the moment she heard the news that she had been awarded an Andrew W. Mellon Foundation grant. “I didn’t apply for it. So I actually phoned the Research Office to check but thankfully it turned out to be genuine.” For Naidu, the 3-year grant to research literature from the South Asian, African and Latin American diasporas gives her the opportunity to pull together her many different current research and teaching interests - spanning South African crime fiction, African diasporic fiction, postcolonial fiction and transnational feminist literature - into one project.

It is also an opportunity for her to reflect on her academic career. “I originally came to Rhodes to do a Bachelor of Journalism degree”, she says. After graduation she worked as a corporate journalist in the computer software industry for two years in London. “But I was starved of literature. Working in a corporate environment was anathema, it was the death of my soul!” It was her love of reading fiction that motivated her to return to university and pursue literary studies with a passion.

In the early ’90s this meant Naidu had to contend with a colonial English literature canon. “I started to question it in about my third year,” she says. With a B.Journ degree and joint Honours in English and Classical Civilisation under her belt, by the time she got to Masters level she decided to choose postcolonial literary studies as her research field, for what she terms both political and professional reasons. “I needed the grounding, the foundation which that kind of education gave me”, she says. “Later I felt I was in a position to critique it, to be reflexive and to question what I had been taught, how I'd been taught. I decided then to try and do something different. I had to carve out a space for myself and stake a claim to a very particular kind of literary studies which was not the norm here at the time.”
As a young academic Naidu found that her commitment to transforming literary studies, so that it became more cognisant of its political and socio-cultural context, had its challenges. “Within the discipline of literary studies I have had to be courageous, strategic and committed,” she says. “I have to have the strength of my convictions. I found as a young academic I was perhaps dismissed because of race or gender, treated as somewhat decorative, exoticised, objectified in the way that women usually are in the workplace. So that added to the professional, disciplinary struggle.” It was these transformative struggles and ‘intersectional’ issues she raised when she published a paper “On Becoming an African-English-Asian Academic at Rhodes University” in the African Sociological Review following the Rhodes centenary celebrations in 2004.

“What you’ll find is that my work is very closely aligned to my personal and professional convictions”, she says. When she chose her PhD topic she made sure it was one of deep personal and political significance: Transnational Feminist Aesthetics which focused specifically on writing by women of the South-Asian diaspora. “I wanted to understand how women like myself across the globe were dealing with their particular gendered identity,” she says. “As women of South-Asian descent in particular diasporic contexts, whether it be the United Kingdom, USA or South Africa, how do we negotiate our particular heritage which interpellates us very strictly and narrowly? In the diasporic location our subjectivities are more diversely informed. So how do we negotiate that multiplicity of heritages in the contemporary world, being neither Eastern nor Western, you know, just being in-between?”

It is this liminal space that the Intersecting Diasporas project explores, focusing on transnational subjectivities represented in literature of the African, Latin American and South Asian diasporas. The research project is underpinned by foundational theories which view diaspora as a social category and transnationalism as a type of consciousness and mode of cultural production. The basic tenet of intersectionality, which posits that oppression and discrimination are multidimensional, informs its goal to examine various categories of transnational identities (such as race, class, ethnicity and gender), as well as systems of surveillance, policing and justice, which impinge on the migrant.

Naidu’s own focus in the study is on representations of crime and criminality. “I am looking at how migrants were criminalised, treated with suspicion as personae non grata, and how they experienced the official xenophobia that we know is the current situation for say Mexicans in the USA, but also for African migrants across the world, on the basis of race, ethnicity, and cultural differences,” she says. “It’s a comparative methodology that I am deploying,” she explains. “It looks at how imaginary constructions of similar and differing transnational migrant experiences converge in literary terms and seeks to determine the value of representations of hybrid and fluid transnational subjectivities in an increasingly globalised world.”

Underlying the project is also the view that critical appreciation of such fictional representations contributes to a more holistic understanding of the experiences and exigencies of diasporas in broader social and cultural terms. “What I have found in the shift from postcolonial literature to transnational literature is that there is an increased celebration of mobility, of what one scholar calls the ‘heroic potential’ of migrancy,” says Naidu. “Every ordinary person can be a hero as they explore new ground, move into new territory, create new identities. There is a hugely empowered, much more positive transnational subjectivity that is being articulated in these texts.”

For Naidu a study of the liberatory and creative potential of these texts in relation to notions of self-determination and hybrid cultural forms, which arise from diasporas is both politically and personally relevant. “I consider myself deeply enriched by having these different heritages that I can draw on,” she says. “To what extent am I South Asian, African, South African, a global citizen? I am not interpellated entirely by the forces, ideologies and discourses external to me. I get to choose, there’s a negotiation. I have agency. That’s crucial not just for the characters in the texts I am studying, but for the readers, the students I teach. Now, that’s a reason to wake up in the morning, to know that literature can do that!”

- Miles Keylock
Human Geography

**Professor Thembela Kepe** (Visiting Professor, University of Toronto)

Thembela Kepe (Visiting Professor in the Department of Geography) has always been a son of the soil. As a young boy growing up on an Eastern Cape farm near Bedford in the 1970s he fell in love with land and the natural environment. “There was just so much land,” he says. “You could run, you could walk all day without seeing the end of the farm.” From his grandparents Kepe also learned to appreciate the value of self-sufficiency and living off the land as a means of subsistence. Yet these early idyllic experiences were also shadowed by some more sinister questions.

“How come my grandpa who is an old person doesn’t have a farm when this young person in his 20s who inherited the farm does? Why are my grandparents so submissive around him? I thought this was how things were designed, but I wondered why they were designed like this,” he says. In the 1980s the politicised Kepe found the answers he was looking for at Fort Hare University while registered for an agricultural degree in land use planning.

“When I was doing my final year I had a Belgian professor who asked us several questions that changed my life,” he says. “He said ‘okay, you guys are trying to get these degrees in agriculture - what are you going to do with them? Where are you going to farm and work with farmers? What kind of farmers? Where is this land that you are talking about? Whose land is it?’” For an undergraduate student passionate about agriculture this amounted to nothing less than an existential crisis. “I needed to start asking different questions,” he says. “That’s why I became a geographer and why my research interest remains around issues of land rights, the environment and social justice.”

Back in the late 1980s pursuing such issues was problematic for any black student. “It was actually even dangerous to acknowledge that there was inequitable distribution of land,” he says, “but I had this activist mind.” After he joined what he calls “semi-underground movements” to discuss these issues at Fort Hare, Kepe later moved to Canada where he was able to pursue his Masters degree on the same issues without fear. “It was both exciting and also a moment of sadness because I felt that I knew so little about my own country and my own continent,” he says. “I learned more about South Africa working for an NGO in Canada.” As a scholar
activist in in Canada, raising money for a South African political organization and calling for sanctions against the apartheid government, Kepe first embraced the dialectical relationship between theory and praxis that has informed his entire career.

“I love theory only as much as it can help me to figure out and understand the everyday issues,” he states. Upon his return to South Africa in 1994 he had one mission: to research land rights. This mission manifested in policy development research at the University of the Western Cape’s Institute for Poverty, Land and Agrarian Studies. “What I liked about that experience was that I was doing this grounded work in the former Transkei,” he says. “It was an opportunity to actually engage with the people in Mpondoland. Once they found out about what I stood for and what my skills were they said, ‘come talk to us!’” Later Kepe did historical research into the Mpondo revolts with a colleague from the University of Cape Town, Professor Lungisle Ntsebeza. “After 50 years do people still remember why the Mpondo people revolted between 1958 and 1960 and all the way through the 1970s? What are the lessons that can be drawn from that history?” As editors of the book, Rural Resistance in South Africa, Kepe and Ntsebeza interrogated the contemporary significance of these questions relating to issues of land, rural governance, party politics and the agency of the marginalised.

For Kepe, these issues remain central to his recent research focus on the question of how land reform has been implemented in what he terms, ‘the colonial present’. “That’s a big concept,” he smiles wryly. “Nobody wants to hear that we still see traces of colonialism in South Africa, except for those who are marginalised, who are feeling the heat.” As a veteran scholar-activist Kepe is frustrated at the slow pace of implementing the land reform policy designs first tabled in the mid-to-late 90s. “We were praised for our land reform policies back then,” he says. “Yet almost 20 years later only about 10% of the land has actually changed hands and the question is ‘why?’”

One potential answer is posited in his most recent publication, Domains of Freedom: Justice, Citizenship and Social Change in South Africa, edited together with Melissa Levin and Bettina von Lieres. Here, Kepe and his colleagues interrogate the concept of freedom in contemporary South Africa relating to citizen rights issues of access to land, health and housing. “The latest land reform strategy for redistributing land does nothing for justice,” he says, his fist gently pounding his desk to make his point. “People get land and they never own it, they are leasing and to get any support from the state they have to have strategic partners.” Summarised briefly, his research findings have shown that not only are these strategic partners being enriched by such policies, but some are “treating the so-called beneficiaries of land reform as labourers!”

As a research scholar Kepe is frustrated at the lack of government engagement with these findings. “We’ve been to parliament, departmental offices - land reform, rural development - I don’t know how many times to say these are the findings,” he says. Confronted with government’s silence on these issues has prompted the activists in Kepe and co-researcher Professor Ruth Hall of UWC to take their academic research findings into the public domain through the medium of television, radio, newspapers and the internet. “We publicise it widely, let people talk about it,” he says. “We are not trying to make ourselves celebrities, but these are alternative ways of disseminating information, you know? We don’t have many fans on the side of the state, but people we work with want us to do this work.”

For Kepe the ability to work within, beyond and in between the academy and everyday life has provided him with both the ideological and political agency to make a real change in society. “It wasn’t something that was initially deliberate, it was just my desire to be a person who is relevant in my communities,” he says. This isn’t mere academic rhetoric. As a Visiting Professor to Rhodes from the University of Toronto, for the past four years Kepe chooses to stay in the township where he can be actively engaged with his community. “I’m from Grahamstown, my family is in the township so I live there, I have projects there,” he says. He donates his book royalties to these projects, sponsors children in primary and high schools, is involved in sports, and yes, even helps community members with their land claims. “Rhodes opened this door for me,” he says. “It was like ‘hell, let’s take this opportunity!’ I see myself making a small contribution in an alternative way to decolonise certain things. I’m an advocate for alternative ways of acquiring knowledge and if you’re going to mentor and nurture the next generation you have to come with a message that’s going to connect to them. If my ideas, my writing, my teaching result in change, then that’s it, that’s what I want.”

- Miles Keylock
There’s a sense of real urgency in Professor Sioux McKenna’s voice when she speaks about the pedagogical challenges facing the university today. “Whose knowledge is valued? Who’s allowed to have that knowledge? What form should that knowledge take?” These are the questions that have informed her research into Postgraduate teaching and learning practices over the past decade.

McKenna’s research is driven by an understanding that knowledge production in the academy is neither neutral nor generic, but very specific to different disciplines and histories. “It’s political, social, cultural,” she says. It is these contextual concerns that she is addressing as the Director of the Centre for Postgraduate Studies which facilitates development for Postgraduate students and academic staff through a variety of short courses and other initiatives. This includes managing the national supervision development course, Strengthening Postgraduate Supervision (www.postgraduatesupervision.com), funded by the Department of Higher Education and Training (DHET), which has been offered 54 times in 21 different higher education institutions in South Africa. For McKenna, such a programme provides space for reflection on the chaos, complexity and context of Postgraduate research, teaching and learning in South Africa. “In the Humanities and Social Sciences, in particular, we have by and large maintained the one-on-one, master-apprentice model of supervision,” she explains. “This often means the only relationship is between the student and the supervisor behind closed doors; the power imbalance may be obvious in some relationships.”

The Centre for Postgraduate Studies aims to address power imbalances and other constraints in our current Postgraduate education practices by supporting supervisors and Postgraduate scholars through a variety of short courses and other initiatives. McKenna’s research is driven by an understanding that knowledge production in the academy is neither neutral nor generic, but very specific to different disciplines and histories. “It’s political, social, cultural,” she says. It is these contextual concerns that she is addressing as the Director of the Centre for Postgraduate Studies which facilitates development for Postgraduate students and academic staff through a variety of short courses and other initiatives. This includes managing the national supervision development course, Strengthening Postgraduate Supervision (www.postgraduatesupervision.com), funded by the Department of Higher Education and Training (DHET), which has been offered 54 times in 21 different higher education institutions in South Africa. For McKenna, such a programme provides space for reflection on the chaos, complexity and context of Postgraduate research, teaching and learning in South Africa. “In the Humanities and Social Sciences, in particular, we have by and large maintained the one-on-one, master-apprentice model of supervision,” she explains. “This often means the only relationship is between the student and the supervisor behind closed doors; the power imbalance may be obvious in some relationships.”

Empowering students to new knowledge production is also a key component of online initiatives such as the Enhancing Postgraduate Environments project (www.postgradenvironments.com) funded by the European Union. A collaboration between Dutch,
German, Scottish, Turkish and South African universities, the project focuses on developing materials and online resources to support research development across all disciplines in a format that is user-friendly and open access. "It's about agency," reiterates McKenna. "At Postgraduate level, you're very much a knowledge producer or creator, working at the boundaries of your field. Postgraduate students should be pushing agendas of change, making spaces of legitimation for voices that aren't in the canon, and while engaging with the canon is crucial, you should be able to challenge and critique it and make your own contribution to it."

Yet while contestation of canonical conceptions of the higher education processes and practices of the academy is a necessary focus in a truly transformative space of higher education, in practice this is more complex. "It is a high stakes place," acknowledges McKenna. "For students, there is an internal tension between taking risks in making a knowledge contribution and being examined by the 'old farts' of their field." She chuckles, "No, not all examiners think like that! But as supervisors and examiners we do need to be having lots of conversations around the need for Postgraduate students to challenge the canon."

McKenna argues that "throwing the baby out with the bathwater" is not a means of decolonising the curriculum. "Countries have tried that with disastrous effects. There is powerful knowledge within the academy and students want and deserve access to that powerful knowledge," she says. "We must resist a relativist position where anything goes, where any perspective is held to be equally valid." The focus of her research, and that of the students she supervises in the Centre for Higher Education Research, Teaching and Learning's PhD programme, is on understanding how the academy works and questioning how its gatekeeping practices privilege particular literacy practices, ways of writing, reading, thinking. "Are we just reinforcing the social status quo?" she asks. This question informed her own PhD and her early publications around how to make literacy practices accessible and overt to students.

More recently this research question has manifested in the need to enhance students’ 'epistemological access' not only to the subject-specific knowledge and practices, but also the kinds of knowledge required to work and converse across disciplines. "What do we expect of students and why?" she asks. The literacy practices that are valued in the university emerge from specific disciplinary histories yet students are often expected to master these as if they were common sense and natural. Success entails recognizing and crossing conceptual thresholds and for McKenna, the way to empower students to cross such conceptual thresholds is through collegial approaches that foster collaborative and interdisciplinary research practices.

"It's a huge goal. We're not just producing theses - the product - that needs to get out there, we are producing researchers," she says. "These researchers need to have agency and the best way to nurture agency is through a collective."

McKenna strongly believes that such collective practices will enable researchers to contribute to their fields and also learn how to articulate and advocate for their work in a way that's meaningful to a much broader public beyond the academy. She cites the agency given to her by publishing her research findings beyond discipline-specific academic journals, in newspapers like the Mail & Guardian and online spaces such as The Conversation. "You can write in a more provocative way than the academy permits in these forums," she says. "What's interesting is that once people have read my publications online, then they often follow the links to read my academic stuff."

- Miles Keylock
“How is it that what I know is not part of learning in the academy? How is it that my educational experiences, including the theories that frame that experience, are only linked to a past that undermines my own experience?” Associate Professor Pamela Maseko of African Languages Studies and her colleagues have grappled with this question, as teachers of African languages in the academy. “As a little child, a young girl, a married woman, and an academic I don’t see myself, I don’t see my society, I don’t see my experiences, I don’t see my knowledge in what defines knowledge,” she says. Maseko is, of course, referring to the marginalised position that knowledge embedded in works written in isiXhosa and other African languages are invariably relegated to within the academy.

A few years before 2005, the African Languages Studies Section of the School of Languages and Literatures went through a review process that threatened its closure. Unless it reimagined its theoretical paradigm and the content of its curriculum, and developed innovative teaching practices, it seemed it could face the demise of many other African Language Departments that closed down at about the same time. When Russell Kaschula and Pamela Maseko joined Bulelwa Nosilela and Ntosh Mazwi in 2006 and 2007 respectively, it was with the purpose of repositioning scholarship in African languages, specifically in isiXhosa, at Rhodes University.

The development and the history of the teaching, learning and research in African languages at universities is long, yet it is clouded with controversy - mainly because African languages were studied for functional purposes rather than as repositories of knowledge. This presented a challenge in the repositioning of scholarship in isiXhosa: where does one draw from, in terms of resources written in isiXhosa, to support this new vision?

The Eastern Cape is the home of isiXhosa. It is also the home of the pioneering of the writing of isiXhosa. Institutions like Lovedale published extensively in isiXhosa Writings
isixhosa, with isiXhosa-speaking intellectuals writing for forms of media less controlled by the missionaries who published for Christian schooling and the church. One of the classical isiXhosa intellectuals from the Eastern Cape, Professor A.C. Jordan, wrote in 1973 that if one were to learn about the intellectual thought and the knowledge of isiXhosa-speaking people, it would make sense for one to unearth the writings of people such as W.W. Gqoba, S.E.K. Mqhayi, J. Ntsiko, J. Solilo and I.W. Wauchope to mention but a few. They wrote from the 1840s in newspapers such as Isigimi, Izwi Labantu and Imvo Zabantsundu whose content they controlled and they, therefore, escaped missionary censorship. These texts constitute the earliest recordings of the isiXhosa-speaking people about their own knowledge at the time. It is these kinds of texts that are critical in the academy and in the discipline of isiXhosa as its scholarship is repositioned.

Professor Jeff Opland has been actively involved over the last 30 years in collecting the works of these intellectuals. From 2007, Opland collaborated with isiXhosa-speaking scholars and translated and edited two volumes from his Collection of Xhosa Literature, one comprising the unpublished works of Nontsizi Mgqwetho, and another of Samuel Edward Krune Mqhayi. The scholarly collaboration in editing, translating and facilitating the publication of works from the Opland Collection of Xhosa Literature was critical in creating an intellectual home for the Series at Rhodes University, and finding a publisher (UKZN Press) who would take on publications of an extensive body of material that would justify a proposed Series.

Given the vision of the Section, it made sense to include the publication of these works as a research focus area on “Historiography of isiXhosa Literature” in the NRF SARCHI research Chair hosted by African Languages, and led by Professor Russell Kaschula. Additional dedicated financial support was received from the National Institute for Humanities and Social Sciences (NIHSS) which supported the Project on Concept Formation in African Languages, a project which has evolved into an African Languages Literary Research Hub, led by Professor Pam Maseko. This project has also facilitated collaborations with renowned isiXhosa
scholars, Professors Peter Mtuze and Wandile Kuse. Andrew W. Mellon Foundation funding added to the available resources. The University of KwaZulu-Natal Press was the only publisher open to publishing isiXhosa books. This was underpinned by the realisation that the works from Opland’s collection warranted the conceptualisation of a Series to be named Publications of the Opland Collection of Xhosa Literature. Professors Opland and Maseko are the General Series Editors.

As Maseko notes, the significance of the project is threefold. Firstly, “It’s important for me to play a part in bringing those works that have been marginalised into the centre - to make them alive in the academy”. In order to understand this marginalisation it is important to situate these early isiXhosa writings within the historical context of the early Christian missionary project which was to evangelise the ‘natives’ in South Africa, and to expurgate any kind of value evident in their language and thought. Secondly, “It is important to challenge the South African literary canon that deliberately excludes writings in isiXhosa. If it was because there were no writings in isiXhosa, these exist now, and intellectual engagement with them will illustrate their value in inclusion in the canon”. The third, arguably most important, aim of the project is to interrogate what these works might mean in the 21st century academy beyond the discipline of African Languages Studies. While Maseko acknowledges the value of teaching these texts for the discipline of isiXhosa and African languages in general, she insists that their true value lies in their interdisciplinary potential. “It’s really important that we present African ways of knowing in other disciplines,” she says. “How can they influence how we teach history, language, philosophy, sociology, law, politics and so forth, where African ways of thinking are considered?”

These works reflect, through various literary genres, the intellectual thought of the isiXhosa-speaking Nguni people of the Eastern Cape. “These are works written in the 19th and 20th centuries by isiXhosa speaking people in isiXhosa writing about their own experiences,” explains Maseko. “When I first read these works I suddenly thought ‘wow, this is what I have been missing!’” For example, the first volume in the Series, Gqoba’s Isiwe Esinembali: Xhosa Histories and Poetry (1873-1888) engages with different subjects such as South African History, Politics and isiXhosa Language and Folklore. In one of his essays, he engages philosophically with the concept of language and power, and how “writing” and educational institutions maintain this power by selecting what gets written and disseminated. He also writes in 1880 about how white colonial rule maintained its authority, even though they were few in number. He tells, in a humorous yet philosophical way, how white magistrates gave power to black people to control other black people, and how this process induced fear of a white person. He also unravels the philosophical, historical and socio-cultural knowledge of amaXhosa that lie in their proverbs, metaphors and idioms. Gqoba (2015) was the first volume of the five volumes published in the Series up to date. This was followed by David Yali-Manisi (2015), and John Solilo (2016).

As Kaschula says, this commitment to furthering the intellectualisation of isiXhosa literature began with some serious self-critique. What are we doing in the university? Do we just want to regurgitate knowledge that has been dominant in the academy up to now, or do we want to do research and find new knowledge and let that infuse itself into our teaching, using these texts as a base? For Kaschula and his colleagues the translation of these canonical isiXhosa works into English, and their publication in both isiXhosa and English, is a starting point on a long road to curriculum transformation. “Translation of these works permits a comparative discourse to take place for teachers and scholars. For me that is core to transformation. It’s just such a beautiful moment to be doing that, to be creating these new texts and infusing them into our teaching. Rather than embracing a single kind of theoretical paradigm, I think it’s about the south speaking not only to the south but to the north as well, from our own perspective and point of view.”

Professor Wandile Kuse, Professor of African Languages at the University of Wisconsin-Madison and a student of Professor A.C Jordan, co-translated and co-edited Gqoba, the first volume in the Series. Professor Peter Mtuze, Rhodes University Emeritus Professor is a distinguished and dedicated scholar in isiXhosa, and has co-translated and co-edited two of the volumes in the Series, Solilo and Mqhayi.

Maseko envisions the project as a living archive that people study alongside other knowledge archives. “One of our agendas now is to find students who are going to engage intellectually with these works. We need students not to look at them solely for their language or literary attributes but as texts that can be used in other disciplines, especially in so far as they unearth the perceptions of amaXhosa around specific knowledges. The process has started. We have two PhD students who graduated this year, and whose research projects were based on some of these authors, and there are a few that are in the pipeline”.

It is ten years since African Languages Studies repositioned the study of isiXhosa. There has been a supportive university administration, and from a student body of about 60 students and no first language or Postgraduate students. The staff has also grown with Bulelwa Nosilela, Professor Dion Nikomo, Mr Msindisi Sam, Dr Ntosh Mazwi and Dr Mlombo J adzeweni, also as key roleplayers in the realization of the vision of the Section. In all our areas of study, be it Linguistics, Literature, Lexicography, Sociolinguistics, Language
Localisation, the works in the Series have been valuable in what we teach and how we teach.

In an era where the academy is dominated by transformation debates calling for the decolonisation of the curriculum, the translation and publication of these classic isiXhosa texts is a timely, pathfinding project. Is Maseko confident that she and her colleagues in African Languages Studies will be able to do justice to the body of knowledge embedded in these visionary isiXhosa works?

“Rhodes University is one of the few institutions where language is taken seriously. It’s really opened up possibilities, we are really thinking out of the box,” she says. “But for me the project will not be fulfilled if we have 20 books published and they are lying on the shelves. What’s really, really important is for people to unearth the ideas that are lying between the covers of these books.”
Peer Reviewed Non-Subsidy-Earning Journal Research Publications


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


Jacob, A.P. The Research Lifecycle at Rhodes University: The Optimum Combination of Spaces for Researchers to Flourish, Manage Research Data and Generate Knowledge, supported by analytical systems. SARIMA. Coastlands; Umhlanga, Durban. South Africa. May 2016.
The Centre for Higher Education Research, Teaching and Learning (CHERTL) undertakes staff and student development through formal qualifications, short courses and a variety of other initiatives. The Centre's focus on higher education research is underpinned by the understanding that educational problems require theorised solutions that move beyond the constraints of dominant common sense approaches.

In 2016, CHERTL celebrated the graduation of three (3) PhD and thirty-two (32) Postgraduate Diploma in Higher Education scholars. The centre's staff and associates also published ten (10) book chapters, fifteen (15) journal articles and presented sixteen (16) conference papers.

Postgraduates / Graduations

In 2016, CHERTL continued to offer the Postgraduate Diploma in Higher Education to academics from universities across South Africa, including staff from within Rhodes University. This course offers a broad introduction to the higher education sector with a particular focus on teaching and learning. Thirty-two (32) students graduated from this programme in 2016, four (4) of whom graduated with distinction.

The CHERTL PhD programme continues to be offered to academics across South Africa and from six (6) other countries in the Southern African region and further afield. In 2016, three (3) PhDs graduated:

- Tarsizius Nampota: Emergent governance practices in the University of Malawi following reform implementation from 1997 to 2013
- Karen Ellery: Epistemological access in a science foundation course: A social realist perspective
- Sue Giloi: The knowledge-knower structures used in the assessment of graphic design practical work in a multi-campus context.

Distinguished Visitors / International Visits

In 2016, CHERTL enjoyed visits from four (4) distinguished visitors.

Professor Thierry Luescher from the University of Free State gave a public lecture entitled: The 2015/16 SA student movement and 12 propositions for investigating its character and significance in March 2016. Also in March 2016, Professor Paul Ashwin, from Lancaster University gave a guest lecture entitled: The challenges of capturing the transformative power of higher education in comparisons of quality: Why would going to university change anyone?

In July 2016, Professor Rebecca Schendel, from the Institute of Education in London, ran a workshop for staff and PhD scholars entitled: Critically consuming (and using) quantitative data in higher education research.

In October 2016, Professor Michael Samuel from the University of KwaZulu-Natal offered a seminar entitled: Life History Methodology and Narrative Enquiry.

Significant Research Aligned Events

In 2016, CHERTL offered a number of research related events, which included the following...
workshops, panel discussions and seminars:

A hands-on workshop entitled “Beyond the academy: How to write for non-academics” in which Carolyn Southey (Editor, The Conversation) and Thabo Leshio (Politics Editor, The Conversation) was hosted about using media better to expand research dissemination.

A panel discussion entitled: “Research, Education and Transformative Social Movement” with Emmanuel Mgwashu, Enocent Msindo, Thierry Luescher, Heila Lotz-Sisika and Sarah Sephton.

As is tradition, in 2016 we invited some of our previous graduates back to run workshops for our current PhD scholars. These included: “Describing the implicit: uncovering specialist knowledge-knower structures in assessment practice” by Sue Giloi, “Managing large data sets” by Thandeka Mkhize, and “The ongoing process of dialogue with data using Legitimation Code Theory)” by Karen Ellery.

Alongside the usual ‘Doc Weeks’ comprising public lectures, seminars, workshops and scholar presentations, in July 2016, CHERTL held a Writing Boot Camp whereby twenty-three (23) PhD candidates spent a week at the Continuing Education Centre engaged in a structured writing week.

CHERTL, Rhodes University, continues to be the lead institution on the ‘Strengthening Postgraduate Supervision’ project (postgradsupervision.com). This course has been offered over fifty (50) times nationally at twenty-three (23) universities and offers a space for the development of supervision to grow knowledge production in the country. It is certified through Rhodes University and offered through both the Teaching Development Grants and Research Development Grants of various universities, as well as a Department of Higher Education and Training (DHET) collaborative grant held by CHERTL.

CHERTL, Rhodes University, is also the South African lead in a multi-institutional EU Erasmus Mundus+ funded initiative to develop Postgraduate education across the country. The ‘Enhancing Postgraduate Environments’ project has resulted in the development of a number of online resources for research based degrees: postgradenvironments.com

With the National Research Foundation (NRF) funded project ‘Social Inclusion in Higher Education’ drawing to a close, the extended NRF funded project ‘Institutional Differentiation in Higher Education’ continues successfully and all seven (7) PhD scholars in this project are making good progress. Their cross-institution studies look at the ways in which central issues related to teaching and learning play out across the higher education sector.

The NRF funded project ‘Going to university: The influence of higher education on the lives of young South Africans’, led by Professor Jenni Case, with Sioux McKenna, Delia Marshall and Osiag Moogashana, looks at how university experiences have shaped the lives of people who entered Rhodes University, University of the Western Cape and the University of Cape Town in 2009. The study has generated seventy-three (73) rich narrative interviews which have been analysed for a book due to be published in 2017.

An ESRC/NRF funded project ‘Pathways to personal & public good: understanding access to, student experiences of, and outcomes from South African undergraduate higher education’, led by Professors Jenni Case and Paul Ashwin brings together academics from eighteen (18) universities in South Africa and elsewhere to undertake a meta-analysis within three (3) themes. Sioux McKenna is the South African leader of the student experiences theme. This project targets the wealth of literature that already exists on higher education but which is often under-utilised or which, by its small scale and context-dependent nature, makes a system level understanding of the issues difficult. It is particularly pleasing that four (4) CHERTL PhD graduates are included in this project as researchers: Thandeka Mkhize, Mandy Hlengwa, Sherran Clarence and Langutani Masehela.

Dr Amanda Hlengwa, in her role as Chair of Higher Education Learning, Teaching and Assessment, Southern Africa, attended the third Annual Southern African Universities Learning and Teaching forum which took place at the University of Namibia in 2016. Arising from this, she joined an NRF funded project: The influence of rurality on student trajectories - a view from the South. If it is the case that rurality is associated with academic disadvantage, then this project argues that it would be fair to argue that in the interests of social justice and social inclusion, attention should be paid to the experience and conditions of rural students in higher education in Southern Africa.

Dr Melanie Skead participated in an international project of the Southern African Regional Universities Association (SARUA) Curriculum Innovation Network aimed developing a Southern African Masters degree in Climate Change and Sustainable Development. In addition to her role as lead curriculum developer and facilitator of the curriculum innovation project, she was involved in researching the curriculum innovation project spanning seven (7) Southern African countries. She also researched the implementation of academic staff development to enable the implementation of the curriculum developed through this project.

Dr J o-Anne Vorster
Head of Department
### Books/Chapters/Monographs

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Year</th>
<th>ISBN</th>
<th>Publisher</th>
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<tbody>
<tr>
<td>McKenna, S.</td>
<td>Linking the ‘know-that’ and ‘know-how’ knowledge through games: a quest to evolve the future for science and engineering education</td>
<td>2016</td>
<td>9781317937216</td>
<td>Higher Education Research and Development</td>
</tr>
<tr>
<td>McKenna, S.</td>
<td>Possible futures for science and engineering education</td>
<td>2016</td>
<td>9781317937223</td>
<td>Higher Education Research and Development</td>
</tr>
<tr>
<td>McKenna, S. and Muthana, E.L.</td>
<td>Death of the PhD: when industry partners determine doctoral outcomes</td>
<td>2016</td>
<td>9781317937230</td>
<td>Higher Education Research and Development</td>
</tr>
<tr>
<td>Quinn, L. and Vorster, J.A.</td>
<td>Epistemically Diverse Curriculum for a Course for Academic Developers</td>
<td>2016</td>
<td>9781317937247</td>
<td>South African Journal of Higher Education</td>
</tr>
<tr>
<td>Belluigi, D.Z.</td>
<td>Constructions of Roles in Studio Teaching and Learning</td>
<td>2016</td>
<td>9781317937261</td>
<td>International Journal of Art &amp; Design Education</td>
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### Peer Reviewed Subsidy-Earning Journal Research Publications

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<th>Author(s)</th>
<th>Title</th>
<th>Year</th>
<th>ISBN</th>
<th>Publisher</th>
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<tr>
<td>Belluigi, D.Z.</td>
<td>Constructions of Roles in Studio Teaching and Learning</td>
<td>2016</td>
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<td>International Journal of Art &amp; Design Education</td>
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### Additional Notes

Rhodes University Research Report | 2016


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


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


Concerts, Exhibitions, Performances, Workshops, Events


Photo: Tarryn Gillitt

Centre for Higher Education Research, Teaching & Learning
The Rhodes University Community Engagement Division (RUCE) has a strategic role to fulfil as the University more broadly seeks to reimagine itself as an engaged University - one which is both responsive to the socio-political context in which it is embedded, and one which produces graduates and research which contribute to sustainable development within that context. In fulfilling this role, RUCE works alongside academic departments, students and researchers to facilitate transformation in the teaching, learning and research practices within the university.

Globally, the engaged research paradigm has gained traction, and Rhodes University continues to house internationally renowned engaged research programs with meaningful community based partnerships. In 2016, two (2) of these outstanding programs were recognised and jointly awarded the Vice-Chancellor’s Distinguished Award for Community Engagement.

Associate Professor Warren Potts and the Recreational Fisheries Research Group were recognised for their six (6) years of engagement within fishing communities to improve practices for sustainability of fishing stock, and in order to improve the health and survival of the fish that they release.

Professor Heila Lotz-Sisitka and the Water Research Commission (WRC) Amanzi for Food Research Programme were recognised for their large scale engaged research project on rainwater harvesting for food production in the face of the challenges brought about by climate change.

The emerging discipline of the Scholarship of Engagement is gaining momentum internationally, and Rhodes University is establishing itself as a national hub of research and Postgraduate study. In 2016, RUCE welcomed Ms Benita Bobo into the team as a full time academic staff member to work in the flourishing volunteerism space and conduct research within the scholarship of engagement more broadly.

Ms Diana Hornby and Dr Sharli Paphitis are heading up the RUCE team on the three (3) year Erasmus+ Common Good First project which launched in October 2016. The project aims to showcase, network and enhance community-based social innovation projects across South Africa through digital storytelling.
Dr Sharli Paphitis was awarded a three (3) year grant for her transdisciplinary research project on Epistemic Justice and Engaged Research through the National Research Foundation (NRF) Community Engagement funding instrument. The project will see a team of Postdoctoral Research Fellows and students joining the division from 2017.

International Visits
Ms Diana Hornby travelled to Buenos Aries, Argentina, to represent the RUCE division at the 19th International Service-Learning Conference, strengthening already established South-South ties.

Dr Sharli Paphitis and Dr Lindsay Kelland presented at the Global status of Women and Girls Conferences hosted by Christopher Newport University, USA, on their engaged research project, Siyahluma - which was the Vice-Chancellor’s Community Engaged Award winner of 2015.

Dr Sharli Paphitis also presented her research on epistemic justice at the Ethics and Politics of Community Engagement in Global Health Research Conference hosted by Trinity College, Oxford.

Significant Research Aligned Events
In 2016 the RUCE team hosted the Second Annual Community Engaged Learning Symposium. The event was a huge success, attracting national and international community engaged learning practitioners both from within the academy and community partner organisations.

The Symposium has grown considerably since the first year, with over one hundred (100) delegates from fourteen (14) institutions and over sixty-five (65) presentations in 2016.

In 2016, RUCE also partnered with the Journal for New Generation Sciences, and Dr Sharli Paphitis and Ms Kim Weaver are editing a special edition of the journal dedicated to articles presented at the Symposium.

Ms Diana Hornby
Director: Community Engagement

Dr Sharli Anne Paphitis
Systems and Scholarship Coordinator

Ms Diana Hornby and Dr Sharli Paphitis with delegates at the first consortium meeting for the Erasmus+ Common Good First Project held in Port Elizabeth.

Photo: Supplied by the Community Engagement Division
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications

Paphitis, S.A.


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

Bobo, A.B.D.


Hornby, D.


Paphitis, S.A.


Paphitis, S.A.

Pearse, N.J. and Paphitis, S.A. Developing and Implementing a Service-Learning Module into an MBA Programme: Critical perspectives from facilitators, students and partners. 2nd Annual Community Engaged Learning Symposium, Rhodes University, Grahamstown, South Africa. May 2016.
Disruption has been one of the key drivers for the reshaping of academic libraries over the years. New technologies; high cost of information resources and dwindling budgets; changing user profiles, learning styles and needs; demand for alignment to institutional imperatives and a demonstration of value to the academic project; new roles and new competencies for staff have been identified as key disruptors for academic libraries. By adopting strategic thinking and strategic planning, academic libraries embrace disruption easily and are adept to change.

The Rhodes University Library (RUL) is guided by a Strategic Plan (2013-2015) which has been extended to 2019. This Plan takes into cognisance the trends and developments impacting academic libraries with specific reference to the librarian’s role in research, undergraduate student success, information literacy, new roles and competencies for librarians, and the library as place within the academic context.

A strategic review which was held on 02 February 2016 and guided by the theme “Academic Library Practice in an Age of Disruption” confirmed that the identified priorities - Positioning the Library, Dynamic User Services, Staff Development and Technology & Innovation - are still relevant and pertinent. Transformation and Risk Management were identified as additional priorities based on the University’s transformation agenda and challenges posed by utility shortages, facilities management and sustainability.

For the purposes of this report, the activities relating to the following strategic priorities impacting research will be highlighted:

1. Promote the Library’s values of service, scholarship, respect, and the provision of diverse resources, and stimulating places as a foundation for University life.
2. Provide access to appropriate, authoritative and relevant resources and services at the point of need and in the users’ environment.
3. Strengthen existing delivery services (physical, electronic and digital), while integrating new technologies, tools and services for information discovery and delivery.
4. Champion Open Access (OA), open publishing and scholarly communication.
5. Implement scholarly communications.
6. Investigate tools and initiatives to enhance access to information resources and the visibility of RU research.

1. Promote the Library’s values of service, scholarship, respect, and the provision of diverse resources, and stimulating places as a foundation for University life.
The Library has consolidated its position:

- As a stable, centrally located and well managed facility with its various Commons (Research Commons and Postgraduate Commons) catering for different user groups; excellent individual and group study spaces; training, meeting and seminar facilities for use by the broader Rhodes community; an abundance of natural light and ventilation according to green principles; and comfortable furniture that have all resulted in a communal, social, contemplative and scholarly atmosphere.
- In the face of the digital deluge of information, as a trusted place for accessing authentic information in support of academic scholarship.
- During protests and academic disruption as an accessible safe and secure space, despite repeated barricades, damage to several windows, reduced hours, and stricter access and security controls.
- As the driver of Open Access and the promotion of Open Scholarship at the University.
- As an organisation willing to support the participation of its staff in national and regional professional associations and leadership.

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

3. Strengthen existing delivery services (physical, electronic and digital), while integrating new technologies, tools and services for information discovery and delivery.
- Membership to the South African National Library and Information Consortium (SANLiC). Through its membership to the SANLiC, the RUL continues to provide access to the most relevant and authoritative knowledge resources for research. In 2016 SANLiC member institutions participated in six hundred and ninety-six (696) SANLiC negotiated subscriptions, across one hundred and seventy-three (173) products from fifty-one (51) publishers.
- The Library continues to facilitate the acquisition of InCites, the customized, web-based research evaluation tool that allows researchers to analyse institutional productivity and benchmark their output against peers worldwide, and the training of academic staff in the use thereof.
- As a willing development partner to explore new library applications and platforms such as ContentPro, SAPnet and Open Journal Systems (OJS).

4. Champion Open Access (OA), open publishing and scholarly communication

- Draft Open Access Policy: The Library was tasked by the Research Committee to lead the process of drafting an Open Access Policy for the University, which was compiled on 15 August 2016. This draft policy incorporates the National Research Foundation (NRF) Open Access requirement, that from 01 March 2015, all publicly funded authors “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.” (NRF, 2015).
- The Draft Open Access Policy was circulated and tabled at the Research Committee Meeting held on the 18 August 2016 and the Library Committee Meeting held on 23 August 2016, for comment and amendments. It was recommended that the draft policy be further tabled at the respective Faculty Board Meetings for comment and feedback.
- As an active collaborative partner within the regional SEALS consortium.

The Library Services team is committed to providing excellent research and learning support services to the Rhodes community.
Open Access and support to academic institutions to realise their Open Access strategy.

- The Director and Librarian: Scholarly Communications attended the UCT Open Access Symposium 2016 “Empowerment through Open Scholarship: Transcending Boundaries”, 04-09 December 2016, Cape Town. This Symposium also addressed the agenda for SPARC Africa, which will be facilitated from UCT Libraries.

- The scheduled programme for Open Access Week 2015 and 2016 were cancelled as it coincided with the national #FeesMustFall protests and institutional shutdown during October 2015 and 2016.

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

- Ms Anelise Mente, Faculty Librarian attended the four (4) week residential Enhancing librarians' ICT skills for research enablement in African universities: a Carnegie CPD programme, Department of Information Science, University of Pretoria, 29 October to 26 November 2016.

5. Implement scholarly communications

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 and Metadata were identified as critical new posts during a review of the RUL organogram and vision. Ms. Debbie Martindale and Ms. Khawulile Radebe were appointed to these posts respectively in 2016.

- Larshan Naicker and Debbie Martindale attended the NRF-hosted ORCiD Workshop in Pretoria on 19 July 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.

6. Investigate tools and initiatives to enhance access to information resources and the visibility of RU research

- Ensured that the Rhodes Digital Commons, the RU institutional repository (see infographic), 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.”

- As part of its Digitisation Mandate, the RUL has identified for digitisation several research collections located within academic departments and Institutes. To ensure legal compliance with intellectual property and copyright requirements, Ms Thanusha Naidoo (Manager: Contracts and Intellectual Property, Research Office) assisted the Library with the drafting of the agreement that will form the basis of future digitization initiatives between the Library and Rhodes entities.

The first formal agreement has been signed between the Library and the Institute of Social and Economic Research (ISER) for the development of the digital ISER collection. This collection of one hundred and sixty (160) items, which includes books, working papers, articles and pamphlets, will be digitized, assigned metadata and uploaded onto the RU Digital Commons, an Open Access repository.

- As social media is widely used in promoting RU research, the RUL maintains the following accounts and posts regularly:
  - Digital Object Identifier (DOI) registration: Rhodes
  - ORCID Workshop on 29 October to 26 November 2016 were cancelled as it coincided with the national #FeesMustFall protests and institutional shutdown during October 2015 and 2016.
Library Services

University joined the Publishers International Linking Association (PILA) by registering with Crossref, which is the official Digital Object Identifier Registration Agency of the DOI Foundation. As such the Digital Object Identifier (DOI) service (ISO Standard 26324) has been deployed to register content held in the institutional repository and Open Journal System (OJS) with a permanent unique digital identifier. The integration of the DOI framework is based on several critical strategic processes, including:

- Support for the Linked Data (Web3) environment;
- In anticipation of the NRF requirement for research output and research datasets to be assigned a unique identifier, preferably DOI;
- The integration of the DOI with the ORCID (Open Researcher and Contributor ID) framework, allowing for content to be readily registered with the author's research profile;
- Link persistence despite possible changes in ownership;
- Increases content visibility (drives traffic via partnerships etc.)
- Centralized linking agreement;
- Full OpenURL integration;
- Increased quality of citation tracking;
- Turn references into hyperlinks.

Examples of DOIs registered for Rhodes University:

http://search.crossref.org/?q=african+Music%3A+journal+of+the+african+music+society&publisher=Rhode University

- 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 enables the RUL to host and provide retrospective access to journals published by Rhodes entities. The current content includes two journals:
  - Southern African Journal of Gerontology (Rhodes curator) – 1993-2000, of which the complete set of this journal, originally published by UCT/HSRC, has been digitized and is available online. The collection is available at http://journal.ru.ac.za/index.php/sajog.
  - African Music: Journal of the International Library of African Music (Rhodes publisher via ILAM) - 1954-2016. An agreement between Rhodes University Library and the International Library of African Music (ILAM) allowed for all back copies of this unique and internationally renowned and distinguished journal, to be made publicly accessible via the Library’s Rhodes Hosted Journals Service. All volumes since 1954 have been loaded and is accessible online with a two (2) year rolling embargo placed on access to the latest volumes. The collection is available at http://journal.ru.ac.za/index.php/africanmusic.

Several discussions have been held with RU editors with the intention of making their journals Open Access and/or streamlining the publishing process as this system enables every stage of the refereed publishing process, from submissions through to online publication and indexing. The system complements the current institutional repository allowing for the management of serial publications including subscriptions.

- ISER Project: The RUL entered into a collaborative agreement with the Institute of Social and Economic Research (ISER) to digitise and make accessible approximately one hundred and sixty (160) ISER publications. As a research institute since its inception in 1954 at Rhodes University, ISER has developed a diverse portfolio of collaborative research initiatives, which were published in various publication formats. These have greatly contributed towards the national discourse on the impact of apartheid on the socio-economic conditions, developmental and political concerns of the Eastern Cape and greater South Africa. Increasingly, publications with the ISER research theme of Social Policy and Labour Studies will be reflected in the collection.

The RUL, through ISER, was approached to assist with determining the feasibility of relocating the Labour Research Service (LRS) archive (http://www.lrs.org.za/index.php/services/32-services/services/32-trade-union-library) to Rhodes University. The intended project will add considerable value in terms of researchers gaining online access to this valuable labour-related collection. The Head: Technical Services has undertaken a feasibility study, which included a visit to the archive in Cape Town to determine the depth and scope of archive. This feasibility study will be concluded shortly.

Furthermore, in support of establishing Rhodes University as the centre for labour-related research, discussions were initiated with Mr Elijah Chiwota, the editor of the South African Labour Bulletin, with the intent of determining whether the historical collection of the South African Labour Bulletin may be hosted on the RUL Open Journals platform.

Reintegration of Cory Library

The Cory Library reintegration into the administrative and governance structures of the Rhodes University Library was approved by Senate on 05 June 2015 and the reintegration implementation commenced in January 2016. The implications hereof include:

- Dr Cornelius Thomas now forms part of the RUL management team and reports to the RUL Director.
• Strategic alignment - a review process was conducted with the entire staff of Cory Library on 20 June and 18 August 2016 with the intention of aligning Cory Library activities with the strategic priorities of the RUL.

• Several infrastructure upgrades (including security and ICT) - a new security detection system was installed at the entrance of the Cory Library.

• Collection development and management (print and digital) - an assessment of the Cory collections was undertaken and the digitization of the theses held in Cory was completed.

• Staff development - Ms. Louisa Verwey attended a five (5) day ITOCA digitisation course from 26-30 September 2016 in Pretoria.

• Consideration of Cory Library as a research space.

• Continued academic project.

Closed Access Collection: From early July 2016, the open stacks in Cory Library are being managed as a Closed Access collection and are no longer open for browsing. Books are released to researchers on the same basis as archival material.

New Deposits: Cory Library has secured the following deposits:

• From Alan P Bamford four (4) linear metres of Eastern Cape bound serial publications (received), and thirty (30) linear metres of mostly Eastern Cape books (to be received later).

• From Michael Barry the “Schauderville letters” of the late Irish Catholic priest, Fr. Goodwin.

• The Jean Ons deposit of the Charles Butler papers, consisting of about forty (40) archival boxes of original material.

• The Vivian Frederick FitzSimons deposit of text and photographs.

Publications

• Cory Library’s Grahamstown Series No. 15, Diary of Captain J ames Maurice Primrose. The Tyser family and Lord Remnant contributed approx. R28,000 towards the printing of the book, which was launched in Cape Town on 29 January 2016.

• Work is being done to produce a book from Dr Pat Gibb’s manuscript on the social-dynamics of coal-mining in the Molteno area. This book will be no. 2 in the Eastern Cape Themes, as approved by the previous Advisory Board.

• Cory Library managed the publication of J ames Matthews, Gently Elvis My Soul, and launched this book of poetry in Grahamstown and Cape Town.

Windfall: Working with the Development and Communications Division and the Office of the Registrar, Cory Library crafted and provided a high-resolution copy of a Walter Battiss water-colour for use on the cover of Christopher L. Vaughn’s book On the Shoulders of Oldenburg: A Biography of the Academic Rating System in South Africa. In reciprocation, Dr Vaughn, an alumnus and Old Rhodian award recipient, donated R25,000.00 to Rhodes University.

The ability to adapt and be agile in times of disruption is crucial for sustainability. The RUL is committed to ensuring a proactive role within the changing landscape of the University.

Ms Ujala Satgoor
Director: Library Services

Rhodes University Library

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

Mente, A.
Mente, A. Rhodes University Library: a shift from “you’re not allowed to use Facebook in the library” to “please like and follow our page”. Library & Information Association of South Africa (LIASA), 17th Annual Conference, Durban, KwaZulu-Natal.

Naicker, L. and Van der Walt, W.

Van der Walt, W.

Satgoor, U.

Van der Walt, W.

Van der Walt, W.

Cory Library

Books/Chapters/Monographs

Thomas, C.C.

Mente, A.
Mente, A. Rhodes University Library: a shift from “you’re not allowed to use Facebook in the library” to “please like and follow our page”. Library & Information Association of South Africa (LIASA), 17th Annual Conference, Durban, KwaZulu-Natal. Available: http://hdl.handle.net/10962/3488.

Naicker, L. and Van der Walt, W.

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Naicker, L. and Van der Walt, W.

Satgoor, U.

Van der Walt, W.

Van der Walt, W.
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, nonprofit finance, and accounting education.

**Professor Jackie Arendse** wrote eight (8) 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 mentor and supervisor. An important contributor as supervisor was the graduation of seven (7) Masters degree candidates and two (2) PhDs.

**Ms Peta Myers** published two (2) peer-reviewed subsidy-earning journal articles on knowledge structures in introductory-level university accounting.

**Professor Mark Bunting** continued his research work on economic and financial theories of the nonprofit organisation.

**Professor John Williams**

*Acting Head of Department*
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications

Myers, L.P. (2016) An analysis of how students construct knowledge in a course with a hierarchical knowledge structure. SA Journal of Accounting Research. 31 (b) p.183-211.


Rhodes University Anthropology Department is a small dynamic department with four (4) academic and two (2) research staff members. Dr Ivo Ngade, our Postdoctoral Research Fellow from Uganda, completed his final year of Postdoctorate research. The staff continued their involvement in a number of exciting research initiatives.

Dr Michelle Cocks, Professor Charlie Shackleton (Department of Environmental Science) and their Postgraduate students began the implementation of their National Research Foundation (NRF) funded project (valued at R2.7 million). The project aims to understand the role and significance of urban green spaces in small towns in the Eastern Cape.

Dr Patricia Henderson spent part of her sabbatical undertaking research with rural AIDS orphans in KwaZulu-Natal. She also spent time working on research pieces which she will publish in 2017.

**Postgraduates / Graduations**

2016 was an exciting year for the Department as two (2) PhD candidates, Emma Sitambuli and Volkher Von Lengeling, were awarded their Doctoral degrees. Emma’s thesis examined the influence of NGOs on the Involuntary Community Resettlement processes, with special reference to the Kariba case, Zambia; and Volkher’s thesis had a local focus, exploring homestays as a commercial hospitality development project in Grahamstown. Bursaries were awarded to three (3) of our Honours students to complete their Honours degrees.

**Distinguished Visitors / International Visits**

In 2016 an MoU with Münster University provided the opportunity for Dr Joy Owen to teach courses on Congolese Transregional Migration to undergraduate students and Research Methods to the German Postgraduate students in April to July 2016. As part of the exchange program, Jula Koch from Münster University visited our department and taught Indian Ocean Ethnographies to our Anthropology second year class. The collaboration between the two (2) universities has greatly benefited both the staff and students of the department.
Significant Research Aligned Events

Staff and student’s research initiatives resulted in the publication of a book chapter, four (4) peer reviewed papers and the delivery of five (5) papers and a poster at local and international conferences.

Dr Michelle Cocks awarded three (3) NRF bursaries to Masters students towards a multi-disciplinary research project entitled ‘A place to belong: urban planning, housing and greening’. Bursaries were awarded to Lindsey Welsh (Anthropology Department), Amanda Manyani and Dennis Radeba (both Environmental Science Department). Co-supervision of these students with Professor Shackleton from the Department of Environmental Science ensures cross-over of research perspectives and methodologies.

Dr Cocks hosted a group of twelve (12) secondary school teachers from the USA as part of their four-week ‘cultural immersion’ in South Africa. The objectives of the project included improving cross-cultural competence of USA teachers and to create and disseminate curricular resources that can be used to teach about South African culture and history in USA schools. The initiative was started by Dr Donyell L. Roseboro from the Secondary Education Department of Instructional Technology, Foundations, and Secondary Education, Wilmington, USA. As part of their training school teachers were encouraged to read Voices from the Forest (authored by Tony Dold and Michelle Cocks). The school teachers participated in Dr Cocks’ CE program Inkcubeko Nendalo activities, visited local schools and participated in forest outings together with learners.

In June 2016 Dr Cocks presented a paper co-authored with her MA student, Avela Njwambe, at the Political Ecologies of Conflict, Capitalism and Contestation conference at Wageningen University. The paper will be published in a special issue of Journal of Southern African Studies (JSAS).

Janet Hayward presented aspects of her PhD studies at SciFest Africa and ThinkFest. Her presentations ‘Unraveling a triple helix: ways of knowing about foreign ancestry’ and ‘Ways of knowing: the history, biology and ethnography of contemporary amaMpondio and amaBomvana clans descended from foreign forebears’ were well received.

Dr Michelle Cocks
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


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

Aswani, S.


Concerts, Exhibitions, Performances, Workshops, Events


International Visits


Secondary school teachers from the USA and local learners participating in Dr Cocks’ Inkunubeko Nendalo, forest experience.

Photo: Supplied by the Department of Anthropology
The Department of Biochemistry and Microbiology had another productive research year, due to the collective efforts of all the staff and research students. The department is home to two National Research Foundation SARChI Chairs, namely the Marine Natural Products and the Molecular and Cellular Biology of the Eukaryotic Stress Response Chairs. The Chairs, together with the Research Unit in Bioinformatics, the Biomedical Biotechnology Research Unit, the Medical Research Council (MRC) University Flagship Drug Discovery Programme, the Enzyme Science and Technology Programme and the Mycorrhizal Research group form a formidable group of talented scientists, producing quality research as highlighted below.

Postgraduates / Graduations
A total of sixteen (16) Honours, eleven (11) Masters and three (3) PhD students graduated from the Department in 2016. We are particularly proud of Dr Sagaran Abboo, the Chief Technical Officer in the Department, working on a Water Research Commission (WRC) funded research project, received his PhD degree in Biochemistry under the supervision of Professor Brett Pletschke.

Professor Pletschke accompanied six (6) of his Postgraduate students to various national conferences during the year, namely the 27th Annual Conference of the Catalysis Society of South Africa (CATSA) conference, the 25th South African Society of Biochemistry and Molecular Biology Congress (SASMB) held at the East London Convention Centre, and the DSG 2016 South African Society for Microbiology (SASM) conference, where their research findings were presented.

Mr Samkelo Malgas, received an award for presenting one of the top three posters at the CATSA 2016 conference. PhD candidates Sarah Kituyi and Stacey Mattison represented BioBRU and the department at the 8th international conference on the Hsp90 chaperone machine, where they presented their PhD research to a group of leading international researchers in the area of chaperone biology. BioBRU was also well represented at the SASMB 2016 Congress. This is a leading national conference in the area of biochemistry and molecular biology.

Postgraduate students William Samson, Stacey Mattison, Shantal Maharaj, Sarah Kituyi, Hayley Jackson, Maxine Hoft, Laura Dingle and Natasha Boel all gave oral presentations on their research at this meeting, while Jason Sterrenberg, Roxanne Thornton and Michaelone Vaaltyn presented posters.

Postgraduate students who also gave oral presentations at the SASMB congress include Dustin Laming, Tarryn Swart, Aminu Usman and Olusegun Adeyoye.

PhD candidate Samantha Waterworth, a member of the Marine Natural Products Research Group, attended the 11th International Marine Biotechnology (MB) Conference in Baltimore, USA. Her presentation was judged the “Best Oral Presentation” at the conference. Samantha was also awarded a WhiteSci...
travel award to attend the conference and is the first recipient of this award in the Department of Biochemistry and Microbiology at Rhodes University. After the IMB Congress, Samantha visited the laboratory of Dr Jason Kwan at the University of Wisconsin in Madison.

Carli Weyers presented her research as a poster at the All Africa Congress on Pharmacology and Pharmacy in Muldersdrift in October 2016.

Bioinformatics PhD candidate, Caroline Ross, was awarded a Scientific and Technological Research Council of Turkey 2016 Fellowship for International Researchers, which afforded her the opportunity to attend Sabanci University, Turkey, in 2016, where she completed part of her doctoral studies.

Professor Özlem Tastan Bishop was awarded a three-year NRF collaborative Postgraduate training grant to establish collaborative research projects and train students from previously disadvantaged universities. Participant universities are the University of Fort Hare, the University of Limpopo, the University of Venda and NMMU.

Distinguished Visitors / International Visits

In June 2016, Professor Hoppe attended the annual DFG (German Research Foundation) conference on German-African collaborations in Infectiology in Yaounde, Cameroon. The conference aimed to foster collaborations in order to strengthen research capacity in African neglected diseases. Professor Hoppe presented malaria research being done in this regard with collaborators Professor Przyborski (Phillips University Marburg) and Professor Shonhai (Univen). Professor Hoppe was also a keynote speaker at the Frank Warren conference of the SA Chemical Institute, held in Grahamstown in December 2016.

Professor Dames presented research on the Kalahari Truffle at the 8th International Workshop on Edible Mycorrhizal Mushrooms in Cahors, France in October 2016. This was followed by a visit to the mycorrhizal group of Professor Marc-André Selosse at the National Natural History Museum in Paris. She then attended a training workshop on the In vitro Culture of Arbuscular Mycorrhizal Fungi in Belgium.

Professor Pletschke attended and presented his research group’s findings at the 38th Symposium on Biotechnology for Fuels and Chemicals in Baltimore, USA, on 25-28 April 2016, and at the 24th European Biomass Conference & Exhibition (EUBCE), in Amsterdam, in the Netherlands on 6-9 June 2016; he also presented his research group’s findings at Lund University, Lund, Sweden, acting as an external faculty opponent for a PhD candidate in the Faculty of Science. Two (2) of Professor Pletschke’s Postdoctoral Research Fellows, Dr Abhishek Bhattacharya and Dr Ankila Bhattacharya, also presented their work at the IRF International Conference in Nagpur, India in June 2016.

Dr Gwynneth Matcher attended the 34th Scientific Committee of Antarctic Research conference in Malaysia in August 2016. The conference focused on research in the extreme Antarctic region. At the conference, a research consortia led by Professor Pearce, Northumbria University, was initiated to determine the transport of microbiota via air currents and winds in the Southern Ocean area. As the sole South African representative, Dr Matcher will be responsible for sampling the air masses in South Africa as well as in the Western Dronning Maudland area of Antarctica (the location of the South Africa research base, SANAE IV).

Significant Research Aligned Events

In December 2016, an all-female team consisting of Dr Gwynneth Matcher (principal investigator) and two (2) PhD candidates, Sunet van Aswegen and Karin Staebe, went on a research expedition to Antarctica. The focus of this research project is characterisation of the microbial population endemic to Western Dronning Maud Land. The microbes (bacteria, fungi, eukaryotes and viruses) in this part of the continent have not been studied to date so this project will fill a significant gap in our knowledge and understanding of these unique ecosystems. During the month and half spent in this extreme environment, temperature monitoring stations were set up to monitor temperature fluctuations in selected meltwater pools. In addition, lichen, hypolith, soil, air and water samples were collected for numerous locations in order to determine the effect of soil substrate, altitude, aspect, water/nutrient availability and glacial isolation events on the microbial populations.

Dr Brendan Wilhelmi
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subsidy-Ending Journals
J. Phys. E.


Photo: Supplied by the Department of Biochemistry and Microbiology


Isaacs, M. and Hoppe, H.C.


Isaacs, M., Mkandhla, D. and Hoppe, H.C.


J ukes, M.D., Motsoeneng, B.M. and Knox, C.


Knox, C.


Malgas, S., Abboo, S. and Pletschke, B.I.


Matcher, G.F.


Mattison, S.A., Blatch, G.L. and Edkins, A.L.


Moses, V., Hatherley, R. and Tastan Bishop, O.


Mysyoka, T.M., Kanji, A.M. and Tastan Bishop, O.


Parker-Nance, S. and Dorrington, R.A.


Penkler, D.L., Jiwaji, M., Short, J.R. and Dorrington, R.A.


Pletschke, B.I.


Ross, C., Upfold, N., Tastan Bishop, O. and Knox, C.


Siddarthan, V. and Mukhopadhyay, A.


Upfold, N. and Knox, C.


Upfold, N.

Whiteley, C.G.


Peer-reviewed Proceedings


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


Dingie, L.M.K., Wilhelmi, B.S. and Edkins, A.L.


Edkins, A.L.


Hoff, M.A. and Edkins, A.L.

Hoppe, H.C.

Jackson, H.C. and Edkins, A.L.


Kibuly, S.N. and Edkins, A.L.

Kibuly, S.N. and Edkins, A.L.

Knöller, M.


Laming, D., Edkins, A.L. and Hoppe, H.C.

Mafa, M. and Pietschke, B.J.

Mafa, M., Bhattacharya, A. and Pietschke, B.J.

Maharaj, S. and Edkins, A.L.

Mahlangu, G. and Tastan Bishop, O.

Malgas, S. and Pietschke, B.J.


The Rhodes University Biotechnology Innovation Centre (RUBIC) went from strength to strength in 2016 through its mission of establishing an integrated approach to research, innovation and engagement.

Facilitated by collaborations with the Rhodes Business School, Departments of Biochemistry and Microbiology, Chemistry, Physics and Electronics, the Faculty of Pharmacy and the School of Journalism and Media Studies, its trans-disciplinary approach led to impactful changes in its teaching and research programmes.

Postgraduate students partnered with the Business School's Postgraduate Diploma in Enterprise management in a so-called "lean startup bootcamp" as part of entrepreneurship training. Colleagues at the School of Journalism and Media Studies and Rhodes alumnus, science journalist Sarah Wild collaborated with RUBIC through its SARChI Chair in Biotechnology Innovation and Engagement in the development of a popular science writing course aimed at science students.

Progress was made in 2016 towards technology transfer with the award of a Technology Innovation Agency grant. This award makes it possible for seed funding to help the process of advancing research from the laboratory into marketable prototypes.

An agreement signed between UNICEF and RUBIC in March 2016 kickstarted a prestigious three (3) year collaboration to develop diagnostic tests for foetal and maternal health. This research and innovation programme is led by Professor Janice Limson and Dr Ronen Fogel and supports several Postdoctoral Research Fellows and PhD candidates.

Awards
- Dr Aileen Boshoff was awarded a well-deserved National Research Foundation (NRF) C rating in recognition of her contribution to the field of protein biochemistry and parasite drug discovery.
- Ms Julia Joos-Vandewalle (MSc Graduate, 2016) was awarded the S2A3 Medal for Original Research at the Masters Level by the Southern Africa Association for the Advancement of Science.

Postgraduates / Graduations
RUBIC hosted thirty-five (35) Honours, Masters and PhD students in 2016. The Centre graduated seven (7) Honours and two (2) Masters with distinction at the graduation ceremony in April 2016.
Distinguished Visitors / International Visits

The Centre was visited by Tanya Accone, Senior Adviser on Innovation at UNICEF, in August 2016 as part of the collaborative partnership between RUBIC and the UNICEF Global Innovation Centre.

Renowned synthetic biologist Professor Musa Mhlanga (UCT) visited the centre in September 2016 to give the 7th Annual PD Rose Biotechnology Lecture titled “Synthetic Biology: Overcoming the ‘Noise’ in Biological Pathways”.

Professor Mervin Meyer and his PhD candidate Ms Lauren Swart (DST/Mintek National Nanotechnology Innovation Centre- Biolabels at the University of the Western Cape) visited RUBIC to discuss collaborative work using the Biorad ProteOn XPR 36 Interaction Array System, a NRF National facility based in the centre.


Significant Research Aligned Events

RUBIC was well represented nationally and internationally at conferences with student work showcased in South Africa (Ms Sinethemba Mtwebana, MSc candidate), The Netherlands, (Mr Lance Ho, Doctoral candidate), Greece (Ms Sinoyelo Nondlazi, MSc candidate) and Australia (Dr Michael Daniyan, 2015 Doctoral graduate).

Collaborations with Distinguished Professor Tebello Nyokong at the DST/Mintek Nanotechnology Innovation Centre – Sensors, Research Fellow Dr Bonga Zuma (Goadex Pty Ltd), and Professor Addmore Shonhai (University of Venda) played an important role in the success and productivity of RUBIC in 2016 which resulted in the publication of thirteen (13) peer-reviewed journal articles.

In the second year of her DST/NRF South African Research Chair in Biotechnology Innovation and Engagement, Professor Janice Limson worked towards establishing local (Stellenbosch University) and international partnerships (UNICEF, Bath University) central to helping shape her work at the interface between science and society.

Dr Ronen Fogel ended his productive SAMRC Career Development Fellowship with a full-time position as a lecturer in Biotechnology commencing in 2017.

Dr Earl Prinsloo presented some of his students advances in additive manufacturing/bioprinting of three (3) dimensional tissue constructs at the Indian Ocean Rim Muscle Colloquium 2016 (ORMC 2016) in Stellenbosch (January 2016). The research is funded by the NRF Thuthuka Programme and Rhodes University.

Dr Earl Prinsloo
Head of Department
Professor Janice Limson
Director
Books/Chapters/Monographs


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Peer Reviewed Subsidy-Earning Journal Research Publications


Mtwebana, S.S. and Prinsloo, E.

Nondlazi, S. and Zuma, B.

Prinsloo, E.

Prinsloo, E., Mtwebana, S.S., Kadye, R., Honiball, J.R. and Maskhene, L.
Research in the Department of Botany focuses broadly on the theme of evolution and ecology of plants in response to global change. Important highlights for 2016 were the appointment of Dr Tracey Nowell and the first experiments in Elevated CO2 Facility.

Brad Ripley completed the commissioning of the Rhodes University Elevated CO2 Facility and initiated the first experiments at the Facility investigating the role of increasing atmospheric CO2 concentrations on the growth and establishments of Acacia seedlings. Brad continued his work on the ecology and evolution of C4 grasses, their interaction with savanna trees and bush encroachment, butterfly evolution and influence on fire dynamics. He received a B rating from the National Research Foundation (NRF).

Susi Vetter continued research on the dynamics and impacts of bush encroachment and on the cultural values of biodiversity. She delivered an invited keynote paper at the 51st Congress of the Grassland Society of Southern Africa.

In 2016, Craig Peter’s research focussed on ecological and evolutionary aspects of butterfly pollinated plants, notably “Pride of de Kaap”, Bauhinia galpinii, and the orchid Disa polygonoides. He continued to champion the citizen science project OrchidMAP to build an up to date virtual herbarium of orchids in Africa. He gave presentations on OrchidMAP at the first WOSA (Wild Orchids South Africa) conference in Dullstroom, to the Cape Orchid Society and at the 6th International Orchid Conservation Congress in Hong Kong. He received SANBI funding to digitise the 3000 orchid specimens held in the Schonland Herbarium, Grahamstown, to be added to OrchidMAP.

Julie Coetzee was invited as an expert panel member of the Expert Working Group of the European Plant Protection Organisation (EPPO) to conduct a Pest Risk Analysis on two (2) aquatic invasive species, Salvinia molesta and Pistia stratiotes, in Paris from 23-27 May 2016. She was also selected to sit on the Alien Species Risk Assessment Research Panel (ASRARP), hosted by SANBI, to prepare and evaluate pest risk analyses for South Africa. In addition, Julie won the Vice-Chancellor’s Distinguished Research Award for 2016.

Tracey Nowell joined the Botany Department as a lecturer in June 2016. She continued with research into the evolutionary dynamics of Cotyledon orbiculata and its close relatives. Tracey attended the Thicket Forum meeting, also in June 2016, and was voted onto the committee.

Tony Dold continued collaboration with the University of Alicante researching petaloid monocotyledons, particularly the genera Albuca, Drimia and Massonia.
A new cryptic species of Drimia from Grahamstown was described in 2016.

Ted Botta’s work has shown that the Russian Wheat Aphid is likely to become a greater threat to the small grain industry under elevated CO2 than previously thought. He has also been collaborating with the Centre for Microscopy at UKZN to determine the size of nanochannels linking adjacent cells through which sugars and other small molecules may pass as well as researching the regulation of transport between xylem and phloem.

Associate Professor Craig Peter

Acting Head of Department

Peer Reviewed Subsidy-Earning Journal Research Publications

Barker, N.P.


Bolosha, U.


Clark, V.R.


Clark, V.R., Dold, A.P. and Zikishe, V.


Coetzee, J.A.


Dold, A.P.


Goldenbury, C. and Cotypana, P.L.


Kaehler, S.


Lubke, R.A. and Webb, C.


Mckenzie, R.J.


Phaliso, N., Mckenzie, R.J., Ntsho-Nkoko, N.C. and Barker, N.P.


Riley, B.S.


Skowino, A.L. and Riley, B.S.


Vetter, S.


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Clark, V.R. and Bentley, L.


Clark, V.R., Bentley, L., Dold, A.P. and Zikishe, V.


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

Chikane, V.D. and Vetter, S.

Chikane, V.D. and Vetter, S. Effects of bush encroachment on the herbaceous layer: Feedbacks on utilization by

Coetzee, J. A.


Erasmus, Y., Ripley, B.S. and Vetter, S.


Mgwali, N. and Vetter, S.


Ripley, B.S.


Vetter, S. and Ripley, B.S.


Other Publications

Vetter, S.

The Department of Chemistry had a very good year in 2016, with a lot of work going on behind the scenes, resulting in over eighty (80) papers published in peer-reviewed journals, and graduating ten (10) PhDs and sixteen (16) MSc students. The most noteworthy aspect of this achievement is that every member of the department either supervised or co-supervised at least one of these graduates.

Dr Kevin Lobb deserves particular note, graduating four (4) PhD candidates in one ceremony! This is no small feat and earned a vote of congratulations from the Vice-Chancellor at the annual graduation luncheon.

In keeping with her excellent and consistent performance, Professor Nyokong led the Centre for Nanotechnology Innovation with distinction, publishing nearly fifty (50) articles in international journals and a monograph which she co-authored with Dr Samson Khene. She also travelled to Addis Ababa to receive the prestigious African Union Kwame Nkrumah Scientific Continental Award – once again being recognized for her outstanding research. Under her leadership the Centre for Nanotechnology Innovation has been recognized by the CSIR as the joint leader in scientific publications, one of her Masters students, Jessica Harris, received the 2016 South African Women in Science award and another Masters student, Charles O’Donoghue, progressed to the finals of the Fame Lab science communication competition.

Research in the Department has been presented to the scientific community by both staff and students at nine (9) different international conferences in Australia, China, Denmark, France, Mauritius, Russia, Sweden and the United Kingdom, as well as seven different local conferences in South Africa. Postgraduate students from the Centre for Nanotechnology have been involved in exchange visits in China, France, Japan and Romania.

In the midst of all this industrious pursuit the department of Chemistry received a burst of energy in the form of a new staff member: Dr Vincent Smith. Dr Smith has blown in from Stellenbosch, bringing a host of new skills and perspectives in crystallography, solid state chemistry and the preparation and application of supramolecular compounds.

Almost immediately upon his arrival, Dr Smith joined the Local Organizing Committee (headed by Professor Rui Krause), and helped host the Frank Warren Organic Chemistry Conference in December 2016. The one hundred and twenty (120) delegates, mostly from South Africa, enjoyed the warm hospitality of Rhodes University while sharing some world class research. Our own research was well represented, with invited talks from Dr Setshaba Khanye and Professor Heinrich Hoppe.

Postgraduates / Graduations
We are always very proud of our Postgraduates. Sixteen (16) Honours students, four (4) Masters students, and six (6) Doctoral candidates graduated at the 2016 graduation ceremony. The Department wishes all our graduates success – both those who

Honours student Mr Sicwetsha doing titrations for an undergraduate practical. Photo: Chemistry Technical Staff
have left Grahamstown in pursuit of new adventures, and those who are still with us, pursuing further studies.

**Distinguished Visitors / International Visits**

The Chemistry department continued to host the Frontiers of Science Lecture Series sponsored by the Grahamstown Foundation as part of Scifest, enjoying several public lectures on a range of topics. The department also hosted visiting researchers from Bulgaria, China and Turkey and Cameroon.

The William Barker Lecture was given by Professor Z Shen who came to us as part of an NRF SA/China collaboration with Distinguished Professor Nyokong. Other such collaborations resulted in students and staff travelling to France, China, Japan and the United Kingdom.

**Significant Research Aligned Events**

This year the Department submitted a successful grant proposal for a new high resolution mass spectrometer. The new instrument will be capable of higher accuracy than any of our current instruments, and has the capability of assisting in the measuring of protein-drug interactions. This is expected to be of significant benefit to our collaborations with Biochemistry and Microbiology in the area of drug discovery.

**Dr Rosalyn Klein**

Acting Head of Department

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**Rhodes University Research Report | 2016**

**Department of Chemistry**

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**Scifest 2016 student workshops held by the Chemistry Department Academic Staff**

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**Photo: Chemistry Technical Staff**

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**Books/Chapters/Monographs**


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


substituted 4-(N-benzylamino) cinnamate esters as potential
metal nitrides. Magnetic Resonance in Chemistry.
Powder-XRD and 14N
Britton, J. and Britton, K. (2016) Synthesis and properties of
bothermal carbonate vaterite particles: efficient system for tailored release
of hydrophobic anticancer or hormone drugs. RSC Advances.
Mack, J. (2016) Structure Based Docking and Molecular Dynamic
Studies of Plasmodial Cysteine Proteases against a South
African Natural Compound and its Analogs. Studies of Plasmodial
Cysteine Proteases against a South African Natural Compound and its Analogs. Scientific Reports.
Khan, S.D. and Veale, C.G.L. (2016) Indolyl-3-ethanol-a-thioethers: A
promising new class of non-toxic antimarial agents. European
Lobb, K.A. (2016) Analysis of non-peptide compounds as potential
Zhu, W., Huang, T., Qin, M., Li, M., Mack, J. and Liang, X. (2016) Tuning the synthetic cobalt(III)corroles electroreductive


Oluwole, D.O. and Nyokong, T. (2016) Electrochemical detection of 4-nitrophenol using AuNPs and AuNP@Ag, AuNP@AgNPs decorated carbon nanotubes. RSC Advances, 6 (2016) 3009-3018.


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

Achau, O.J., and Nyokong, T.


Ayeni, A. and Watkins, G.M.

Bankole, D.M. and Nyokong, T.


Chithamba, B., Siwe Noundou, X. and Krause, R.W.M.

Grootboom, N.S., Grootboom, N.D., Klein, R. and Lobb, K.A.

Kempgens, P.

Kempgens, P. and Britton, J.

Khanye, S.D.

Walsmsley, R.S.

Watkins, G.M.

Nel, D.
Durban, South Africa. September 2016.
African Society for Bioinformatics (SASBi) – South African Compound Database (SANCDB) and ZINC database.

Mahlangu, G.
2016.
SASCBi – South African Genetics Society (SAGS) binding sites and potential hits.

Lobb, K.A.
and Oloba-Whenu, O.
Identification

Lobb, K.A.
and Tastan Bishop, O.
In silico investigation of changes in hydrogen bond strength and distance between and

Lobb, K.A.
and Lobb, K.A.

Lobb, K.A.
and Gbayo, K., Isanbor, C., and Oloba-Whenu, O.

Lobb, K.A.
and Llob, C., and Gbayo, K., Isanbor, C., and Oloba-Whenu, O.

Lobb, K.A.
and Lobb, K.A.
and Oloba-Whenu, O.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.

Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Liang, X., Li, M., Mack, J., Kubayashi, N. and Zhu, W.

Huang, T., Liang, X., Li, M., Mack, J., and Zhu, W.

Mack, J.
and Nyokong, T.

Mack, J.
Majumdar, P., Harris, J. and Nyokong, T.
and Shen, Z.

Mack, J.
Majumdar, P., Harris, J., Gal, L., Shi, M., Nyokong, T. and Shen, Z.

Mack, J.
Majumdar, P., Harris, J., Gal, L., Shi, M., Nyokong, T. and Shen, Z.

Mack, J.
Huang, T., Liang, X., Li, M., Mack, J.
and Nyokong, T.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.

Mack, J.
Liang, X., Jiang, Y., Li, M., Mack, J., and Zhu, W.
Mashazi, P.  

Mbaba, M. and Khanye, S.D.  

Ngubeni, G.N., Kabwe, P.K., Britton, J. and Khene, S.  

Nyokong, T.  

Nyokong, T.  

Oderinlo, O., Tukulu, M. and Khanye, S.D.  

Oluwafemi, K.A.  

Sarron, A. and Lobb, K.A.  

Shumba, M. and Nyokong, T.  

Siwe Noundou, X. and Krause, R.W.M.  

Siwe Noundou, X. and Krause, R.W.M.  

Singh, A. and Lobb, K.A.  

Singh, A. and Lobb, K.A.  

Siwe Noundou, X. and Krause, R.W.M.  

Toma, C., Klein, R. and Kaye, P.T.  

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

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

Zulu, A.I.  

Zulu, A.I.  
Distinguished Visitors

Adams, J.

Al Shamahi, E.

Caulica, M.

Chan, K.S.
Professor KS Chan, The Chinese University of Hong Kong, Shatin, Hong Kong. Research Collaboration (NRF SA/China) and Lecture/Talk (including Barker Lecture). August 2016.

Edmonson, W.W.

Goods, D.

Ivanov, V.
Professor V Ivanov, Department of Chemistry and Biochemistry and Section of Medicine of the Disaster Situation, MF, Trakia University, Stara Zagora, Bulgaria. Research Collaboration. November 2016.

Ngameni, E.
Professor E Ngameni, University of Douala, Douala, Cameroon. African Network and Analytical Chemists (ANEC). ANEC consist of several research groups in the field of analytical chemistry. January 2016.

Shen, Z.
Professor Z Shen, Nanjing University, Nanjing, China. Research Collaboration (NRF SA/China) and Lecture/Talk (including Barker Lecture). August 2016.

Professor Zhen Shen, State Key Laboratory of Coordination Chemistry, Nanjing National Laboratory of Microstructures, Nanjing University. Nanjing 210046, P. R. China., Nanjing, China. Barker Lecture 2016. August 2016.

Stefanov, M.
Professor M Stefanov, Department Morphology, Physiology and Animal Nutrition, Trakia University, Stara Zagora, Bulgaria.


Wilcocks, E.

International Visits

Centane, S.S.

Kubekka, G., May, A.K. and Hlatshwayo, Z.T.

Mack, J.

Managa, M. and Harris, J.

Matlou, G.G., Mapukata, S. and Peteni, S.

Nwahara, N.U.

Nyokong, T.

Nyokong, T.

Nyokong, T.
In 2016 the research activity in the Department of Computer Science was organized around mutually supporting research groups, which are 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
(Dr Mosiuoa Tsietsi and Professor Alfredo Terzoli)
This group carries the core activity of the Telkom Centre of Excellence, focusing on the rich intersection of legacy telecommunication systems and organisations and the Internet. The theme in 2016 was ‘Unified Communications’.

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

ICT for Development
(Professor Alfredo Terzoli, Dr Ingid Sieboger, Dr Mosiuoa 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
(Prof 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 2016 the department graduated:
• Nine (9) Honours.
• Two (2) MSc (by coursework).
• Five (5) MSc (by research).
During 2016 the following number of students were in training:

- Twenty (20) Honours.
- Sixteen (16) MSc (by coursework).
- Fifteen (15) PhD.

Distinguished Visitors / International Visits

Representatives of the industry partners of the Computer Science department, both within the Telkom Centre of Excellence and outside of it, visited the department during 2016. Besides the international visits highlighted, staff and students of the Computer Science department routine attend overseas conferences. The attendance is often 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, Coriant and THRIP, a DTI programme to support industry-academia interaction). Funds were also received from “Making All Voices Count” (makingallvoicescount.org) to help scaling up MobiSAM, a Mobile Social Accountability and Monitoring platform developed in the department (mobisam.org); the CSIR Defense Peace Safety and Security (DPSS) in support of work done in Information Security; the NRF in the form of research grants associated to rated researchers and a free-standing one to investigate alternative GPU design;

The Agricultural Research Service (ARS) USA-Africa Collaboration on Ecological Modeling, with partners in Germany also, continued into its third year during 2016. So did the Appfactory project, a collaboration with the Fondazione Bruno Kessler di Trento, Italy, funded by the Italian Ministero degli Affari Esteri e della Cooperazione Internazionale.

The Siyakhula Living Lab (SLL; siyakhulaLL.org) sat in the Eastern Cape ICT Working Group, which oversees the public ICT activity in the Province. There, the SLL contributed the results of its research in the diffusion of ICT in poor communities through the schools. The activity of the Working Group in 2016 was focussed on the implementation of “SA Connect”, the national broadband initiative.

Professor Alfredo Terzoli
Head of Department

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Frieslaar, I. and Irwin, B.

Irwin, B.

Peer-reviewed Proceedings

Brown, D. and Bradshaw, K.

Brown, D. and Bradshaw, K.

Brown, D. and Bradshaw, K.

Brown, D. and Bradshaw, K.

Connan, J.


Dibley, J. and Bradshaw, K.

Eales, A. and Foss, R.

Foss, R.

Foss, R. and Lebusa, M.

Frieslaar, I.
Frieslaar, I. and Irwin, B.

Frieslaar, I. and Irwin, B.

Frieslaar, I. and Irwin, B.

Greumu, C.

Herbert, A.
Herbert, A. and Irwin, B.

Herbert, A. and Irwin, B.

Koorn, C.
Koorn, C. and Irwin, B. and Herbert, A.

Lebusa, M.
Lebusa, M. and Foss, R.

Motara, Y.
Motara, Y. and Irwin, B.

Motum, T.
Motum, T. and Irwin, B.

Motsu, T.
Motsu, T. and Irwin, B.

Motum, T.
Motum, T. and Irwin, B.
A 3-D printer available to researchers.
Photo: Supplied by the Department of Computer Science


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


Concerts, Exhibitions, Performances, Workshops, Events

Bradshaw, K.


Foss, R.

Irwin, B.

Irwin, B.

International Visits

Bradshaw, K.
Bradshaw, K. Hamburg University of Applied Sciences, Hamburg, Germany. Acceleration of Ecological Model using GPUs as part of the ARS Africa Research Project. 21 - 26 November 2016.

Terzoli, A.

Other Publications

Tsietsi, M.
Research and creative practice form a dynamic synergy within the creative and research outputs of the department. 2016 has seen further rigour in research inquiry through both traditional research outputs, including the presentation and publication of papers and the writing of articles, and in research pertaining to creative practice in the performing arts.

There is always a dialogical connection between research and practice; it is part of the way of consolidating and extending a theatre knowledge-base within the context of a university academic programme. At the centre of this inquiry are questions concerning theatre and performance itself - and its relationship to the audience and society in which it functions. This argues for extensive, diverse and applied research such as when preparing for a theatre production as a performer, choreographer, writer, designer or director. The same industrious effort is required if preparing to work within an applied theatre context in a classroom. Theatre practice draws on professional experience, education and training, innovative and creative strategies, socio-political factors as well as theoretical inquiry in order to attempt novelty and originality in both form and content. Interrogative content would require the same interrogation of theatrical form in order to achieve its transformative goal. This drives the heartbeat of the department.

Creative practice and research has meant staff participation in a number of international conferences including in Belgium, Nigeria, Sweden, the United Kingdom and the United States. Dr Heike Gehring, who recently completed her PhD, presented papers on her practice research in Morocco and Bristol, the United Kingdom. Creative practice and integrated research within the department was showcased by staff and students at the National Arts Festival.

The leadership of the Rhodes Drama Department in theatre innovation was acknowledged at a prestigious reception at the Monument during the National Arts Festival. Professor Gary Gordon, the so-called “father of South African physical theatre”, was presented with a Standard Bank Standing Ovation Award in honour of his “longstanding creative energy in South Africa’s cultural life and his enormously significant contributions to the vitality of the National Arts Festival’s Main, Fringe and Arena Programmes”.

Professor Andrew Buckland performed in Tobacco for the Fortune Cookie Theatre Company directed by Sylvaine Strike at the Market Theatre in Johannesburg. His performance was nominated for a Best Actor Naledi Award. During June 2016 and July 2016, Professor Buckland played a lead role in a new South African film directed by Kagiso Lediga.
entitled Catching Feelings which premiered at the Los Angeles Film Festival.

At the National Arts Festival, Professor Buckland performed in The Inconvenience of Wings as part of the featured artist programme. The production was written and directed by acclaimed South African director Lara Foot. The play subsequently was performed in a season at the Baxter Theatre in Cape Town and Professor Buckland was awarded the Fleur de Cup Award for Best Actor. In September 2016 and October 2016, Professor Buckland then performed in Clybourne Park at the Fugard Theatre in Cape Town to critical acclaim.

Atithia Vachia, Research Associate of the Drama Department, continued her inspirational work with students in the department. She received international commissions and her work, A Soft Target, was presented at the Riley Theatre in Leeds, United Kingdom. She also choreographed a work with students of the State School of Dance in Athens. Atithia Vachia taught at the State School of Dance in Athens as well as Trinity Laban in London.

Postgraduates / Graduations

The National Arts Festival was a site for a number of accolades for the Masters students of the Department. Masters students presented their final Thesis Projects on the fringe programme ensuring international and national networking and bringing together theatre research with professional practice.

Masters student in choreography, Kamogelo Molobye, was then invited by the Institute for the Creative Arts at the University of Cape Town to showcase his work, Gal(y)me(n)Play at the Live Arts Festival. This fellowship included facilitating discussion and leading workshops on core issues in his work such as male sexuality and the consequent (re)presentations in theatre performance.

The Rhodes Drama Department also won Best Student Production for Nyanga - a devised play that transposed Arthur Miller’s The Crucible to the Eastern Cape. The director for the production – Masters student in directing - Thembela Madliki also won Most Promising Student Director.

Recent Masters graduate in choreography, Lexi Meier, and current Masters student in directing, Sam Pennington, both received Ovation Awards for their Festival productions. Sam Pennington’s Falling off the Horn was devised with Grahamstown theatre group Uyubona ke and explored xenophobia through visual theatre.

Nomcebisi Moyikwa - a Masters student in choreography - presented her choreographic practice, Here/Her/Hear, at Detours Festival 2016 in Johannesburg. This production was supported by both the Rhodes Drama Department and First Physical Theatre Company. She also choreographed a highly challenging ensemble production, Home, on the fringe programme of the National Arts Festival.

Distinguished Visitors / International Visits

Natasha Davis presented an artistic residency with creative workshops and a performance for the postgraduate students. She completed her PhD at the University of Warwick, School of Theatre, Performance and Cultural Policy Studies where she teaches regularly to undergraduate and MA students. Her performance work centres on solo and participatory performance, installations and films for galleries, and numerous collaborations with other artists.

Dr ‘Bode Ojoniyi was a Postdoctoral Research Fellow in the Drama department from the Drama Unit of the Department of Languages and Linguistics, Osun State University, Nigeria. He held a National Certificate in Education (English/Yoruba) from Adeyemi College of Education Ondo, a BA (Hons) in Performing Arts from University of Ilorin, a MA in Dramatic Literature from University of Lagos and a PhD Performing Arts, from University of Ilorin. He published articles in local and international journals and has three published plays to his credit and a collection of Four Short Pays (2014).

Dr Aylwyn Walsh presented a seminar on Performance Ethnography - a research methodology and approach within drama/theatre/performance studies. Dr Walsh originally completed her undergraduate and Honours in Drama degrees at Rhodes University. She furthered her studies at Goldsmiths College in London, gaining an MA in Applied Theatre. She then completed her PhD through Nottingham University. She currently works at the University of Lincoln, specialising in social and political performance practices.

Professor Vicky Karkou offered workshops and seminars on dance movement and therapy. She is a qualified researcher; educator; dance teacher and dance movement psychotherapist, having worked with vulnerable children and adults in schools, voluntary organisations and the NHS. In 1998 she completed her PhD in arts therapies at the University of Manchester. She moved to Edge Hill University in 2013. Her main research and teaching area is on the arts for wellbeing which she explores through a range of qualitative, quantitative and arts-based methodologies.

Roel Twinjstra offered interactive sessions on directing, theatre administration and management. He worked as a theatre director for theatres, festivals and drama departments in many parts of the world. He has worked in the USA, Russia, Indonesia, Nepal, Morocco and in other African countries such as Uganda, Guinea, Benin – and for the past 15 years in South Africa. Since 2013 he has been living in South Africa, lecturing at UKZN in
Durban and Pietermaritzburg and directing adaptations of African novels. Themes in his work include xenophobia, child abuse, trafficking and domestic violence.

Scott Williams presented Meisner-based acting workshops. Director Scott Williams trained with Sanford Meisner at Neighborhood Playhouse in the 1970s, relocating to London in the mid-1990s following a San Francisco-based career as a teacher and director. He teaches and directs internationally and has shared his commitment to develop actors all over the world. He is a regular guest lecturer and director at a number of international schools and academies.

Jodi Bloem graduated with a MA Theatre Lab from the Royal Academy of Dramatic Art (RADA), London, graduating in 2015. Her main interests include acting (Stanislavsky), play research, devising, physical performance, play writing and voice work (Patsy Rodenburg and Kristin Linklater). Jodi is originally from Grahamstown, completing her education at Diocesan School for Girls in 2008.

Significant Research Aligned Events

First Physical – an associate project of the department - offered extensive interaction with the larger Grahamstown community. BodyForms, an educational and development initiative of the company’s ‘Dance for All’/’Adult Education’ programme was established in 2003. In 2016, the programme experienced significant growth. BodyForms offered somatic training in Contemporary Dance, Yoga and Taeko - a vigorous dance fitness programme.

Another initiative of First Physical was the Gatherings/Intlangano project: this project aimed to facilitate social dialogue between young men from Grahamstown East and West. The interactive sessions invited young men from two (2) different sectors of Grahamstown to have a creative space for interaction, communication and integration. The company also presented workshops for school learners at the Regional and National Schools Festivals.

In 2016 Uboml - another associated project of the drama department - aimed at building capacity of local unemployed practitioners through theatre skills courses. The Vuka Drama Workshop Programme for various township schools ran throughout the year offering drama focused activities, and these were conducted by community arts practitioners. Under the supervision of Uboml, these practitioners received facilitation training from Rhodes theatre experts, while the Vuka drama workshops culminated in a presentation at the Makana Drama Development Festival.

The winner of the festival was invited to perform as part of the fringe programme at the National Arts Festival 2017. In addition, “Performing Change Workshops” were run throughout the year at the Grahamstown Correctional Facility for juvenile offenders. The Makana Drama Development Festival was held during November in the Rhodes University Theatre. Local community practitioners were invited to participate and the element of competition amongst the groups noticeably raised the standard of the productions.

In the first part of the year, Uboml created and presented a dynamic theatre intervention for children – Langa Yanta-Monster Hunter! with the express aim of igniting young minds to the love and thrill of live stage performance and theatrical arts. The production was designed to engage with archetypal situations of right and wrong as well as the important life choices which young people face. The show performed at the National Arts Festival and then played twice a day for a week for over three thousand (3000) youngsters from various primary schools in Grahamstown.

In October 2016, Luvuyo Yanta of Uboml, created a heart-warming Community Christmas Show entitled Ulona Ngekrismesi which aimed at bringing a little Christmas magic, wonder and fun into the lives of Grahamstown residents from the Greater Grahamstown community old age homes, the army base, and Fort England.

Professor Gary Gordon
Head of Department
Books/Chapters/Monographs


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

Krueger, A.R.


Sutherland, A.E.


Creative Writing

Krueger, A.R.


Introduction

The Department of Economics and Economic History was again productive in terms of research and publications in a variety of media. The Department saw a creative writing article in The Conversation and twenty-four (24) biweekly column articles in Business Day, thirteen (13) publications in peer reviewed subsidy-earning journals and six (6) articles in peer-reviewed conference proceedings.

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

Postgraduates / Graduations

The Department welcomed a number of Postgraduates who registered for Masters degrees by thesis and Doctoral degrees in 2016. This included two (2) PhD and eight (8) Masters students. The Masters in Financial Markets degree by coursework and thesis continued to attract students to the programme with eleven (11) registering in 2016.

The Department had a successful year concerning Masters degree graduates, one (1) Master of Economics degree by thesis was awarded, and six Masters of Commerce degrees: three (3) under the Masters in Financial Markets, and three (3) in Economics, by thesis. The highlight was the award of a PhD degree to J uniors Marire for his thesis entitled "Institutional change, institutional isolation and biodiversity governance in South Africa: A case study of the trout industry in alien and invasive species regulatory reforms".

Distinguished Visitors / International Visits

Professor Alan Collins returned to the Department for a second term as the Hobart Houghton Fellow. He worked on a paper with Professor Snowball, titled "Film production incentives, employment transformation and domestic expenditure in South Africa: visualising subsidy effectiveness". Professor Collins also published a second paper on the satisfaction with the political domain of local government in a contemporary British city.

Mr Ferdi Botha travelled to Antwerp in The Netherlands, where he is registered for his Doctoral studies, for two (2) weeks to work with his supervisor.

Professor Jen Snowball had a particularly busy year, making three (3) international visits. The first visit was to the "The Value of Arts" conference that took place in Paris, France, 7-8 of March 2016. The next conference was the 19th International Conference on Cultural Economics, 21-24 June 2016, that took place at the University of Valladolid, Spain. As part

A field trip as part of a Water Research Commission research project investigating aquatic ecosystem services, their value chain, and markets in South Africa, focusing specifically on the Baviaanskloof. Dr Willem de Lange of the CSIR in Stellenbosch was the project leader and the Department of Economics provided a student: J onty Rawlins, and Professor Gavin Fraser was the supervisor to the Baviaanskloof Nature Reserve for a study of aquatic ecosystem goods and services.

Photo: Professor Gavin Fraser
of the programme, Professor Snowball presented a paper on “Transformation and job creation in the cultural and creative industries in South Africa”. Professor Snowball also attended a workshop entitled “Exploring the Creative Economy in Africa” at Kings College, London. She made a presentation at the workshop on “Mapping the cultural Industries in South Africa”.

The first SA Cultural Observatory national conference was held in Port Elizabeth, 15-17 May 2016. Professor Jen Snowball presented papers at the conference that were co-authored by Rhodes University students and staff. A paper on the art price index with student Brett Scott, and staff members Fendi Botha and Delon Tarentaal, was presented and another on online gaming with Antony Brown. Other Rhodes University attendees were Professor Geoff Antrobus and a Masters student, Raymond Ndlovu. International delegates were from France, Russia and a number of other African countries.

Significant Research Aligned Events

In 2016, Professor Jen Snowball, as the SACO Chief Research Strategist for the South African Cultural Observatory (SACO), funded by the Department of Arts and Culture, was active in impact assessment studies of cultural events held around the country. 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.

Professor GCG Fraser
Head of Department


Other Publications

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

Cattaneo, N. and Fumbata, N.

Fryer, D.
What options are there for the financing of higher education? VuyiLe Mini Winter School 2016. Labour and social policy: engaging critically with social democratic alternatives.

Fryer, D.

Fryer, D.

Fryer, D. and Hadisi, B.S.

Keeton, G.R.

Snowball, J.D. and Tarentaal, D.V.

Snowball, J.D.

International Visits

Snowball, J.D.
The Education Faculty’s B.Ed. FP program which we began in 2015 has allowed us to once again re-engage with a much younger group of students, and to play an active role in shaping the next generation of Foundation Phase teachers. As the 1st phase of this four (4) year degree draws to an end, the Faculty has identified as its challenge the need to develop strategies for:

1) strengthening research that will contribute in deepening the disciplinary/specialist knowledge of our B.Ed. FP students before they join our schooling system (which is in crisis);

2) enhancing synergies and intellectual collaborations between this newer full-time, undergraduate program and existing, ongoing research in mathematics, literacy and numeracy within the Faculty; and

3) creating an additional Center of Excellence through supporting the establishment of a Thematic Group focusing on Early Childhood Development and Primary Education. Such focus, as will be indicated in this Report, extends beyond pre-service early years educators, but also includes in-service, practicing educators in Primary Education.

The existing, ever expanding research culture in the Education Faculty, furthermore, extends beyond just schooling. Our research activities include studies within the broader Education and Development Field, most of which involve personnel within and across organisations interested in the educational aspects of their work. These include professional bodies, non-governmental organisations, and civil society, to name a few.

Both areas of our research: within schooling and in the Education and Development Field, signal a trajectory that continues to enable us as a Faculty to bridge the gap between research and teaching, teaching and research, schooling and higher education, and research in higher education and civil society. This trajectory further presents us with an opportunity to take sufficient advantage of existing expertise in the Faculty in the service of our province, country, continent, and the international community.

Postgraduates / Graduations

The Faculty celebrated the graduation of a number of students at the graduation ceremony in April 2016. Across the two Education Department campuses, i.e. Grahamstown and in Namibia, we have graduated the total of forty-one (41) MEd students and eight (8) PhD candidates.

Individually, the Grahamstown campus graduated fifteen (15) MEd students and seven (7) PhD candidates. The Namibian campus, on the other hand, graduated twenty-six (26) MEd students and one (1) PhD candidate. With current Postgraduate enrolments across the two canters, this trajectory is likely to grow.
Distinguished Visitors / International Visits

The Faculty continues to attract internationally renowned scholars and intellectuals. Almost every year one (and sometimes more) of our disciplines hosts a visiting academic or team of academics. In 2016, the Faculty managed to host Mathematics Education Professors Bob Wright, Mike Askew, Hamsa Venkat, (Southern Cross University, Australia), and Robyn jobensen (University of Canberra in Australia).

Professor Wright held conversations with our 2nd year B.Ed. Foundation Phase students about “Assessing Early Numeracy”. He and Professor Mike Askew also participated in an assessment policy workshop held with in-service, practicing educators.

Professors Hamsa Venkat and Mike Askew facilitated an Early Number Fun teacher development session with the same group of practicing educators, and Professor Robyn jobensen facilitated an Early Number Fun teacher development session and was also a speaker and facilitator at the annual SAARMSTE Research School hosted at Rhodes University by our Faculty.

Our own colleague, Professor Mellony Graven, the SA Numeracy Research Chair, visited New South Wales in Australia and gave a talk on blending educational research with development: an ethical imperative leading to qualitatively richer data.

Significant Research Aligned Events

In 2016, the Faculty received the go-ahead from the NRF to re-orientate the FRF Mathematics Education Chair to a fully-fledged SARChI Chair in Mathematics Education. Accordingly, Professor Marc Schaefer’s Chair was converted to SARChI Chair in Mathematics Education. At the heart of the SARChI Mathematics Education Chair’s research agenda is the theme of visualization processes in the teaching and learning of mathematics, and Postgraduate capacity building in this field in Southern Africa.

A cohort of seventeen (17) Postgraduate students were recruited to participate in this programme – seven (7) PhD scholars and ten (10) MEd students. This research programme spans South Africa and Namibia, with collaborations in Switzerland and Germany. In anticipation of this programme, a pilot visualization research project was conducted in Namibia and South Africa. This yielded five (5) full thesis MEd students who successfully completed their theses at the end of 2016.

The SA Numeracy Chair Research, Professor Mellony Graven, in collaboration with the Numeracy Chair at the University of the Witwatersrand, co-hosted a policy influence workshop on Developing national assessments items for strategic thinking in the Foundation Phase at Mpekwini in September 2016.

A small group of academics and policy personnel with interests in Numeracy in the Foundation Phase and national assessment in this Phase, gathered with two (2) leading international experts on early number - Professor Bob Wright and Professor Mike Askew - to discuss the development of national assessment items for Grades 2 and 3 focused on strategic thinking. Current thinking that emerged out of this workshops was that these assessment items could supplement the existing Annual National Assessments and/or Common Assessments that are currently in the national and provincial policy terrains, which are focused on assessing a snapshot of grade-related curriculum topics. These assessment items could feature within diagnostic early-year common tests accompanied by teacher access to an item bank of follow-up remediation examples related to particular strategy item clusters. Our research, and the broader international evidence, suggests that attention to these strategies is important for building strong mathematical foundations, that can strengthen performance in other assessments including systemic national assessments. Work on this initiative is ongoing.

The SA Numeracy Research Chair also hosted the annual SAARMSTE Research School. Professor Mellony Graven and Dr Stott from the Chair project were facilitators at the Research School held at Mpekweni in the Eastern Cape. All our PhD candidates attended the School.

Even though the SA Numeracy Chair is funded for five (5) years (2016 to 2020) through the First Rand Foundation / De Beers Initiative, additional funding was already in place for 2016 activities:

- The VESTAS Empowerment Fund (R296,000 annually 2015 to 2017) for work with Maths Clubs in Grahamstown schools and after care centres (development based);
- The Oppenheimer Memorial Trust (R158,000 for 2016) for running a two (2) day weekend STEM camp for Grahamstown learners (development based); and,
- Additional R300, 000 for professional printing of SANCP products (development based).

In terms of research output from the SA Numeracy Chair, the project and research team had thirty-seven (37) outputs across various platforms including eleven (11) peer-reviewed publications and two (2) book chapters. In 2016, the Numeracy Chair had twelve (12) students registered: Masters (6) and Doctoral
students, supervised and co-supervised by Professor Graven, Dr Stott and other Education faculty members. One (1) Doctoral and one (1) Masters student graduated in 2016. As well as Professor Graven and Dr Stott, two (2) Postgraduate students participated in international conferences and seven (7) in national/regional conferences during 2016.

Another major event in the Faculty concerns Professor Heila Lotz-Sisitka. In January 2016, Professor Heila Lotz-Sisitka (formerly the Murray & Roberts Chair of Environment and Sustainability Education in the Environmental Learning Research Centre) took up her position as the new Tier 1 SARChI Chair in Transformative Social Learning and Green Skills Learning Pathways. The Chair has foundational funding from the National Research Foundation (NRF) of R2 million per annum which has allowed us to bring in a Postdoctoral scholar, three (3) new PhDs, and four (4) Masters scholars into the already flourishing Postgraduate programme established in the Environmental Learning Research Centre. Building on earlier work in the Murray & Roberts Chair of Environment and Sustainability Education, the SARChI Chair was therefore able to get off to a good start.

The Chair’s programme started with the wonderful opportunity of an International Social Sciences Council (ISSC) grant of R13 million under their Transformations to Sustainability programme, which allowed us to establish the transformative social learning focus of the Chair via nine (9) country case studies (South Africa, Ethiopia, Zimbabwe, Malawi, Colombia, India, Vietnam, Sweden and the Netherlands) that will be developed on four (4) continents (Africa, Asia, Latin America and Europe).

In May 2016 we held the first international Research School for this programme, and developed the research design for the three (3) year research programme. We also developed an international T-learning LAB website for international communications and research collaboration associated with this programme (see www.transgressivelearning.org). More locally, we completed two (2) big research programmes, one for the national Fundisa for Change research programme (NRF funding for a three (3) year period of R1.5 Million; see www.fundisaforchange.co.za) and a three (3) year Water Research Commission ‘Amanzi [Water]’ for Food research programme (R2 million over three (3) years; see www.amanziforfood.co.za) which developed a networked social learning model for curriculum innovation and rainwater harvesting and conservation practice in
the rural Eastern Cape, strengthening our local partnerships and developing an action oriented strategy for improving household food production and small scale crop farming practices.

Towards the end of the year, the Amanzi for Food research programme was fortunate to be awarded the Vice-Chancellors Community Engagement Award, and three (3) of the Postgraduate scholars on this programme were also awarded the Student Community Engagement Researchers Award in 2016.

Other achievements were the publication of a Routledge book on ‘Critical Realism, Environmental Learning and Social-Ecological Change’, which was co-edited by Dr Leigh Price and Professor Lotz-Sisitka. Overall the Chair had a productive year, and working with colleagues and scholars associated with the Chair and the ELRC’s research programme, we were able to produce seven (7) peer-reviewed journal papers, sixteen (16) book chapters, one (1) edited book, four (4) research reports, three (3) PhD graduations, two (2) Masters graduations, seven (7) International Keynote Papers and four (4) peer-reviewed conference proceeding papers.

Towards the end of the year Professor Rob O’Donoghue retired, but we are pleased that he will continue to work with the Environmental Learning Research Centre (ELRC) in the position of ‘Emeritus Professor’ associated with the ELRC. In September 2016 we were also able to fill the position of the Murray & Roberts Chair of Environmental Education, expanding the capacity of the ELRC to take up the Green Skills research focus which has grown significantly in the last two to three years in response to a national need to strengthen green skills learning pathways and planning.

In September 2016, Professor Eureta Rosenberg took up a Professorship and the Research Chair in Environment and Sustainability Education, in the ELRC and the Department of Education at Rhodes University.

Professor Eureta Rosenberg had previously been working with the ELRC as a Research Associate, inter alia coordinating the national Green Skills programme.

The latter is a research-based advocacy and capacity development programme in a new knowledge field. It was initially funded by the NRF (2015) and currently by the Department of Environmental Affairs’ Green Fund (R6,4 million over three (3) years, April 2015-March 2018). In 2016, the research undertaken in the Green Skills programme included skills for green economy practitioners, for the greening of public procurement, in chemical industries and in agriculture. This research was presented at a research round-table convened by the ELRC in partnership with Witswatersrand Centre for Researching Education and Labour in April 2016 (six (6) presentations by Rhodes University students, staff and associates) and at the Environmental Education Association of Southern Africa Conference in October 2016 (five (5) presentations by Rhodes University students, staff and associates related to the Green Skills programme). Case studies of the methodologies used in these ‘new knowledge field’ studies were produced and published online (three (3) new case studies in 2016, see www.greenskills.co.za).


Professor Emmanuel Mfanafuthi Mgqwashu Head of Department

Dr Leigh Price published chapters, and co-edited the book Crisis System: A critical realist and environmental critique of economics and the economy. Multiple staff and students from the Faculty of Education contributed to the book Critical Realism, Environmental Learning and Social-Ecological Change, edited by Dr Leigh Price and Professor Heila Lotz-Sisitka. Professor Mellony Graven co-authored a chapter in the book, Mathematics Education in a Context of Inequity, Poverty and Language Diversity.

Photo: Tarryn Gillitt
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


Rhodes University Research Report | 2016


Peer-reviewed Proceedings
dispositions promoted within the transition between Grade R and Grade 1 in the South African Curriculum and Assessment Policy. Researching a sustainable environment and sustaining research in Mathematics, Science and Technology Education. Tshwane University of Technology, Pretoria. South Africa. January 2016.

Lotz-Sisitka, H.

Mandikonza, C.

Ngcoza, K.

Pausigere, P.

Pesanayi, T.

Pesanayi, T. and Andimignon, B.

Sibanda, L.

Stott, D.


Westaway, L.

Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)
Ashipala, H.T.
Ashipala, H.T. Using action competence for opportunities for...


Lotz-Sisitka, H. Plenary session II - innovation and sustainable development through the leadership, research and curriculum. The international Association of Universities 15th General Conference. Chulalongkorn University, Bangkok, Thailand. November 2016.


Lotz-Sisitka, H. and McGarry, D.K.


Lotz-Sisitka, H. and Pesanayi, T.


Lupele, C.


Mandikonza, C.


Mgoqi, N.M.


Mmekwa, M.P.


Olvitt, L.L.


Pausigere, P.


International Visits

Dalvit, L. Dalvit, L. Fondazione Bruno Kessler, Trento, Italy. Hackathon ‘Smart Cities’ within the IEEE International Smart Cities Conference hosted by the University of Trento (Italy) and co-organised with Bruno Kessler Foundation as part of an international collaboration. I shaped the topics for the ‘Mobile Apps’ track and participated in the event. 12 - 14 September 2016.

Professor Bob Wright from Australia talks to the 2nd year B.Ed students about “Assessing Early Numeracy” - September 2016.
Photo: Debbie Stott

Other Publications


Research in the Department covers a range of areas, such as contemporary theory, culture and literature, with a specific focus on South African, African, and African American American fiction. Topics currently under investigation include spoken word performance and the archiving of such material, interrogations of Blackness/Africanness', South African crime fiction, colourblind discourse, African popular culture, and the intersecting transnational literatures of the African, Latin American and South Asian diasporas.

In 2016, we were excited to welcome three (3) new funded research projects in the Department:


In addition, the following research project is currently reaching completion:


Postgraduates / Graduations

PHD:


MA:


• Graven, Ashley. Selhood, Identity and Madness in the Works of Milan Kundera and Peter Carey. Supervisor: Professor Mike Marais.

• Laue, Kharys. Being for the Other: Surveillance and Depictions of Race, Gender, and Animals in Contemporary South African Literature. Supervisor: Professor Mike Marais. Cum Laude.


Distinguished Visitors / International Visits

Dr. Ranka Primorac (Senior Research Associate) visited the English Department in 2016. Dr. Primorac lectures at the University of Southampton. Whilst in the English Department in July 2016, she presented a public lecture entitled “The African republic of letters” and how, in a scholarly sense, it may be enlarged to include the ‘literarily destitute’ regions of the African continent”, and a seminar to
Postgraduate students on the 2016 Caine Prize for African Writing.

Dr Mariza Milazzo, an Assistant Professor at Vanderbilt University, USA, took up a Postdoctoral Research Fellowship in the Department in 2016. She presented a paper entitled “On the Pitfalls of White Antiracism and Critical Philosophy of Race: Re-reading Samantha Vice’s How Do I Live in this Strange Place?” in the Philosophy Department, and a seminar entitled “A Sad Black Story: Racism, Nonracialism, and Post-Apartheid Black South African Fiction” in the English Department.

Both Dr Primorac and Dr Milazzo will return to the English Department in 2017.

Significant Research Aligned Events

Dr Deborah Seddon was co-convenor, with Dr Andrew Van der Vlies, of an interdiscipliary conference on “The Verbal Text and National Historiography”, hosted at Queen Mary University of London in November 2016. Two (2) Honours students in the English Department, Warimui Murrithi and Chelsea Haith, presented papers at this conference.

Dr Sue Marais

Head of Department

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Embassy bareeba. Indian Journal of Pharmacy Practice. 9 (2).


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

The Cycle of Knowledge poets with Shelley Barry (front centre), an award winning filmmaker from Cape Town. Shelly Barry gave time and expertise during two visits to Rhodes University in 2016, where she provided hands-on training to five poets from the poetry collective, the Cycle of Knowledge. The project was secured by Dr Deborah Seddon in 2015 via her two year Newton Advanced Fellowship from the British Academy.


Staff and students remained active in their research endeavours and had their works presented at conferences and symposia locally and internationally, as well as getting their papers published.

Abroad, Dr Bennett presented his works at Rutgers University, University of California (San Diego), as well as at the University of Massachusetts (Amherst) in the USA. Locally, Professor Hunt, and Professor de Vos organised a Linguistics Transformation Summit at the University of the Western Cape. Professor Simango presented his work at the annual conference of the Linguistics Society of Southern Africa held at the University of the Western Cape, and Professor de Vos presented his work at the Comparative Germanic Syntax Workshop held at Stellenbosch University.

Professor Adendorff continued serving 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 continued to serve as members of the Academy of Science of South Africa. Professor de Vos and Professor Hunt continued to serve as president for, respectively, the Linguistic Society of Southern Africa and the Southern African Applied Linguistics Association. Professor Simango continued to serve on the editorial board of the journal: Southern African Linguistics and Applied Language Studies, and was elected as a non-executive director for the Molteno Institute for Language and Literacy.

Postgraduates / Graduations
A number of Postgraduate students presented their works at a mini-conference held at the beginning of September 2016. Significantly, two (2) students presented papers at the Southern African Microlinguistics Workshop held at the University of the Free State in Bloemfontein. Six (6) students completed their MA studies with theses focusing on critical discourse analysis, corpus linguistics, APPRAISAL theory and, for the first time, the linguistics of South African Sign Language. In addition, one (1) student completed her Doctoral studies in comparative syntax.

Distinguished Visitors / International Visits
The department hosted Professor Lionel Posthumus, an expert on African linguistics from the University of Johannesburg, an expert on African linguistics from the University of Johannesburg. In addition the department hosted Dr Reginald Duah from the University of Ghana who was on a Postdoctoral Research Fellowship from the African Humanities Program. Dr Duah spent nearly eight (8) weeks in the department during which they interacted with staff and Postgraduate students in addition to making a presentation at research seminars.

Significant Research Aligned Events
The Transformation in Linguistics Summit, convened by Professor Mark De Vos and Professor Sally Hunt...
and which was held at the University of the Western Cape, offered linguists and language practitioners the opportunity to reflect on new directions in research in linguistics and allied disciplines with an eye on its relevance to South(ern) Africa and the Global South more generally.

Professor SR Simango
Head of Department

Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Peer-reviewed Proceedings


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


Concerts, Exhibitions, Performances, Workshops, Events

Distinguished Visitors

International Visits

The Department of Environmental Science had a productive year during 2016 producing thirty-seven (37) peer-reviewed papers and one (1) book chapter. The majority of these publications were the outcome of Honours, Masters, PhD and Postdoctoral studies, reflecting the high quality of our Postgraduate research and the wide interests and expertise of staff. Publications 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, restoration, invasive species, climate change and natural resources and rural livelihoods. Further, 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 Research Fellows in the Department simultaneously in 2016, including Dr Joana Bezerra (from Brazil), Dr Sheunesu Ruwanza (from Zimbabwe) and Dr Yahia Adam (from Sudan), all of whom contributed significantly to our intellectual and productive capacity.

One (1) publication based on an Honours student’s (Mr Oliver Wright) research on stakeholders’ perspectives on the rhino horn trade received considerable international interest from world experts and wide publicity in the popular media.

In addition to the traditional research outputs, the Department also published a number of policy briefs and popular articles (4) as a mechanism to insert our research findings into the wider public domain and to influence policy and practice.

Conference attendance was again high in 2016 with eighteen (18) papers and posters presented by staff and students over the year at national and international conferences. Professor Sheona Shackleton was invited to present a keynote address entitled ‘Beyond farmers and fields to livelihoods and landscapes: reimagining rural Africa in the Anthropocene’, at the Sustainable Land Management: Challenges and Opportunities Conference in Belin, March 2016.

Two (2) students from the Department received awards for conference papers, namely Ms Kyra Lunderstedt for best paper at the Thicket Forum Annual Conference and Ms Afika Njwaxu for her poster at the Indigenous Plant Use Forum 19th Annual Conference.

A highlight of the year was the granting of the Vice-Chancellor’s Distinguished Teaching Award to Dr Gladman Thondhlana. While a teaching award, we report it here as the Department takes pride in ensuring strong interlinkages between the three (3)
pillars of higher education, namely research, teaching and community engagement. Being a good teacher also depends on being a good researcher and Dr Thondhlana has proved this too with seven (7) peer-reviewed publications in 2016.

Postgraduates / Graduations
During 2016, the number of senior Postgraduates studying with the Department stood at a healthy twenty-five (25) Masters and twenty-nine (29) PhD candidates. At the 2016 April graduation ceremony, the Department saw eighteen (18) Honours students, five (5) Masters and one (1) PhD student graduate.

Distinguished Visitors / International Visits
The Department had several visitors during 2016, 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 with Professor Charlie Shackleton and Professor Sheona Shackleton.
- **Professor Lonnie Guralnick** from Roger Williams University in Rhode Island (USA) spent a number of weeks in the Department as a guest of the University of Victoria, Canada (December), geospatial training in support of the NLEIP project, and a training with the World Conservation Society’s DRC project (November).
- **Professor Sheona Shackleton** was invited as reviewer of Postdoctoral scholarship applications on theme of ‘Livelihood Management and Environment in Africa’ for the VW Foundation in Berlin.
- **Professor Sheona Shackleton** participated in several workshops as part of a SARUA coordinated project to develop a Climate Change and Development Masters Curriculum for implementation by universities in the SADC region. She contributed to the modules on Trans-disciplinary Thinking and Climate Change and Social Justice.

Dr Gladman Thondhlana visited the National University of Singapore in October 2016, where together with Professor Ham Wei, worked on an NRF Thuthuka-funded research project on behavioural aspects of household energy conservation.

In June 2016, Dr Gladman Thondhlana participated at the International Symposium on Society and Resource Management in Houghton, Michigan, USA. At the same conference, he participated in the Young Professionals event, an informal networking and career-building opportunity event, where he was partnered with a PhD candidate as a mentor.

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. As part of this initiative, Dr Alta de Vos is co-leading a special issue on ecosystem service flows from protected areas.

Various meetings/workshops were held throughout 2016 for the DEA NRM funded “Ntabelanga and Laleni Ecological Infrastructure Project” (NLEIP). These were led by the Rhodes Restoration Research Group and coordinated by Mr Mike Palmer; a two-day “Indicators Workshop” on 20-
21 September 2016 co-hosted by the Institute for Natural Resources in support of the DEA NRM monitoring efforts, and the third Science Management meeting on 8-10 November 2016. The key focus of the meetings and workshops were student research progress and the imminent “Restoration Plan” for the five major catchments of the NLEIP Project.

Professor Sheona Shackleton
Head of Department

As a member of the Rhodes University Transdisciplinary Research Group, the Department of Environmental Science was a co-organizer of the Transdisciplinary Research Explorer Training Workshop, held from 10-11 May 2016, and attended by a wide range of participants across several disciplines. Here, participants introduce themselves.

Photo: Supplied by the Department of Environmental Science

Photo

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Department of Environmental Science

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

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


Mpama, N. Mpama, N. Assessing the potential role of micro-organisms in the restoration of thicket environments in Albany Thicket.
Mpama, N. Assessing the potential role of microorganisms in the restoration of thicket environment in Albany thicket, South Africa. 51st GSSA congress. Wilderness, South Africa. july 2016.
Shackleton, C.M. Changes and uses of the urban commons of sub-Sahran African towns. The Urban Dialogues Webinar Online. Hosted by ICLEI. January 2016.
The Fine Art Department has enjoyed a productive year, engaging with a wide range of research endeavours and producing significant outputs. These include academic publications, research papers presented at conferences and symposia, and various practice-as-research outputs such as exhibitions, performances, creative writing and artists’ talks. Members of the department have been involved in exhibition curation, arts activism, interviews, dialogues, arts residencies and workshops.

In addition, the department has hosted a complement of ten (10) distinguished visitors, via the SARChI Residency Programme and the SARChI ‘Arts and Culture: Writers in Africa’ International Writing and Publishing Imbizo. Particularly noteworthy is the number of international research outputs logged by members of the Fine Art Department for 2016, with almost all staff members exhibiting their creative research overseas and/or presenting research papers at international conferences.

Postgraduates / Graduations

The Fine Art Department graduated a cohort of five (5) Master of Fine Art (MFA) students. They all presented solo exhibitions as part of their practice-as-research submissions. Postgraduates were also active in publishing and exhibiting their research. Mr Thilumba Jean-Sylvain published a review; Mr Sikhumbuzo Makandula held a solo exhibition, solo performance and artist's talk; Mr Luthando Mama participated in a group exhibition; Mr Andrew Mulenga served as assistant curator to two (2) exhibitions; Ms Philiwia Lila presented a research paper and took part in a ‘pop-up’ exhibition.

Distinguished Visitors / International Visits

The Fine Art Department enjoyed visits by several renowned artists and writers, via the SARChI Residency Programme and the SARChI ‘Arts and Culture: Writers in Africa’ International Writing and Publishing Imbizo organised by Professor Ruth Simbao. Professor Simbao also visited Makerere University in Uganda for a research collaboration with colleagues in the Margaret Trowell School of Industrial and Fine Arts.

Dr Sharlene Khan visited the Rockefeller Institute, New York, to review the Arts and Literary Arts Panel for the Rockefeller Bellagio International Residency Programme.

Professor Thorburn visited the China Academy of Fine Arts (CAFA) in Beijing, China, to conduct research on contemporary printmaking.

Significant Research Aligned Events

Professor Maureen de Jager published a book chapter titled ‘Proposal for the BOOK OF HOLES’ in Critical Addresses. The Archive-in-Practice and presented a research paper at the international symposium SENSE / EXPERIMENT / SURPRISE / UNDERSTANDING: PhD research in practice...
Dr Sharlene Khan presented several papers at conferences locally and abroad, including Decolonising the Curriculum (UNISA, Pretoria); Decolonising Feminism (University of the Witwatersrand, Johannesburg); Black Portraiture (Turbine Hall, Johannesburg); Afrasians Conference (Goethe University-Frankfurt, Germany); Visual Arts after Indenture (York University, Canada); and Doing it for Daddy (Rhodes University) - a symposium which she also convened. She produced various online articles, and was a guest speaker at various events. In addition, she participated in two (2) group exhibitions and held a solo exhibition, When the moon waxes red, in Germany.

Mr Brent Meistre was invited to participate in two artists’ residencies and workshops, one in Italy, and one in Spain and Morocco. The residency in Italy led to the production of three high-definition stop-animation films: Cavallo di lavoro (Work Horse), La Puledro (The Foal), and Blood in the Water. The residency in Spain and Morocco led to the production of a further three high-definition stop-animation films, Terror/Torres (Madrid), Goodbye Horses (Ceuta), and Amazigh/Amadoda (Casablanca).

Dr Phindi Mnyaka published an article titled ‘The first of signs: symbolism and undoing between now and then’ in Parallax.

Publications by Ms Zama Nsele included the journal articles ‘The Iconography of Black Consciousness: Biko’s Ghost’ in the Journal of Asian and African Studies; and ‘Post-Apartheid Nostalgia and the Sedmasochistic Pleasures of Archival Art’ in English in Africa. She also produced an online article, participated in an interview, and presented a paper at the 31st Annual South African Visual Art Historians Conference, Rethinking Art History and Visual Culture in the Contemporary Context (University of Johannesburg).

Ms Tanya Poole participated in eight (8) group exhibitions around South Africa, as well as an exhibition titled Imago Mundi at the Pratt Institute of Brooklyn, New York. She also curated an exhibition of emerging artists at the Turbine Art Fair in Johannesburg.

In addition to organising and chairing the SARChI International Writing and Publishing Imbizo, Professor Ruth Simbao was also the organiser and chair of ‘Decolonising the Arts’ at Thinifest during the 2016 National Arts Festival. She published two (2) book chapters: ‘Walking into Africa in a Chinese Way: Hua Jining’s Mindful Entry as Counterbalance’ in Afrique - Asie: Arts, espaces, pratiques; and ‘Performing stillness in order to move: Mohau Modisakeng’s becoming’ in a monograph on 2016 Standard Bank Young Artist for visual Art, Mohau Modisakeng. She published a journal article, and contributed two (2) exhibition texts/essays. She also presented at several conferences in South Africa and abroad, including the Cape Town Art Fair Talks Programme (Cape Town); A Luta Continua: Doing it for Daddy (Rhodes University); and Signifying Spaces: Theory, Method, Textual Practice (Maria Cuna Sklodowska University, Poland).

Professor Dominic Thorburn participated in several international group exhibitions, including the Southern Hemisphere International Printmaking Exhibition (South Korea); the International Academic Printmaking Alliance Inaugural Exhibition (China); The International Biennial Printmedia Festival (South Korea); and the International Biennial Printmedia Festival (Beijing, China). His work was also included in the District Six Commemorative Print Portfolio Exhibition at the District Six Museum in Cape Town. In addition, he presented a paper at the International Academic Printmaking Alliance Symposium (Beijing, China), where he was elected to the board of the International Academic Printmaking Alliance (IAPA).

Professor Maureen de Jager

Head of Department
Books/Chapters/Monographs


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


Concerts, Exhibitions, Performances, Workshops, Events


Photo: Tarryn Gillit

Dixie, C.B. Exhibiting artist. 'Rites of Passage: Between Light and Shadow'. Imatra Stam Museum, Cape Town, South Africa. 11 - 16 June 2016.


Khan, S. Exhibiting artist. When the moon waxes red. Kunsthalle Bremen, Bremen, Germany. 19 February - 1 May 2016.


Khan, S. Guest speaker. 'On Being the Problem'. Black Artists/White Labels. Point of Order Gallery, University of the Witwatersrand, Johannesburg, South Africa. 6 June 2016.


Khan, S. Guest speaker. 'Reasons and its Discontents. His Majesty's Imposition'. Point of Order Gallery, Continuing Education Centre, Rhodes University, Grahamstown, South Africa. 20 - 22 April 2016.


Sibimo, R. Guest speaker. 'On Being the Problem'. Black Artists/White Labels. Point of Order Gallery, University of the Witwatersrand, Johannesburg, South Africa. 6 June 2016.


Makandula, S.A. Participating residency and workshop. 'Horse)' 10x12 (Osservatorio Mobile Nord Est: Cavallo di lavoro (Work Horse), HD stop-animation, 8m 36secs/ La Puledro (The Foal), HD stop-animation, 2m 36secs; Blood in the Water, HD stop-animation, 8m 55secs; Villa Balosca, Castelfranco Veneto and Venice. Italy. 30 May - 13 June 2016.


Mulenga, A.M. Exhibiting artist. 'In Search of a Nation'. District Six Museum, Cape Town. South Africa. 28 October - 12 December 2016.
Other Publications


Distinguished Visitors


Dodd, A. Dr A Dodd, Independent Writer and Editor. Cape Town, South Africa. Presenter at the SARChI “Arts and Culture: Writers in Africa” International Writing and Publishing Imbizo. j unr 2016.


Kakande, A. Dr A Kakande, Angelo Kakande, Makerere University, Kampala, Uganda. Presenter at the SARChI “Arts and Culture: Writers in Africa” International Writing and Publishing Imbizo. j unr 2016.

Kyyunge, G. Professor G Kyyunge, Makerere University, Kampala, Uganda. Presenter at the SARChI “Arts and Culture: Writers in Africa” International Writing and Publishing Imbizo. j unr 2016.

Modisakeng, M. Mr M Modisakeng, Standard Bank Young Artist Award winner, with WHATIFTHEWORLD Gallery, Cape Town and Johannesburg, South Africa. Lecture for the Lucid Lunchbox talk series organized by the SARC’N team and in collaboration with the ACWA workshop. j unr 2016.


Nsubuga, E. S. Mr ES Nsubuga, Uganda Christian University, Kampala, Uganda. Presenter at the SARChI “Arts and Culture: Writers in Africa” International Writing and Publishing Imbizo. j unr 2016.
The Geography Department continued research that reflects the diversity of discipline, with projects that included: sustainable utilisation of, and policies relating to, wild honeybush; land and agrarian reform; human mobility; the role of tertiary institutions in Grahamstown; the social dynamics of small towns; geographic simulations; the impacts of dams on societies and river systems; soil erosion and sediment transfer; wetlands and their importance to society and the natural environment; the application of Geographical Information Systems (GIS) and Remote Sensing to solving social and natural environmental problems; Antarctic Geomorphology and Biogeomorphology; and climate change. Not only is our research academically diverse, but spatially extensive, with projects extending from the Nordic Arctic to Antarctica. An aspect that the Department is extremely proud of is our training of postgraduate students and exposing them to the international research community. All those who have been involved in such interactions have shown that Rhodes University, and the Department of Geography, are conducting research that is internationally relevant and of an international standard.

Postgraduates / Graduations

At the April 2016, Graduation ceremonies Lindie Smith-Adao was awarded her PhD. Liezel Rudolph (Cum Laude), who is now a lecturer at the University of the Free State, Camilla Kotze (Cum Laude), and Luveshni Odayar graduated with their MSc Degrees. Cloe Karstadt, an Honours student, was awarded the prize for the best Physical Geography Presentation at the South Africa Students Geography Conference. The conference formed part of the Centenary celebrations of the Society of South African Geographers.

Distinguished Visitors / International Visits

Professor Ian Foster (Northampton University, Visiting Professor) and Professor John Boardman (Oxford University) linked up with Emeritus Professor Kate Rowntree to undertake field work in the Karoo. Professor Roddy Fox has a longstanding collaboration with Högskolan Väst University in Sweden and visited there from 1 September to 21 October 2016, teaching on the International Programme in Politics and Economics. Professor Ian Meiklejohn represented South Africa on the council of the International Permafrost Association in June 2016 and was the Country’s delegate at the Scientific Committee on Antarctic Research in August at the Organisations’ respective meetings in Potsdam and Kuala Lumpur.

Visiting Professor Thembela Kepe, (Toronto University) continued his association with the Department of Geography, visiting us in May and

Ms Tebogo Rasebo, Ms Jenna Knox, and Ms Nicola Wilmot conducting research for their MSc degrees in the Ahlmannyogen, Western Dronning Maud Land, Antarctica.

Photo: Supplied by the Department of Geography
June 2016. His research in Pondoland and in the Grahamstown area includes the supervision of the PhD’s of two (2) staff members. In addition, he assists with the lecturing of undergraduates.

**Significant Research Aligned Events**

The wild honeybush tea industry is restricted to the mountainous regions of the Eastern Cape Langkloof, and parts of the south Western Cape. *Cyclopia intermedia* populations growing on the grassy fynbos slopes of the Cape Fold Mountains, yield a high quality tea crop, and provide much needed livelihoods for local landowners and harvesters. Eighty-five percent (85%) of the locally processed tea is exported and increasing popularity of the tea as a healthy, sugar free beverage has seen export demand increase significantly from around one hundred (100) tons in the early 2000’s to an annual average of three hundred and fifty (350) tons from 2011 to 2016 with subsequent unsustainable pressure on the wild resource.

A team of student researchers, led by Ms Gillian McGregor has been involved in mapping and measuring the resource and its response to cropping in its wild and cultivated setting in order to develop best practise guidelines for the sustainable harvesting and management of the crop. The researchers have engaged with landowners and harvesters during harvest sessions in order to record existing knowledge and understanding of use of the wild resource. This formalisation of knowledge around the ecology and use of the plant is an important step in conserving this protected wild plant resource and promoting its sustainable use. The research has contributed directly to the development of practical guidelines for improved management of the wild resource which is to be used by landowners, harvesters and government agencies. The research is ongoing with long-term monitoring sites at several locations.

Researchers from the Geography Department are playing a key role in the multidisciplinary/multi-institutional Ntabelanga and Laleni Ecological Infrastructure Project (NLIEP) funded by the Department of Environmental Affairs (DEA). Dr Bennie van der Waal chairs the sediment community of practice (COP) which advises on erosion and sediment related issues. Research on river sediment loads and sources is being carried out by Ms Laura Bannatyne and Ms Namso Nyamela. Mr Nicholaus Huchzermeyer completed a baseline study against which future geomorphological impacts of the Ntabelanga dam can be assessed. Emeritus Professor Kate Rowntree leads a team that is addressing community engagement in catchment restoration through a Water Research Commission (WRC) project.

The Geography Department was strongly represented at the biennial symposium of the International Commission on Continental Erosion held at Rothamstead Experimental Station, North Wyke, Devon, England. Jordan Miller and Dr Simon Pulley were among four (4) Young Scientists who presented Keynote papers. Jordan presented on her research in the Kruger Park; Dr Pulley presented the model of gully evolution that he and Professor Fred Ellery are developing for the Kromme and Karoo. Dr Pulley’s second paper was on new developments in interpreting magnetic signatures based on his work in the Karoo, burnt sloped in Grahamstown and the Kromme. An overview of the applicability of using radionuclides to date Karoo sediments was presented by Visiting Professor Ian Foster. Ms Laura Bannatyne and Emeritus Professor
Kate Rowntree presented their research in the Tsitsa. Professor Rowntree presented a strategy to guide rehabilitation at scales from large catchments to a household; Laura Bannatyne explained how she was using Citizen Scientist to monitor sediment flux at eleven (11) points in the catchment; in doing so addressing many of the sampling problems raised by other speakers. The meeting proved to be a great opportunity to discuss our work with some of the leaders in the field. All papers were well received with constructive feedback.

Professor Fred Ellery was Co-convener of session “Wetlands in drylands: Enigmatic but neglected ecosystems valuable for human wellbeing” at the 10th INTECOL International Wetlands Conference, Changshu, China, between 19 and 24 September 2016.

The Landscape Processes in Antarctic Ecosystems group had a particularly active year, with Ms Gabrielle Ayres and Ms Jessica Rosenfels returning from an Antarctic field season in the beginning of the year, and then Ms Jenna Knox, Ms Tebogo Masebe and Ms Nicola Wilmot going “South” at the end of the year as part of their respective MSc research projects. Professor Ian Meiklejohn was appointed as Chief Scientist for the 2016/2017 summer season on the Continent. As part of his involvement in Antarctic research, Professor Meiklejohn also appointed as a project evaluator for the multi-national Antarctic Circumpolar Expedition (ACE), funded by the newly formed Swiss Polar Institute, which took place in the 2016/2017 Austral Summer.

Ms Christel Hansen and Ms Liezel Rudolph (now a lecturer at the University of the Free State) together with Professor Ian Meiklejohn attended and presented papers at the International Permafrost Association (IPA) Conference in Potsdam, Germany in June 2016. Christel Hansen was a co-convener of the Antarctic Permafrost and Soils (ANTPAS) session. Ian was the South African representative on the IPA Council and a member of the steering committee of ANTPAS.

In July 2016, the entire Landscape Processes in Antarctic Ecosystems team Ms Gabrielle Ayres, Ms Christel Hansen, Ms Jenna Knox, Ms Tebogo Masebe, Ms Nicola Wilmot, Ms Jessica Rosenfels, and Professor Ian Meiklejohn presented papers at the South African National Antarctic Programme (SANAP) biennial symposium in Pretoria.

Three (3) students, Ms Christel Hansen, Ms Gabrielle Ayres and Ms Jessica Rosenfels, along with Professor Ian Meiklejohn, attended the Scientific Committee for Antarctic Research Open Science Conference in Kuala Lumpur in Malaysia from 20 to 30 August 2016. Ms Christel Hansen was again co-convener of the ANTPAS session and she has been tasked with media outreach for the Working Group. In addition, Professor Meiklejohn was the South African delegate, and Ms Christel Hansen was specifically nominated to attend as an observer, to the SCAR Delegates Meeting. This is the organisation that formulates science policy for the Antarctic as a key element of the Antarctic Treaty.

A large contingent from the Department of Geography attended the Biennial Conference of the South African Society of Geographers, in Stellenbosch, in September that celebrated a Centenary of Geography in South Africa. Professor Roddy Fox wrote a chapter for a book on the history of Geography at Rhodes University that was written to celebrate the occasion. Papers, and/or posters, were presented by Ms Christel Hansen, Ms Jenna Knox, Ms Philippa Irvine, Ms Tebogo Masebe, Sinenhlanhla Memela, Professor Ian Meiklejohn and Ms Nicola Wilmot.

Professor W.N. Ellery
Head of Department

Photo: Supplied by the Department of Geography

Laura Bannatyne setting up an autographic rain gauge in the upper Tsitsa catchment.

Photo: Supplied by the Department of Geography
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


A piece of wood collected from the bed of a filled gully near the Kompassberg, Eastern Cape, to be dated using carbon dating in order to determine gully age.

Photo: Fred Ellery
Department of Geography

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Professor Thembela Kepe co-edited the book Domains of Freedom: Justice, Citizenship and Social Change in South Africa, published in 2016, and also contributed the chapter on land redistribution policy and practice.

Photo: Tonyin Gillitt

Honours students interacting with researchers and local school children on a field trip to the Tsitsa catchment.

Photo: Supplied by the Department of Geography

Irvin, P.M.

Knox, J.


Masebe, C.T.


McLeishjohn, K.J.


McNabba, S.


Rosenthal, J.

Rosenthal, J., and McLeishjohn, K.J.

Schlegel, P. and Ellery, W.N.


Wilmott, N.P.

The Department carried on its growth trajectory with student numbers at their highest ever recorded level with the second and third year classes now having doubled in size over the past five (5) years. This growth is being noticed at the Postgraduate level and should, in a few years, filter through to the Doctoral school.

Academic and senior administrative staff numbers have now settled down with the Department, and, for the first time in many years, the Department has a full staff complement. The most recent academic to join the Department is Dr Afsoon Kazerouni, who arrived late in the year from Texas and will take over the sedimentology portfolio.

Overall, the Department has maintained its research profile despite being previously short-staffed, and there should be an exciting growth in Postgraduate student numbers and research outputs in the near future as Dr Eugene Grosch’s research programme is starting to bear fruit since his arrival in late 2015.

Postgraduates / Graduations
At the 2016 graduation ceremony, the Department graduated two (2) research MSc students and two (2) MSc graduates from the department’s prestigious Exploration Geology MSc programme. In addition, the Department graduated eight (8) Honours students, the same number as 2015.

Distinguished Visitors / International Visits
Professor Hari Tsikos hosted Professor Paul Mason from the Universiteit Utrecht as a Hugh Kelly Fellow. Professor Mason is an internationally renowned expert geochemist who studies ancient environments and the evolution of early life on earth who, in addition to continue his collaborative research with Professor Tsikos, taught our students. Professor Tsikos also attended a workshop at the University of Tokyo, Japan, as part of ongoing collaboration with Professor Komiya and Professor Takahashi.

Professor Steve Prevec was an invited keynote speaker at the 2016 Geological Society of American Penrose Conference held at Red Lodge, Montana, USA, where he presented a talk co-authored by former Rhodes students Savvas Largatzis and Mark Raines. The meeting also involved the creation of a new scientific society focusing on the genesis of layered mafic rocks, for which Professor Prevec was nominated as the South African representative. Following the meeting, field work was conducted in Canada with Mr John de Bruyn (Rhodes MSc) in collaboration with colleagues from industry and universities in the Sudbury area. During the post-meeting field work, Professor Prevec gave a public scientific presentation to the Sudbury Geological Discussion Group, a society of university, industry, government and interested public geoscientists.
which was well received and has led to further new research collaborations.

Professor Steffen Büttner has had a fruitful 2016 where he collaborated with colleagues and research collaborators from Kiel University and Potsdam University, Germany and University of Johannesburg and Banro Corp, Canada/DRC. Several papers resulted in these interactions. A personal highlight for Professor Büttner was attendance of the Arthur Holmes Conference at the Geological Society of London and its post-conference field trip to classical geological sights in Scotland, including the Moine Thrust, which is one of the first places where tectonic displacement was described leading to the discovery of plate-tectonics.

Professor A.J. Booth
Acting Head of Department

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Or Afsoon Kazerouni joined the Department of the Geology at the end of 2016.

Photo: Supplied by the Department of Geology


Rhodes University Research Report | 2016

Peer-reviewed Proceedings

Marsh, J. S.

Moore, A.

Scoon, R.

Scoon, R.

Scoon, R.

Scoon, R.

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

Büttner, S.N.


Cousins, D.P. and Tsikos, H.

Fairey, B. and Tsikos, H.

Grosch, E.G.


Harmer, R.E.


McIloughlin, N.

Moore, A.

Mason, P.

Tsikos, H.

Moore, A.


Grosch, E.G.


Harmer, R.E.


McIloughlin, N.

Moore, A.

Cousins, D.P. and Tsikos, H.

Fairey, B. and Tsikos, H.

Grosch, E.G.


Harmer, R.E.


McIloughlin, N.


Scoon, R. Scoon, R. Sm-Nd isotopic evidence for sampling of multiple sources during the emplacement of the Upper Critical Zone, Bushveld Complex, South Africa. 35th International Geological Congress. Cape Town International Convention Centre, Cape Town, South Africa. August 2016.


Distinguished Visitors

Mason, P.R.D.

International Visits

Prevec, S.A. and De Bruyn, J. A. Prevec, S.A. and De Bruyn, J. A. Laurentian University, Sudbury, Canada. Prof. Prevec spent one week in Sudbury, Canada (August, 2017), interacting with local geologists from university and mining companies, gave one public presentation on his original research (to the Sudbury Geological Discussion Group), and together with a Rhodes Geology MSc student (Mr de Bruyn) collected samples for Mr de Bruyn’s thesis research. 20 - 28 August 2016.

Tsikos, H. Tsikos, H. University of Tokyo, Tokyo, Japan. Workshop attendance as part of ongoing collaboration with Professors T. Komiya and Y. Takahashi. 8 - 14 July 2016.

Native gold in hydrothermal quartz vein from the Lugushwa gold deposit.

Photo: Supplied by Steffen Büttner

Banro Corporation’s Namoya Gold Mine. Fieldwork was carried out on the Twangiza-Namoya Gold Belt in South Kivu, eastern DRC, producing the article “Fluid sources in the Twangiza-Namoya Gold Belt (Democratic Republic of Congo): Evidence from tourmaline and fluid compositions, and from boron and Rb-Sr isotope systematics,” published in Precambrian Research in 2016.

Photo: Supplied by Steffen Büttner
All staff members in the Department of History are actively engaged in research. Their output was supplemented by the publications of a Postdoctoral Research Fellow, Dr Tapiwa Madimu, an affiliated scholar, Professor Raymond Suttner, and Distinguished Professor Emeritus, Paul Maylam. In addition, Postgraduates made a contribution to the promoting the research profile of the Department.

Postgraduates / Graduations
During 2016 there were a total of thirty-two (32) Postgraduate students registered in the Department. This number comprised thirteen (13) PhDs, thirteen (13) MAs, and six (6) Honours students, two (2) of whom completed Joint Honours degrees.

One (1) PhD was awarded at the 2016 graduation ceremony. Nina Butler’s thesis titled “Ways of seeing over time: the construction and imagination of ‘historic separation’ in Israeli and Palestinian culture” was co-supervised by Dr Vashna Jagarnath and Professor Gary Baines.

At the same ceremony, Masters degrees were awarded to Jonathan James, Frederik Kirsten and Duncan Park.

Distinguished Visitors / International Visits
During the second semester, the Department hosted the recipient of the Hugh Le May Fellowship, Professor Derek Catsam from the University of Texas of the Permian Basin. Professor Catsam conducted research for his forthcoming book on the Springbok rugby tour of the USA in 1981. While he was here, Professor Catsam presented seminars within the Department and to the Humanities Faculty. He also used his temporary base in Grahamstown as a vantage point to travel to other institutions where he gave seminars. And he published opinion pieces in newspapers such as the Mail & Guardian and Eastern Province Herald.

Professor Gary Baines was invited to present papers at international conferences at the National University of Singapore and the War Museum in Tallinn, Estonia. Dr Nicole Ulrich presented a paper at the University of Pittsburgh in the United States of America. Nina Butler, a PhD graduate, presented a paper at the International Sociological Association Forum in Vienna, Austria.

Professor Gary Baines
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


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


Concerts, Exhibitions, Performances, Workshops, Events

The Department of Human Kinetics and Ergonomics has had an extremely busy year with international visitors, national and international conferences and a good cohort of Postgraduates graduating. In addition, our subsidy-earning publications all had student authors or co-authors.

Postgraduates / Graduations
Our Postgraduates continue to represent the Department well by presenting their work at national and international conferences and publishing in journals.

The Ergonomics Society of South Africa’s conference was held in Cape Town in August 2016, and there were many student presentations from the department. Likewise, the Life through Movement Conference in Pretoria was also well represented by HKE Postgraduate students.

Distinguished Visitors / International Visits
The department welcomed three (3) visitors, Professor Benchekroun (France), and Professor Gomes (Brazil), presented lectures and a workshop in the department in August 2016.

Dr Taliep (Cape Peninsula University of Technology in Cape Town) visited the department in October 2016 to present some of his cricket-related research.

Dr Taliep serves with Professor Christie on the Cricket South Africa Research Committee.

Andrew Todd has been very active on the international scene as part of his work with the International Ergonomics Association (IEA) and as Chair of ErgoAfrica. He travelled to Croatia, China, Columbia, Poland and the United States for conferences and meetings. He has brought back some interesting insights and connections which will stand the department in good stead for the future.

Significant Research Aligned Events
Noteworthy is that all our peer-reviewed subsidy-earning publications included Postgraduates as either primary authors, main authors or co-authors. These publications were with staff members Professor Christie and Miriam Mattison. The students included PhD candidates Victor Egwuonwu, David Goble (who graduated with his PhD) and Lee Pote and Natalie Ross (MSc candidate).

Professor Candice Christie
Head of Department

Photo: Supplied by the Department of Human Kinetics and Ergonomics

Professors Hakim Benchekroun from the Conservatoire National des Arts et Métiers, Paris, France and José Orlando Gomes from the Federal University of Rio de Janeiro, Brazil deliver guest lectures for HKE Postgraduate students on Activity Analysis.
Peer Reviewed Subsidy-Earning Journal Research Publications

Christie, C.J.

Egwuonwu, A.V.


Gobbe, D. and Christie, C.J.

Mattison, M.C. and Ross, N.A.

Pote, L. and Christie, C.J.

Pote, L. and Christie, C.J.

Todd, A.

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

Bennett, C.K. and Zschernack, S.

Christie, C.J.

Davy, J.P. and Gobbe, M.

Gagliano, L.M. and Zschernack, S.

Goodenough, L.B. and Zschernack, S.

Goodenough, L.B. and Zschernack, S.


Hoyi, Z., Gobbe, M. and Zschernack, S.

King, J.C. and Mattison, M.C.

Lifton, S.T., Vlijmen, J.E. and Christie, C.J.

Millear, M.A., Boshoff, D. and Davy, J.P.

Munro, C.E. and Christie, C.J.

Munro, C.E., Edwards, D.A., Steenekamp, T. and Davy, J.P.

Nel, C.D.T., Gobbe, M. and Mattison, M.C.

Nel, R.M.

Parsons, S.L. and Mattison, M.C.

Parsons, S.L. and Mattison, M.C.
Department of Human Kinetics and Ergonomics


Above: HEE students represent the Department at the 2016 Conference of the Ergonomics Society of South Africa. Left: Professor Candice Christie, Sandra Remsing and Dr Janet Viljoen attend the conference of the International Society of Behavioural Nutrition and Physical Activity (ISBNA) in Cape Town. Photo: Supplied by the Department of Human Kinetics and Ergonomics.
Concerts, Exhibitions, Performances, Workshops, Events

Mattison, M.C.

Distinguished Visitors

Benchekroun, T.H.

Gomes, J.O.

Taliep, S.
Dr S Taliep. Cape Peninsula University of Technology, Cape Town, South Africa. Lectures. October 2016.

International Visits

Todd, A.
Todd, A. Croatian Ergonomics Society, Zadar, Croatia. Represent the International Ergonomics Association as International Development standing committee chair - Facilitated a discussion on the development of a strategy plan for future development of the Croatian ergonomics society. 4 - 9 June 2016.

Todd, A.
Tsinghua University, Beijing, China. To attend the first BRICS ergonomics network meeting as meeting coordinator (representing the International Ergonomics Association). 12 - 15 December 2016.

Todd, A.
Colombian Ergonomics Society, Medellin, Columbia. To attend the International Ergonomics Association Council meeting as the IEA international development standing committee chair. 20 October - 1 November 2016.

Todd, A.
2016 has been a productive year for the Department of Ichthyology and Fisheries Science.

Professor Peter Britz’s Operation Phakisa ‘Abalone Restoration Project’ succeeded in seeding one million hatchery-reared abalone in areas depleted by poaching off Cape Recife, Port Elizabeth. The Department’s research has demonstrated the feasibility of abalone stock enhancement as a tool to eradicate poaching, restore sustainable abalone fishing and create jobs.

Professor Warwick Sauer initiated a global review of octopus fisheries. In conjunction with the Australian National University (ANU) he presented a course on ocean governance and sustainable fisheries at Rhodes University for delegates from thirteen (13) African countries. He was invited to China to give a keynote address at a meeting on cephalopod biology. He was also invited to Malawi as a member of an African Regional Academic Advisory Forum. He investigated the environmental effects of containers lost overboard in Algoa Bay from a container vessel in a storm. With Dr Kevern Cochrane, he worked on two (2) multinational projects, GULLS and GLORIA, both covering aspects of climate change. Professor Sauer also worked on a long term sustainability plan for the Department of Ichthyology and Fisheries Science.

Dr Amber Childs is continuing her research on fish movement behaviour and the biology and ecology of important fishery species. She is currently participating in several field and laboratory-based research projects which aim to better understand the movement and migration patterns of recreational fishery species in southern Africa, and to identify divergent behavioural strategies, habitat connectivity and critical nursery habitats of these fishes at an individual, population and species level through applied and fundamental research. She was a collaborator on a SA-Norway bilateral research project, SANCOOP, assessing the migration ecology of important fishery species using the ATAP (Acoustic Tracking Array Platform)/OTN (Ocean Tracking Network) platform at SAIAB, collaborating with Professor Paul Cowley (SAIAB), Dr Tor Naesje (NINA, Norway), Dr Rhett Bennett (SAIAB), Dr Taryn Murray (SAIAB). While this project came to an end in 2016, data is still being collected and collaborations on manuscripts are ongoing.

Dr Childs is currently involved in an ongoing Angolan research programme assessing coastal residency and migrations of recreational fishery species, including teleosts and elasmobranchs. The programme also makes use of the OTN (collaborators: Professor Warren Potts, Mr Alex Winkler, Mr Matt Parkinson). This project has recently extended into northern Angola, and assesses the life-history and management of the Giant African threadfin, Polydactylus quadrifilis, in the Kwanza River to improve our understanding of the socio-ecological aspects of a West African recreational fishery.

Dr Childs is also involved in research which uses beam trawls to assess the importance of estuarine nursery habitats, and choice chamber experiments to identify recruitment mechanisms of estuary-associated species into estuaries (collaborators: Dr Nicola) ames, SAIAB). Her current project assesses the nursery function of estuaries and nearshore marine habitats with emphasis on the recruitment
mechanisms in Algoa Bay, using both field and laboratory techniques. She is also involved in research examining the physical and physiological impacts of catch and release angling in the marine shore-based fishery (collaborators: Professor Warren Potts, Mr Matt Parkinson). This research is part of a community-engagement initiative and incorporates anglers into the scientific process. This research was recently extended into the estuarine environment to quantify the health and survival of fishes after voluntary and mandatory catch and release events in their estuarine nursery habitats.

Professor Horst Kaiser continued collaboration with the South African abalone industry, with a particular research interest in understanding factors that influence settlement success in abalone larvae. In addition, Postgraduate students are studying the behaviour of farmed South African abalone.

Postgraduates / Graduations
Ten (10) MSc students graduated at the 2016 Ceremony, with Chantel Elston and Richard Taylor obtaining distinctions for their theses, titled, “The trophic and spatial ecology of juvenile porcupine rays Urogymnus asperrimus at the remote St J Joseph Atoll” and “The use of treated brewery effluent as a water and nutrient source in crop irrigation” respectively.

Four (4) PhD candidates, Fabien Forget, Alida Nel, Denham Parker and Michelle Soekoe, obtained their degrees in 2016.

Distinguished Visitors / International Visits
Professor Britz acted as external examiner and course reviewer for the MSc course in Applied Marine Science at the University of Mauritius.

Dr Tor Naesje and Dr Ola Diserud, from the Norwegian Institute for Nature Research, Trondheim, Norway (NINA) visited in April 2016, as part of a two (2) week workshop.

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Peer Reviewed Subsidy-Earning Journal Research Publications


Potts, W.M., Bealey, R.S.J. and Childs, A.R. (2016) Assessing trophic adaptability is critical for understanding the response


The Department of Information System is particularly interested in the generation of knowledge in the areas of ICT4D, eGovernment, eLearning, IT Project Management, Social Networks, Health Informatics, and User Experience. Research in these areas has produced one (1) book chapter, three (3) journal articles, and eleven (11) conference papers, with aspects of this research being presented locally as well as internationally in Spain, Ireland, Portugal, and Poland.

In addition to producing research outputs, staff in the Department of Information Systems contribute to their discipline as journal editors, conference reviewers and panel members, and external examiners of theses for other academic institutions.

Postgraduates / Graduations
Postgraduate numbers in the Department have grown to eight (8) PhD candidates, fourteen (14) Masters candidates, and a class of thirty-two (32) Honours students. In April 2016, we celebrated the graduation of one (1) Masters student.

Distinguished Visitors / International Visits
Distinguished visitors to the Department included Dr Adele Botha and Professor Marlien Herselman from the Meraka Institute who participated in research workshops.

The European Union Erasmus Programme for academic staff exchange funded Dr John Lannon to visit the Department where he taught on the ICT4D module led by Professor Caroline Khene. Ms Brenda Mallinson, a Research Associate of the Department, continues to make a valuable contribution to the research efforts, with a number of publications in the field of eLearning.

Significant Research Aligned Events
Through Professor Caroline Khene's research in MobiSAM, she was invited to collaborate with the Public Service Accountability Monitor (PSAM), and serve as an expert panel member for the Pan African Social Accountability Learning Lab in Manzini, Swaziland. In addition, she was selected to serve as an Oversight Committee member for the National Treasury Budget Portal, to be launched in 2017. She currently serves on that committee as an observer to provide recommendations for how to best implement Open Government in South Africa.

Professor Caroline Khene also visited the Kemmy Business School at the University of Limerick in
Ireland where she taught on the Knowledge Management module of the Masters in Project Management programme. In addition, Dr John Lannon and Professor Caroline Khene also ran a live webinar on “Supporting Project Management Practice through Business Education: An International Development Sector Perspective”, hosted by the Project Management Institute (PMI) and Global Business School Network. Their continuous collaboration on ICT4D has led to the development and publication of a research paper.

Professor Greg Foster
Head of Department

Books/Chapters/Monographs


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Peer-reviewed Proceedings


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


Concerts, Exhibitions, Performances, Workshops, Events


International Visits

The School of Journalism and Media Studies (JMS) celebrated one hundred and three (103) JMS graduates during the graduation ceremonies, ranging from BA, BJourn, PGDipJMS, PGDipMM, PGDipEJ, MA to PhD. A range of thought provoking research topics have been brought forward by our three (3) PhD and eleven (11) Masters students who graduated. One of our staff members obtained her PhD, another her MA and a third has submitted her thesis for PhD examination.

Distinguished Visitors / International Visits

During 2016 the School used the weekly research seminar as a space for discussions on institutional cultures, transformation and decolonization of higher education. We approached academics, researchers, writers, activists and journalists to share their experiences and findings. Instead of presenting formal research seminars, we aimed to host a series of conversations as a guide of what we as a School should know about others' research. T. O. Molefe, a writer and essayist based in Johannesburg, joined us to discuss his e-book on race in public and political dialogue in South Africa - ‘Black Anger and White Obliviousness’.

Daniela Lépiz, a Costa Rican data journalist working at Code for South Africa, presented a research seminar on data journalism and why it is important. Raymond Joseph, the head of the media programme at Code for South Africa, presented a research seminar and workshop named “Data journalism, new narrative formats and story generating tools”.

Bridget Hilton-Barber, author of “Student Comrade Prisoner Spy”, joined us to discuss her experiences in publishing, while she was in Grahamstown for the launch of her book. Justine Limpitlaw, the author of the Media Law Handbook for Southern Africa, hosted a research seminar about the impact of colonial-era media laws on the sub-continent and moves to open up these laws, the growth of online activism and the threats posed by internet regulation, the battle for ‘public’ as opposed to ‘state’ broadcasters and challenges facing the SABC.

Significant Research Aligned Funding and Events

The Sol Plaatjie Institute (SPI) was awarded US$19,325.00 by UNESCO to do research on the financial viability of Southern Africa’s community media, especially on how this sector was impacted by advertising agencies’ pricing systems of their advertising spend. A Rhodes University MA graduate in Journalism and Media Studies, Meli Ncube, carried out the research which resulted in the publication of a seventy-four (74) page booklet entitled “A Directory of Community Media and Advertising Trends in Southern Africa”. The booklet has been distributed to community media in Southern Africa.
The 20th Highway Africa conference was held in August under the theme “The Internet and the Media: Celebrations, Reflections and the Future”. With keynote addresses, plenary sessions, panel discussions, training workshops, book launches and networking dinners, the two-day event explored the evolving impact of the internet on both journalism and the media, specifically the disruption that the internet has had on the media. Key funders of the conference were Telkom, the City of Tshwane, Barclays and MTN.

The conference was attended by over three hundred and fifteen (315) registered delegates, similar to the attendance from the previous year. They represented twenty-eight (28) African countries, while beyond our continent we had attendees from America, the Netherlands and Canada. As part of the conference, the Bill and Melinda Gates foundation conducted workshops for solutions journalism, while a Barclays Master Class focussed on the journalistic skills and techniques required for informed economic reporting.

Professor Dugmore obtained two (2) research-related grants – both from the Open Society Foundation of South Africa (OFSA) for R250 000 and R300 000. These are for the study of the financial sustainability of journalism in South Africa and for an investigation into the impact of other factors on the future of journalism in this country. This research has resulted in the creation of a journalism scenarios project that explores where South African journalism might be in 2027.

The Public Service Accountability Monitor (PSAM) is involved in a wide range of activities including research. Thoko Sipungu and Jay Kruse are the lead researchers for the 2017 Open Budget Survey (OBS) of South Africa. Their research began in May 2016 with training on the survey instrument. This work is ongoing and builds upon the results that flowed from PSAM having undertaken the 2015 OBS. The survey results will be released in late 2017 after two (2) peer reviewers have engaged with its initial findings and feedback has been provided. Thokozile Mtsolongo’s research focused on:

(a) Health Systems Governance in the Eastern Cape: An analysis of Audit Findings,
(b) An assessment of Health Infrastructure Maintenance in the Eastern Cape; and
(c) Follow up research on the 2015 outputs related to Emergency Medical Services (EMS) in the Eastern Cape.

Ms. Mtsolongo’s research was presented at the 2016 PHASA Conference in September 2016. PSAM’s human settlements researcher Thoko Sipungu completed a Budget Analysis Brief of the Department of Human Settlements which was then presented at a consultative session in May on the Development of National Human Settlements White Paper. PSAM’s environmental governance researcher Nicholas Scarr was involved in twenty-six (26) regulatory scenarios concerned with activities that have the potential to impact negatively on South Africa’s coastal zone, including property development, deforestation, beach and estuary destabilization, and waste management. The Education Budget Brief produced by the Zukiswa Kota, has been used to influence and contribute to dialogue across multiple advocacy spaces. A public submission intended for both the Portfolio Committee on Education and Committee on Finance and Provincial Expenditure was completed and presented publicly before the Committees in November 2016.

The South African Reserve Bank Centre for Economic Journalism (SARB CEJ) is currently performing research to evaluate the demographic composition of newsrooms involved in the production of financial, economic and business specific journalism. The study will look to produce a yearly snapshot of the state of the financial press in South Africa to provide a basis for discussion and analysis of the changing trends in representation and narrative development in the South African financial press. The research will be collected into a web accessible database and funded to ensure this is an ongoing effort. The database and research will be published quarterly in a journal by SARB CEJ. This work will establish the prominence of work done by the SARB CEJ towards education and transformation of the South African financial press as well as acting as a focal point for research and innovation in the area of Economics and Financial Journalism.

The SARB CEJ will be presenting papers of transformation and the development of a representative narrative in the financial press in South Africa at the SACOMM conference in 2017 and the World Economics Media and Management Conference in 2018.

Professor Anthea Garman
Deputy Head of Department

Former editor of Stuff Magazine and alumnus of Rhodes JMS, Toby Shapshak.

Photo: Ettioné Ferreira
Peer Reviewed Subsidy-Earning Journal Research Publications


The Faculty of Law continues to build research capacity of its staff and students in accordance with its 2014 undertaking to do so.

During the 2016 academic year, staff members participated in many national and international academic conferences as outlined below. This participation paves the way for meaningful contribution by our staff members and students to national and international legal debates.

Postgraduates / Graduations
One (1) LLM candidate graduated at the April 2016 graduation ceremony.

Significant Research Aligned Events
Rhodes University hosted the African Regional Round of the ELSA International Trade Law competition in April 2016. This competition saw international trade law experts from around the globe converge in Grahamstown for a few days to share their knowledge and expertise with students from African universities.

Ms Helen Kruuse successfully hosted the Family Law Teachers’ Colloquium at Rhodes University in September 2016. The Colloquium, which was attended by twenty (20) family law teachers from different South African institutions, included a panel discussion with student representatives from three (3) Eastern Cape Universities on decolonising the family law curriculum.

Professor Rosaan Krüger
Dean of Faculty
Court weighs in on an old debate in Makate v Vodacom. The Constitutional
The relationship between apparent (ostensible)
Glover, G.B.
(Non-peer-reviewed Proceedings)
Academic/Scientific Conferences
Controversies and Challenges.
Van Coller, H.
Peer-reviewed Proceedings
Van Colle, H.
Van Colle, H.
(2016) Short-term credit: recent developments and
the new limits on the cost of micro-loans. SA Mercantile
law. 28 (3). p.461-470.
Kruuse, H.
Kruuse, H.
(2016) Reconsidering the nationality-citizenship
dichotomy. Annual Emerging Legal Scholarship Conference,
Nelson Mandela Metropolitan University, Port Elizabeth. South Africa.
February 2016.
Juma, L.O.
Juma, L.O. The “Malaba Protocol” and domestic criminal
crime systems in Africa: harmony or discordance. GIMPA Law
Juma, L.O. Protection of Internally Displaced Persons in
Kenya under the Prevention, Protection and Assistance to
Khamala, C.
Khamala, C. Dynamic Interpretation of the International
Criminal Court’s Impact in the Kenya Cases;” to be presented at the 18th World Congress of Criminology on the theme “Urbanization, Globalization, Development & Crime: Opportunities & Challenges of the 21st Century” at the O.P. Jindal University Campus in the New Delhi Capital Region, India. December, 2016.
Kruuse, H.
Nwauche, E.S.
Rahim, S.
Van Colle, H.
Van Colle, H.
Human Rights law. 2nd Ed. Durban: LeksNews (Pty) Ltd. p.75-
Nicolson, N.J.
Nicolson, N.J. (2016) Teaching Ethics: Clinically without
Peer Reviewed Subsidy-Earning Journal Research Publications
Campbell, J.
Plaskett, C.
549.
Van Colle, H.
die leerstuk van "nie-inmenging" en "marginale toetsing"
deur die howe: 'n regsvergelykende perspektief. Tydskrif vir die leerstuk van "nie-inmenging" en "marginale toetsing" (2016) Geloofsinstellings en die toepassing van die leerstuk van "nie-inmenging" en "marginale toetsing" deur die howe: 'n regsvergelykende perspektief. Tydskrif vir}
Van Coller, H. Public law “rights” and “values” and the intersections between administrative law, public administration and good governance - a South African perspective. The Unity of Public Law. Faculty of Law, Cambridge. United Kingdom. September 2016.

Concerts, Exhibitions, Performances, Workshops, Events

Davies, G.E.
Davies, G.E. Participant. Third National LLB Writing Development Workshop, Stellenbosch University, Stellenbosch, South Africa, 23 August 2016.

Jabavu, P.

Jabavu, P.

Kruuse, H.

Nwauche, E.S.

Other Publications

Juma, L.O.
During 2016, the Department of Management continued to integrate the development of research thinking and 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
Staff member Tinashe Ndoro completed his PhD during the course of 2016 and will graduate at the 2017 Graduation ceremony. The title of his PhD thesis is, Differentiating Engagement Of Opportunity Identification: A Grounded Theory Study Of Chinese Immigrant Entrepreneurs.

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 Business and Economics (SUIBE) in Shanghai, China.

Professor Louw also lectured at the Shenyang Normal University in Shenyang, China and at the Stockholm Business School in Stockholm, Sweden.

Mr Theus Louw and Mr Hans-Peter Bakker lectured at the University of Utrecht in Utrecht, Netherlands while Mr Mark Maritz lectured at Hochschule Osnabrueck: University of Applied Sciences in Osnabrueck, Germany.

The Department was visited by Professor Bauer from Hochschule Osnabrueck: University of Applied Sciences in Osnabrueck, Germany, to discuss continued collaboration both at the staff and student levels.

Significant Research Aligned Events
Mr Trevor Amos co-authored a textbook, and Professor Lynette Louw and Mr Theus Louw co-authored a chapter in a text-book. Staff also published and presented their research at both local and international conferences. This research was not only co-authored with colleagues and students but also with international academics representing the benefits of international collaboration.

Mr Trevor Amos
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


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


Mr Mark Maritz (left) and Mr Theus Louw (right). Mr Maritz lectured at Hochschule Osnabrueck, the University of Applied Sciences in Osnabrueck, Germany, and Mr Theus Louw, along with Mr Hans-Peter Baikier, lectured at the University of Utrecht in the Netherlands, as well as the Shanghai University of Business and Economics (SUDBE), in Shanghai, China.

Photo: Paul Greenway/3pphotography


Maritz, M. Hochschule Osnabrueck: University of Applied Sciences, Osnabrueck, Germany. To discuss our continued collaboration, both at staff and student levels. August 2016.

International Visits


Louw, L. Shenyang Normal University, Shenyang, China. 2016 Seminar Series for University Presidents from African English Speaking Countries. 3 - 22 August 2016.


The department, consisting of nine (9) faculty members, is engaged in a number of active areas of research across a spectrum of topics in mathematics and applied mathematics. Particular focus areas include:

- Algebraic graph theory;
- Functional analysis including measure theory and martingales;
- Stochastic processes and differential equations;
- Geometric control, particularly invariant optimal control problems on matrix Lie groups (of low dimension), primarily in aspects regarding controllability, geometry of extremals, stability and integrability;
- Computational and analytical relativity, and in particular calculation of gravitational waves from black hole interactions and the study of fluid solutions to the Einstein equations;

Postgraduates / Graduations

The department is proud to have an active graduate programme supporting and providing important contributions to our research efforts. In 2016 we supervised two (2) Masters and five (5) PhD students, as well as hosting two (2) Postdoctoral Research Fellows.

Distinguished Visitors / International Visits

Our academic staff made research visits to India, Germany, Hungary, Romania, Slovenia, Spain, China and the UK. We also received guests from collaborators in Hungary, Germany and the USA, who participated in our local seminar series for staff and students.

Finally we note that Professor Bishop, our former Head of Department, “graduated” to the status of Professor Emeritus on his retirement in 2016 after a long career of distinguished international research.

Distinguished Visitors / International Visits

Our academic staff made research visits to India, Germany, Hungary, Romania, Slovenia, Spain, China and the UK. We also received guests from collaborators in Hungary, Germany and the USA, who participated in our local seminar series for staff and students.

Professor Bishop, Professor Larena and Professor Pollney attended the 21st International Conference on General Relativity and Gravitation, along with their postgraduate students and Postdoctoral Fellows.

Sithembele Nkonkobe also achieved his Doctorate and has moved on to a lectureship at the University of the Free State.

Additionally, the department was pleased to host two (2) Claude Leon Postdoctoral Research Fellows, Dr Rory Biggs (Rhodes) and Dr Apratim Ganguly (formerly of UKZN), who have been making great contributions to our local research environment. At the end of the year, Dr Biggs was appointed as a lecturer at the University of Pretoria.

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Finally we note that Professor Bishop, our former Head of Department, “graduated” to the status of Professor Emeritus on his retirement in 2016 after a long career of distinguished international research.
Significant Research Aligned Events

• On the back of recent ground-breaking discoveries of gravitational waves by the International LIGO detector, Professor Bishop was awarded a special grant by the National Research Foundation (NRF) to pursue international collaborations, in particular with colleagues in India. These funds have been used to support several visits and a Postdoctoral Research Fellow, Dr Chris Stevens, who will join us in 2017.

• The department formalized its participation in the National Astrophysics and Space Sciences Program (NASSP) as an associate member of the Cape Town node. Our participation provides opportunities to offer graduate projects as part of the program, as well as opportunities to offer graduate courses in astrophysics.

• The department continues to actively use its local computer cluster and has become one of the most active users at the Centre for High Performance Computing (CHPC) in Cape Town, and was invited to speak at their national conference in December 2016.

• In December 2016, we welcomed a new staff member, Dr Anslyn John, a graduate of UKZN who strengthens our department’s specialization in general relativity.

Professor Denis Polnney
Head of Department

Books/Chapters/Monographs

Andriantiana, E.O.D.


Peer Reviewed Subsidy-Earning Journal Research Publications

Andriantiana, E.O.D.


Bartlett, C.E., Biggs, R. and Remsing, C.C.


Bartlett, C.E., Biggs, R. and Remsing, C.C.


Biggs, R.


Biggs, R. and Remsing, C.C.


Biggs, R. and Remsing, C.C.


Biggs, R. and Remsing, C.C.


Bishop, N.T.


Bishop, N.T.


Hees, A.


Mohapi, N., Hees, A. and Larena, J.


Naicker, V.


Pollney, D.


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

Bishop, N.T.


Andriantiana, E.O.D.


Larena, J.

Larena, J. Stochastic Cosmological Lensing. 21st

Mohapi, N.

Ndzinisa, D.

Pinchuck, A.L.

Pollney, D.


Remsing, C.C.


The Department of Music and Musicology enjoyed a bumper year of performances, research papers, record high Postgraduate student numbers and journal publications.

The highlight of the year was undoubtedly the Gala Concert, which was performed on 29 September 2016 in the Guy Butler Theatre, Settlers Monument. The performance showcased the newly formed Rhodes University Symphony Orchestra which comprised Rhodes staff and students, top young musicians from local schools Victoria Girls’ High School, Diocesan School for Girls/St Andrew’s College and Kingswood College, as well as invited musicians from the East Cape Philharmonic and Cape Philharmonic Orchestras. The exciting sixty (60) minute musical extravaganza featured the Rhodes Vocalists, Department staff members Jo-nette Le Kay and Catherine Foxcroft, and star violinist, Neo Motsatse. Proceeds from the concert amounting to R20 000 were donated to a BMus 1st year bursary, which was awarded to Ms Nombasa Maqoko in 2017.

Postgraduates / Graduations

During 2016, the Department supervised five (5) Honours students, eight (8) Masters students and one (1) PhD candidate (co-supervised by supervisors in Music and the School of Languages).

At the 2016 graduation ceremony, four (4) Honours and four (4) Masters students graduated, two (2) of the Honours students and three (3) of the Masters students with distinction.

Distinguished Visitors / International Visits

Professor Catherine Foxcroft was invited to be a faculty member at the University of Stellenbosch 6th International Piano Symposium where she lectured and performed several concerts in collaboration with national and international colleagues.

Dr Nishlyn Ramanna was invited to give a guest lecture, Reflections on teaching academic writing and knowledge construction through jazz history, as part of the University of Pretoria’s Music Department Seminar Series.

The Music Department hosted Dr Eric Otchere (Ghana) as a Postdoctoral Research Fellow. During his time at the Department, Dr Otchere contributed significantly in the Department and at ILAM with lecturing in music cognition, performance and research. His publications during this time included one (1) book chapter and two (2) journal articles.

As part of its Concert Series, the Music Department hosted a number of distinguished South African performers across a range of musical genres including the Natalie Rungen Trio, the Kyle Shepherd Trio, Conroy Cupido, James Grace (guitar) and Bridget Rennie Salonen (Flute) (Zomari Duo).
highlight of the Concert Series was the 10th National Grahamstown Music Competition, where top young South African performers ranging from ages 8 to 25 graced the Music Department’s concert hall with their stunning performances.

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

Two (2) staff members presented papers at international conferences:

- Dr Jeff Brukman presented a paper Shifts and Turns: Paul Hanmer’s Nachtroep at the 39th Conference of the Musicological Society of Australia hosted by the Elder Conservatorium of Music, University of Adelaide, Australia.

- Professor Catherine Foxcroft presented a paper at the Performing Knowledge Conference hosted by Cambridge University, Cambridge, UK where she presented a paper Exploring the role of pianists emotional engagement with music in a solo performance and a poster Exploring Musical Flow in Ensemble Performance.

Significant Research Aligned Events

Publications were produced by six (6) of the eight (8) full time staff members. One staff member, Dr Boudina McComachie, authored a music textbook Umculo Wam Iklasi Yam; My Music My Classroom. Bi-lingual teacher resource book using music to teach numeracy and literacy. South Africa: NAC and the NRF SARChI Chair: Intellectualisation of African Languages, Multilingualism and Education. ISBN: 9780620720182.

Concerts, Exhibitions, Performances, Workshops, Events

The Music Department places strong emphasis on performance. In addition to local performances in Grahamstown, three (3) staff members performed at a number of concert venues in the national concert arena:

- Dr Nishlyn Ramanna (composer-pianist in UNISA Foundation Concert Series at the Miriam Makeba Concert Hall, UNISA, Pretoria; ‘Twosday’ concert series, Centre for Jazz and Popular Music, UKZN. Centre for Jazz and Popular Music, UKZN, Durban;

- Ms Jo-Nette Lekay (Opera concert in Port Alfred; Donna Elvira role in Don Giovanni production, Pretoria; soloist with Rhodes University Symphony Orchestra, Guy Butler Hall, Grahamstown);

- Professor Catherine Foxcroft (chamber performance in Bloemfontein, soloist in US 6th International Piano Symposium, Stellenbosch; concerto soloist with Rhodes University Symphony Orchestra, Guy Butler Hall, Grahamstown).

Professor Catherine Foxcroft
Head of Department
Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

Brukman, J.


Foxcroft, C.


Mcconnachie, B.


Concerts, Exhibitions, Performances, Workshops, Events

Foxcroft, C.


Foxcroft, C. (2016) Chamber music. US 6th International Piano Symposium. Faculty Concert. Tchaikovsky, Romeo and Juliet. 4 Pianos collaboration with Professor Nicholas Phillips (University of Wisconsin), Professor Illya Friedberg. Bennie van Eden (US). Extravaganza 10 pianos. Collaboration with Professor Antonio Poma Baldr (Eleveland Institute of Music), Illya Friedberg ( Jacobs School of Music, USA), Professor Francois du Toit (UCT), Professor Albie van Schalkwyk, Professor Malcolm Hay (UK), Professor Nina Schumann (US), Professor Luk Magalizhet (US). Dr Pieter Grobler (US), Dr Truida van der Walt (NWU), Mr Bennie van Eden (US). Endler Hall, US. Stellenbosch. South Africa. 20 March 2016.


Lekay, J.


Lekay, J. (2016) Performance and Workshop. Operatic Performance and Workshop Workshops were conducted with all the singers in the music department in the development of the voice and artistry in vocal performance. Opera Gala Concert with Symphony Opera. Participants were Jo-Nette Le Kay (Soprano), Linette van der Merwe (Mezzo-soprano), Chris Mostert (Tenor), Christian Syman (Baritone) and Paul Ferreira (Accompanist). Beethoven Hall, Settlers Monument, Grahamstown. South Africa. 29 September 2016.

Books/Chapters/Monographs

Mcconnachie, B.


Peer Reviewed Subsidy-Earning Journal Research Publications

Brukman, J.


Foxcroft, C.


Heunis, D.


Ramanna, N.


Stolp, M.


Professor Catherine Foxcroft (piano) at the 2016 Gala Concert. Photo: Kyle Buys
Lekay, J. Voice Workshop. Voice Workshop with Lize Coetzee for all the singing students at RU taking solo voice lessons. The purpose of the workshop, was for voice development and to nurture vocal artistry in the singers in the IMS group.

Lekay, J. Musical Theatre Concert. Women’s Day Celebration Concert featuring Rhodes Vocal Students and Andrew Duncan (Accompanist). Performance with the Rhodes Vocal students in a concert that celebrate women. The main focus was on the genre of Musical theatre. Solo and ensemble pieces were performed. Poetry readings were intermittently done by students as well. Beethoven Room, Music Department, Grahamstown. South Africa. 16 May 2016.

Mcconnachie, B. Group Performance. Ethnomusicology and education students. ILAM end of term concert (performed with them on the marimba and drums). ILAM amphitheatre, Grahamstown. South Africa. 27 June 2016.

Distinguished Visitors / International Visits

During 2016 the International Library of African Music (ILAM) hosted several visiting scholars who are helping to fulfill ILAM’s mission of returning recordings made by its founder, Hugh Tracey, to their communities of origin. Two (2) of these visitors were Fulbright exchange scholars: Jocelyn Moon, a Doctoral candidate at University of Washington, Seattle, and Paul Chambers, from NYU Fredonia, New York. Jocelyn Moon is returning recordings of matepe mbira to communities in northern Zimbabwe where descendants of matepe players recorded by Hugh Tracey live. Through this process she is reviving interest in the music and in the construction of the instrument. Paul Chambers completed pioneering research in recording and transcription of the Dinaka reed pipe and dance of the baPedi in Limpopo as a Fulbright IIE Project that involves teaching the music to student groups in the USA. His recordings have been deposited at ILAM.

Significant Research Aligned Events

ILAM Director, Professor Diane Thram (Professor Emeritus effective 1 July 2016) conducted three (3) fieldtrips to return Hugh Tracey recordings to descendants of musicians he recorded in their communities of origin as part of the ‘Pilot Project in Repatriation and Restudy of ILAM’s Hugh Tracey Field Recordings’ as follows: Mombasa and Malindi recordings made in 1950 and 1952 returned 22-26 February 2016; Malawi recordings from Chikwakwa, Kasungu, Port Herald and Salima Districts made in 1949, 1950, and 1958 returned 22 May - 4 June 2016; Zulu and Shembe Church recordings, films and photographs made in 1955 and Princess Magogo recordings made in 1972 returned 3-5 November 2016 to Shembe Church leaders at the eCilongweni Temple and to Prince Mongosuthu Buthelezi and the present Inkosi Mhlolutini in Ulundi, together with Professor Emeritus Andrew Tracey.

Dr Lee Watkins has continued with his research in Keiskammahoek. This research is conducted in partnership with a community based non-profit organisation, the Ntinga Ntaba kaNdoda Development Centre (NNkNDC). A primary goal of this organisation is to develop a heritage route with the understanding that the research on the music and other cultural practices in the area are conserved and catalogued for the benefit of development.


Dr Lee Watkins
Director: ILAM
Concerts, Exhibitions, Performances, Workshops, Events

ILAM’s travelling exhibition, ‘For Future Generations’ moved from Klerksdorp to the Mahekeng Cultural Museum in August 2016 where it will remain until 31 July 2017.

Peer Reviewed Subsidy-Earning Journal Research Publications


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


The faculty of Pharmacy staff continue to shine. Professor Rod Walker was elected as President of the Academy of Pharmaceutical Sciences. Professor Ros Dowse and Dr Leonie Goosen both received awards at the Academy of Pharmaceutical Sciences Conference. Professor Dowse received the Academy of Pharmaceutical Sciences best Pharmacy Practice Publication Award and Dr Goosen received the Academy’s Distinguished Teaching Award.

Staff and Postgraduate students attended and made a number of presentations at the All Africa Congress on Pharmacology and Pharmacy in Muldersdrift in October 2016.

Postgraduates / Graduations

The Faculty is proud to have graduated four (4) Master of Science (Pharmacy) graduates, one (1) Master of Pharmacy graduate and two (2) PhD graduates.

Distinguished Visitors / International Visits

- Professor Kenneth Schafermeyer who is the Director for International programmes and Dr Stephanie K Lukas from St Louis College of Pharmacy, USA.
- Mr Asok Balachander, staff pharmacist at CVS health, USA, who spoke on ‘Pharmacy in the USA’.
- Ms Nathalie Rucker, USA who spoke on ‘Options of working for the UN’.

Significant Research Aligned Events

Professor Rod Walker was awarded a grant under the SA/India Bilateral Funding programme. The programme is administered by the National Research Foundation (NRF).

Dr Clint Veale received a UK Newton Mobility Grant to support his collaborative research with Edinburgh University.

Professor Santy Daya

Head and Dean: Faculty of Pharmacy
Faculty of Pharmacy

Books/Chapters/Monographs

Peer Reviewed Subsidy-Earning Journal Research Publications
Rhodes University Research Report | 2016

Tandlich, R. and Mayo, F.


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

Chigumete, T.G., and Srinivas, S.


Chisango, R.L. and Veale, C.G.L.


Chiwakata, M.T., Tandlich, R., and Wilhelmi, M.


Mushoriwa, F., Tandlich, R., Mabika, N., and Srinivas, S.


Chigumete, T. and Tandlich, R.


Chigumete, T., Rath, S., Maraj, P., and Srinivas, S.


Tandlich, R. and Mayo, F.


Peer Reviewed Proceedings

Kuzeeko, F.P.K., Tandlich, R., and Srinivas, S.


Dowse, R.


Duxbury, T. and Srinivas, S.


Duxbury, T., Mzizi, T. and Srinivas, S.


Goosen, E.D.


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Chigumete, T.G., Rath, S. and Srinivas, S.


Duxbury, T., Rath, S., Maraj, P., and Srinivas, S.


Marara, P., Rath, S., Sharma, S. and Srinivas, S.


Mbobo, G., Rath, S., Srinivas, S., and Tandlich, R.


Mushoriwa, F., Rath, S., Mabika, N. and Srinivas, S.


Mushoriwa, F., and Mushoriwa, F. and Srinivas, S. Sciences. All Performulation studies for the identification of efavirenz.


Concerts, Exhibitions, Performances, Workshops, Events


International Visits

I would like to thank everybody who contributed to the research output and activities of the Philosophy Department. The significant contribution by the philosophers in the Allan Gray Centre for Leadership Ethics (AGCLE) deserves special mention.

Significant Research Aligned Events

Uchenna Okeja hosted the last Ford Foundation funded CHERTL Series on Critical Issues in Higher Education (30-31 May 2016), which has been running as a yearly event for about five (5) years. The 2016 topic was “Transformation of Higher Education and the Formation of the Canon in African Philosophy and African Literature”.

Pedro Tabensky, the coordinator of the series, was delighted with the results and we received good feedback from roundtable participants. It is likely that a book will be published as a direct result of the Roundtable.

Prominent African philosophers and authors participated. Participants included: Okey Ndibe, Nomalanga Mkhize, Harry Garuba, George Hull, Anthony Oyowe, Chielozona Eze. Uchenna Okeja is to be congratulated for the high quality of this event.

Professor Marius Vermaak
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subscription-Earning Journal Research Publications


Peer Reviewed Non-Subscription-Earning Journal Research Publications


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


Other Publications


Concerts, Exhibitions, Performances, Workshops, Events

The research life in the department is thriving. The department has active research in Experimental Solid State Physics, Nuclear Physics, Theoretical physics, Electronics and Radio Astronomy. Various members of staff served on national and international research panels and have continued to benefit from productive collaborations with colleagues elsewhere.

The Department was pleased to welcome two (2) new Postdoctoral Research Fellows in 2016. Dr Jitumani Kalita and Dr Sunil Thomas from Cotton College and Mahatma Gandhi University in India respectively were welcome additions to the Luminescence Research Group in the first half of 2016.

South Africa has now become established as a hub of the SKA radio telescope. The SKA will be the most advanced radio telescope of its kind. The Centre for Radio Astronomy Techniques & Technologies, headed by Professor Oleg Smirnov, continues to make significant headway in their research programme in this regard.

Postgraduates / Graduations
We were pleased to congratulate four (4) students who graduated with a BSc, five (5) with a BSc (Honours) and six (6) with a MSc.

Significant Research Aligned Events
Professor Chithambo served as a member of The Scientific Advisory Committee for the 18th International Conference Solid State Dosimetry held between 3 - 8 July 2016 in Munich, Germany. Another piece of significant news was that Dr John Bosco Habandjena, a research associate in the department, received an American Geophysical Union Medal under the category of Africa Awards for Research Excellence in Space Science. The department was proud to see Dr Jennifer Williams receive the Distinguished Teaching Award at a graduation ceremony in 2016. Finally, proceedings of the 2015 South African Institute of Physics Conference edited by Professor Chithambo and Professor Venter of Nelson Mandela University, were published.

Professor M.L. Chithambo
Head of Department
Peer Reviewed Subsidy-Earning Journal Research Publications

Abdalla, F.B.

Department of Physics and Electronics

Rhodes University Research Report | 2016


Heywood, I and Smirnov, O.


J onas, J.


J oza, G.G.


Karastergiou, A.


Katamzi, Z.T. and McKinnell, L.A.


Katamzi, Z.T., Habarulema, J.B. and Giday, N.M.


Matamba, T.M. and Habarulema, J.B.


Medved, A.J.


Molenar, G.J.


Nceniyumva, S.


Nceniyumva, S. and Chithambo, M.L.


Nunnokeo, C.D. and Bernardi, G.


Nyirenda, A. and Chithambo, M.L.


Richtel, L., Kemball, A. and Jonas, J.Z.


Roux, D.G.


Sirotho, S.K. and Bernardi, G.


Peer-reviewed Proceedings


Karastergiou, A. and Smirnov, O.


Kombe-Atang, E. F. M. and Chithambo, M. L.


Nyirenda, A. and Chithambo, M. L.


International Visits

Medved, A. J. M.


This year the department once again was active in terms of facilitating public intellectual inquiry, in having a good number of Visiting Lecturers involved in teaching Postgraduate programmes, and staff, visitors and Postgraduate students publishing research and obtaining national and international exposure at academic events:

- Throughout the year, the department offered up space for intellectual inquiry through its weekly public Friday seminar series.
- The annual weeklong Teach-In on ‘The 2016 Local Government Elections’ was held in July 2016.
- Visiting Professors and Lecturers came from Brazil, Ghana, France and Colombia to contribute to Postgraduate teaching.
- The department produced publications in three (3) books and eight (8) journals, and staff as well as postgraduate students presented papers and obtained national and international exposure at fourteen (14) conferences.

Postgraduates / Graduations

The department had a complement of seventy-seven (77) Postgraduate students in 2016. At graduation, nineteen (19) students obtained their Honours degrees (26% being awarded distinctions), four (4) their Diplomas in International Studies (PDIS) and four (4) their Master degrees (three (3) out of these four (4) were awarded distinctions).

Visiting Professors, Lecturers and Postdoctoral Research Fellows

Professor Maria Regina Soares de Lima, Professor and National Senior Researcher, Institute of Social and Political Studies (IESP), State University of Rio de Janeiro (UERJ) served in her first year as the department’s Visiting Nelson Mandela Professor of International Relations. She taught a course on Brazilian Foreign Policy to Honours and MA students and gave a public presentation to Rhodes University.

Professor Steven Friedman of the Centre of Democracy Studies (CDS) in Johannesburg offered a course on “South Africa’s Contested New Order” to Postgraduate students in the department.


Mr Fabio Diaz, conducting PhD research through Erasmus University in Rotterdam, taught a course on ‘Civil Wars in Africa and Beyond’.

Dr Etienne Lock did research in West Africa on Boko Haram and taught a Postgraduate course on ‘African History since 1945’.

The annual Teach-In on the ‘2016 Local Government Elections’ was held in July 2016. Visiting speakers included Commissioner Ms Thoko Mpulwana, Deputy Chairperson of the Commission for Gender Equality, Mr Angelo Fick, eNCA Political Commentator, Mr David Maimela, Researcher in Political Economy, Mapungubwe Institute for Strategic Reflection, as well as Professor Steven Friedman, Director of the Centre for the Study of Democracy at the University of Johannesburg and Rhodes University.

Significant Research Aligned Events

Professor Paul-Henri Bischoff as principal co-editor of the book, Africa on Global International Relations: Emerging Approaches to Theory and Practice (Routledge, 2016) launched the publication at the International Studies Association (ISA) conference in Atlanta, USA, in March 2016.

Professor Louise Vincent worked with two (2) Postdoctoral Research Fellows, Drs Sabrina Liccardo and Nkosi Mpofu and a number of Postgraduate MA and PhD students on topics related to higher educational transformation in a project called Higher Education Transformation in South Africa, funded by the Andrew W. Mellon Foundation.

Professor Leonhard Praeg, who, as part of his Thinking Africa project, coordinated a course on “#MustFall: Understanding the Moment” that analysed the transformative events at Rhodes and across the campuses of the country. In collaboration with the University of the Orange Free State, an international conference, ‘#MustFall: Understanding the Moment’, was held in Bloemfontein. The conference included all course participants from the department, as well as students, academics and management staff from the Universities of Pretoria, Free State, Stellenbosch, academics from Nelson Mandela Metropolitan University (NNMU) and support staff from the University of the Free State (proceedings - currently under review - are to be published under the same title as the conference).

Professor Paul-Henri Bischoff
Head of Department
Rhodes University Research Report | 2016

Books/Chapters/Monographs

Peer Reviewed Subsidy-Earning Journal Research Publications
Gbowee, L. Gbowee, L. (2016) From war to development: Women leading from the nation. Regions and Cohesion. 6 (2). p.4-12.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

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

Concerts, Exhibitions, Performances, Workshops, Events
Alveendo, N.M.N. Alveendo, N.M.N. (2016) Seminar: "Don’t we also deserve nice things?"; the Luminance woman and alternative black

Atta-Asamoah, A.


Diaz Pabon, F.A.


Dznena, G.A.


Lccardo, S.L.


Lock, E.


Lock, E.


Mavura, M.T.


Nedziwe, C.L.


Seale, W.D.


Macleod, C.


Ngxitsana, A.


Schoon, A. and Streitl, L.


Landers, L.


Creative Writing

Diaz Pabon, F.A.


Distinguished Visitors

Atta-Asamoah, A.


Auyn, F.


Diaz Pabon, F.A.

Mr FA Diaz Pabon. Institute of Social Studies, Erasmus University, Bogota, Colombia. Lecture. February 2016.

Fick, A.

Mr Angelo Fick. Political Commentator, ENCA. Speaker. july Teach - in “Local Government Elections 2016.”

Friedman, S.


Handy, P.


Landers, L.

Mr L Landers. M.P, Deputy Minister of International Relations and Cooperation, South Africa. Public Lecture. September 2016.

Lima, M.R.S.


Maimela, D.

Mr David Maimela. Researcher, Mapungubwe Institute for Strategic Reflection (MISTRA). Speaker. july Teach - in “Local Government Elections 2016.”

Mupimwana, T.


Other Publications

Seale, W.D.

The Psychology Department enjoyed another productive year, with a host of research activities, including papers, chapters, reports, workshops, conference presentations and lectures. Prominent research themes include the following:

• Critical health psychology, in particular reproductive health and justice, and gender and sexualities,
• Cross-cultural norms for intellectual and neuropsychological assessment,
• Counselling psychology practice,
• Community psychology,
• Psychotherapy,
• Disability, and
• Performance psychology.

The department’s collaborative partnership with the Critical Studies in Sexualities and Reproduction (CSSR) research programme, led by Professor Catriona Macleod, who holds a SARChI Chair, is a particularly productive one that provides various research opportunities for a number of Masters and Doctoral students in psychology.

Postgraduates / Graduations

2016 saw the graduation of a massive class of fifty-two (52) psychology Honours students, alongside eight (8) Masters students and three (3) Doctoral students. All three (3) Doctoral graduates - Malvern Chiweshe, Tracey Feltham-King and Dale Moodley - were supervised by Professor Catriona Macleod, with Professor Lisa Saville Young as co-supervisor for Dale Moodley.

All three (3) Doctoral graduates continue to be active scholars: Dr Chiweshe did a Postdoctoral Research Fellowship with CSSR for eighteen (18) months and then recently started a Postdoctoral Research Fellowship at the London School of Economics. He is also a Research Associate with the CSSR. Dr Moodley went on to be an Associate Research Fellow at Birkbeck College and Dr Feltham-King lectures at Fort Hare.

Distinguished Visitors / International Visits

World-renowned community psychologist, Professor Caterina Arcidiacono, visited the department in May 2016, funded by the Centre for Postgraduate Studies at Rhodes University. Professor Arcidiacono is a senior professor in Gender Studies at Università Federico II in Naples and past Chair of the European Community Psychology Association. During her time in Grahamstown, she presented a seminar as part of the CSSR programme, an open seminar with staff and other colleagues across the university, and

Professor Jacqui Akhurst was promoted to full Professor in 2016, a recognition of, amongst other things, her extensive research in community-based interventions, often utilising Action Research and Activity Theory.

Photo: Paul Greenway/3pphotography
a workshop with Masters students. Following her visit, Professor Ardidescono joined Professor J acqui Akhurst and a group of counselling psychology interns (currently doing their M2 year in the Rhodes University counseling Centre) at the International Conference on Community Psychology in Durban, where they presented various papers and posters.

Since 2008, the Department has made an annual Social Change Award to recognise prominent members of the Psychology community in South Africa for their contribution to social change in the country. In particular, the project aims to acknowledge people who have gone beyond the traditional boundaries of the discipline and contributed, through intellectual, professional and personal labour, to progressive social change in South Africa; and to expose students to these kinds of role models within psychology.

The 2016 recipient of the Social Change Award is Professor Melanie Radula, Adjunct Associate Professor at the Centre for Law and Society at the University of Cape Town. Her work, over the past fifteen (15) years, includes policy and law reform, advocacy, training and research in areas of HIV, gender, and sexuality. She has been prominent in efforts to achieve marriage equality in South Africa. She has worked with and for a number of social justice NGOs in South Africa and is nearing completion of a book about the politics of homophobia-related violence. Her well-attended public lecture on 2 November 2016 was titled, “Sexuality, violence and the discipline of social change,” in which she explored the question of how psychology features in the makings of queer subjectivity in times of violence.

**Books/Chapters/Monographs**


**Peer Reviewed Subsidy-Earning Research Publications**


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


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


Akhurst, J., Van Der Riet, M. and Solffa, D. Living and Doing HIV & AIDS Interventions in a Changing Rural


Edwards, D.J. Edwards, D.J. When is a parent mode not a parent mode? When it’s an overcontroller - Differentiating punitive, dismissive, and demanding voices and the modes they can be located in. International Society of Schema Therapy. Radisson Blu Warwick Congress Center, Vienna. Austria. July 2016.


Moodley, D. Moodley, D. Saville Young, L. and Macleod, C. Moodley, D. Saville Young, L. and Macleod, C. ‘It was because there was nobody to guide me’: A psychosocial analysis of the construction of responsible sexuality and the repression of sexual desire in sexuality education in South Africa. Second Annual Conference of the Association for Psychosocial Studies. UWE, Bristol. UK. June 2016.

Moodley, D. Moodley, D. Young, L.S. and Macleod, C. Moodley, D. Young, L.S. and Macleod, C. ‘It was because there was nobody to guide me’: A psychosocial analysis of the construction of responsible sexuality and the repression of sexual desire in sexuality education in South Africa. 2nd Psychosocial Annual Conference. University of the West of England, Bristol. United Kingdom. June 2016.


Saville Young, L. Saville Young, L. If you have a really good session you feel good! If you have had a bad session you kind of leave and you’ll be like ‘is it worth it? Are we helping?’ A psychosocial analysis of student volunteers’ experiences of a community engagement programme. 6th International Conference on Community Psychology. Durban International Convention Centre, Durban. South Africa. May 2016.
Shuttleworth-Edwards, A.B.


Concerts, Exhibitions, Performances, Workshops, Events


Distinguished Visitors


Other Publications


The highlight of the year was the hosting of our 2nd Archbishop Thabo Makgoba Development Trust Annual Lecture on value based leadership. Our speaker, former President Kgalema Motlanthe, vividly reminded us of a comment made by South African poet Keorapetse Kgositsile: ‘In a situation of oppression you are either a tool of oppression or an instrument of liberation’.

Motlanthe explained how Kgositsile writes the word pastpresentfuture as one word because the past continues to cast a shadow on the present unless we create a better future for all. The barometer of our current commitment to creating a better future for all, as described in our constitution, is measured by the lived experience of our communities.

Rhodes Business School, through its essence of ‘Leadership for Sustainability’ has taken this to heart and strives to commit to a better future for all, and hence this year we were pleased to be part of the Principals Programme Leading Grahamstown’s Schools in partnership with GADRA, the Department of Management and the Faculty of Education.

During the course of 2016, we ran sixteen (16) short course certificated programmes, with one hundred and fifty-four (154) Certificates of Competence being issued. This in addition to a number of training workshops that we run for various organizations.

Postgraduates / Graduations

Our Postgraduate Diploma in Enterprise Management (PDEM) graduates increased to thirty-one (31) from twenty-six (26) in 2015, with the number of MBA graduates decreasing from twenty-one (21) (our record) to ten (10). The MBA fellowship award recipient as voted by his peers was Bafokeng Khoali.

Distinguished Visitors


International Visits

We were delighted to host a group of visiting academics and MBA students from Governors State University, Illinois, United States of America. A visit was arranged to Settlers Hospital to learn about health care in a private public partnership.
Significant Research Aligned Events

In applying role identity theory and social identity theory to leadership and entrepreneurship, Professor Noel Pearse, continues to collaborate with the Faculty of Economics, University of Ljubljana, Slovenia.

We have been integrating service learning and community engagement into the MBA programme. This has provided an avenue for research, with a symposium paper delivered and a journal article in press, and further research planned.

Professor Owen Skae
Director

Books/Chapters/Monographs


Peer-reviewed Proceedings


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


Former President Kgalema Motlanthe was the speaker at the 2nd Archbishop Thabo Makgoba Development Trust annual lecture, which took place in September 2016. Pictured here (from left to right) are MBA 2016 class Representative Ms Aminah Moore, Dean of Commerce Professor Dave Sewry, Archbishop Thabo Makgoba, Former President Kgalema Motlanthe, Director of the Rhodes Business School Professor Owen Skae, Rhodes University Vice-Chancellor Dr Sizwe Mabizela, and Bishop Ebenezer Ntlali.

Photo: Communications and Advancement Division
The School of Languages and Literatures is a large department comprising six (6) Sections: African Languages, Afrikaans & Netherlandic, Chinese, Classical, French and German Studies.

The year 2016 was rich in research activities for staff and students in the School of Languages and Literatures. At both national and international levels, academic staff took part in various gatherings across the disciplines.

The School launched a number of books during the year: the book John Solilo. Umoya Wembongi. Collected Poems (1922-1935) by Professor Jeff Opland was the first to be launched at the School, in the new building.

The second launch was held for four (4) books: Multilingual Education for Africa (by Professor Kaschula and Professor Wolff), The Grammar of isiXhosa and Say it in isiXhosa (both books by Dr Oosthuysen) and Umculo Wam Iklasi Yam (by Ms. McConnachie).

Furthermore, another interesting book, Ngemena de Paul Lomami Tchibamba: l’engagement narrative, was published by Dr Mukenge in the field of African Francophone literature.

Professor Mwepu was hosted twice as distinguished guest by Jinan University in Guangzhou (China), where he gave conferences on African Francophone literature.

In terms of student activities, the School of Languages and Literatures has succeeded to graduate for a record three (3) MAs and ten (10) PhDs in one single academic year.

Postgraduates / Graduations
At the 2016 Graduation Ceremony, six (6) MA students and one (1) PhD candidate were awarded their degrees. Three (3) MA students, Pumeza Mabusela, Gwyndolen Ortner, and Mathaabe Thabane graduated with distinction. PhD candidate Peter Mose, supervised by Professor Kaschula and co-supervised by Dr Nkomo, wrote his thesis on, “The development of trilingual literacy in primary schools in Kenya”.

Distinguished Visitors / International Visits
The School of Languages and Literatures hosted Dr Remi Armand Tchokothe from Bayreuth University (Germany). Dr Tchokothe gave a conference on Swahili literature.

Professor Mwepu was hosted twice as distinguished guest by Jinan University in Guangzhou (China), where he gave conferences on African Francophone literature.
In 2016, the School of Languages and Literatures continued to organise Postgraduate seminars at individual sections. The biggest seminar was held in October 2016.

Significant Research Aligned Events

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International Visits

Mwepu, P.K. 
Mwepu, P.K., Jinan University, Guangzhou, China. L’écriture culturaliste et la quête de soi. Une approche de la littérature africaine du XXIe siècle. 8 - 15 March 2016.


Left to right: Dr Arthur Mukenge’s book, Ngemena de Paul Lomami Tchibamba. L’engagement narrative. Photo: Supplied by the School of Languages | Say it in isiXhosa and Sê dit in isiXhosa provide an introduction to isiXhosa, written by Professor J C Oosthuysen. Photo: Tarryn Gillitt | Professor J C Oosthuizen’s book, The Grammar of isiXhosa. Photo: Tarryn Gillitt
The Department has had another productive year in terms of research output and Postgraduate throughput. Professor Lucien van der Walt, in particular, has made an outstanding contribution to the Department’s research output with nine (9) publications. Professor Kirk Helliker, meanwhile, has continued his exceptional higher degree supervision record with five (5) of his PhD and MA students graduating this year.

Postgraduates / Graduations
Fifteen (15) Honours, eleven (11) Masters, and six (6) PhD students graduated.

Of the PhD graduates, four (4) PhD candidates were supervised by Professor Kirk Helliker, and two (2) by Professor Gilton Klerck.

The PhD candidates supervised by Professor Klerck looked at e-governance. Fabian Mahundu’s thesis examined E-governance in the public sector, using a case study in Tanzania. Sandra Makwembere’s work was focussed locally, looking at perceptions and experiences of G2E e-Government workplace restructuring in the cases of Buffalo City and City of Cape Town metropolitan municipalities.

The theses by Takunda Chirau and Robert Maseko also had a local, South African focus. Takunda Chirau’s thesis was titled, “Rural livelihood strategies of female headed households in former Bantustans of post apartheid South Africa: The case of Cala, Eastern Cape Province”, and Robert Maseko’s was, “Being a black mine worker in South Africa: The case of Anglo Platinum Mine”.

Looking beyond South African borders, into Zimbabwe, Innocent Mahiya conducted a critical analysis of agricultural innovation platforms among small-scale farmers in Hwedza communal area, Zimbabwe. Tafara Mayazi investigated the survival strategies of the rural elderly in Zimbabwe: A case study of the Hobebo ward in Mangwe district.

Distinguished Visitors / International Visits
Professor van der Walt co-organised several panels on anarchism, syndicalism and anti-imperialism in the West at the 2016 European History and Social Science Conference in Madrid, Spain, where he also presented his work on the regional history of the Industrial and Commercial Workers Union in southern Africa.

Significant Research Aligned Events
The Department of Sociology continues to be an active partner in the Labour Studies Seminar Series,
along with the Neil Aggett Labour Studies Unit (NALSU), the departments of Economics and Economic History, and History. Seminars are held roughly every two (2) weeks during term time, and have attracted up to ninety (90) people at a time. Speakers include leading labour scholars and activists.

Staff members attended numerous conferences, both national and international, throughout the year, including the Annual South African Sociological Association Conference, which the Department hosted in 2016.

Professor Helliker was appointed to the editorial board of the journal of Contemporary African Studies.


Professor Helliker and Professor van der Walt edited a special edition of the Journal of Contemporary African Studies on “Politics at a distance from the state: Radical, South African and Zimbabwean praxis today”.

Professor Gilton Klerck
Head of Department

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


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


Concerts, Exhibitions, Performances, Workshops, Events


The Department of Statistics continued pursuing a broad range of research interests and activities during 2016. Six (6) publications stemmed from both theoretical and applied collaborative research. Dr Isabelle Garisch’s research dealt with Decision Making and resulted in a peer-reviewed journal publication. Professor Lizanne Raubenheimer’s research in Bayesian Control Process resulted in one (1) peer-reviewed journal publication. Professor Sarah Radloff’s research collaborations with the Departments of Entomology (at King Saud University, Saudi Arabia), Management and Psychology resulted in four (4) peer-reviewed journal articles and proceedings. Six (6) papers were presented by members of staff at international (3) and national (3) conferences. Professor Raubenheimer presented research papers in Bayesian Statistics at the Annual South African Statistical Association (SASA) Conference in Cape Town, together with Mr Sharkay Izally, at the International Society for Bayesian Analysis (ISBA) Conference in Cagliari, Italy. Professor Radloff’s four (4) collaborative research papers with the Department of Psychology were presented at the 22nd Annual South African Psychology Congress, Johannesburg and at the Mid-Year Meeting of the International Neuropsychology Society in London, United Kingdom.

Postgraduates / Graduations

Three (3) students graduated with distinctions in Mathematical Statistics (Luke Boswell, Brooke Franklin and Kayla McEwan) and six (6) Honours students graduated, two (2) with distinction (Sithayanda Mtwa and Hans-Peter Bakker). The academic achievements of our most outstanding Mathematical Statistics student, Sithayanda Mtwa, are BSc with double distinction, BSc Honours with distinction, eleven (11) academic awards from 2012 to 2016 including academic colours and many scholarships.

Distinguished Visitors / International Visits

During 2016, the Department was privileged to have the internationally renowned statistician Professor Niel le Roux from the University of Stellenbosch as a distinguished visitor. He gave a series of lectures on (i) Biplots for Quantitative Data, (ii) Biplots for Qualitative Data, (iii) Biadditive Biplots and (iv) Fisher’s Optimal Scoring Revisited.

Professor Sarah Radloff
Acting Head of Department
Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings


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


Distinguished Visitors

Le Roux, N. H. Professor Ng le Roux, Stellenbosch University, Stellenbosch, South Africa. Lectures on: Biplots for Quantitative Data, Biplots for Qualitative Data and Biplots Keynote Lecture: Biplot Models for Qualitative Data, 30 July 2016.


Peer-reviewed Proceedings


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


Distinguished Visitors

Le Roux, N. H. Professor Ng le Roux, Stellenbosch University, Stellenbosch, South Africa. Lectures on: Biplots for Quantitative Data, Biplots for Qualitative Data and Biplots Keynote Lecture: Biplot Models for Qualitative Data, 30 July 2016.
The research output of the Department on an impressive range of zoological topics in 2016 was excellent. The staff, Research Associates, and students published one hundred and eight (108) papers in peer reviewed subsidy earning journals. This output reflects a strong research ethic, enthusiasm for the subject, hard work often undertaken in challenging field conditions, and important collaborative links with both South African and international researchers. Staff and students also travelled widely to undertake research and to present their most recent research findings at local and international conferences. The high regard of the researchers within the Department is reflected in invitations to present lectures, to serve on national and international research committees and journal editorial boards, to act as reviewers of grant proposals and examine theses from other universities, and to review manuscripts for regional and international journals.

Postgraduates / Graduations
The Department continues to attract Postgraduate students from South Africa, the African continent, and from around the world. The multi-nationality of the Postgraduate school gives the department a vibrant atmosphere. At the 2016 graduation ceremony, eleven (11) PhDs, eleven (11) Masters, and eleven (11) Honours students received their degrees.

Distinguished Visitors / International Visits
In May 2016, Professor Martin Hill travelled to Paris to serve as an expert panel member of the Expert Working Group of the European Plant Protection Organization to conduct a Pest Risk Analysis on two aquatic invasive species, Salvinia molesta (giant salvinia or Kariba weed) and Pistia stratiotes (water cabbage). Then in July 2016 he flew to Madison, Wisconsin, USA, to present a plenary paper on the ecological benefits of biological control of water-weeds at the North American Congress for Conservation Biology in Madison.

Professor Martin Villet and Professor Nicole Richoux attended the ECOPATH ecological modelling symposium in Tasmania. Professor Richoux also presented work on trophic ecology of barnacles at the Ocean Sciences meeting in New Orleans.

Ms Tamryn Marsburg, a PhD candidate in the Department, spent three (3) months at the Julius Kühn Institute in Germany where she was testing the efficacy of a baculovirus (CrpeNPV) isolated from a litchi moth against the CpGV resistant European coding moth. She found that the virus was highly effective providing a new weapon for controlling the coding moth, an economic pest of apples and pears in Europe.
Dr Shelley Edwards travelled to Hangzhou, China in August 2016 to present a paper at the World Herpetology Congress. In September 2016 Dr Grant Martin and four (4) entomology students attended and presented work at the XXV International Congress of Entomology in Florida, USA. This conference was attended by about six thousand five hundred (6500) delegates from one hundred and two (102) countries enabling these researchers to develop excellent future collaborations. Closer to home, Professor Adrian Craig visited Senegal, attending and presenting at the 14th Pan-African Ornithological Congress (PAOC). Professor Craig was re-elected to the committee of the PAOC and will help to organize the meeting in 2020 that will take place in Ethiopia.

Significant Research Aligned Events

The departmental academic and research staff, Postdoctoral Research Fellows, and Research Associates continued to forge strong research collaborations both at home and abroad. Professor Christopher McQuaid and Dr Christián Monaco contributed to an international research project involving forty-eight (48) investigators from four (4) continents and ten (10) countries in which long term data sets of temperature measurements in mussel beds (published in Nature Scientific Data) are being collected. These data are helping researchers to understand and predict responses of organisms to climate change. In addition, mimics of individual mussels (robomussels) are being developed to further this work. Robomussels, which are placed on the sea shore in mussel beds, are able to capture “true” body temperatures more accurately than traditional instruments such as thermometers. Professor McQuaid also undertook a research visit to Oman as part of a study investigating how the upwelling of cold nutrient rich bottom water affects the trophic signatures of filter-feeders such as mussels.

The Biological Control Group under the leadership of Professor Martin Hill continued to go from strength to strength, signing an NRF SA-Poland bilateral agreement on the use of viruses to control citrus pests, and an NRF SA-Argentina agreement on water hyacinth control.

Research by Megan Riddin and Professor Martin Villet led to the discovery and naming of two (2) new species of fishes from Namibia and Mozambique, and Professor Villet named two (2) new species of cicadas from the Eastern Cape.

Members of the Department continued to win research awards, and this year an award winner was Postdoctoral Research Fellow Dr Tatenda Dalu. Dr Dalu was awarded the Bronze medal of the Southern African Society of Aquatic Science. This award was in recognition of the high standard of his research.

Professor Alan Hodgson
Head of Department
Peer Reviewed Subsidy-Earning Journal Research Publications


A thoughtful kangaroo encountered on a visit by zoology staff to Tasmania to attend the Ecopath modelling course.

Photo: Nicole Richoux


Dalu, T., Charli, L.D. and Moyo, S.


Dalu, T., Richoux, N.B. and Froneman, P.W.


Froneman, P.W. and Dalu, T.


Hill, M.P. and Moore, S.


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2016 has been an exciting year for the Albany Museum.

**Significant Research Aligned Events**

Dr Helen James continued to serve on the Board of the Society for Conservation Biology, on the Freshwater Working Group.

Dr Helen James and KD-Dijkstra (Stellenbosch University) co-hosted AFRESH1, the first African Freshwater Entomology Workshop, which was held at Midmar (South Africa) from 1-7 February 2016: sixty-nine (69) delegates representing twenty-one (21) African countries working with dragonflies, damselflies, mayflies and caddisflies convened for the first time in history. This very successful workshop has resulted in the continued collaboration between numerous African research groups.

Mr Musa Mlambo and Dr Helen James attended a WRC steering committee meeting in Pretoria 12 April 2016, and Dr James participated in a specialist workshop on the biocontrol of alien aquatic weeds 12 May 2016.

Regional biomonitoring accreditation for River Health Program, was run by Dr Helen James along the Berg River, Grahamstown, 25 August 2016.

Dr James continued her research on Kruger National Park rivers, with Postdoctoral Fellows Dr Lyndall Pereira and Dr Alexandra Holland, with several weeks of fieldwork in April and September 2016.

Ina Ferreira (NRF intern) travelled to Angola for a four (4) week fieldtrip during November as part of the Okavango Wildmess Project sponsored by National Geographic, collecting freshwater invertebrates specimens.

Dr Rose Prevec was appointed as the President of the Palaeontological Society, and as the Chair of the Biostratigraphy Task Group of the South African Commission for Stratigraphy. Dr Rose Prevec was elected a Fellow of the Geological Society of South Africa, and was also appointed to the Council of the Eastern Cape Provincial Heritage Resources Agency.

Dr Rose Prevec, PhD candidate Aswe Malhave, and their team undertook a two (2) week fieldtrip to Sutherland, to excavate two new fossil sites in the area. A spectacular insect and plant fossil collection is emerging.

**Distinguished Visitors / International Visits**

Professor Chris Appleton, freshwater snail expert, visited 20-24 June 2016 (Mr Musa Mlambo and Dr Helen James).

Dr Helen James hosted guest, Dr Edia oi Edia, from the University Nangui Abrogoua, Ivory Coast, 17 September - 31 October 2016, studying mayflies and caddisflies from Ivory Coast and Guinea.

Dr Rose Prevec assisted with guiding visitors from the museums in Lower Saxony, Germany (9-10 October 2016) on a tour of our museums, including the Observatory Museum.
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings

Prevec, R. (2016) “Glossopteris” in South Africa: Ancient Coal Conducting fieldwork in the Kruger Park Rivers, (from left to right) Mr Moffat Mambane (SANParks), Dr Lyndall Pereria da Coneicoa and Dr Helen James (Rhodes University and Albany Museum). Photo: Sean Marr.
Delegates at the AFRESH1 workshop (First African Freshwater Entomology Workshop) held in February 2016, where 69 delegates from 21 African countries met in Howick for a workshop organised by Dr Helen James in collaboration with Dr KD Dijkstra from Stellenbosch.

Dr John Midgley conducting fieldwork in Angola.


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


Concerts, Exhibitions, Performances, Workshops, Events

Barber-James, H.M. Barber-James, H.M. Oral presentation. Collecting, identifying...


Barber-James, H.M. Careers in freshwater science - a museum perspective Albany Museum – celebrating 160 years. Presentations by the Department of Freshwater Invertebrates, Rennie Wing Hall, Albany Museum, Grahamstown. 21 June 2016.


Barber-James, H.M. African freshwater researchers prioritise common goals. The Freshwater Biological Association Newsletter No. 69. Summer 2016. 16-17.


The project team working to improve and expand an electronic edition of A Dictionary of South African English on Historical Principles: (from left to right) Richard Slater (Systems Development Assistant), Bridgitte Le Du (Associate Editor), Tim van Niekerk (Managing Editor), Jason Spencer (Systems Development Assistant).

Photo: Paul Greenway/3pphotography

In 2016, Managing Editor of the Dictionary Unit for South African English (DSEA), Mr Tim Van Niekerk, co-authored an article with André du Plessis from the Department of Afrikaans and Dutch at Stellenbosch University, titled Adapting a Historical Dictionary for the Modern Online User: The Case of the Dictionary of South African English on Historical Principles’ Presentation and Navigation Features. The article was published in the journal Lexikos.

The research paper is a 2016 outcome of an ongoing project to improve and expand an initial pilot electronic edition of A Dictionary of South African English on Historical Principles, which was a first shoestring-budget version of the DSEA’s flagship historical dictionary originally published in print. Subsequent improvements were modelled as software/design development recommendations in the paper, with input from theoretical lexicographers (University of Hildesheim, Germany, and University of Stellenbosch). The dictionary encoding was subsequently improved by the DSEA to support the implementation of these changes, and design and development work began.

Bridgitte Le Du joined the project team in early 2016 as a freelance assistant for this purpose, and began working full-time in December 2016.

Jason Spencer and Richard Slater came in December 2016 and January 2017. Since December 2016 the team have been implementing the changes modelled in the paper, and Mr Tim Van Niekerk will be in Germany again in 2017 to work on the next stages (advanced search functionality).

Peer Reviewed Subsidy-Earning Journal Research Publications

The Electron Microscopy Unit provides light and fluorescent microscopy, scanning electron microscopy/EDS and transmission electron microscopy services for all departments in the science faculty.

The main users of the facility are from the Departments of Chemistry, Pharmacy, Geology, Microbiology and Biochemistry, Ichthyology and Fisheries Science, Zoology and Entomology.

In addition, the unit provides these services to staff and students from Nelson Mandela Metropolitan University (NMMU), the University of Fort Hare and Walter Sisulu University. This includes assisting and training the researchers (both staff and students) to use the various instruments.

External researchers from the South African Institute for Aquatic Biodiversity (SAIAB), Environmental Biotechnology Rhodes University (EBRU), Albany Museum and the East London Museum have also made use of the facilities during the last year.

**Postgraduates / Graduations**

Most of the work is done by Postgraduates and staff members, but we also assist many Honours students and conduct practicals for undergraduates and Honours students.

Thirty-one (31) Masters students and twenty-four (24) PhD candidates were assisted in 2016.

**Shirley Pinchuck**

*Acting Head of Unit*

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**MSc student Zinzi Sinazo using the stereo microscope for larval ecology studies.**

*Photo: Supplied by the Electron Microscopy Unit*

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*Photo: Supplied by the Electron Microscopy Unit*
Electron Microscopy Unit

MSc student Azole Sindelo using the TEM for nanoparticle analysis.

Photo: Supplied by the Electron Microscopy Unit

Peer Reviewed Subsidy-Earning Journal Research Publications


Peer-reviewed Proceedings

The Institute for Environmental Biotechnology, Rhodes University (EBRU) is a self-funded autonomous institute of the university and targets research and development in environmental biotechnology at the interface between the fundamental and applied sciences.

Established in 2008, its main focus areas are: wastewater treatment and beneficiation; renewable energy derivation and implementation including anaerobic digestion; land rehabilitation technology, in particular post-mining and including remediation of hydrocarbon spillage and natural product, agricultural, and microalgae biotechnology.

EBRU continued research and development of its suite of sustainable remedial biotechnologies for industry supported by grants awarded to Professor Keith Cowan from Anglo American Coal, The Water Research Commission, and the Technology Innovation Agency.

In addition, a patented passive mine water treatment process developed by EBRU secured funding from Eskom and Anglo American, and a pilot plant has been established in Mpumalanga Province. Work continued on the design and implementation of a commercial scale integrated algal pond system (IAPS) for the Barberton Wastewater Treatment Works, Mpumalanga funded by the Department of Science and Technology (DST) via the Water Research Commission (WRC).

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 wastewater continued as part of several Postgraduate studies. Thus much of the current research at EBRU focuses on further developing many of its sustainable remedial biotechnologies for use at the water-energy-food nexus. In this way EBRU strives to contribute to enhanced water security, food security, energy security and provide economic prosperity to local communities. The water, energy and food security nexus means that water security, energy security and food security are inextricably linked and is central to sustainable development. Indeed, the Barberton IAPS project provides the ideal opportunity to bring together several biotechnologies viz. algae-based wastewater treatment, biogas production, and (bio)-fertilizer production. Among the project deliverables for the Barberton IAPS are production of >250 ML/annum clean water for irrigation or infiltration and, 5000-7500 kg/annum of nitrogen-rich algae-based fertilizer.

Postgraduates / Graduations

Five (5) Postgraduate students were registered at EBRU for higher degrees in Environmental Biotechnology in 2016 - two (2) PhD and three (3) MSc.
Ms Sylvie Tebitendwa 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 Anglo American Thermal Coal-sponsored study on possible mechanisms involved in the bacterial breakdown of coal discard.

Ms Taobat Jimoh, Ms Ashleigh Geldenhuys, and Mr Kuhle Nkangala continued their respective MSc studies on microbial-bacterial extracellular polymeric substances, hydrocarbon biodegradation, and algae-based fertilizer production.

Significant Research Aligned Events
EBRU participated in a number of meetings facilitated by the Water Research Commission (WRC), the Department of Science and Technology (DST), Technology Innovation Agency (TIA), and the South African National Energy Development Institute (SANEDI) on aspects related to development of platforms for wastewater, agriculture, and bioenergy in South Africa.

Ms Lerato Sekhohola, a Doctoral graduate of EBRU, was successful in publishing the fourth manuscript from her PhD thesis. This particular manuscript, published in the International Journal of Coal Science & Technology, provides experimental evidence for the in situ transformation of waste coal into a humic-enriched soil-like material to support revegetation and rehabilitation i.e. the Fungcoal process, a patented rehabilitation biotechnology developed by EBRU in collaboration with Anglo American Thermal Coal and currently being manufactured for use in the South African coal mining industry. EBRU continues to explore commercial opportunities for other biotechnologies developed in our laboratories over the past ten years.

Professor A. Keith Cowan
Head of Department

Books/Chapters/Monographs

Peer Reviewed Subsidy-Earning Journal Research Publications

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Peer-reviewed Proceedings

Other Publications

PhD candidate Jacob Olewale monitoring coal-degrading bacteria. Photo: Supplied by EBRU
Staff and students of the Institute for the Study of English in Africa (ISEA) showed a great commitment to and focus on the academic project in 2016.

Postgraduates / Graduations
The professional teacher education and development programmes, the Bachelor of Education (BEd) in English Language Teaching and Master of Education (MEd), are team-taught by full-time staff members (Ntombekhaya Fulani, Monica Hendricks, Rejice Mawela, Madeyandile Mbelani) and a group of part-time lecturers (Karen McCarthy, Ann Smalies with contributions from Yolisa Kenqu, Helen Lockyear, Anna Tshuma, and Ruth Woudstra). The BEd in ELT graduated fifteen (15) students and the ISEA had one (1) full-thesis MEd student, in 2016.

The MA in Creative Writing (MACW), with Paul Wessels as Coordinator in 2016, and a team including Stacy Hardy, Robert Berold, Mxolisi Nyezwa and Lesego Rampolokeng and part-time teachers, Marike Beyers, Mangaliso Buzani, and Paul Mason, graduated twenty-one (21) students, eight (8) with distinctions in April 2016.

Distinguished Visitors / International Visits
There were a number of distinguished visitors in 2016. The ISEA (together with the Department of Drama) co-hosted African Humanities Visiting Fellow, Dr Bode Ojinnjy, Visiting Fellow of the African Humanities Programme in the first semester, and Dr Reggie Duah, also a Visiting Fellow of the African Humanities Programme, in the second semester.

Mr Mandla Matyumza, Director of the Centre for the Book, was a speaker at the 5th biennial ISEA-ECCEA (Eastern Cape English Educators' Association) conference and at Wordfest, where his Centre launched two (2) books.

On 31 March 2016, Rhodes University conferred an Honorary Doctorate on South African poet and author, Mr James Matthews, and the MACW hosted an event to celebrate this. ISEA Director, Professor Monica Hendricks, and Professor Robert van Niekerk, Director of the ISER, welcomed and introduced Matthews, and students and staff from the MACW were joined by poets from the Cycle of Knowledge programme in reading poems from his many anthologies and collections, including his earliest works such as Cry Rage (1972) and Black Voices Shout (1974).

The Andrew W. Mellon Foundation-funded ‘Writer-in-Residence’ programme of the MACW hosted South African poet Ronelda S. Kamfer and Kenyan journalist and publisher, Billy Kahora in the first and second semester, respectively. Both Kahora and Kamfer hosted seminars and workshops with MACW students and presented successful public readings at the National English Literary Museum. Kahora also participated in the 2016 MACW colloquium on teaching creative writing and Ronelda S. Kamfer and Nathan Trantraal participated in Live Writing at the National Arts Festival.

The MACW Andrew W. Mellon Foundation ‘Scholar-in-Residence’ programme hosted Kris Saknussemm, a literary genre specialist from the USA. It was a pleasure hosting Kris Saknussemm whose

Professor Peter Marx delivers the keynote address at the 9th Triennial Congress of the Shakespeare Society of Southern Africa (SSOSA), 4-7 July 2016.
Photo: Supplied by ISEA
experience and willingness to go the extra mile won him firm friends from knowledge-hungry students and staff alike.

Emeritus Professor Donald Bear, University of Iowa, and Professor Lori Helman, University of Minnesota, presented a guest lecture to the BEd in ELT class in July.

The primary aim of Wordfest, convened by Professor Chris Mann with Sonwabile Mfecane as Coordinator, is to promote a culture of reading and writing in South Africa’s different languages. Wordfest 2016 was limited to the Eastern Cape component, given a reduction in funding. The Wordfest team of radio journalists, led once again by Khaya Thonjeni, in daily crossings to national and community radio stations, reached some ten million people, in this way meeting one of our other aims – to raise the profile of writers. Dr Pembmy Majodina, MEC for Sport, Recreation, Arts and Culture, a core funder, opened the multilingual celebration. Among the participants were Dr Nomalanga Mkhize of Rhodes University, and Professor Peter Mtuze.

The 2016 DALRO Lecture comprised a talk and the launch of a book by Michelle Hattingh from Cape Town entitled ‘I was the girl who was raped’. Her talk elicited a passionate response from both men and women writers present who congratulated and thanked Michelle for her courage in breaking the silence around rape.

Numerous books in a variety of languages were launched, with book readings and lively discussions. These included the following:

- Mzukisi Silandela: Arrested Poetry
- Yolisa Madolo: Uzenzile Akakhalela
- M.O. Dlangamandla: Hleka Nodlangi
- Phikolomzi Jaxa: My Rebellious Road to Prison

Significant Research Aligned Events

2016 was a richly intellectually stimulating and productive year, with ISEA staff members hosting, and participating in, various conferences and colloquia at Rhodes University.

The Shakespeare Society of Southern Africa (SoSSA), in collaboration with the ISEA, hosted the 9th triennial SSaSA Congress in July 2016, with the theme ‘Shakespeare: Religion, Psychology, Anthropology’. Professor Peter Marx of the University of Cologne was the keynote speaker. A number of national and international delegates presented papers, including Professor Sophie Chari, Blaise Pascal University, Professor Sarah Roberts (University of Wilwatersand), Professor J ane Taylor (University of Leeds), Professor Chris Thurman (University of Johannesburg), Dr Brian Wilan (Senior Research Associate of the ISEA), and Emeritus Professor Laurence Wright (Senior Research Fellow at North-West University).

The 5th biennial networking teachers’ conference, hosted jointly by the ISEA and the Eastern Cape English Educators’ Association (ECCEA), with the theme of ‘Reading: A Societal Matter – How can we Contribute to a Reading Nation?’ took place in July 2016. It was attended by one hundred and twenty-six (126) delegates. The keynote speakers were Dr Jenny Joshua of the national Ministry of Basic Education and Dr Anna Femeira of University of Wilwatersand. Ms Caroline Grant, of the British Council, was a delegate and we were also happy to have a speaker from the continent, Mr Abayneh Hail, from the British Council in Ethiopia. ECEEA is attracting national attention; the ECCEA President, Norman Fumba, and the Director, Professor Monica Hendricks, presented a paper at the invitation of the national Department of Basic Education on 4 October 2016.

The MACW organized and hosted a two (2) day colloquium on the Development of Teaching Practices in Creative Writing in August 2016. This colloquium brought together more than twenty (20) creative writing teachers from around South Africa, and further afield (Kenya and the USA), to share methodologies and pedagogical approaches.

Professor Monica Hendricks
Head of Department
Friends in South Africa

Bind: Race and the Politics of Ties that Rampolokeng in the book


South Africa

the book

published by Wits University Press.

Photo: Tarryn Gillitt

Begginnings and Endings

Bound to Voilence: Scratching Rampolokeng published the chapter

Stacy Hardy and Lesego


Plaatje's Native Life in South Africa: past and present.


Willan, B.

Education: the shaping of a comparative perspective.

Grahamstown. In: Kallaway, P. and Swartz, R. (eds.).

Anglican Church and Mission Education in Victorian

(2016) 'A Test of Civilization': Shakespeare, the

Willan, B.


(eds.).

reception. In: Remmington, J., Peterson, B. and Willan, B.

Willan, B.


In: Hendricks, M. (ed.).


Hendricks, M. (ed.).


Hendricks, M.G.


Hendricks, M.G.


Hendricks, M.G.


Leff, C.


Willan, B.


Willan, B.


Wright, L.S.


Peer Reviewed Subsidy-Earning Journal Research Publications

Leff, C.


Mason, P.


Willan, B.


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

Hendricks, M.G.


Leff, C.


Mason, P.

Mason, P. Literary Representations of Masculinity in Apartheid and Post-apartheid South Africa. Political Masculinities as Agents of Change. Anglia Ruskin University, Cambridge. United

Books/Chapters/Monographs

Berold, R.


Hardy, S. and Rampolokeng, L.


Hendricks, M.G.


Leff, C.


Mason, P.


Willan, B.

Institute for the Study of English in Africa (ISEA)

Rhodes University Research Report | 2016

Willan, B.

Concerts, Exhibitions, Performances, Workshops, Events
Leff, C.
Mann, C.M.

Creative Writing
Berold, R.
Berold, R. (2016) Posie In A ma chambre?
Hardy, S.
Leff, C.
The Institute of Social and Economic Research (ISER), which includes the Neil Aggett Labour Studies Unit (NALSU), engaged in a range of innovative research projects and publications focused on social policy and labour studies, in 2016.

In the ISER new international collaborative and comparative projects were funded and initiated. The first is an international comparative research project on public private partnerships and social policy in South Africa, India and the UK (funded by the UK ESRC) and the second a research project on public engagement on the National Health Insurance (NHI) and health care reform (funded by the World Health Organisation South Africa office and commissioned by the Ministerial Office of the national Department of Health).

The ISER continues to make a significant contribution through peer-reviewed published articles and invited presentations to debates in the scholarly community on the NHI and the transformation of the system of health care from its apartheid past.

The ISER 2016 Vuyisile Mini Winter School on labour, social policy and social democracy was held in conjunction with our Neil Aggett Labour Studies Unit and in continued partnership with our funder the Friedrich-Ebert-Stiftung. The School remains a key centre of public engagement on social policy concerns of direct relevance to the organised working class and poor and continues to enjoy enthusiastic support for its provision of critical educational content.

NALSU continues to rapidly grow into a leading centre of labour scholarship and dissemination. New high policy and scholarly impact labour research proposals have been developed including a pioneering project on a new methodology to identify skills and occupations that are in high demand (OIHD) in the South African economy.

NALSU scholars also continue to provide intellectual leadership and coordinate major national research projects such as one focused on labour market intelligence jointly with the HSRC. The output of NALSU scholars has been prolific, both in high impact peer reviewed journals and in the working paper series. The Labour Studies Seminar Programme continues to attract participation from leading labour scholars and activists in the country and remains a key centre and exemplar of collegial engagement within the university.

The ISER Doctoral and Masters level intake has increased significantly with the NALSU stream on labour in particular adding to the existing cohort of ISER students who are completing their Postgraduate degrees.

ISER and NALSU scholars have also been invited to and active in presenting at conferences and high level policy colloquia. Noteworthy presentations amongst other in 2016 include Dr Michael Rogan on the “The impact of informal-sector job losses on poverty” presented at a National Treasury workshop on ‘Employment, Income Distribution and Inclusive Growth: Strengthening evidence-based policymaking,’ and a keynote presentation by Professor Robert van Niekerk on the “The Long Road to Universal Health Care in South Africa: Why It Must Succeed” to the Board of Health Care Funders (BHF) annual meeting.
Distinguished Visitors / International Visits

In 2016, the ISER and NALSU lead motivations for two (2) prestigious Honorary Doctorate awardees, which were awarded at the 2016 Graduation ceremony, and ISER and NALSU were honoured to host them at this time. The first, Professor Eddie Webster, is considered a foundational scholar of labour studies as an academic discipline, having written seminal texts on the subject in South Africa, and is further considered an exemplar of engaged scholarship. The second awardee, Mr James Matthews, is a prize winning, acclaimed international poet and considered the leading socially engaged ‘resistance’ poet still alive in South Africa, with his writings first published in 1946.

As part of the hugely successful NALSU Labour Studies Seminar Series (in partnership with the Departments of Sociology, History, and Economics and Economic History) leading South African scholars presented and were hosted by the unit in 2016, including Professor Nicoli Nattrass and Professor Jeremy Seekings of the University of Cape Town and Dr Nicolas Pons-Vignon of the University of the Witwatersrand.

Noteworthy is that the ISER, in conjunction with the Office of the Vice-Chancellor of University of Witwatersrand, institutionally co-hosted Professor Prabhat Patnaik, a distinguished Marxist economist from Jawaharlal Nehru University, who delivered the 2016 Harold Wolpe Memorial Lecture at the Lilliesleaf Trust in Johannesburg. Professor Patnaik’s paper will be published as part of the ISER Working Paper Series.

Postgraduate students

The ISER is pleased to report that a graduate student who received financial and academic data support through the NALSU Labour Studies Masters programme, Mr Kanyiso Ntikinca, was appointed into a lectureship in the Department of Sociology.

Significant Research Aligned Events

Scholars of the ISER and NALSU were called upon to utilise and apply their research expertise for significant policy and scholarly engagements in 2016.

Professor Robert van Niekerk was invited to convene a three (3) part lecture series on health care reform drawing on his published research for the annual Social Policy Academy Workshop at UNISA and also to provide expert evidence to a Department of Monitoring and Evaluation Workshop Round-Table on the NHI and South Africa’s Health System.

Dr Rogan, Senior Researcher of NALSU, was appointed as the coordinator of the National Department of Higher Education and Training’s Research Colloquium on Skills Planning. This significant event brought together stakeholders from a range of different backgrounds to discuss the country’s framework for skills development.

Dr Reynolds (current Head of NALSU) and Dr Rogan were also contributing members of the National Minimum Wage Research Initiative (NMWRI). In this capacity they supported a number of the NMWRI’s research projects and served as discussants at the project’s main policy roundtable event at the University of the Witwatersrand in 2016.

Dr Reynolds was invited to contribute to a three-person panel (including Andrew Donaldson of the National Treasury) that discussed the 2016/17 provincial budget at an event hosted by the Eastern Cape MEC for Finance.

Professor Robert Van Niekerk
Head of Department
Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Peer Reviewed Non-Subsidy-Earning Journal Research Publications


The Institute for Water Research (IWR) undertakes high level fundamental and practical research in the field of water resources science – including surface and groundwater hydrology, aquatic ecology, water quality, ecotoxicology, and water governance. Researchers are committed to disciplinary research quality, and we now also specialise in offering the opportunity of integrating research in transdisciplinary academic and practice excellence. We have a large, thriving, and diverse Postgraduate school.

Postgraduates / Graduations

This year the Institute produced one (1) PhD, two (2) MSc’s and one (1) PGHDE (Postgraduate Diploma in Higher Education) at the 2016 Graduation ceremony. In addition, two (2) MSc’s were awarded in the Departments of Management and Environmental Science, with IWR supervision and funding.

Distinguished Visitors / International Visits

IWR staff and students have been well represented at a number of international and regional meetings during 2016: including the Carnegie RISE conference, the Kovacs Colloquium in Paris; the 8th International Congress on Environmental Modelling and Software (EUMS) conference in Toulouse, France; the 18th SANCIAHS National Hydrology Symposium held at the University of KwaZulu-Natal in Durban; the 43rd International Association of Hydrogeologists (IAH) International Congress held in Montpellier; the 17th annual WaterNet conference held in Gaborone, Botswana; and the 14th Conference on Complexity Systems, Amsterdam, The Netherlands.

Significant Research Aligned Events

Dr Jane Tanner received a research grant from Carnegie RISE to set up a research network which will focus on increasing the awareness of the importance of the interactions between surface water and groundwater in Africa. This network has partnered with the Africa Groundwater Network (AGW-Net) and will specifically focus on fostering stronger links between surface water hydrologists and groundwater hydrologists who work largely in isolation in Africa.

Doctoral student, Ms Notiswa Libala was awarded a South Africa System Analysis Centre (SASAC) bursary. Dr Odume and Ms Libala visited SASAC as part of South Africa students-supervisors delegation. SASAC is actively linked with the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria.
UCEWQ research continues to be highly influential in South Africa, and in particular, the work of the Mzimvubu to Tsitsikamma Protocatchment Management Agency (MTCMA). The ground-breaking project, ‘Integrated Water Resources Management – Towards Practising a ‘New Paradigm’ (TPNP), comes to an end in 2017 but has altered the way people practice water resource management in South Africa.

A series of ‘How to’ handbooks are in development to guide the practice and implementation of IWRM in South Africa, and are aimed specifically at Catchment Management Agencies and forums, as well as civil society organisations. The research basis of this work has also forged links between the Departments of Environment and Water and Sanitation.

Books/Chapters/Monographs


Peer Reviewed Journals


Peer-reviewed Proceedings

Clifford-Holmes, J. K. and Slinger, J. H.
Clifford-Holmes, J. K., Pollard, S., Biggs, H., Chitambakwe, K., Jonker, W., York, T., Diaz Pabon, F. A. and Slinger, J. H.
Resilient by design: a modelling approach to support scenario and policy analysis in the Olifants River Basin, South Africa.

Slaughter, A. S. and Mantel, S. K.
Slaughter, A. S. and Mantel, S. K.
The validation of algal growth processes in a water quality model using remote sensing data.

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

Palmer, T.
Shackleton, S., Scott, D., Palmer, T. and Lotz-Sisitka, H.

Slinger, J. H.
Klein, R., Reawasen, S. and Slinger, J. H.

del Carmen Nava Guerrero, G., Schweiz, P. and Slinger, J. H.
An affiliated institute of the School of Journalism and Media Studies:
Rhodes University

During the course of 2016 the PSAM staff engaged in various research and capacity building initiatives that seek to give effect to its 2016 – 2019 Strategic Plan. The most significant of these are detailed below.

Distinguished visitors/Overseas Visits

The PSAM’s efforts to improve state governance processes has been undertaken at multiple levels during 2016. At a national and regional level, the PSAM’s education researcher Zukiswa Kota was at the forefront of collaborative efforts involving the Global Initiative for Fiscal Transparency (GIFT). This resulted in PSAM engaging with South Africa’s National Treasury, including collaborative and reflective presentations on fiscal transparency at a meeting held in Mexico City during April.1 From 13 to 17 June 2016, Jay Kruuse and Rachel Gondo participated in the International Budget Partnership’s (IBP) meeting in Barcelona, Spain, with groups working across the globe to strengthen human rights budget work.

During 2016 the PSAM’s Regional Learning Programme (RLP) delivered three accredited certificate courses to in excess of sixty (60) participants working primarily across Southern Africa to promote good governance and democracy. While two (2) of the courses were held at the Continuing Education Centre, the third course was moved off campus (including the participant’s accommodation) due to student protests surrounding the #FeesMustFall movement. This resulted in considerable revenue losses for Rhodes University and considerable added costs for PSAM.

Zukiswa Kota has driven the PSAM’s advocacy to boost civil society participation in the development of an open budget data portal to respond meaningfully to Commitment 2 of South Africa’s Open Government Partnership (OGP) Country Action Plan.2 On 5 May 2016, Zukiswa Kota presented at a conference co-hosted (with World Vision) a social accountability learning lab conference in Manzini, Swaziland. The conference encouraged participants to interrogate their social accountability approaches in the pursuit of enhanced, robust and improved service delivery outcomes. The conference was attended by accountability practitioners, strategists, activists, researchers, government officials, and donors from over 15 countries.

Photo: Supplied by PSAM

1 See the following tweets that relate to this advocacy: https://twitter.com/Right_to_SAM/status/713794869629624232/photo/1 and https://twitter.com/FiscalTrans/status/717869459336089800 and https://twitter.com/GlobalIntegrity/status/728223137551371138

2 PSAM and National Treasury coordinated the first meeting relating to the budget data portal, bringing together ten senior officials from National Treasury and five civil society representatives with others invited including the Black Sash, Rural Health Advocacy Project (RHAP), Right to Know (R2K), Equal Education, the Equal Education Law Centre, Wits Institute of Social and Economic Research (Wiser) and the Studies in Poverty and Inequality Institute (SPII).

3 Tweets related to the panel: https://twitter.com/Right_to_SAM/status/728222832619081278 and https://twitter.com/GlobalIntegrity/status/728223137551371138
on a panel hosted by Global Integrity at the 2016 OGP Africa Regional Summit entitled “Follow the Money: how can citizens use fiscal data to contribute to sustainable development in Africa?” Prior to this, on 4 May, Ms. Kota participated in related workshops hosted by the GIFT. On 20 June 2016, she delivered a presentation at a GIFT workshop with Raquel Ferreira of National Treasury, which reflected on national lessons learnt and the need for further fiscal transparency across all sectors in South Africa. PSAM’s ongoing interactions with National Treasury has helped to support engagement and improved levels of understanding between this critical arm of government and civil society.

Thokozile Mtsolongo represented PSAM in a Community of Practitioners on Accountability and Social Action in Health (COPASAH) at a regional meeting in Uganda on 26 and 27 July 2016. The meeting brought together COPASAH members from the ESA region to build their capacity in learning and sharing, creating partnerships for sustainability, understanding the trends in social accountability and exploring ways to strengthen the ESA network.

The Advocacy Impact Programme at PSAM co-hosted (with World Vision) a social accountability learning lab conference in October 2016 in Manzini, Swaziland. The conference encouraged participants to interrogate their social accountability approaches in the pursuit of enhanced, robust and improved service delivery outcomes. The conference was attended by accountability practitioners, strategists, activists, researchers, government officials, and donors from over fifteen (15) countries. A conference report has since been produced and is available.

Thoko Sipungu and Jay Kruuse are the lead researchers for the 2017 Open Budget Survey (OBS) of South Africa. Their research began in May 2016 with training on the survey instrument. This work is ongoing and builds upon the results that flowed from PSAM having undertaken the 2015 OBS. The survey results will be released in late 2017 after two (2) peer reviewers have engaged with its initial findings and feedback has been provided. Thoko Sipungu’s research focused on: (a) Health Systems Governance in the Eastern Cape: An analysis of Audit Findings; (b) An assessment of Health Infrastructure Maintenance in the Eastern Cape; and (c) Follow up research on the 2015 outputs related to Emergency Medical Services (EMS) in the Eastern Cape. Ms. Mtsolongo’s research was presented at the 2016 PHASA Conference in September.

On 12 May 2016, Zukiswa Kota gave a presentation on provincial administrative and governance challenges at the Equal Education Law Centre’s Roundtable. PSAM’s erstwhile human settlements researcher, Thoko Sipungu completed a Budget Analysis Brief of the Department of Human Settlements which was then presented at a consultative session in May on the Development of National Human Settlements White Paper. The Department had requested a presentation under the theme “funding human settlements” which saw participation by key stakeholders and representatives from the National Department of Human Settlements.

Mr. Sipungu has since accepted an invitation to sit on the provincial departments committee reviewing the policy guidelines for integrated and sustainable rural housing delivery. Thoko Sipungu also prepared a Brief Review of the Performance of the Eastern Cape Province in terms of the Statistics South Africa Community Survey Report which was released in July.

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4 Tweet profiling the event: https://twitter.com/GlobalIntegrity/status/727518485102876425
5 http://fiscaltransparency.net/presentations/CT_SA_Works hop_summary_16May16_VF.pdf
6 Representatives from the International Budget Partnership (IBP), National Treasury, the Collaborative African Budget Reform Initiative (CABRI) and delegates from Ghana, Egypt, Liberia and Cameroon also participated at this side-paint of the OGP Africa Summit in Cape Town (4th – 6th May 2016)
7 Tweets profiling this advocacy intervention include: https://twitter.com/FiscalTrans/status/744979190815072256; https://twitter.com/ClaireCSchouten/status/74497778909327408; https://twitter.com/FiscalTrans/status/745273439569620992; https://twitter.com/FiscalTrans/status/74528767901862881
8 http://survey.internationalbudget.org/
On 1 July 2016, Zukiswa Kota provided input on the context of monitoring provincial legislature to fellow participants of the Parliament Watch Project of the Dullah Omar Institute at the University of the Western Cape. These engagements have provided a vital space for reflection about promoting accountability through and within oversight bodies. On Wednesday 31 August 2016, Zukiswa Kota presented a working paper entitled Budgeting for accountability through and within oversight bodies.

In recognition of the need to garner mass support, Zukiswa Kota, has been used to influence and empower citizens to hold public officials to account while influencing oversight processes; the PSAM education desk has partnered with the Eastern Cape Communication Forum (ECCF) to provide local media practitioners with the space to engage on these matters. In July, this involved a series of workshops with Eastern Cape print media, radio and television journalists. A snapshot of the workshops11 is provided by a local award-winning investigative journalist, Msindisi Fengu.

In August 2016, partners of the PSAM’s Regional Learning Programme (RLP) met in Bulawayo, Zimbabwe to reflect on their work to-date. Participants shared insights about difficulties and opportunities of using monitoring, evaluation, and learning (MEL) to improve social accountability practice. The RLP with the support of its partners have decided to embark on a two-year ‘pilot learning journey.’ A technical team is leading this journey with RLP’s partners who engage in systemic rights-based social accountability work. The learning pilot presents a good opportunity to address the need and interest in generating valuable knowledge across different contexts on why and how there is change and adaptation of the PSAM approach and, more importantly, the pilot will interrogate whether or how the changes/adaptation has contributed to broader change processes such as service delivery/policy outcomes. The pilot will generate knowledge that will be beneficial to the broader social accountability community as well as produce information that will be of particular interest to the participating organizations. The technical team will also be blogging regularly on the COPSAM website (www.copsam.com), sharing insights about the process of undertaking a learning journey to encourage discussion and participation of the broader social accountability community.

PSAM’s Advocacy Impact Programme (AIP) embarked upon two case studies in 2016. The first study assessed whether the Social Learning Framework could be used for monitoring, evaluation and learning by practitioners applying the PSAM approach. The study was finalised in May 2016 and has been disseminated electronically and is available here. The second case study focused on the coalition (EChNCAC) that the PSAM health researcher is a member of. The study has explored the formation of the coalition, the belief system of its members, and the role the coalition plays in the policy engagement process. It is in the final stages of editing and will be published in early 2017.

9 http://www.publicinterestlawgathering.com/programme/
11 https://vimeo.com/174792329
The Partnership for Social Accountability (PSA) held its first regional stakeholder workshop in Johannesburg on 8 and 9 November 2016. The consortium consisting of ActionAid, PSAM, ESAFF and SAfAIDS, with support from the Swiss Agency for Development and Cooperation (SDC), is seeking to improve public service delivery in agriculture (food security), and health (HIV/AIDS, sexual and reproductive health and rights) by strengthening the oversight and social accountability roles of five key stakeholders in four countries in the SADC region (Zambia, Malawi, Tanzania and Mozambique). Five key stakeholders (elected members of parliament, national and regional parliamentary committees, relevant government departments, civil society organisations (CSOs), smallholder farmer organisations and the media) attended the first regional stakeholder workshop. The goal of the workshop was for the PSA consortium to officially introduce the project to targeted stakeholders, as well as to consult stakeholders on the project’s planned activities which consist of capacity building, learning, and collective action. At the core of the consortium’s strategy is research, capacity building and application of the PSAM’s rights and evidence based approach to social accountability monitoring.

Mr Jay Kruuse
Director

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

Nxele, L.L.
On the research front it was a quiet year at Rhodes University Mathematics Education Project (RUMEP). With a considerable increase in the number of students enrolled for the BEd (in-service) Mathematics Education degree in 2016, RUMEP was not able to allow more staff members to attend conferences and present papers. As a result only a few papers were presented at conferences during the year.

Dr Clemence Chikiwa who is the RUMEP research coordinator, was able to attend the ISTE International Conference in the Kruger National Park during October 2016, as well as the AMESA Congress in Mbombela during July 2016.

All final year RUMEP students presented their ‘How I Teach’ research papers at the beginning of the fourth term and these were favourably received by all present.

Postgraduate/Graduations
Two 2/1 staff members, Clemence Chikiwa, graduated with a PhD in Mathematics Education in April 2016 and Thomas Haywood graduated with an MEd.
Peer-reviewed Proceedings

Chikiwa, C.

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

Chikiwa, C.


Concerts, Exhibitions, Performances, Workshops, Events

Jack, N.B.


Penlington, T.H.
Penlington, T.H. Workshop. Understanding the comparison of fractions using the number line. AMESA Regional Congress. Algoa College, Port Elizabeth. South Africa. 28 May 2016.

Distinguished Visitors

Mali, V.

Sonanzi, Z.

Speckman, M.
Professor M Speckman. WSU Campus, Queenstown, South Africa. Discuss BEd course. September 2016.
Once again SAIAB has broken several records in terms of annual outputs. Altogether five (5) BSc Honours, thirty-seven (37) MSc and twenty-three (23) PhD projects were undertaken in 2016, a fine achievement by a staff of only eight (8) full-time scientists and an expanding cohort of Postdoctoral Research Fellows.

In addition, eighteen (18) students received their Postgraduate degrees in 2016. Of a total of twenty-six (26) projects/programmes conducted during the year, fourteen (14) were linked primarily to the molecular biology and systematics focus and twelve (12) dealt mainly with conservation biology and ecology issues.

The Acoustic Tracking Array Platform (ATAP), led by Professor Paul Cowley, continues to reveal new discoveries about marine animal movements around the South African coastline. To date, more than seven hundred (700) animals equipped with long-life transmitters are being monitored by this platform. Long-term acoustic telemetry movement studies initiated in 2016 included new marine species such as smooth hammerhead sharks (Sphyma zygaena, International Union for the Conservation of Nature (IUCN) Vulnerable), bronze whaler sharks (Carcharhinus brachyurus, IUCN Near Threatened), blue stingrays (Dasyatis chrysonota), duckbill rays (Aetobatus olivaceus, IUCN Data Deficient), eagle rays (Myliobatis aquila, IUCN Data Deficient) and diamond rays (Gymnura natalensis, IUCN Data Deficient).

In 2016 SAIAB’s acoustic telemetry team initiated an exciting project on the Breede Estuary that will monitor how large adult dusky kob utilise the estuary and the neighbouring De Hoop Marine Reserve. The project is being managed by Dr J D Filmalter (a PDP Postdoctoral Fellow). Another Postdoctoral Fellow, Dr Rhett Bennett, was invited to Zimbabwe, along with Dr Ryan Wasserman, to initiate a movement study on tiger fish (Hydrocynus vitatus). Both these Postdoctoral Fellows have been involved in MSc and PhD student supervision, and a large number of publications are being generated from a wide range of studies.

Professor Alan Whitfield continued to lead a major collaborative research programme on Eastern Cape coastal micro-outlets and micro-estuaries. Scientists and Postgraduate students from SAIAB, Rhodes University, Nelson Mandela Metropolitan University (NMMU) and the South African Environmental Observation Network (SAEON) are busy studying the differences between these small coastal systems, to answer the fundamental questions - When does a coastal outlet become an estuary and How do these systems fit into the suite of estuaries on the subcontinent?

Professor Whitfield is also supervising Nokubonga Mbandzi, who is investigating the link between river flow and the abundance of two planktivorous fish species in the Kariega Estuary, and Melissa Pollard who is studying the use of different types of littoral habitats by fishes in the Knysna Estuary.

Several MSc projects being supervised by Dr Nikki James were wrapped up in 2016. The focus of these projects was the impact of climate change on fish communities. These projects took two approaches; 1) examining the effect of extreme flood events on estuarine fish communities and 2) assessing the impact of ocean acidification on the early life-stages of the dusky kob, Argyrosomus japonicus.

In the freshwater-deprived Kariega Estuary, which is normally hypersaline in the upper reaches, an episodic flood event restored estuarine conditions in the estuary, such that it provided suitable nursery habitat for recently recruited fishery species, particularly Angyrosomus japonicus and spotted grunter Pomadasys commersonii. In a freshwater-
enriched estuary, the Great Fish, extreme flooding had a negative impact on the fish community, with significant reductions in both fish diversity and abundance being recorded.

In laboratory experiments, pre-flexion *Argyrosomus japonicus* larvae showed no metabolic response to ocean acidification treatments. However, post-flexion stage larvae showed metabolic depression of standard metabolic rate and a reduced metabolic scope when exposed to high pCO$_2$ treatments. Larvae raised in high pCO$_2$ treatments also showed high levels of mortality, leaving no individuals surviving past the post-flexion stage. These results suggest that ocean acidification may have major impacts on the early marine phase of this species.

Dr Francesca Porri and her research team have expanded their research on larval biology and processes in coastal waters. The running and management of the multidisciplinary African Coelacanth Ecosystem Programme (ACEP) funded project on the pathways of larval dispersal has filled the year with intensive field trips on board the coastal vessels uKwabelana and Phakisa. Dr Chan (Hong Kong University of Science and Technology) joined Drs Pattrick and Porri in August 2016 for a series of experiments that tested fluorescence-based oxygen consumption by several stages of marine fish larvae.

The World Harbour Project was launched in November 2016 for the African component, with East London Harbour being the selected site. This project, in partnership with scientists from thirteen (13) countries around the world, is using ecofriendly, reduced pH, concrete manipulated to create holes and crevices, as well as indigenous ecosystem engineers (bivalves) to monitor the establishment and growth of intertidal biodiversity in harbours.

Dr Gavin Gouws’s research activities during 2016 encompassed the continuation of the National Research Foundation (NRF) Competitive Programme for Rated Researchers investigating dispersal and its consequences in freshwater crabs, studies of the connectivity of marine and estuarine fishes between South Africa and Madagascar on the ACEP III Suitcase Project, DNA barcoding of marine invertebrates on the collaborative NRF Foundational Biodiversity Information Programme SeaKeys Project, and collaborative research on goatfish systematics and taxonomy with Dr Franz Uiblein (Institute of Marine Research, Norway).

Two (2) MSc students continued their work on the crab programme, with Bruce McCure investigating the genetic structure of crabs in the Kei River system, and Frankie de Beer undertaking a parasitological study of crabs. Yonela Sithole entered the second year of her MSc, which involves a taxonomic reassessment of the mottled moray in the Western Indian Ocean.

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Two (2) students on the ACEPIII Suitcase Project, Lindile Cele and Samantha Ockhuis, finalised their respective studies towards the end of 2016. Sisanda Mayekiso graduated with her MSc from Rhodes University in April 2016.

Professor Olaf Weyl received an NRF-B rating and his research group continues to contribute towards the knowledge base required for better conserving Africa's aquatic ecosystems. Outputs in 2016 included a review of Clarias gariepinus invasions in Brazil and South Africa in the journal of Fish Biology and a paper in the high impact journal Science on the threats of oil extraction to Africa’s Great Lakes. He also delivered the keynote address at the International Conference of Aquatic Invasive Species in Winnipeg, Canada, on conflicts associated with alien fish management in South Africa. His research group also initiated a Water Research Commission-funded project partnering with the University of the Western Cape, University of Fort Hare and University of Venda entitled “Reteneone policy support and capacity development through integrating aquatic ecosystem monitoring in Postgraduate research projects with particular emphasis on HBu’s”. By partnering with Historically Black Universities in long-term environmental monitoring projects, the current project directly contributes to transformation and redress, as well as to Human Capacity Development in the Water Science Sector.

The multi-institutional collaboration BioGaps Project was launched in 2016 to mobilise foundational biodiversity information to inform shale gas exploration and other infrastructure developments in the Karoo. Dr Albert Chakona from SAIAB is leading an exploration of freshwater fishes in this region. A major field survey was conducted in the Gouritz River system in November 2016, with more surveys planned for 2017 and 2018. Dr Chakona was also closely involved in a five (5) day IUCN red listing workshop which was hosted by SAIAB and SANBI in September 2016 to review the conservation status of all South African freshwater fishes.

Professor Paul Skelton, despite his retirement, had a chapter published in the ‘Freshwater Life’ field guide, as well as finalising a co-authored chapter in a book on temporary rivers (due out in 2017). He co-authored two (2) cyprinid papers, one of which produced the surprise that Opsaridium peringuey and Opsaridium zambezense seem not to be sister species as had been assumed. He also spent a good deal of time during the year identifying fishes from the Mara River in East Africa for Gordon O’Brien and fishes from the headwaters of the Okavango in Angola.

In conclusion, the productivity of SAIAB research staff, students, Postdoctoral Fellows and Honorary Research Associates continued at a high level during 2016, with ninety (90) refereed scientific papers published. A total of thirty-seven (37) conference and symposium papers were delivered at a wide variety of national and international venues. A number of contract and consultancy projects were also undertaken by research staff and some of our projects received international funding. In addition to these more formal activities, our scientists continue to communicate information about their research for use by managers, scholars and the wider public. This is evidenced by the twenty-six (26) public presentations delivered and forty (40) research related popular articles produced by SAIAB staff during the year.

Professor Alan Whitfield
Chief Scientist

Books/Chapters/Monographs

Peer Reviewed Subsidy-Earning Journal Research Publications


Bills, R., Skelton, P.H. and Weyl, O.L.F.


Chakona, A. and Jordaan, M.S.


Conradie, W.


Cowley, R.D.


Ellender, B.R. and Vitule, J.R.S.


Ellender, B.R., Wasserman, R.J. and Wu, Y.


Ellender, B.R. and Weyl, O.L.F.


Elliott, M. and Whitfield, A.K.


Filman, J.


Filman, J. and Forget, F.


Gennai, E.


Gon, O.


Gon, O. and Mwale, M.


Heemstra, P.C.


Heys, E.R. and Bernard, A.


Heys-Veale, E.R. and Bernard, A.


James, N.C.


James, N.C. and Harrison, T.D.


Lambert, S.P.


Lambert, S.P. and Cowley, P.D.


Lipinski, M.R.


Magellan, K.


Mchugh, K.J. and Weyl, O.L.F.


Nasiru, T.F.


Ntuli, N. and Mwale, M.


Nunes, A.L. and Weyl, O.L.F.


Paterson, A.W.


Patrick, P.


The Eastern Cape Micro-estuaries Project team comprising scientists, Postgraduate students and Postdoctoral Fellows from Rhodes University, RFF-SAAAB and Nelson Mandela University.

Photo: Tatenda Dalu


Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Introduction

During 2016 the work of UHURU flourished. This was primarily because the work of the Unit is founded on the encouraging of well-informed research and debate and also emphasises the formation of a cadre of responsible young intellectuals from South Africa and Africa who think critically and are prepared to draw appropriate conclusions from such critical thought. The emphasis on transforming culture and de-colonizing the university, initiated by students, was debated at length within a number of our sessions.

During 2016 UHURU created an intellectual space in which black intellectuals, and thinkers from the Global South more generally, are taken seriously. This has, in itself, been a major contribution to transformation at Rhodes, and our programme has consistently enjoyed the support of young black staff and students. This has created a node where transformed epistemic practices are available to those students and staff wishing to be associated with them.

UHURU has linked Rhodes University to an extended network of world class national and overseas scholars who understand that our work is at the cutting edge of thinking today and who are therefore keen to attend our seminars and give lectures when they happen to be in the country. This has meant that UHURU has access to leading figures on the global stage in fields ranging from philosophy to literary theory to urban studies and fine art. The overwhelming majority of these people are black academics with their roots in the Global South. This has not gone unnoticed by South African students elsewhere.

UHURU organised a very successful reading group named Theory and Event in which theoretical perspectives relating to emancipatory struggles were discussed and debated at length, and also set up a number of important book launches where contemporary issues (rape, racism, xenophobia, etc) were debated at length.

Writing workshops also continued and our students throughout the year developed a presence in the public sphere contributing written pieces (journalistic writing, op-eds) of excellent quality.

As part of the MoU with the University of Lille 1 in France, UHURU was able to host a French student undertaking research on xenophobia and invited Dr Hayem to run a number of workshops on radical methodologies founded on the conceptual affirmation that all people are capable of thought.

We were also visited by Professor Richa Nagar from the University of Minnesota, who also ran a number of important research workshops with graduate students.
students from the whole faculty of Humanities on feminist methodologies.

We were also honoured to affiliate Professor Ernest Warnam-die-Wamba (Kongre University) and Professor Lewis Gordon (UCom, USA) to the work of UHURU. Both are internationally renowned scholars who have increased the international profile of the Unit and visit regularly.

UHURU also hosted a number of well-known scholars from throughout South Africa and the Global South the most important of whom are listed below and organised a one day colloquium on Social Movements facing State Repression in South Africa and a panel on popular mobilisation in Zimbabwe.

Our own scholars (UHURU affiliated students, and Rhodes University academics) were also provided with a public platform to discuss their work while staff at UHURU, Professor Michael Neocosmos and Associate Professor Richard Pitgrove, continued with their research, and seven (7) students were funded by UHURU bursaries.

Postgraduates / Graduations

One of the students funded by an UHURU bursary, and registered in the Department of Political and International Studies, Patrick O'Halloran, obtained his Masters degree with distinction.

Distinguished Visitors / International Visits

Particularly noteworthy visitors included Professor Pumla Gqola (Wits), Dr A Selmecei (JICT), Mr Eusebijus Mckaiser (journalist and commentator), Professor William Beinart (Oxford), Professor Maurice Vambe (UNISA), Professor Richa Nagar (U. Minnesota), Dr. J. Hayem (U.Lille), Dr Saleem Badat (Melton USA), Professor David Theo Goldberg (UCLA), Dr Leslie Hatfield (Michigan State), Dr Danai Musopha (Wits), Dr Thozama April (UWC), Professor Yoichi Mine (Kyoto, Japan), Professor S. Pillay (UWC), Professor A. Kamugisha (UWI) and Mr Bongani Madondo (journalist and writer).

Significant Research Aligned Events

In total, UHURU organised nineteen (19) seminars, eight (8) public lectures, four (4) Master classes, ten (10) book launches, four (4) Training Workshops, and one (1) colloquium throughout 2016 as well publishing numerous articles and a major book, entitled “Thinking Freedom in Africa - Towards a Theory of Emancipatory Politics”.

Professor Michael Neocosmos

Director Unit for the Humanities at Rhodes University (UHURU)

Books/Chapters/Monographs


Peer Reviewed Subsidy-Earning Journal Research Publications


Left to right: Professor Michael Neocosmos, Director of UHURU, authored the book Thinking Freedom in Africa: Toward a Theory of Emancipatory Politics, published by Wits University Press in 2016. Thinking Freedom in Africa was the winner of the 2017 Frantz Fanon Outstanding Book Award.

Professor Richa Nagar from the University of Minnesota visited UHURU in 2016. She ran a number of important research workshops with graduate students from the whole faculty of Humanities on feminist methodologies.

Dr Saleem Badat, Programme Director of International Higher Education and Strategic Projects at the Andrew W. Mellon Foundation, and former Vice-Chancellor of Rhodes University, visited Rhodes in March 2016, and UHURU was privileged to host his seminar, Deciphering the Meanings, and Explaining the South African Higher Education Student Protests of 2015-2016.

UHURU hosted Professor David Theo Goldberg in June 2016. Professor Goldberg is the Director of the University of California Humanities Research Institute.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications


Book Reviews


Other Publications
