



RETHINK. REINVENT.

TABLE OF **CONTENTS**

| EXECUTIVE SUMMARY AND PRINCIPAL RESEARCH - Message from the Vice-Chancellor - Message from the Deputy Vice-Chancellor | 5 |
|---|--|
| RESEARCH AND POSTGRADUATE Division of Research and Postgraduate Studies Research and Innovation NRF-rated Researches The South African Research Chair Initiative (SARChI) Research Funding | 8 10 10 10 10 |
| RESEARCH OVERVIEW - Accredited Research Outputs - Approval Rate - Submission Success Rate - Research Outputs - Research Activity - Research Funding | 11 12 12 13 18 19 |
| GLOBAL - Global Impact and International Footprint | 20 |
| RESEARCH CENTRES - URC Recognised Research Entities - The South African Research Chairs Initiative - African Diplomacy and Foreign Policy - Education and Care and Childhood - International Law - Geometallurgy - Indigenous Plant Use - Social Change | 22 23 23 24 24 24 24 24 24 24 |

NATIONAL RESEARCH FOUNDATION

- National Research Foundation Ratings
- List of NRF-rated Researchers as at December 2013

OUTSTANDING RESEARCHERS

- Outstanding Researchers (VC Awards)
- Vice-Chancellor's Distinguished Awards

POSTGRADUATE CENTRE

- The Postgraduate Centre
- Structure, Capacity and Organisational Design
- Aim and Specific delivery areas
- PGC Delivery and Impact
- Research Capacity Development
- Postgraduate Marketing and Information
- Enrolled Postgraduate Students
- Postgraduate Output per Qualification Type
- Postgraduate Research Funding

FACULTY RESEARCH REPORTS

| 2 | |
|--------|---|
| 2 | |
| 3 3 | |
| 3 | 1 |
| 3 | 2 |
| 3 3 | 3 |
| 3 | |
| J | J |



66 2013 was a year of great challenge and also of great reward.

VICE-CHANCELLOR AND PRINCIPAL

2013 was a year of great challenge and also of great reward. We were the fastest mover in the University Rankings By Academic Performance (URAP) from position 1038 to 788, achieved a fantastic Top 4% rank in the QS World Class Universities Ranking, ranked a superb 61st in the QS BRICS World Class Universities Ranking, stewarded our financial and physical resources with great efficiency, effectiveness and care, sustained our position as SA's Number Two university brand, and for the first time, more than 5,000 under-graduate students provided substantial voluntary services to our communities.

The focus in 2013 remained on sustained excellence in Research and Postgraduate Studies while providing outstanding strategic and operational support for research and postgraduate studies. As a consequence, and for the third year running, accredited research output significantly exceeded target, increasing to 873.91 units, and is up 12.86% on the previous year's 774.35 units.

Generally, staff with master's or doctoral qualifications drive research in an institution, and at UJ there are sustained initiatives to encourage staff to obtain master's or doctoral qualifications in order to enhance the quality of teaching and to increase the pool of active researchers: during 2013 the number of academic staff undertaking doctoral studies reached 134, ahead of the target of 130.

The NRF operates a researcher evaluation and rating system to promote research excellence and grow the country's research capacity, and thus South African universities have used the number of rated researchers affiliated to the institution as a measure of the institution's capability to conduct quality research as well as to establish themselves as research-intensive institutions. Thus, UJ has in place a programme for identifying and assisting new and potential applicants for rating, and for others to move from a lower rating to a higher one, and this is yielding good results. Thus, rated researchers have increased from 115 to 133. The increase in the number of rated researchers was mainly attributed to new ratings rather than to new staff joining the University. Also of significance is the gain in the number of C- and Y-rated researchers.

Importantly, and as part of nurturing a culture of postdoctoral research, in 2013 UJ had awarded 120 postdoctoral research fellowships, with plans to expand this number to 200 by 2020. The majority of these postdoctoral fellowships were held in the faculties of Science and Humanities, with approximately 30% funded by the National Research Foundation.

The establishment of two new research institutes - Telecommunications, and Chemistry: Economic Catalysis - have been approved and, alongside the seven UJ National Research Foundation Chairs, these two new research centres should be fully operational at the beginning of 2014.

Resolution Circle Nano (RC) was successfully established as the hub for technology innovation and technology transfer, as well as for contributing to improving the stature and quality of technological programmes. Resolution Circle moved to its new and more spacious premises during the first half of 2014. A significantly enhanced Board is now in place to improve governance, and it is supported by the executive directors who are responsible for driving the achievement of agreed results. Within the context of RC specific activities focused on energy and automation are well underway, while those for water and telecommunications are in the development stage.

The expansion and redevelopment of the Doornfontein campus to a world-class hub for our health sciences, and engineering and the built environment faculties, are well underway, however it is expected now to only be ready for full occupation during the second term of 2014, and not at the opening of the new academic year as planned.

PROFESSOR IHRON RENSBURG Vice-Chancellor and Principal

A sizeable number of UJ researchers are recognised both nationally and internationally.

DEPUTY VICE-CHANCELLOR: RESEARCH, POSTGRADUATE STUDIES, LIBRARY AND **INFORMATION CENTRE**

The year 2013 was a critical period for the Division of Research and Postgraduate Studies. Though there were changes in the staff component, especially at senior levels, the Unit is happy to report a healthy improvement and achievement in all its Key Performance Indicators (KPIs). The focus in 2013 remained on sustained excellence in Research and Postgraduate Studies and providing strategic and operational support for research and postgraduate studies at UJ, with the faculties as the key drivers for this strategic thrust.

All information pertinent to research activities and support functions is disseminated through the website www.uj.ac.za/research. The functional activities of the division are measured through KPIs with goals and targets defined annually in the institutional scorecard. For the 2013 academic year, the key performance indicators were:

- accredited research output;
- proportion of international to national research publications;
- number of rated researchers; • number of postgraduate
- student enrolments.

According to data from Scopus, UJ contributes 4.5% of the national research output. As measured by the number of Web of Science documents, the top five research areas at UJ are Social Science, Physics and Astronomy, Engineering, Material Science, and Chemistry. An increased total of 73% of journal articles were published in the Information Sciences Institute (ISI) and International Bibliography of the Social Sciences (IBSS) publications against a target of 64%. The number of National Research Foundation (NRF) rated researchers peaked at 133 as at 15 December 2013. Generally, staff with master's or doctoral qualifications drive research in an institution. At UJ, there are consistent initiatives to encourage staff to obtain master's or doctoral qualifications in order to enhance the quality of teaching and increase the pool of active researchers. Active researchers are defined as those who are involved in publishing accredited research outputs. Based on the accredited research publications submitted in 2013, there were 717 active researchers as compared to 2012 with 622. More staff members are publishing, and, given the lucrative institutional incentives for publishing, there has been a substantial increase in the number of active researchers. The University has clear policies for incentivising publications in accredited journals.

During 2013 the number of academic staff who were registered for studies towards a master's was 77 and in 2013, 31 staff members graduated with a Master's degree. The number of academic staff who were registered for studies toward a PhD was 163 and the number of those who graduated with a PhD in 2013 was 38.

A sizeable number of UJ researchers are recognised both nationally and internationally. UJ researchers are active in or have become affiliated to various Professional bodies, and have been recognised by distinguished awards. Research impact and citations are seen as becoming more important in indicating the quality of our research. The number of publications listed in the Scopus database has been increasing steadily. In 2012, there were 1,300 articles listed in the Scopus and InCites databases. Additionally, in terms of citations of all UJ publications dated 2013 by other researchers, the total citation count was 1,422.

PROFESSOR TSHILIDZI MARWALA

Deputy Vice-Chancellor: Research, Postgraduate Studies, Library and Information Centre

MARWALA



66 The focus within the next 2 years will be on Quality, People and Impact. The Research Publications Output momentum will be maintained at the same level and that will be more than sufficient to achieve institutional goals. Better results will be obtained once we have built (improved) our quality and people.

The Research and Postgraduate Studies Division reports to the Deputy Vice-Chancellor: Research, Postgraduate Studies, the Library and Information Centre. The administrative framework of the division is anchored in four well-defined functional units: Research and Innovation, the Postgraduate Centre, the Statistical Analysis Unit (STATKON) and the Research Information Management System (RIMS) is also highlighted as a governance function.

The Research, Innovation and Postgraduate Studies environment in Universities in South Africa has become very complex and competitive. The University of Johannesburg is continuously redefining the playing field to remain dynamic and competitive. The university is not satisfied by continuous (linear) improvement, but is looking for revolutionary (unusual) achievements - a step-change. The Research, Innovation and Postgraduate Studies Office needs to respond by adopting appropriate strategic options accompanied by appropriate human resources and capabilities. There is a need for restructuring the whole unit to be able to focus on the following priorities:

- A measure of our ability to get papers published in quality peer-reviewed journals. This will be assessed through counting the number of papers published in academic journals as indexed by Scopus (SciVal), per academic staff member.
- The degree to which our Academic Research staff collaborate with international Research academics in research projects. This is measured by capturing the proportion of academic journal publications that have at least one international co-author.
- A measure of our role as a university to produce and spread relevant, useful and beneficial new knowledge and ideas. Research that stands out and is picked up by the global research community and used to push the boundaries of our collective knowledge. This is measured by capturing the number of times an academic paper is cited by the global research community.
- To attract, develop and nurture the careers of excellent researchers that are recognised and respected nationally and globally. The NRF Rating is an important measure.
- External research income is crucial to the development of world-class research. Much of it comes as a result of research funding proposals and is competitively judged by peer review.
- The global academic community, over the last 10 years has increased its focus in investing in research that is relevant and contributes to economic development and poverty eradication. Collaboration with industry, innovation, inventions, and consulting are now key pillars in research successful universities. This is measured by capturing "Industry income: innovation", which indicates the extent to which businesses are willing to pay for research and the university's ability to attract funding in the competitive commercial marketplace - these are high level indicators of institutional research quality.

THE DIVISION **OF RESEARCH** AND POSTGRADUATE **STUDIES**





Research and Innovation

There has been a steady increase in accredited research publications since 2008. The University currently ranks among the top six residential universities in terms of accredited research outputs, contributing a notable 7% of national research outputs. There was an increase in the units awarded and the University also achieved a high submission success rate (97%), having submitted 902.27 units.

In an endeavour to increase the research stature and impact of its research output, the University promotes research publications in international journals. There has been a significant shift in the number of publications from national to international peer-reviewed journals. In 2011, the percentage of international to national research publications was 73%. In 2013 it was estimated at 84%.

NRF-rated researchers

The NRF operates a researcher evaluation and rating system to promote research excellence and grow the country's research capacity. South African universities have used the number of rated researchers affiliated to the institution as a measure of the institution's capability to conduct quality research as well as to position themselves as research-intensive institutions. The ratings are based on the quality and impact of recent research outputs, over an eight-year period. The rating process takes place through a set of specialist panels (national and international reviewers) according to a hierarchical system.

| | | | Rati | ng categ | lory | | |
|------|---|----|------|----------|------|---|-------|
| Year | А | В | С | Р | Y | L | Total |
| 2009 | 4 | 16 | 42 | 1 | 7 | 2 | 72 |
| 2010 | 5 | 20 | 52 | 1 | 10 | 2 | 90 |
| 2011 | 5 | 21 | 57 | 1 | 14 | 1 | 99 |
| 2012 | 5 | 24 | 66 | 1 | 19 | 0 | 115 |
| 2013 | 6 | 28 | 72 | 1 | 26 | 0 | 133 |

The South African Research Chair Initiative (SARChI)

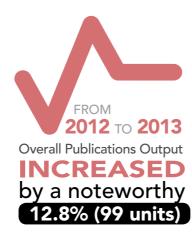
SARChI aims to strengthen scientific leadership and research capacity in South African universities. The programme supports world-class scholars who are the focus of advanced research and training - the next generation of research leaders in their fields. UJ has been awarded seven research chairs in:

- Education and Care in Childhood (Faculty of Education);
- African Diplomacy and Foreign Policy (Faculty of Humanities);
- Social Change (Faculty of Humanities);
- International Law (Faculty of Law);
- Geometallurgy (Faculty of Science);
- Indigenous Plant Use (Faculty of Science);
- Nanotechnology for Water (Faculty of Science).

Research Funding

The University relies on its internal funds and external funds to continue supporting research. Internal funds accounted for 38% of total research expenditure while external income accounted for 62% of research expenditure. In the previous year the figures were 40% and 60%, respectively. Overall, total research expenditure increased to R153 million compared to R138.85 million last year. Strategies are in place and are implemented to grow the external income component to reduce the dependency on the University. Going forward, all the research centres will be measured against generating external income.

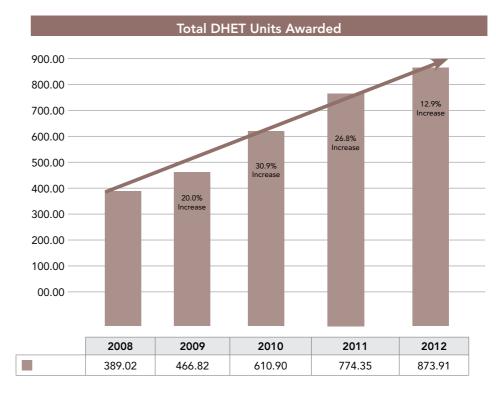
UJ has a strategy for identifying new potential applicants for rating and helping researchers to move from a lower rating to a higher one which is yielding good results. This approach is working well, as the University currently has 133 rated researchers - up from 115 at the end of the previous year. The increase in the number of rated researchers was mainly attributed to new ratings rather than to new staff joining the University. Also of significance is the gain in the number of C-rated researchers and Y-rated researchers.



In 2013, the University's internal research budget was R58.28 million. External research income is broadly divided between the NRF funds and other external funds. External income from the NRF increased by 30% from R40.10 million to R52.14 million. This is because in certain cases the full amount of the grants was not released. External income from other sources equalled R42.59 million, which is slightly down from R43.60 million in the previous year.

Research Overview Accredited Research Output

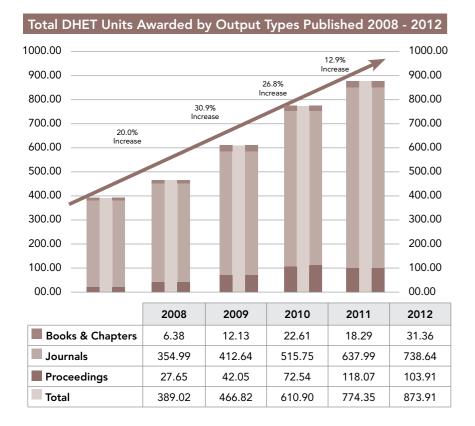
UJ uses the quality and quantity of research publications as a benchmark to monitor and assess its research productivity. Hence, publication trends are tracked on an annual basis. As illustrated in the table below, research publications have again shown a fairly healthy growth. The total research output of the University as accredited by the DHET grew by 12.9% from 774.35 units in 2011 to 873.91 units in 2012.







RESEARCH OVERVIEW



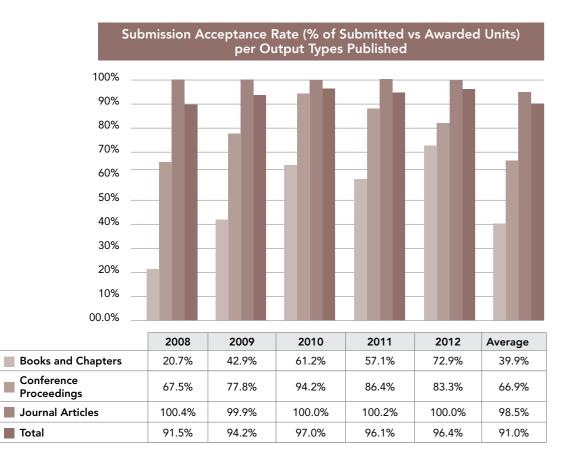
Approval Rate

The University subjects all its outputs to rigorous internal screening processes to ensure compliance with DHET policy in order to increase the approval rate.

The University was awarded 738.64 units (100% approval rate) for publications in accredited journals (comprising 84.52% of awarded units), 103.91 units (81% approval rate) for conference proceedings (comprising of 11.89% of awarded units) and 31.36 units (69% approval rate) for books and book chapters (comprising 3.59% of awarded units).

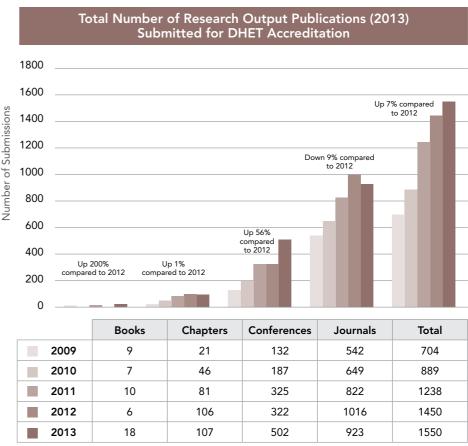
Submission Success Rate

Quality submission of 2012 publications to the DHET resulted in just over 96% of all research outputs being granted subsidy. Although the acceptance rate for conference proceedings decreased slightly, the overall trend for journals, books and chapters showed a positive improvement.



Research Outputs 2013

The University produced 1,550 research publications for DHET accreditation in 2013, which represents a 7% increase when compared to the 1,450 publications authored in 2012. Although the number of Journal articles received for accreditation declined, all the other output types reflect increases compared with 2012. Books increased by 200% (although off a very low volume), Chapters marginally by 1% and notably, Conference Proceedings by slightly over 56%. The chart below indicates the upward trend in the number of publications submitted for DHET accreditation for the 5-year period 2009 - 2013.



In 2013 journal articles accounted for 71% of the submission (down from 82% in 2012). Conference proceedings exhibited the greatest growth from 14% in 2013 to slightly over 20% in 2013.

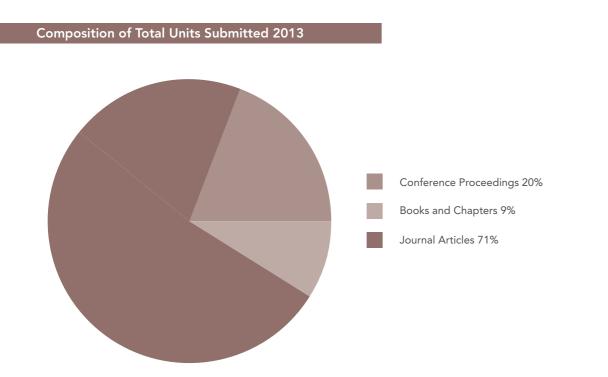


ALMOST DOUBLED FROM 5% IN 2012 TO 9% IN 2013

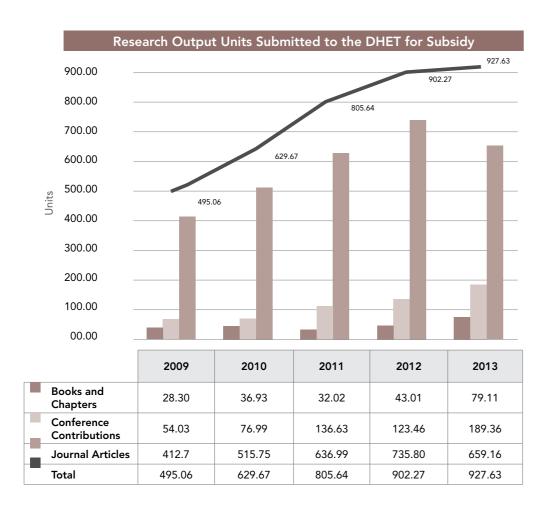
RESEARCH OVERVIEW

| Journals | Total |
|----------|-------|
| 542 | 704 |
| 649 | 889 |
| 822 | 1238 |
| 1016 | 1450 |
| 923 | 1550 |
| | |

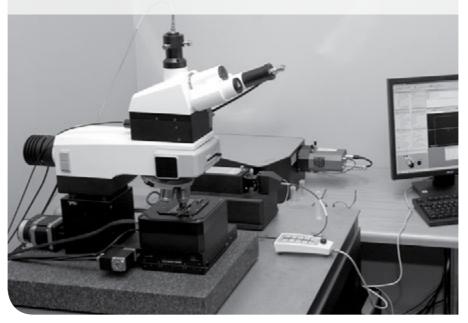


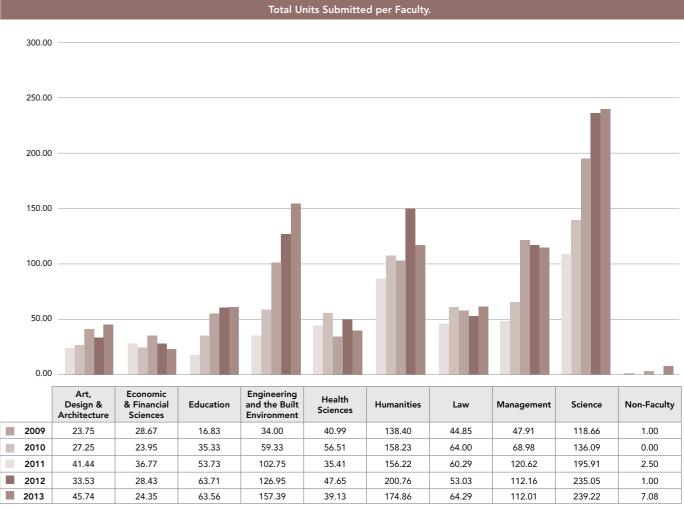


In terms of the number of units submitted to the DHET for subsidy between 2009 and 2013, UJ has shown a compound annual growth of 17% over the period, although as expected growth has slowed somewhat in 2013. In 2013 outputs totalling 928 units were submitted to the DHET, comprising 79 units for books and chapters, 189 for conference proceedings and 659 for journal articles.



This chart below shows the distribution of the units submitted per faculty. The Faculties of Science, Humanities and Engineering and the Built Environment remain the biggest contributors of research outputs, with the Faculties of Art, Design and Architecture, Education, Law and Management all demonstrating sustained growth over the period. The rest of the charts represent the distribution of the units per faculty per output type (journals, books and chapters in books and conference proceedings).

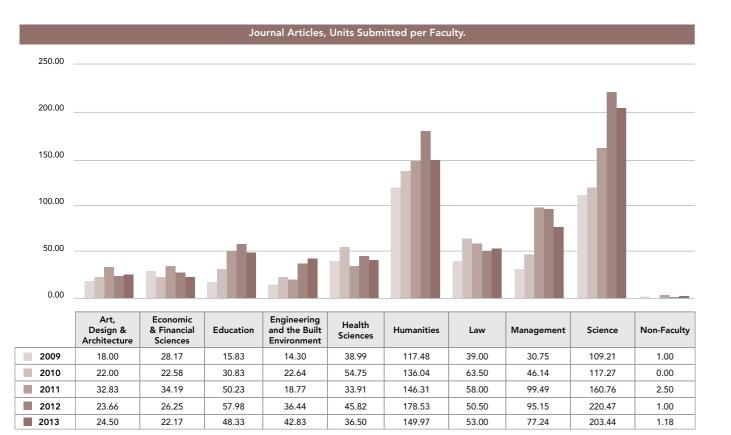


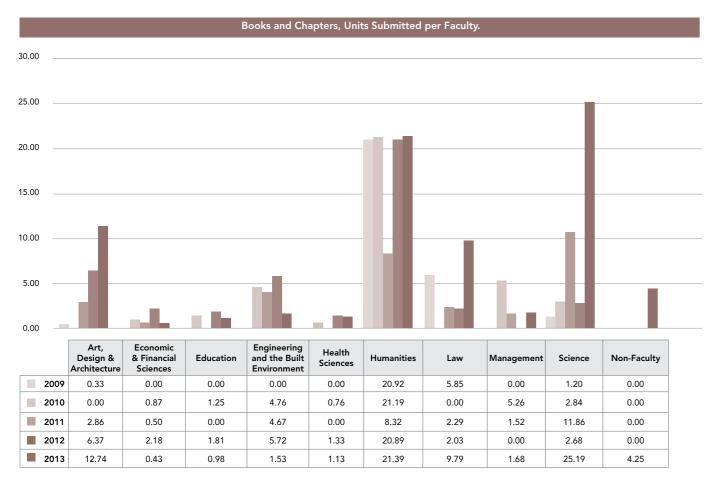


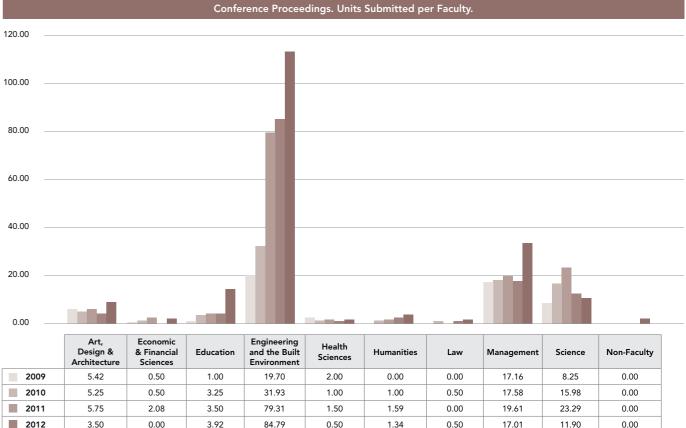


RESEARCH CENTRE

The series of charts below indicate the trend in the number of units submitted by each faculty per output type for the 5 year period 2009-2013.







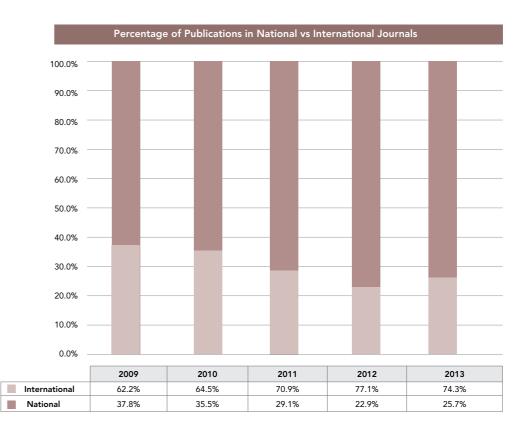
National versus International Journal Article publications

8.50

1.75

2013

Initiatives to increase the stature and impact of UJ's research output by promoting publication in international journals continue to yield results. Once again, the majority of publications



113.03

14.25

RESEARCH CENTRE

| Health Sciences | Humanities | Law | Management | Science | Non-Faculty |
|--------------------|------------|------|------------|---------|-------------|
| 2.00 | 0.00 | 0.00 | 17.16 | 8.25 | 0.00 |
| 1.00 | 1.00 | 0.50 | 17.58 | 15.98 | 0.00 |
| 1.50 | 1.59 | 0.00 | 19.61 | 23.29 | 0.00 |
| 0.50 | 1.34 | 0.50 | 17.01 | 11.90 | 0.00 |
| 1.50 | 3.50 | 1.50 | 33.09 | 10.59 | 1.65 |

(74.3) submitted for DHET accreditation in 2013 appeared in internationally recognised, peer-reviewed journals.

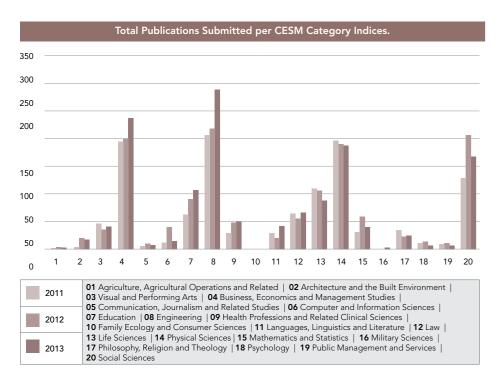
RESEARCH CENTRE

Distribution of Journal Articles as a Percentage Among the Journal Citation Indices. 70.0% 60.0% 50.0% 40.0% 30.0% 20.0% 10.0% 0.0%

| | South African Journals | ISI Journals | IBSS Journals |
|------|------------------------|--------------|---------------|
| 2009 | 37.8% | 53.4% | 8.8% |
| 2010 | 35.5% | 55.7% | 8.8% |
| 2011 | 29.1% | 59.8% | 11.1% |
| 2012 | 22.9% | 63.6% | 13.5% |
| 2013 | 25.7% | 61.2% | 11.0% |

Research Activity

The DHET uses the Classification of Educational Subject Matter (CSEM) codes to determine areas of research activity. Traditionally, UJ has produced relatively high volumes of research outputs in the fields of Business, Economics and Management Studies (CESM 04), Engineering (CESM 08), Physical Sciences (CESM 14) and Social Sciences (CESM 20). This trend continued in 2013, with significantly increased activity in Business, Economics and Management Studies (CESM 04), Engineering (CESM 08) and Education (CESM 07). Notable declines in activity occurred in the fields of Life Sciences (CESM 13) and Social Sciences (CESM 20).



Research Funding

The University relies on internal and external funds to support research. The main internal funding categories are scholarships and bursaries, top-up of NRF grants, research incentives (bonuses for obtaining NRF Rating, research output subsidies, VC research awards), University Research Committee (URC) research grants and equipment and equipment repairs/maintenance grants. Internal funds account for 22% of total research funding while the NRF and other external income accounts for 78%. In 2012 the figures were 28% and 72% respectively.

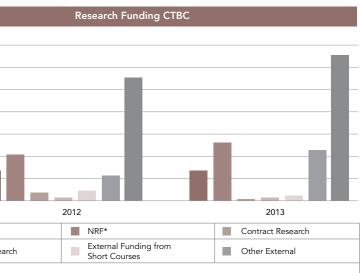
R23.15 in 2012 to R44.13 in 2013.

| 140 000 000.00 | |
|------------------|-----|
| 120 000 000.00 | |
| 100 000 000.00 | |
| 80 000 000.00 | |
| 60 000 000.00 | |
| 40 000 000.00 | |
| 20 000 000.00 | |
| 0.00 | |
| | |
| Internal Funds* | |
| International Re | sea |
| Total | |

TOTAL RESEARCH FUNDING Increased by 20.7% From R111.10 million in 2012 to R131.71 million in 2013



In 2013, the University spent internal funds amounting to R28.60 million (excl. bursaries), up from 27.41 in 2012. External income from the NRF was R51.76 million up from R41.15 million in 2012. External income from contract research went down from R7.95 million in 2012 to R1.39 million in 2013. International income also reflected a downfall from R1.99 in 2012 to R1.89 in 2013. External income from other sources increased from



Global Impact and International Footprint

In 2013, the QS University Rankings benchmark listed UJ as being in the top 4% of universities worldwide, and UJ is currently ranked 6th in South Africa by the esteemed University Ranking by Academic Performance (URAP) ranking system. Over the past five years (2009-2013) data indexed by Scopus indicates that UJ's researchers have collaborated with over 1,100 institutions across the globe, and have co-authored almost 1,900 publications. The European Union represents UJ's single biggest collaboration partner (with 788 collaborations), followed by North America and the Asia Pacific region with 563 and 521 collaborations respectively.

This represents remarkable growth. Between 2009 and 2013 the number of UJ's publications in Scopus increased by 125% from 436 to 960. Of these, 53% featured collaboration with researchers outside of UJ; 37% having been coauthored internationally and 16% having been co-authored with other South African researchers. The internationally co-authored publications attracted an average of 7.8 citations per paper, while the locally co-authored publications were cited 2.4 times each on average.

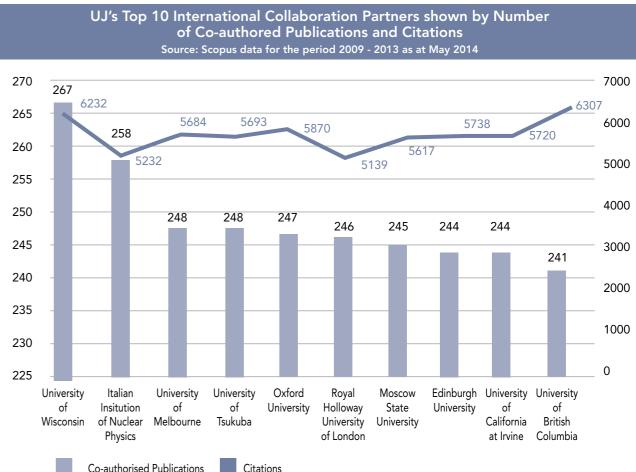
UJ is proud to have established research collaborations with some of the world's top universities and institutions. 62 UJ researchers collaborated on 247 publications with co-authors at the University of Oxford in the UK. 238 publications were co-authored by 56 UJ researchers with

their counterparts at Harvard University in the USA. The list of prestigious global collaborations goes on: MIT and the universities of Stanford, Duke and California in the USA, CERN in Switzerland, Moscow State University in Russia, Edinburgh University in Scotland and the Imperial Colleague in London in the UK, the universities of Sydney and Melbourne in Australia, and the University of Tokyo in Japan, among others.

UJ's international footprint - number of collaborating institutions per region



The chart below shows UJ's top 10 international collaboration partners based on the number of co-authored publications. Also indicated is the number of citations that the co-authored publications at each institution have attracted over the period.

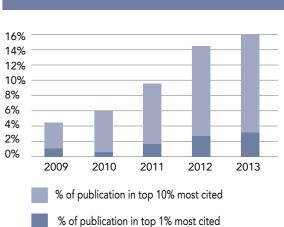


Co-authorised Publications

Citations

UJ's research collaboration with national institutions is also admirable. UJ has coauthored publications with South Africa's leading institutions, including the University of Cape Town, Wits University, Stellenbosch, Pretoria and the CSIR among others. Of particular note are the 430 publications co-authored by 233 UJ researchers with their counterparts at the University of the Witwatersrand. These publications have collectively attracted over 5,800 citations; almost as impressive as UJ's collaboration with the University of Oxford in the UK.

Publishing in top journals has yielded positive results. UJ's publications in the top percentiles of the most cited publications worldwide indicate an upward trend and steady improvement. In 2009, UJ had less than 1% of its publications in the top 1% most cited, and just under 5% of its publications in the top 10% most cited. By 2013 these figures had improved to almost 3% of UJ's publications in the top 1% most cited, and 16% of its publications featuring in the top 10% most cited publications worldwide.





Share of publications at the University of Johannesburg that are within the top 1% and 10% most cited publications worldwide

URC Recognised Research Entities

Research Centres

The University has 24 research centres, some within the faculties and others stand-alone entities.

- 1. Centre for Visual Identities in Art and Design, directed by Dr L Farber, part of the Faculty of Art, Design and Architecture. It works in the area of identity construction in contemporary and historical contexts, and visual practice visual representation and culture in the post-apartheid South African context.
- 2. Centre for Education Practice Research, directed by Prof E Henning, within the Faculty of Education. It has a particular specialisation in the ecologies of practice focusing on teacher development and early childhood development.
- 3. Centre for Education Rights and Transformation, directed by Prof S Vally, located within the Faculty of Education. It strives to make a positive contribution to knowledge creation and social transformation and to create synergy between scholarship, social action and community outreach.
- 4. **Industrial Electronics Technology Institute,** in the Faculty of Engineering and the Built Environment focuses on electronics, computers and communication.
- 5. **Telecommunications Research Group**, directed by Prof HC Ferreira, in the Faculty of Engineering and the Built Environment. It works on information theory focusing on channel coding in digital telecommunications, power electronics.
- 6. Stream Processing Research Group / Hypervision Research Laboratory, directed by Prof A Nel, in the Faculty of Engineering and the Built Environment. It works on large scale computing problems in engineering, image processing and computer vision.
- 7. **Minerals Processing and Technology Research Group,** directed by Prof A Mulaba, in the Faculty of Engineering and the Built Environment. It works on mineral processing: metal extraction, metal refining and minerals value-add.
- 8. **Photonics Research Group,** directed by Dr R Martinez, in the Faculty of Engineering and the Built Environment. It works on basic and applied research in photonics, fibre lasers and fibre sensors.
- Centre for Anthropological Research, directed by Prof T de Wet, in the Faculty of Humanities. It focuses on socio-cultural and biological anthropology: human origins, urban anthropology and indigenous knowledge.
- 10. **Centre for Social Development in Africa,** directed by Prof L Patel, in the Faculty of Humanities. It focuses on social development and developmental welfare.
- 11. **Centre for Sociological Research,** directed by Prof A Desai, in the Faculty of Humanities. It focuses on issues of identity, race and class, social movements and social unrest, migration and minorities, and different forms of social inequalities.

- 12. Laser Research Centre, directed by Prof H Abrahamse, in the Faculty of Health Sciences, works on wound healing, photodynamic cancer therapy and stem cell therapy.
- 13. Water and Health Research Unit, directed by Dr TG Barnard, in the Faculty of Health Sciences. It focuses on the relationship between water and human health, on improved general health and access to safe water and improved domestic hygiene and sanitation.
- 14. South African Institute for Advanced Constitutional, Public Human Rights and International Law, directed by Prof D Biltchitz, in the Faculty of Law. It focuses on constitutional, public and international law including socio-economic rights, and business and human rights.
- 15. **Institute of Transport and Logistics Studies,** directed by Prof J Walters, in the Faculty of Management. It works on transport, logistics and supply chain management.
- 16. **Centre for Catalysis Research,** directed by Prof J Darkwa, in the Faculty of Science, researches homogeneous catalysis, strongly underpinned by organic and organo-metallic synthesis, especially of new classes of ligands and catalyst precursors.
- Paleoproterozoic Mineralisation Research Group, directed by Prof F Viljoen, in the Faculty of Science. It focuses on Precambrian paleoenvironmental evolution.
- Sustainable Energy Technology Testing and Research Centre, directed by Prof H Annegarn, in the Faculty of Science, focuses on sustainable energy technologies.
- Centre for Aquatic Research, directed by Prof I Wagenaar, in the Faculty of Science. It carries out basic research in the aquatic environment and sustainable management of aquatic resources.
- 20. Centre for Nanomaterials Science, Research directed by Prof Arotiba, in the Faculty of Science. It focuses on the synthesis, functionalisation, characterisation and applications of carbon-based nanomaterials i.e. carbon nanotubes and strong composites.
- 21. Centre for Plant DNA-Barcoding, directed by Prof M van der Bank, in the Faculty of Science. The Centre's mission is to fill the knowledge gap and strengthen research frameworks for international, regional and inter-institutional co-operation in Africa, especially in the modern field of DNA technology for biodiversity science, such as DNA Barcoding.

The South African Research Chairs Initiative

SARChI aims to strengthen scientific leadership and research capacity in South African universities. The programme supports world-class scholars who are the focus of advanced research and training the next generation of research leaders in their fields. UJ has been awarded seven research chairs and in 2013 only one of these was not yet active.

African Diplomacy and Foreign Policy (Faculty of Humanities)

The SARChI Chair in African Diplomacy and Foreign Policy is the incubator of a research programme that places two concurrent challenges at the centre of its work. These are: the national challenge of honing and refining South Africa's national interests within its 'African Agenda'; and, the continental challenge of researching Africa's inter-state and international relations with a view to enhancing African agency on the world stage. Research conducted at the Chair focuses on four broad areas: Africa's evolving peace and security architecture; the operationalisation of the New Partnership for Africa's Development (NEPAD) and the African Peer Review Mechanism (APRM): the role of Africa's Regional Economic Communities (RECs); and, finally, Africa's strategic partnerships in the Global North and the Global South.



PROF CHRIS LANDSBERG



Education and Care in Childhood (Faculty of Education)

The aim is to assess factors of vulnerability and protection that are prevalent in the education and care of orphans and vulnerable children (OVC) as embedded in their families/caregivers, schools and communities. The ultimate goal is to utilise the findings of the targeted assessments to design focused interventions that can be implemented to reduce the factors of vulnerability and enhance protective factors in OVC through culturally appropriate, evidence-based, authentic interventions with their families/caregivers, schools and communities.

Research on support interventions from an early age can result in policy briefs that could lead to the holistic development of OVC that would inevitably be an asset to the South African society. The young are the future leaders and academics in society, so an investment in their education and care in childhood is an investment in the future economic, political and social stability of our country.

International Law (Faculty of Law)

The relevance of the Chair's research programme must be seen in the context of the post-1994 developments when South Africa rejoined the international community of states in various ways. The country has ratified a large number of multilateral treaties and has adopted national implementation legislation for several of these treaties. Under the new Constitution, the courts are also obliged to consider international law when interpreting the Bill of Rights. The country is a member of the African Union and plays a major role in the affairs of the Union, notably in peacekeeping operations in many parts of Africa. Moreover, South Africa is also a member of the Security Council of the United Nations and, in that capacity, is actively involved in matters affecting international peace and security. All of this has raised the importance of South Africa's understanding of and compliance with international law principles, especially in view of the country's history and its current role in Africa. International trade to and from South Africa has expanded and the country is now classified as an emerging economy under the BRICS group. In this context, the need for expertise in international law and relations is likely to expand across a wide range of institutions and topics and the research activities of the Chair and postgraduate supervision aim at responding to this need.

Geometallurgy (Faculty of Science)

The primary thrust of the Chair is to develop and apply geometallurgical methods to quantify the mineralogical and textural characteristics of ore bodies, ores, concentrates and successor products, with a view on improved metal recovery, in resource types relevant to the South African mining industry.

Indigenous Plant Use (Faculty of Science)

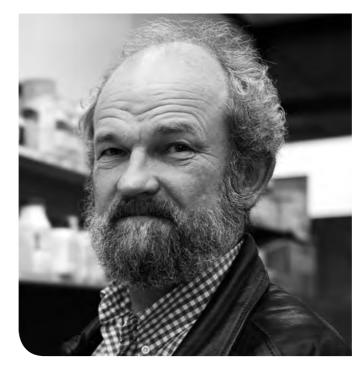
The Chair fulfils an urgent need to study, record, analyse and protect indigenous knowledge about the uses of plants, not only as an almost unlimited source of new ideas for future product and crop development, but also as a contribution to the botanical and cultural heritage of the country.

Social Change (Faculty of Humanities)

Prof Peter Alexander's Chair has a remit to study social change in South Africa, specifically agents of social change from below. Recent books have included Marikana: a Voice from the Mountain and Case to Answer (Alexander et al), Class in Soweto (Alexander et al) and Contested Transformation (edited by Marcelle Dawson and Luke Sinwell). Members of the unit have made a significant contribution to public debate, especially around South Africa's 'Rebellion of the Poor', for which research has been conducted by Alexander, Carin Runciman and Trevor Ngwane. The Chair plans to build on existing strengths to develop a niche area on Strikes, Protests and Revolution.









Top Left: Education and Care in Childhood (Faculty of Education) Prof Jace Pillay

Top Right: International Law (Faculty of Law) Prof Hennie Strydom

Left: Geometallurgy (Faculty of Science) Prof Fanus Viljoen

Bottom Left: Indigenous Plant Use (Faculty of Science) Prof Ben-Erik Van Wyk

Bottom Right: Social Change (Faculty of Humanities) Prof Peter Alexander



National Research Foundation (NRF) Ratings

The NRF operates a researcher-evaluation and rating system to promote research excellence and grow the country's research capacity. The ratings are based on the quality and impact of research outputs over an eight-year period. The rating process uses specialist panels made up of national and international reviewers, according to a hierarchical system.

A-rated researchers are those who are unequivocally recognised by their peers as being leading international scholars in their field for the high quality and impact of their recent research outputs.

The programme for identifying new potential applicants and helping

researchers to move from a lower to a higher rating, implemented in 2010, continued to yield good results. At the end of 2013, the University had 133 rated researchers (of which 6 were A-rated), up from 114 at the end of the previous year. This increase was mainly due to existing staff being rated rather than new staff joining the University.



Prof Nic Beukes is a geologist specialising in sedimentology and stratigraphy, working particularly on the origin of iron and nanganese ore deposits and the climatic environment on early earth.



Prof Hendrik Ferreira is an electrical engineer whose research interests are in digital communications and information theory, especially coding techniques. Applications include power line communications, video communications and networks.



Prof William Harris brings approaches from mathematics, physics and other areas to bear on his work in optometry, focusing particularly on ocular surgery and general understanding of vision.



Prof Michael Henning is a mathematician who specialises in graph theory, with a particular interest in domination theory in graphs.



Prof John Maina, a veterinarian by profession, researches how gas exchangers, which are key to how animal life adapts and evolves, have transformed under changing environmental conditions, particularly in extreme habitats.



Prof Thaddeus Metz is a philosopher who applies ideas derived from Kantian ethics to analyse and critique ubuntu and other African ethical systems

| | Name | Faculty | Rat |
|-----|----------------------------|-----------------|----------|
| 1. | Beukes NJ Prof | Science | A |
| 2. | Ferreira HC Prof | Engineering | A |
| 3. | Harris WF Prof | Health Sciences | A |
| 4. | Henning M Prof | Science | A |
| 5. | Maina JN Prof | Science | A |
| 6. | Metz TH Prof | Humanities | A |
| 7. | Amory A Prof | Humanities | E |
| 8. | Bilchitz DI Prof | Law | E |
| 9. | Burnett-Louw C Prof | Health Sciences | E |
| 10. | Connell B Prof | Science | E |
| 11. | Dankelmann P Prof | Science | E |
| 12. | Dubery IA Prof | Science | E |
| 13. | Geldenhuys DJ Prof | Humanities | E |
| 14. | Gunner L Prof | Humanities | E |
| 15. | Hamilton L Prof | Humanities | E |
| 16. | Hearne GR Prof | Science | E |
| 17. | Hendrickx BCEJB Prof | Humanities | E |
| 18. | Henning E Prof | Education | E |
| 19. | Hofmann A Prof | Science | E |
| 20. | Karataglidis Prof S | Science | E |
| 21. | Kramers J Prof | Science | E |
| 22. | Maluleke TS Prof | Humanities | E |
| 23. | Marwala T Prof | Engineering | E |
| 24. | Neels JL Prof | Law | E |
| 25. | Rogerson C Prof | Management | E |
| 26. | Schmahmann B Prof | Art | E |
| 27. | Scott-Macnab D Prof | Humanities | E |
| 28. | Sonnekus JC Prof | Law | E |
| 29. | Steeb W-H Prof | Science | E |
| 30. | Strydom AM Prof | Science | E |
| 31. | Vale PCJ Prof | Humanities | E |
| 32. | Van Reenen DD Prof | Science | E |
| 33. | Van Wyk B-E Prof | Science | E |
| | | | <u> </u> |
| 34. | Von Solms SH Prof | Science | E |
| 35. | Abrahamse H Prof | Health Sciences | |
| 36. | Ahmed FE Prof | Science | |
| 37. | Annegarn HJ Prof | Science | |
| 38. | Avenant-Oldewage A Prof | Science | C |
| 39. | Bauer M Prof | Engineering | C |
| 40. | Berman K Prof | Art | C |
| 41. | Beukes SM Prof | Humanities | 0 |
| 42. | Brits RM Dr | Science | C |
| 43. | Cairncross B Prof | Science | C |
| 44. | Cassim FHI Prof | Law | 0 |
| 45. | Cloete GS Prof | Humanities | C |
| 46. | Coetzee M Prof | Science | C |
| 47. | Collins KJ Prof | Humanities | C |

NATIONAL RESEARCH FOUNDATION

| i | r | 1 | ç | 7 | |
|--------|---|---|---|---|---|
| | | | - | | _ |
| 7 | | | | | |
| 7 | | | | | |
| Δ | | | _ | _ | |
| ` ~ | | | | | |
| 4 | | | | | |
| 7 | L | | | | |
| 7 | | | | | |
| 3 | _ | _ | _ | _ | _ |
| _ | | _ | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | _ | _ | _ | _ | _ |
| _ | | _ | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| _ | 2 | | 2 | 2 | 2 |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | _ | _ | _ | _ | _ |
| _ | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| | | | | | |
| 3 | | _ | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | _ | | | |
| _ | | _ | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| _ | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | | | | | |
| 3 | _ | _ | _ | _ | _ |
| _ | 2 | | 2 | 2 | 2 |
| 3 | | | | | |
| 3 | | | | | |
| - | | | | | |
| - - | | | 2 | 2 | 2 |
| 2 | | | | | |
| 2 | | | | | |
| 2 | | | | | |
| | | | | | |
| 2 | | | | | |
| 2 | | | | | |
| - - | | | | | |
| | | 2 | 2 | 2 | 2 |
| 2 | | | | | |
| 2 | | | | | |
| - | | | | | |
| | | | | | |
| 2 | | | | | |
| 2 | | | | | |
| | | | | | |

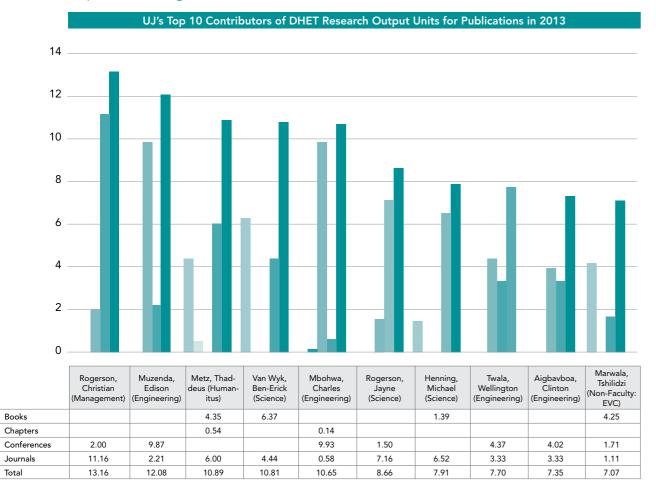
| | Name | Faculty | Rating |
|-----|-----------------------------|-----------------|--------|
| 48. | Conradie CJ Prof | Humanities | С |
| 49. | Darkwa J Prof | Science | С |
| 50. | De Bruin GP Prof | Management | С |
| 51. | Doyle BP Dr | Science | С |
| 52. | Dutton MF Prof | Health Sciences | С |
| 53. | Ehlers EM Prof | Science | С |
| 54. | Erlank N Prof | Humanities | С |
| 55. | Freschi F Prof | Arts | С |
| 56. | Frenkel R Dr | Humanities | С |
| 57. | Gillan W Prof | Health Sciences | С |
| 58. | Henderson W Prof | Humanities | С |
| 59. | Hendrickx T Dr | Humanities | С |
| 60. | Janse van Vuren JH Prof | Science | С |
| 61. | Jansen van Vuuren B Prof | Science | С |
| 62. | Jonck B Prof | Science | С |
| 63. | Kabundi A Prof | Economics | С |
| 64. | Knight Z Prof | Humanities | С |
| 65. | Kotze NJ Prof | Science | С |
| 66. | Landsberg C Prof | Humanities | С |
| 67. | Lombard M Dr | Humanities | С |
| 68. | Mallick K Prof | Science | С |
| 69. | Mackenzie CH Prof | Humanities | С |
| 70. | Mamba B, Prof | Science | С |
| 71. | Mbohwa C Prof | Engineering | С |
| 72. | Meijboom R Dr | Science | С |
| 73. | Mestry R Prof | Education | С |
| 74. | Mishra S Dr | Science | С |
| 75. | Motala S Dr | Education | С |
| 76. | Mouri H Prof | Science | С |
| 77. | Mulaba A Prof | Engineering | С |
| 78. | Myburgh CPH Prof | Education | С |
| 79. | Msagati TAM Dr | Science | С |
| 80. | Ngila C Prof | Science | С |
| 81. | Olivier L Prof | Economics | С |
| 82. | Osman A Prof | Art | С |
| 83. | Ouahada K Prof | Engineering | С |
| 84. | Patel L Prof | Humanities | С |
| 85. | Perumal JC Prof | Education | С |
| 86. | Pillay, J Prof | Education | С |
| 87. | Poggenpoel M Prof | Health Sciences | С |
| 88. | Pretorius G Prof | Humanities | С |
| 89. | Prinsloo ARE Dr | Science | С |
| 90. | Raubenheimer H Prof | Management | С |
| 91. | Razzaque S Prof | Physics | С |
| 92. | Roodt G Prof | Management | С |
| | | | C |
| 93. | Rubin A Prof | Health Sciences | |

NATIONAL RESEARCH FOUNDATION

| | Name | Faculty | Rating |
|------|------------------------------|-------------|--------|
| 0.5 | | | |
| 95. | Smit CA Prof | Science | С |
| 96. | Strydom HA Prof | Law | С |
| 97. | Thomas A Prof | Management | С |
| 98. | Tilney PM Prof | Science | С |
| 99. | Uys JM Prof | Humanities | С |
| 100. | Van der Bank FH Prof | Science | С |
| 101. | Van der Bank M Dr | Science | С |
| 102. | Verhoef G Prof | Economics | С |
| 103. | Viljoen KS Prof | Science | С |
| 104. | Wagenaar (Pieterse) GM Dr | Science | С |
| 105. | Watney MM Prof | Law | С |
| 106. | Broadbent AB Dr | Humanities | Р |
| 107. | Akinlabi ET Dr | Engineering | Y |
| 108. | Arotiba OA Dr | Science | Y |
| 109. | Barnes B Prof | Humanities | Y |
| 110. | Carleschi E Dr | Science | Y |
| 111. | Conradie W Dr | Science | Y |
| 112. | De Kock MO Dr | Science | Y |
| 113. | Groenewald G Dr | Humanities | Y |

| | | - I. | D. d |
|------|--------------------|-----------------|--------|
| | Name | Faculty | Rating |
| 114. | Hill C Dr | Management | Y |
| 115. | Houreld NN Dr | Health Sciences | Y |
| 116. | Jalama K Dr | Engineering | Y |
| 117. | Joubert EJJ Dr | Science | Y |
| 118. | Mhlanga SD Prof | Science | Y |
| 119. | Millard D Prof | Law | Y |
| 120. | Mishra A Dr | Science | Y |
| 121. | Mpedi LG Prof | Law | Y |
| 122. | Muller AJ Dr | Science | Y |
| 123. | Nelwamondo FC Prof | Engineering | Y |
| 124. | Njenga KN Dr | Management | Y |
| 125. | Ntuli F Prof | Engineering | Y |
| 126. | Oosthuizen GA Prof | Engineering | Y |
| 127. | Shaw BS Prof | Health Sciences | Y |
| 128. | Sitha S Dr | Science | Y |
| 129. | Swart TG Dr | Engineering | Y |
| 130. | Thwala D Dr | Engineering | Y |
| 131. | Ukpere W Dr | Management | Y |
| 132. | Van Dyk JC Dr | Science | Y |
| 133. | Venter E Dr | Science | Y |

Top-Publishing Researchers



Outstanding Researchers (VC Awards)

The research-related Vice-Chancellor's Distinguished Award for Outstanding Researcher of the Year and the Vice-Chancellor's Distinguished Award for the Most Promising Emerging Researcher of the Year were awarded as follows:

Vice-Chancellor's Distinguished Awards: Outstanding Researcher of the Year: Professor Michael Henning (Faculty of Science)

Professor Michael Henning obtained his Bachelor of Science (Honours) degree from the University of Natal (cum laude), followed by a Doctor of Philosophy in Graph Theory at the same university. He joined the University of Johannesburg as a Research Professor in May 2010, prior to that he was Full Professor at the University of KwaZulu-Natal. Before joining UJ he had been awarded several Visiting Professorships to Denmark, USA and France, this further supports his high standing stature among his peers.

He has received a number of prestigious awards, including the Foundation for Research Development Presidential Award, Vice-Chancellor's Award (University of Natal), Meiring Naude Medal (Royal Society of South Africa), Hall Medal (Institute of Combinations and its Applications) and the Award for Distinction (South African Mathematical Society). He has served on several committees (including the Faculty Research Committee). He has served on several editorial Boards of various scientific journals in different capacities such as co-Managing Editor (Graphs and Combinations), Advisory Editor (Discussiones Mathematicae Graph Theory) and as Managing Editor (Utilitas *Mathematica*). He has also served the scientific community as an external examiner for various PhD and MSc dissertations and acts as a regular referee for several scientific journals. He is also an elected fellow of the Institute of Combinations and its Applications. Topping it all is that Prof Henning is an NRFA Rated Researcher, hence a highly recognised intentional leader in his field as confirmed by his peers.

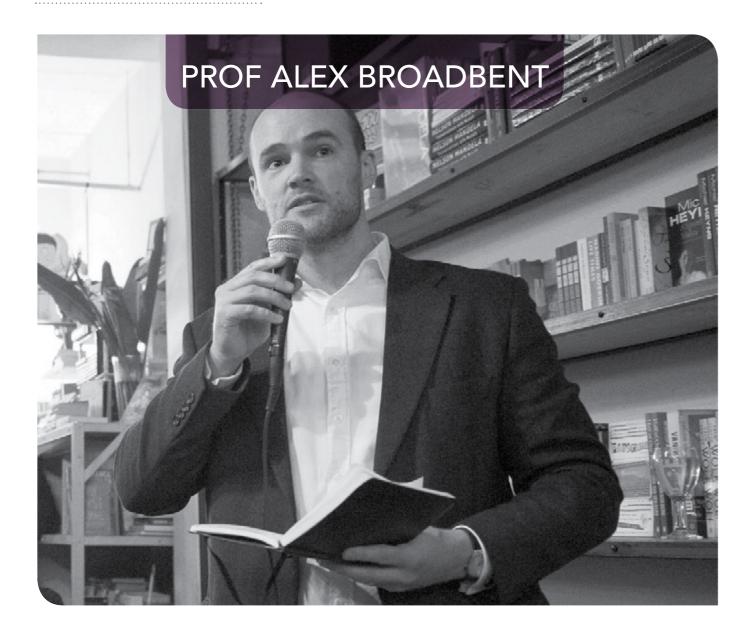
Since his arrival at UJ, he has graduated three PhD students and is currently supervising three more; two of his graduates then became his postdoctoral students in 2012. He has authored and co-authored over 330 publications, of which 72 were published since he joined UJ, with16 accepted and over 22 submitted. In 2012 his publication units were standing at 9.86. He previously contributed 4 book chapters and while at UJ he has co-authored a book in 2013 with Professor Yeo entitled *"Total domination in graphs"* (Springer Monographs in Mathematics).

He has been invited as one of the Principal Speakers in major conferences abroad. He

PROF MICHAEL HENNING

has also attended and presented papers at numerous conferences both locally and internationally. Between 2011 and 2012, he participated and read papers in five conferences in Germany, USA, Poland, France and Slovakia.

Professor Henning is undoubtedly a leading and outstanding researcher, with a passion for "domination theory in graphs."



Vice-Chancellor's Distinguished Awards: Most Promising Emerging Researcher of the Year: Prof Alex Broadbent (Faculty of Humanities)

Prof Broadbent received his PhD in 2008 from the University of Cambridge and joined UJ's Department of Philosophy as a Senior Lecturer in March 2011. He was promoted to Associate Professor in 2013, with the promotion backdated to December 2012. Prior to that, Prof Broadbent was an Affiliated Research Scholar in History and Philosophy of Science, at the University of Cambridge. He has been a visiting Professor, fellow and researcher to various universities including: the University of Vienna, University of Athens and the Brocher Foundation. His research area is specialisation in the

Philosophy of Epidemiology, causation, causal inference, scientific and statistical evidence in policy-making and law and causation in the law.

He has published over 14 journal articles, 1 book, and over 20 conference proceedings. He sits on two editorial boards, and has organised a number of workshops in the field.

Prof Broadbent has more or less singlehandedly established a new field of study, the philosophy of epidemiology, and has had a striking success persuading philosophers of science, epidemiologists, public health specialists and similar kinds of scholars to acknowledge it and engage with it. His first article on the topic, "Causation and Models of Disease in Epidemiology" has already achieved a wide readership.

He has also published important work in the philosophies of law, causation and

responsibility. Given the high Profiles, and competitive forums where the work has been published, and the positive reception it has received from scholars around the world, Prof Broadbent was awarded the prestigious 'P' rating by the NRF in 2013, an NRF President's award for 'young researchers who have demonstrated the potential of becoming future international leaders in their field'

Beyond the quality and impact of his publications, Prof Broadbent has advanced research in additional ways at the University of Johannesburg. He carries the highest postgraduate supervision load in the Department of Philosophy, and has introduced a number of new innovative research support tools such as the postgraduate handbook, and contributions to UJ's plagiarism policy. He is indeed the most promising researcher of the year.

The Postgraduate Centre

The Postgraduate Centre (PGC) was mandated in 2013 to deliver on an expanded vision that focused on all aspects needed to promote a postgraduate culture that would lead to UJ being a postgraduate destination of choice. The PGC has been through considerable change this year in order to deliver on its extended vision. Elements of other structures in the University that form a logical part of the extended vision of the Postgraduate Centre have been moved into the overall structure and synergies that exist have been explored. This has led to a sharper focus on strategic thrusts and activities in the PGC and the impact of this has been significant. Many of the processes that had been set in place will enable the PGC to increase that impact during 2014.

Structure, Capacity and Organisational Design

The importance of structuring and capacitating the PGC to deliver on its mandate as well as the physical positioning and facilities required to support UJ's vision was very clear in the national and international review done in 2012. The new PGC was formed by combining structures that already existed within the University. The integration of these structures and the development of the necessary processes within it have taken place during 2013 and these are mostly in place. The virtual integration with the key partners of the PGC in UJ and the alignment with faculties are also progressing well and the focus during 2014 will be to further this virtual integration and alignment. The establishment of the Postgraduate Association as a structure is an important step in ensuring effective communication and alignment between UJ and the postgraduate student body.

The organisational structure with the following portfolios:

- Research, Monitoring and Benchmarking;
- Research Development:
- Marketing and Information;
- Postgraduate Funding Support (PFS); and
- Interdisciplinary studies and qualifications.

Although the physical positioning and facilities have not been fully resolved, the PGC and Library have successfully undertaken the Research Commons initiative and contributed to the establishment of a DFC Research Commons. It is still unlikely that an ideal situation regarding the physical positioning and facilities of the PGC will be possible in the short term but a solution for the medium term will need to be considered to enable the PGC to utilise the synergy fully within it to support the postgraduate students in a comprehensive and integrated manner.

Aim and specific delivery areas

The overarching aim of the extended PGC is to:

- Fulfil a meaningful role towards the successful delivery against UJ's strategic aims;
- Support postgraduate students in the most comprehensive way possible within current constraints, in order to improve quality, encourage enrolment, increase progress and lower throughput;
- Provide resources and facilities to postgraduate students and to UJ staff involved in the supervision of these students;
- Liaise with role players and faculties to ensure efficiency and effectiveness in addressing identified needs;
- Collect and analyse up-to-date data regarding the Profile, progress and concerns of postgraduate students and postgraduate studies in general;
- Provide information (based on analysis and benchmarking) to the University that can inform administrative decisions and interventions regarding postgraduate students and postgraduate study;
- Facilitate access to external and internal funding opportunities for postgraduate students;
- Provide, develop and support marketing and information supply regarding all aspects of postgraduate studies and opportunities at UJ;
- Develop and facilitate new areas within the University such as interdisciplinary studies;
- Develop key research led postgraduate gualifications for delivery in the PGC; and Execute research, and facilitate knowledge generation regarding all aspects of
- postgraduate studies as well as key interdisciplinary areas.

PGC Delivery and Impact

The PGC delivery during 2013 has mostly been done as an integrated structure. However, in most cases the various units within the PGC had to develop the processes and capacity to deliver against its aims as well as to focus on delivery during the year. An additional concern was that the budget that was available to the integrated PGC was not done against the activities required to deliver against the new mandate.

The key activities in 2013 included:

- Support postgraduate students in the most comprehensive way possible, within the current constraints;
- Establish much better monitoring of the Profile of the postgraduate students through quantitative analysis;
- Ensure transparency and equal access to the various opportunities and support available regarding postgraduate matters;
- Design and deliver mechanisms for developing the competencies and skills needed for postgraduate studies and supervision;
- Continue with the management of internal and external funding opportunities, and explore new opportunities;
- Undertake more benchmarking, research and knowledge generation regarding all aspects of postgraduate studies at UJ;
- Develop new areas such as interdisciplinary studies and the delivery of qualifications;
- Launch a holistic information and access mechanism; and
- Work with UJ's library in the provision of a research commons, which will include training and development areas.

During 2013 the delivery and impact by the PGC has been significant, especially given the fact that the focus of the various portfolios had during the integration process. The expanded mandate of the PGC has been formulated to talk directly to UJ's Strategic Thrusts. The high level aspects of this delivery will the specific delivery by the various portfolios of the PGC will be discussed in further sections of the report.

Research Capacity Development

In terms of what in the 2012 report was referred to as 'training and development', 2013 was a watershed year for the PGC. It saw training interventions develop into a much larger portfolio, which became, effectively, a department within the PGC, Research Capacity Development (RCD), headed by Dr Pia Lamberti. The department was established through the formal integration of two previously separate initiatives, one focusing on the development of the research and research supervision competence of academic staff (previously managed from the Centre for Professional Academic Development) and the other focusing on research training for postgraduate students, managed from within the PGC. The integration process has enabled the streamlining of resources and focusing of strategy necessary to address the need to improve postgraduate retention and throughput effectively, strengthen postgraduate supervision, and increase research productivity.

Research Capacity Development (RCD) activities and events offered in 2013 were aimed primarily at students and staff members who could be classified as 'emerging researchers'. Support in the form of consultations with Postgraduate Writing Fellows housed in UJ's Writing Centre were funded by the PGC. Workshops for postgraduate students aimed to 'develop fundamental scholarships skills'. Given the target for 2020 that 60% of academic staff members should have doctoral qualifications, the special focus on supporting lecturers to obtain doctoral gualifications through the SANTRUST Pre-doctoral Proposal Development Programme saw 46 staff members from the first two cohorts celebrating successful completion of the course, while 16 staff members joined the third cohort, which ended in March 2014. A total of 60 research capacity development workshops were offered over the course of the academic year. The overall number of participants was 1 037, of whom 582 were staff members, and 455 of whom were postgraduate students. Anonymous feedback showed that the majority of participants (75%) found the interventions 'very useful'.

The annual Postgraduate Symposium, held on 18 October 2013 at the School of Hospitality and Tourism, provided postgraduates with the opportunity to present their research to a constructively critical audience. A total of 54 oral and poster presentations were made to an audience of 102 participants from all nine faculties. Following on from the 2012 event, which lead to the establishment of a Postgraduate Student Association (PGA), in 2013 the Executive Committee of the PGA increased awareness of their mission to create an academic and social postgraduate student community to enable students to network.

As an institutional priority, postgraduate supervision received dedicated attention. 'Ethics, Research and Supervision: Matters of Truth and Justice?' was the topic of the Postgraduate Supervision Forum meeting on 15 November. Professor Hennie Lötter, from the Department of Philosophy, gave a stimulating presentation and led discussion of the ethical challenges inherent to supervision. A total of 16 supervisor development workshops (including workshops held for the supervisors of SANTRUST participants) were held on issues such as English as an additional language for postgraduate students and guiding students in the use of their research designs. More significantly, UJ was one of the first institutions to take up the offer of a course, 'Strengthening Doctoral Supervision', which was funded externally by NUFFIC. The course, which carries 30 credit points at NQF-level level 8, was attended by 25 participants who were nominated by their Deans.

Postgraduate Marketing and Information

The purpose of the PGC's marketing and information portfolio is to carry out the functions associated with marketing of the Centre PGC and through partnership with the Advancement Division, Postgraduate marketing for the University, and to provide information about postgraduate opportunities at UJ. It provides information to staff, postdoctoral fellows and postgraduate students as well as to potential postgraduate students and postdoctoral fellows.

Areas of activity include improving the visibility and recognisability of the Postgraduate Centre through re-branding and active marketing for the Centre itself as well as implementing awareness campaigns to help stimulate interest in postgraduate studies translating to improved postgraduate enrolments. In May 2013 The PGC undertook to raise awareness around Postgraduate studies through the Postgraduate Awareness Month and Postgraduate Day hosted by the PGC, the first event of this nature focused solely on highlighting the importance and benefits of postgraduate studies at the University of Johannesburg.

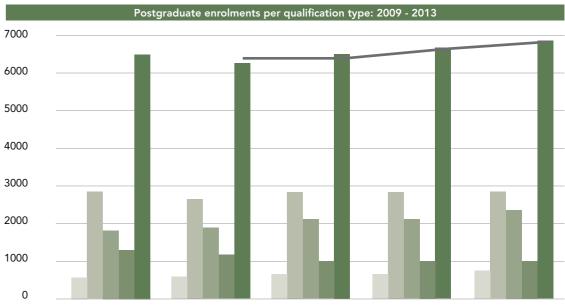
Partnering with UJ's Brand and Marketing team, under the Advancement Division, it has been undertaken to completely restructure the UJ postgraduate website to aid better usability and access, implement the use of and consistent presence on social media platforms to aid in improving the reach of postgraduate targeted communications.

The use of conventional media marketing, such as print advertising, broadcast media and other opportunities are utilised to raise awareness of issues that are pertinent to postgraduate issues; and the improvement of the marketing and information dissemination of current projects and support offered to both staff and students.

Enrolled Postgraduate Students

The figure top right below reflects postgraduate enrolment per qualification type over five years, 2009 - 2013. Over this period doctoral enrolments reflect 6.12% and master's enrolment a 6.43% growth over five years. Postgraduate diplomas and certificates reflect a negative growth of -7.64%.

The percentage change over 2012 and 2013 in doctoral enrolments reflect an positive and upward trend of 7.42% and for master's 7.60%. Overall growth in postgraduate enrolment over the 5-year period is 1.20% and from 2012 to 2013, an increase of 2.16%.



| | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|------|------|------|------|------|
| Doctoral | 559 | 579 | 629 | 660 | 710 |
| Honours | 2813 | 2653 | 2830 | 2856 | 2827 |
| Master's | 1788 | 1854 | 2039 | 2132 | 2297 |
| Other Postgraduate | 1304 | 1099 | 955 | 969 | 949 |
| Total | 6464 | 6185 | 6453 | 6617 | 6783 |



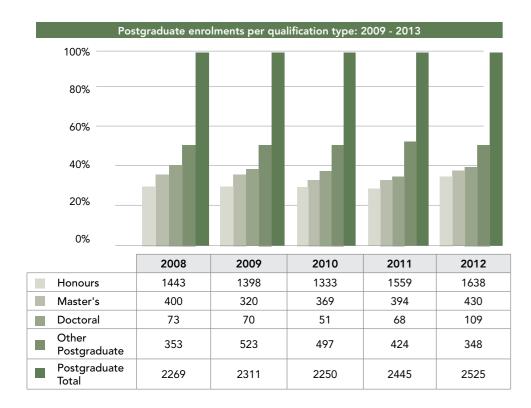


32

POSTGRADUATE CENTRE



POSTGRADUATE CENTRE



Postgraduate output per qualification type

The figure on the right reflects postgraduate enrolment per qualification type over five years, 2009 – 2013. Over this period doctoral enrolments reflect 6.12% and master's enrolment a 6.43% growth over five years. Postgraduate diplomas and certificates reflect a negative growth of -7.64%.

The percentage change over 2012 and 2013 in doctoral enrolments reflect a positive and upward trend of 7.42% and for master's 7.60%. Overall growth in postgraduate enrolment over the 5 year period is 1.20% and from 2012 to 2013, an increase of 2.16%.

Postgraduate Research Funding

In 2013 the total postgraduate funding disbursed at the University was R73.5m. Of this, R55.4m was administered by the PGC's Postgraduate Funding Support (PFS) section with the main sources being the NRF and the University Research Committee.

The NRF funding provided to students included free-standing, grant holder-linked and block grant awards and supported 480 students, with R25.3m being disbursed. The URC funding comprised various postgraduate scholarships as well as the central postdoctoral Research Fellow funding. The total disbursement for URC scholarship funding was R30.1m which provided support to over 1,872 students. One of the URC scholarship programmes, the innovative UJ Honours programme which was designed to facilitate Honours enrolments in specific faculties, supported 572 students (R13m).

The URC funding contribution towards postdoctoral fellowships was R8.2m. This supported an increased number of postdoctoral research fellows (PRDFs), with these registrations reaching just over 69 for the first time at UJ. Continued strides were made to support the increasing number of PDRFs. Most notable was the implementation of a postdoctoral security protocol as well as a new, more streamlined and more cost effective medical aid product and process. At the end of 2013 the PFS embarked on a Global Excellence Stature to increase the number of postdocs over a five-year period, aim to be the leading Institution.

By the end of 2013, the number of Next Generation Scholarship holders who had completed their degrees was made up of 32 master's students and 11 doctoral students, with 8 students already employed by faculties. In addition, the PGCs Funding Support Section administered the process for the selection of the prestigious Mandela-Rhodes Foundation (MRF) Scholarships; one has been awarded a Master's MRF scholarship for 2013 in the Faculty of Management.

The PFS is responsible for driving the supervisor-linked bursaries (SLB), the main-funding provided to master's and doctoral students. The demand of the supervisor-linked bursaries increase on a yearly basis.







FACULTY OF ART, DESIGN AND ARCHITECTURE Executive Dean: Prof Federico Freschi



We emphasise sustainability, relevance and an engagement with the real world in our programmes, and connect actively with the dynamism, creativity and diversity of Johannesburg in promoting new approaches to design education that support the University's vision of being an international university of choice, anchored in Africa and dynamically shaping the future. The FADA flagship research centre, Visual Identities in Art and Design, is beginning to establish itself as a national thought leader in promoting practice led research, and continues to contribute significantly to the research output of the Faculty. Overall, the Faculty made excellent progress in 2013, while at the same time being responsive to the changing strategic imperatives of the University.

Preliminary figures indicate that in 2013 FADA produced a total of 45.74 subsidy units, compared to 35.48 subsidy units in 2012, 40.78 subsidy units in 2011 and 27.75 in 2010. This output included 24.5 journal article units, 8.5 conference proceeding units and 12.74 book and chapter subsidy units. This is a 36% increase in subsidy units compared to the 35.48 units produced in 2012. During the course of the year, members of staff participated in and curated numerous exhibitions, and completed 15 design projects. Two international conferences and a number of local conferences were organised. The Research Centre, Visual Identities in Art and Design (VIAD), exceeded all proposed outputs and performance indicators.

FACULTY RESEARCH REPORTS



– BOOKS –

Janse Van Rensburg Wilhelm WA. "High Printing. The Woodcuts, wood engravings, lino-cuts and metal cutouts of Walter Battis". 2013. Gallery AOP. ISBN. 978-0-620-58955-0

Janse Van Rensburg Wilhelm WA. "Transnational Modernism: The Gutai Art Association, Christo Coetzee, and the Legacy of Abstract Expressionism in South Africa". 2013. UJ Arts, \UJ Art Gallery. ISBN. 979-0-804000-07-8

Schmahmann Brenda BL. "Picturing Change: Curating Visual Culture at Post-Apartheid Universities". 2013. Wits University Press. ISBN. 978-1-86814-580-5

Stern Nathaniele N. "Interactive Art and Embodiment: The Implicit Body as Performance". 2013. Gylphi Limited. ISBN. 978-1-78024-009-1

- CHAPTERS -

Breytenbach Amanda A. "South African public interiors: redressing the past, crafting the present" in Reinventing Architecture and Interiors: A Socio-Political View on Building Adaptations. 2013. Libri Publications. ISBN. 978-1-907471-73-5

Buys Anthea AH . "Eyeing others" in Mikhael Subotzky: Retinal Shift. 2012. Steidl. ISBN. 978-3-86930-539-4

Schmahmann Brenda BL. "Stitched-up women, pinned-down men: gender politics in Weya and Mapula needlework, Zimbabwe and South Africa" in African Art and Agency in the Workshop. 2013. Indiana University Press. ISBN. 978-0-253-00749-0

- CONFERENCE PROCEEDINGS -

Bennett Jonathan JJ and Osman Amira AOS. "Critical engagement in informal settlements: lessons from the South African experience". 19th CIB World Building Congress: Construction and Society. 2013. Queensland University of Technology. ISBN.978-0-9875542-1-5

Bradnum Christopher CMS and Duff CA. "Design of a domestic water heating system to save water and electricity". 21st Conference on the Domestic Use of Energy: International Conference Towards Sustainable Energy, Solutions for the Developing World (DUE). 2013. Cape Peninsula University of Technology. ISBN. 978-0-9814311-7-8

Breytenbach Amanda A and Hankinson M. "Barriers that impact on the implementation of sustainable design". Cumulus Conference: Northern World Mandate. 2013. Aalto University, School of Arts, Design and Architecture. ISBN.978-952-60-0054-1

Breytenbach Amanda A. "Cultivating sustainable thinking through employing a studentcentered learning approach". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7

Campbell Angus AD. "Designing for development in Africa: a critical exploration of literature and case studies from the disciplines of industrial design and development studies". Gaborone International Design Conference: Design Future: Creativity, Innovation and Development. 2013. Cambridge Scholars Publishing. ISBN. 978-99968-0-019-1

Campbell Angus AD. "Participatory technology design for urban agriculture in South Africa". 14th IFIP TC13 Conference on Human-Computer Interaction: Urban Agriculture: A Growing Field of Research. 2013. INTERACT 2013. ISBN. 978-0-620-58534-7

Fenn Terence TK and Hobbs Jason JR. "Applying user journey design to resolve complex design problems". Gaborone International Design Conference: Design Future: Creativity, Innovation and Development. 2013. Cambridge Scholars Publishing. ISBN. 978-99968-0-019-1

Fenn Terence TK and Hobbs Jason JR. "Preparing undergraduate design students for complexity: a case study of the Johannesburg Art Gallery Project". Gaborone International Design Conference: Design Future: Creativity, Innovation and Development. 2013. Cambridge Scholars Publishing. ISBN. 978-99968-0-019-1

Gill Andrew A. "Positioning 'constructivist' academic research into project-based pedagogical design studies for fourth year interior design degree programmes". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7

Groenewald Marlize M. "Introducing De Jong: reflections upon reconstructing the life and practice of a white English-speaking designer". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN 978-1-77012-131-7

Harvey Reshma RN. "Design process of novice fashion design students: an educator's reflective analysis". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7

Harvey Reshma RN. "Sustaining Johannesburg's fashion design incubators: the role of fashion design education". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7

Hobbs Jason JR and Fenn Terence TK. "Navigating indeterminacy through the application of user journeys". 03rd International Conference on Design, Development & Research (DDR). 2013. Design, Development & Research Conference. ISBN. 978-9988-1-8513-8

Meiring Elzab E. "Praxis of design education to the current digital culture student". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7

Prinsloo Ilse I. "Embracing a culture of active citizenship in interior design education". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7 Ramdass Kemlall KR. "Alignment strategies for the clothing industries in SA: lessons learned". Portland International Centre for Management of Engineering and Technology: Technology Management in the IT-Driven Services. 2013. PICMET. ISBN. 1-890843-28-8

Ramdass Kemlall KR. "The implementation of ergonomics as a sustainable competitive advantage in the clothing industry". Portland International Centre for Management of Engineering and Technology: Technology Management in the IT-Driven Services. 2013. PICMET. ISBN. 1-890843-28-8

Van Zyl Christa CE. "Supporting a community through design: Melville, Johannesburg". DEFSA Conference: Design Cultures: Encultured Design. 2013. Design, Education Forum of Southern Africa (DEFSA). ISBN. 978-1-77012-131-7

- JOURNALS -

Bajorek Jennifer. "Decolonizing the archive: the view from West Africa". APERTURE (ISI). 2013. Vol. 210

Berman Kim KS. "Students as agents of change: engagement between university-based art students and alternative spaces". Third text: critical perspectives on contemporary art and culture (IBSS). 2013. Vol. 27 No. 3

Bradnum Christopher CMS. "The manica charcoal stove project". Journal of Energy in Southern Africa (ISI). 2013. Vol. 24 No. 2

Buntman Barbara BI. "Memorialising David Webster". SOUTH AFRICAN HISTORICAL JOURNAL (ISI). 2013. Vol. 65 No. 3

Buys Anthea AH. "Digital art and the analogue undead". Art South Africa (DHET). 2013. Vol. 11 No. 3 $\,$

Corrigall Mary ME. "Sutherland: between earth and sky". Art South Africa (DHET). 2013. Vol. 12 No. 1

Falkof Nicole N. "A "bloody epidemic": whiteness and family murder in late apartheid South Africa". Safundi: journal of South Africa and American studies (IBSS). 2013. Vol. 14 No. 3

Freschi Federico F. "Collecting and curating: 'a cultural icon and a beacon of light in the inner city': the role of the Friends of the Tatham Art Gallery (FOTAG), Pietermaritzburg, in ensuring the gallery's success". De Arte (DHET). 2013. Vol. 88

Gers Wendy WA. "Hiatus in Harare". Art South Africa (DHET). 2013. Vol. 12 No. 2

Gers Wendy WA. "PARIS". Art South Africa (DHET). 2013. Vol. 12 No. 1

Gers Wendy WA. "TAIPEI : an atomic mushroom encrusted with religious effigies". Art South Africa (DHET). 2013. Vol. 12 No. 1

Gurney Kim KJ. "Under fire: ethnography of a flame". Critical Arts: A Journal of South-North Cultural and Media Studies (DHET). 2013. Vol. 27 No. 4

Hobbs Philippa PA and Rankin E. "Word and image in dialogue: Peter Clarke's collages and Fan series". Image and Text (DHET). 2013. Vol. 21

Mdanda Sydney SDS. "The emancipation of the African voice in the curation of the //hapo exhibition at Freedom Park". South African Museums Association Bulletin (DHET). 2013. Vol. 36

Murinik Tracy T and Freschi Federico F. "Collecting and the market for African art". Art South Africa (DHET). 2013. Vol. 12 No. 2

Peter Judy J. "Gender and eco-feminism - Rita Tasker". CERAMICS-ART AND PERCEPTION (ISI). 2013. Vol. 91

Pretorius Jacqueline JD. "The visual representation of masculinities in Huisgenoot Tempo magazine". Communicatio: South African Journal for Communication Theory and Research (DHET). 2013. Vol. 39 No. 2

Rousell Claire C. "Collecting the landscape". De Arte (DHET). 2013. Vol. 88

Schmahmann Brenda BL. "A material paradise: reworking the Ghent altarpiece in the Keiskamma art project's creation altarpiece". De Arte (DHET). 2013. Vol. 88

Sey James JA. "Sublimation and reversibility: technologies of vision, the x-ray, and looking at paintings". Image and Text (DHET). 2013. Vol. 22

Siegenthaler Fiona. "Towards an ethnographic turn in contemporary art scholarship". Critical Arts-South-North Cultural and Media Studies (ISI). 2013. Vol. 27 No. 6

Stephen Janine JJ. "The Ruperts and the Karoo town". Art South Africa (DHET). 2013. Vol. 11 No. 4 $\,$

Tully Ann-Marie AP. "Actions speak louder than words in 'the Alice sequence': a series of exhibitions by Wilma Cruise". De Arte (DHET). 2013. Vol. 88

Van der Watt Liese. "Africa outside the ghetto". Art South Africa (DHET). 2013. Vol. 12 No. 2

Von Veh Karen KE. "Post-apartheid masculinity reviewed through the lens of Christian iconography: The work of Conrad Botes and Lawrence Lemacana". Communication : South African Journal for Communication Theory and Research (DHET). 2013. Vol. 39 No. 2

FACULTY OF ECONOMIC AND FINANCIAL SCIENCES Executive Dean: Prof Amanda Demosey



Measures in 2013 aimed at creating an environment that would stimulate research and scholarly activity included: four public lectures; appointment of visiting Professors; an accredited journal (to engage with the broader research community); internal research funding and other incentives; and various capacity development initiatives conducted particularly at departmental level. Activities in respect of the Faculty's three research/ training centres have started to gather momentum and, in turn, contribute to the research environment. The centres include: the Centre for Competition Regulation and Economic Development (CENLED), and the South African Accounting History Centre (SAAHC).

In 2013, preliminary subsidised publications amounted to 32 items, which translate to 24,49 units, comprising 21,24 journal article units, 0.43 book units and 2,82 units in respect of conference proceedings. This represents a13,9% decrease relative to 2012. The nature and level of research and scholarly activity in the Faculty is evident.

Doctoral Graduations 2013

Cakir, Mustafa (PhD Economics), Thesis: South Africa's economic integration with BRIC countries Supervisor: Prof A Kabund and Co-supervisor: Prof G van Zyl

Roos, Christiaan Johannes (DCom Auditing) Thesis: Governance responses to hacking in the banking sector of South Africa: an exploratory study, **Supervisor:** Prof TL Voogt and **Co-supervisor:** Prof B Marx

RESEARCH OUTPUTS 2013

- CHAPTERS -

Tregenna Fiona FM. "De-industrialization and re-industrialization" in Pathways to Industrialization in the Twenty-First Century: New Challenges and Emerging Paradigms. 2013.

- CONFERENCE PROCEEDINGS -

Mudzamiri Kizito K and Smith Nicolaas NJ. "Determination of net interest margin drivers for South African Banks". 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience. 2013. Oxford University Press. ISBN. 978-0-19-040801-5

Neuhaus Taryn Antonia TA and Nel Andre AL. "Modeling the civil litigation process in South Africa using game theory". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre (PSRC). ISBN. 978-93-82242-50-5

Rhodes Nadia N. "The future of accounting education with the integration of ICT". International Conference: The Future of Education. 2013. Libreriauniveritaria.it.edizioni. ISBN 978.88.6292-386-6

Rhodes Raymond RJ. "Lecturers changing andragogy during implementation of integrated information and communication technology (IICT) in accounting education". International Conference: The Future of Education. 2013. Libreriauniversitaria.it.edizioni. ISBN. 978-88-6292-386-6

- JOURNALS -

Ackermann Christo C and Fourie H. "The effect of COSO control environment attributes on the effectiveness of internal control: an internal auditor perspective". Southern African Journal of Accountability and Auditing Research (DHET). 2013. Vol. 14

Ackermann Christo C and Fourie H. "The impact of COSO control components on internal effectiveness: an internal audit perspective". Journal of Economic and Financial Sciences (DHET). 2013. Vol. 6 No. 2

Blaauw Phillip PF and Pretorious Anmar. "The determinants of subjective well-being in South Africa - an exploratory enquiry". Journal of Economic and Financial Sciences (DHET). 2013. Vol. 6 No. 1

Blaauw Phillip PF, Botha Ilse I, Schenk R and Schoeman Christiaan CH. "Happy in the informal economy?: a case study of well-being among day labourers in South Africa". International business and economics research journal (IBSS). 2013. Vol. 12 No. 6

Bonga-Bonga Lumengo L. "Assessing the stock market wealth effect in South Africa". African finance journal (IBSS). 2013. Vol. 15 No. 1

Bonga-Bonga Lumengo L. "Transmission of volatility shocks between the equity and foreign exchange markets in South Africa". Journal of applied business research (IBSS). 2013. Vol. 29 No. 5

Bonga-Bonga Lumengo L and Hoveni Jamela JB. "Volatility spillovers between the equity market and foreign exchange market in South Africa in the 1995-2010 period". SOUTH AFRICAN JOURNAL OF ECONOMICS (ISI). 2013. Vol. 81 No. 2

De Lange Hester HM, Marx Benjamin B and Van der Watt Alexander A. "Sustainability in education: an evaluation of a new teaching and learning strategy in chartered accountancy studies - a student perspective". Journal of Economic and Financial Sciences (DHET). 2013. Vol. 6 No. 2

 Wright, Cheryl Ann, Thesis: Conversations about doing hope. A narrative therapeutic journey

 Duncan Andrew AS and Kabundi Alain AN. "Domestic and foreign sources of volatility spillover to

 South African asset classes". ECONOMIC MODELLING (ISI). 2013. Vol. 31

Kabundi Alain AN and Cakir MY. "Business cycle co-movements between South Africa and the BRIC countries". APPLIED ECONOMICS (ISI). 2013. Vol. 45 No. 33

Kabundi Alain AN and Schaling Eric. "Inflation and inflation expectations in South Africa: an attempt at explanation". SOUTH AFRICAN JOURNAL OF ECONOMICS (ISI). 2013. Vol. 81 No. 3

FACULTY RESEARCH REPORTS

Kalonda-Kanyama Isaac I and Barnett WA. "Time-varying parameters in the almost ideal demand system and Rotterdam model: will the best specification please stand up?". APPLIED ECONOMICS (ISI). 2013. Vol. 45 No. 29

Kalonda-Kanyama Isaac I, Akwasi Nti-Addae, Asiedu Elizabeth and Ndikumana Leonce. "Access to credit by firms in Sub-Saharan Africa: how relevant is gender?". AMERICAN ECONOMIC REVIEW (ISI). 2013. Vol. 103 No. 3

Le Roux Corlise CL and Els Gideon G. "The co-movement between copper prices and the exchange rate of five major commodity currencies". Journal of Economic and Financial Sciences (DHET). 2013. Vol. 6 No. 3

Makhaya Gertrude and Roberts Simon SJ. "Expectations and outcomes: considering competition and corporate power in South Africa under democracy". Review of African Political Economy (ISI). 2013. Vol. 40 No. 138

Marx Benjamin B and Van der Watt Alexander A. "Sustainability in accounting education: an analysis of the teaching thereof at accredited South African universities". SA Journal of Accounting Research (DHET). 2013. Vol. 27 No. 1

Mncube Liberty L. "On market power and cartel detection: the South African flour cartel". Studies in Economics and Econometrics (DHET). 2013. Vol. 37 No. 3

Mncube Liberty L. "Strategic entry deterrence: pioneer foods and the bread cartel". Journal of Competition Law & Economics (ISI). 2013. Vol. 9 No. 3

Mohapi Alphons Tjhaka AT and Botha Ilse I. "The explanatory power of the yield curve in predicting recessions in South Africa". International business and economics research journal (IBSS). 2013. Vol. 12 No. 6

Muteba Mwamba John JW. "On the persistence of selectivity and market timing skills in hedge funds". International business and economics research journal (IBSS). 2013. Vol. 12 No. 12

Pholo Alain AB and Behrens K. "Do rent-seeking and inter-regional transfers contribute to urban primacy in Sub-Saharan Africa?". PAPERS IN REGIONAL SCIENCE (ISI). 2013. Vol. 92 No. 1

Roberts Simon SJ. "Challenging the power of big companies: competition policy isn't enough". New Agenda: South African Journal of Social and Economic Policy (DHET). 2013. Vol. 1st Quarter No. 49

Stander Yolanda YS, Botha Ilse I and Marais Daniel. "*Trading strategies with copulas*". Journal of Economic and Financial Sciences (DHET). 2013. Vol. 6 No. 1

Stander Yolanda YS, Botha Ilse I and Marais Daniel DJ. "A comparison of co-integration and copula asset allocation approaches". Studies in Economics and Econometrics (DHET). 2013. Vol. 37 No. 1

Tregenna Fiona FM. "The specificity of manufacturing in Marx's economic thought". European Journal of the History of Economic Thought (ISI). 2013. Vol. 20 No. 4

Van Zyl Gerhardus G. "The positive labour productivity externalities that arise from postsecondary qualification or training". Journal of Economic and Financial Sciences (DHET). 2013. Vol. 6 No. 3

Van Zyl Gerhardus G. "The relative labour productivity contribution of different age-skill categories for a developing economy". SA Journal of Human Resource Management (DHET). 2013. Vol. 11 No. 1

FACULTY OF EDUCATION Executive Dean: Prof Sarah Gravett



The Faculty is a leader in the country in research on primary school teacher education with the "teaching school" initiative at the SWC a unique example of practice-based teacher education. The teaching school research is conducted in partnership with the University of Helsinki. The South African Research Chair (National Research Foundation) in Education and Care, awarded to Prof Jace Pillay in 2013, testifies to the status of research on vulnerable children in the school sector. Science education and research in educational support for children and youth who struggle are other strong research areas in the Faculty.

The Faculty's research output has increased significantly during the past few years. In 2013 the Faculty produced 63.63 research units comprising articles in accredited journals, research-based books and conference

proceedings. In 2012 62.88 research units were produced (54.75 in 2011 and 35.33 in 2010).

The Faculty increased its subsidised research output in 2012 in comparison to 2011, 2010 and 2009. In 2009 the output was 17.82 units, while the output in 2012 was 62.88 units. The substantial increase can be contributed to a strong drive in the Faculty to increase its research footprint, as well as continuous monitoring and support. In 2013 the output was 63.63 units.

The following provides a breakdown of the levels of the staff that contributed to accredited research output.

DOCTORAL GRADUATIONS 2013

Ragpot, Lara, Thesis: Student learning in a course on cognitive development in childhood. Supervisor: Prof E Henning and Co-Supervisor: Prof J Pillay

Simwa, Kefa Lidundu, Thesis: The bachelor of Education Programme at a Kenyan University: A case of curriculum coherence in the preparation of secondary school History teachers. Supervisor: Prof MM Modiba

FACULTY RESEARCH REPORTS

Underhill, Jenni Lynne, Thesis: Opportunities for pedagogical and professional development at the University of Johannesburg: A critical exploration of the responses to a mentorship programme for lecturers working with tutors. **Supervisor**: Prof J Clarence-Fincham and **Co-Supervisor**: Dr NF Petersen

Wasielewski, Tanya Natasha, Thesis: Gauteng secondary school learners' lived experiences of Life Orientation and fulfilment of its outcome as a learning area. Supervisor: Prof J Pillay

Beukes, Johannes Andries, Thesis: Facilitation of awareness in the decision-making process of a marital partner as an integral part of mental health. Supervisor: Prof CPH Myburgh and Co-Supervisor: Prof M Poggenpoel

Moolla, Aneesa, Thesis: A psycho-educational model to facilitate to mental health of street children. Supervisor: Prof CPH Myburgh and Co-Supervisor: Prof M Poggenpoel

Nhlapo, Lovia Thandiwe, **Thesis:** Educational strategies for the constructive management of a culture of aggression in a secondary school. **Supervisor:** Prof CPH Myburgh and Co-Supervisor: Prof M Poggenpoel

Van der Merwe, Lize, Thesis: A psycho-educational programme for educators for the management of aggression in a secondary SEBD school in the United Kingdom. Supervisor: Prof CPH Myburgh and Co-Supervisor: Prof M Poggenpoel

White, Lounell, Thesis: Curriculum Support groups as ecologies of practice for teacher development. Supervisor: Prof JJJ de Beer and Co-Supervisor: Prof U Ramnarain

Sekhukhune, Catherine Dikeledi, Thesis: An ethnographic account of teaching and learning \ of the first Grade R programme in a developing school in 2010 in a black urban community. Supervisor: Dr E Fritz

Giannakapoulos, Apostolos, Thesis: How critical thinking, problem-solving and mathematics content knowledge contribute to students' performance at tertiary level: identifying their journeys. Supervisor: Dr K Luneta

Kyriacou, Xenia Sophia, Thesis: A design based study of an evolution education short learning programme and the conceptual and pedagogical development of participants with a view to theory building. Supervisor: Prof UJJ de Beer and Co-Supervisor: Prof U Ramnarain

Lamberti, Pia Lamberti, Thesis: A critical exploration of argumentation in the texts that third year development studies students interpret and conduct. Supervisor: Prof J Clarence-Fincham and Co-Supervisor: Prof E Henning

RESEARCH OUTPUTS 2013

- CHAPTERS -

Jacobs Gerrit GJ, Taylor Barret J and Webber Karen L. "Institutional research in light of Internationalization, growth, and competition" in Global Issues in Institutional Research. 2013. Wiley. ISBN. 978-1-1187-1435-5

Motala Shireen SM. "South Africa: Making post-apartheid rights into realities" in Education in Southern Africa. 2013. Bloombury Publishing Pic. ISBN. 978-1-4411-7149-8

Motala Shireen SM. "Equity, quality and access in South African education: a work still very much in progress" in New South African Review: The Second Phase - Tragedy or Farce?. 2013. Wits University Press. ISBN. 978-1-86814-735-9

Shonubi Ololade. "Women's leadership and constitutional rights in Africa: a myth or reality?" in The Power of Gender, The Gender of Power. 2013. Africa World Press. ISBN. 978-1-59221-912-4

- CONFERENCE PROCEEDINGS -

Ankiewicz Petrus PJ and Jakovljevic Maria M. "Instructional methodology for technological problem solving in project-based classrooms". ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Ankiewicz Petrus PJ. "The alignment of the caps for technology in the senior phase with the philosophy of technology: a critical analysis". ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Barlow-Jones Glenda G and Van der Westhuizen Duan D. "Digital literacy in the 21st century: fact or fiction?" World Conference on Educational Media & Technology. 2013. Association for the Advancement of Computing in Education (AACE). ISBN. 978-1-939797-03-2

Batchelor Jacqueline J and Lautenbach Geoffrey GV. "Reaching out and connecting: preservice teachers and their professional learning networks". ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Bender Cornelia CJG. "Responsive leadership as service for curricular community engagement at South African universities: narratives from academics". 05th International Symposium on Service Learning 2013: Service-Learning Across the Globe: From Local to Transnational (ISSL). 2013. Sun Media Stellenbosch. ISBN.978-0-620-59299-4

Chetty Jacqueline J and Van der Westhuizen Duan D. "I hate programming and other oscillating emotions experienced by novice students learning computer programming". World Conference on Educational Media & Technology. 2013. Association for the Advancement of Computing in Education (AACE). ISBN. 978-1-939797-03-2

Chetty Jacqueline J and Van der Westhuizen Duan D. "Meta-cognitive awareness and skill amongst students studying computer programming". ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Chetty Jacqueline J and Van der Westhuizen Duan D. "The transient emotions and conceptions of students crossing a threshold while learning to program: a phenomeno-graphic study". World Conference on Educational Media & Technology. 2013. Association for the Advancement of Computing in Education (AACE). ISBN. 978-1-939797-03-2

De Beer Josef JJJ and Ankiewicz Petrus PJ. "Building on a solid foundation: pre-science teacher education in the first year of university study". ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

De Beer Josef JJJ. "Challenges in the teaching of evolution in the life sciences classroom". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

De Beer Josef JJJ and Mothwa Melida Modiane MM. "Indigenous knowledge in the science classroom: science, pseudo-science, or a missing link?". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

De Beer Josef JJJ, Batchelor Jacqueline J and Lautenbach Geoffrey GV. "Pedagogical bungeejumping: learning in practice". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Diseko Rabaitse R and Pule Sechaba Precious SP. "A self-review framework: information and communication technology in a school for learners with special educational needs". 05th International Conference on Education and New Learning Technologies. 2013. International Association of Technology, Education and Development (IATED). ISBN. 978-84-616-3822-2

Diseko Rabaitse R, Batchelor Jacqueline J and Mcetywa Mahoai Lorraine ML. "Learners' engagement in the learning of mathematics with mobile technology". ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Divala Joseph JJK and Hungwe Joseph. "Dilemmas of numerical transformation: a critique of student body diversity in the South African higher education post-1994". 57th World Assembly: Innovations and Trends in Education. 2013. ICET. ISBN. 978-0-9827113-3-0

Durandt Rina R and Jacobs Gerrit GJ. "Learning mathematics with technology - a meaningful endeavour involving 2nd year education students". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Gerson Ilanit I, Lautenbach Geoffrey GV and Pillay Jace J. "Changing behaviours online: surfing safely". World Conference on Educational Media & Technology. 2013. Association for the Advancement of Computing in Education. ISBN. 978-1-939797-03-2

Grobler Rina RC. "Video-recorded lesson analysis as replacement for micro-lessons in a learning area methodology module". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Jacobs Gerrit GJ. "An international quest to establish and nurture a quality ethos in higher education". International Conference: Quality Traps?: Multidisciplinary Analysis and Comparative Studies of Quality Policies in Higher Education. (Colloque International: Leurres de la Qualite?) 2013. ACADEMIA L'Harmattan. ISBN. 978-2-8061-0113-6

Jacobs Melanie M and Jacobs Gerrit GJ. "Student transition and role perceptions of first year science academics". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Kajee Leila L. "Gaming, learning and literacy". 07th International Technology, Education and Development Conference. 2013. International Association of Technology, Education and Development. ISBN. 978-84-616-2661-8

Kajee Leila L. "Women's voices in English language education". International Academic Conference on Social Sciences. 2013. IACSS. ISBN. 978-9941-0-5712-0

Lautenbach Geoffrey GV and Batchelor Jacqueline J. "Purposeful transformation of teaching practice: learning technologies in collaborative social and historical contexts". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Lautenbach Geoffrey GV and Batchelor Jacqueline J. "Streamlining processes with technology: the research ethics committee". World Conference on Educational Media & Technology. 2013. Association for the Advancement of Computing in Education. ISBN. 978-1-939797-03-2

Mafumbate Racheal R, Magano Meahabo MD and Makoelle Tsediso TM. "An exploratory study on children at risk: a case of orphans' social and intellectual wellness in Masvingo Urban, Zimbabwe". 40th Annual International Conference of the Southern African Society for Education: Building Sustainable Education Futures for the Southern African Sub-Continent. 2013. Ivyline Technologies. ISBN. 978-1-86822-635-1

Modiba Maropeng MM and Stewart Sandra Lilian SL. "Improving schooling through curriculum guidance documents", 57th World Assembly: Innovations and Trends in Education. 2013. ICET. ISBN. 978-0-9827113-3-0

Olujuwon Olutola Thompson OT. "The challenges of teacher leaders in Nigeria public secondary schools". 57th World Assembly: Innovations and Trends in Education. 2013. ICET. ISBN. 978-0-9827113-3-0

Ramnarain Umesh UD. "The achievement goal orientation of disadvantaged black physical sciences students from South Africa". International Conference to Review Research on Science, Technology and Mathematics Education. 2013. Cinnamon Teal Publishing. ISBN. 978-93-81542-83-5

Spangenberg Erica ED. "The effect of differentiated teaching on learner achievement of grade 8 mathematics learners with special educational needs". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Van As Christiaan CF and Grobler Bernardus BR. "Teacher perspectives on the implementation of the national curriculum statement (NCS) in technology". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

Van der Westhuizen Duan D. "Emancipation from fundamentalist teaching: how school inhibits ICT creativity and innovation". International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013. Unisa Press. ISBN. 978-1-86888-742-2

- JOURNALS -

Ankiewicz Petrus PJ. "'n Teoretiese besinning oor die implikasies van die filosofie van tegnologie vir klaskamerpraktyk / A theoretical reflection on the implications of the philosophy of technology for classroom pedagogy". South African Journal for Science and Technology. (DHET). 2013. Vol. 32 No. 1

Ankiewicz Petrus PJ. "In Teoretiese besinning oor die implikasies van die filosofie van tegnologie vir onderwyseropleiding / A theoretical reflection on the implications of the philosophy of technology for teacher education". South African Journal for Science and Technology (DHET). 2013. Vol. 32 No. 1

Chisholm Linda. "The textbook saga and corruption in education". Southern African Review of Education (DHET). 2013. Vol. 19 No. 1

Chisholm Linda. "Bantustan education history: the 'progressivism' of Bophutatswana's primary education upgrade programme (PEUP), 1979-1988". SOUTH AFRICAN HISTORICAL JOURNAL (ISI). 2013. Vol. 65 No. 3

De Beer Josef JJJ and Henning Elizabeth E. "Uitdagings in die onderrig van evolusie in die lewenswetenskappeklaskamer / Challenges in the teaching of evolution in the life sciences classroom". South African Journal for Science and Technology (DHET). 2013. Vol. 32 No. 1

De Beer Josef JJJ and Van Wyk Ben-Erik B. "Voeding en fisieke welstand as deel van die skoolkurrikulum: 'n intervensie in 'n onderwys opleiding program / Nutrition and physical wellbeing in the school curriculum: An intervention in a teachers' education programme". South African Journal for Science and Technology (DHET). 2013. Vol. 32 No. 1

Du Plessis Petrus PJ. "Legislation and policies: progress towards the right to inclusive education". De Jure (DHET). 2013. Vol. 46 No. 1 Mutekwe Edmore E, Machingambi S, Maphosa C, Ndofirepi A and Wadesango N. "Exploring the teachers' role in the social construction of gender through the hidden culture curriculum and pedagogy: a case of Zimbabwe". Journal of social sciences (IBSS). 2013. Vol. 37 No. 3

Du Plessis Petrus PJ. "The principal as instructional leader: guiding schools to improve instruction". Education as Change (ISI). 2013. Vol. 17 No. S1

Fritz Elzette E, Lemont S and Veldsman Talita T. "Forging collaborative relationships through creative expressive arts therapy as school community intervention". Education as Change (ISI). 2013. Vol. 17 No. 1

Grobler Bernardus BR and Conley Lloyd LN. "The relationship between emotional competence and instructional leadership and their association with learner achievement". Education as Change (ISI). 2013. Vol. 17 No. S1

Grobler Bernardus BR, Govender Premapragasan P and Loock Coert CF. "Managing the moderation of school-based assessment at Grade 12 level in Gauteng". Acta Academica (DHET). 2013. Vol. 45 No. 1

Grobler Bernardus BR. "The school principal as instructional leader: a structural equation model". Education as Change (ISI). 2013. Vol. 17 No. S1

Henning Elizabeth E. "Teachers' understanding of mathematical cognition in childhood: towards a shift in pedagogical content knowledge?". PERSPECTIVES IN EDUCATION (ISI). 2013. Vol. 31 No. 3

Hlatshwayo Mondli MS. "Inmigrant workers and COSATU: solidarity versus national chauvinism?". Alternation: Interdisciplinary Journal for the Study of the Arts and Humanities in Southern Africa (Formerly International Journal for the Study of Southern African Literature and Languages) (DHET). 2013. Vol. Special Edition No. 7

Hlongwane Thamasanqa TS and Mestry Rajkumar R. "Empowering teacher teams to implement the integrated quality management systems in South African secondary schools". Journal of social sciences (IBSS). 2013. Vol. 37 No. 3

Jacobs Gerrit GJ, De Bruin Karina K and Jacobs Melanie M. "Praktyke en strategieë wat 'n kwaliteitsetos aan hoëronderwysinstellings behoort te koester / Practices and strategies that should nurture a quality ethos in higher education institutions". Tydskrif Vir Geesteswetenskappe (ISI). 2013. Vol. 53 No. 1

Johnston Catherine Jess CJ, Tillema Harm and Van der Westhuizen Gert GJ. *"Teacher knowledge of learners" help-seeking in mathematics problem solving"*. African Journal of Research in Mathematics, Science and Technology Education (AJRMSTE) or African Journal of Research in MST Education (DHET). 2013. Vol. 17 No. 02-Jan

Loock Coert CF. "Statistical adjustment of matric marks: the right of access to information". De Jure (DHET). 2013. Vol. 46 No. 1

Loock Coert CF. "Using examination and assessment scores as an aspect of instructional leadership in the school". Education as Change (ISI). 2013. Vol. 18 No. S1

Luneta Kakoma K and Makonye Judah P. "Mathematical errors in differential calculus tasks in the senior school certificate examinations in South Africa". Education as Change (ISI). 2013. Vol. 18 No. 1

Mackenzie Ann A. "A metaphorical analysis of the ecology of the classroom". Education as Change (ISI). 2013. Vol. 17 No. 1

Mestry Rajkumar R and Govindasamy Vanitha V. "Collaboration for the effective and efficient management of school financial resources". Africa education review (IBSS). 2013. Vol. 10 No. 3

Mestry Rajkumar R, Bosch Mark Nathan MN and Grobler Bernardus BR. "Understanding and managing conflict: a prerequisite for post-merger FET colleges". South African Journal of Higher Education (DHET). 2013. Vol. 27 No. 1

FACULTY RESEARCH REPORTS

Mestry Rajkumar R, Moonsammy Koopasammy Lingusvarie Isavanie LI and Schmidt M. "The instructional leadership role of primary school principals". Education as Change (ISI). 2013. Vol. 17 No. S1

Mestry Rajkumar R. "A critical analysis of legislation on the financial management of public schools: a South African perspective". De Jure (DHET). 2013. Vol. 46 No. 1

Modiba Maropeng MM and Stewart Sandra Lilian SL. "Understanding a text from the 1980s unrest in South Africa: a teacher-led reading of a novel at a rural school". Research in education (IBSS). 2013. Vol. 89

Moyo Nathan N and Modiba Maropeng MM. "Who does this history curriculum want you to be?": representation, school history and curriculum in Zimbabwe". Yesterday & Today (DHET). 2013. Vol. 10

Moyo Nathan N and Modiba Maropeng MM. "Government and educational reform: policy networks in policy-making in Zimbabwe, 1980-2008". JOURNAL OF EDUCATION POLICY (ISI). 2013. Vol. 28 No. 3

Moyo Nathan N and Modiba Maropeng MM. "Theory and practice in in-service teacher learning: teachers' re-conceptualization of curriculum in history lessons". Research Papers in Education (ISI). 2013. Vol. 2013

Mutekwe Edmore E and Modiba Maropeng MM. "Perceived gender-based challenges endured by Zimbabwean secondary school girls in their academic and occupational prospects". PERSPECTIVES IN EDUCATION (ISI). 2013. Vol. 31 No. 1

Mutekwe Edmore E and Mutekwe Constance C. "Teachers' perceptions of pupils' maladjustment problems: a psycho-social perspective". Journal of social sciences (IBSS). 2013.Vol. 37 No. 3

Mutekwe Edmore E, Machingambi S, Maphosa C, Ndofirepi A and Wadesango N. "A SWOT analysis of the rise and pedagogical implications of the social constructivist epistemology in educational practice". Anthropologist (ISI). 2013. Vol. 15 No. 1

Mutekwe Edmore E, Machingambi S, Maphosa C, Ndofirepi A and Wadesango N. "Can a philosophy for children programme empower the 21st century child in Africa?". Studies of tribes and tribals (IBSS). 2013. Vol. 11 No. 2

Mutekwe Edmore E, Machingambi S, Maphosa C, Ndofirepi A and Wadesango N. "Perceived challenges of implementing the performance management system in Zimbabwe". Journal of social sciences (IBSS). 2013. Vol. 35 No. 3

Mutekwe Edmore E, Machingambi S, Maphosa C, Ndofirepi A and Wadesango N. "School clusters in Zimbabwe: what issues do clusters tackle?". International journal of educational sciences (IBSS). 2013. Vol. 5 No. 3

Mutekwe Edmore E, Machingambi S, Maphosa C, Ndofirepi A and Wadesango N. "Philosophy for children: a possible starting point for democratic citizenship in Africa?". Anthropologist (ISI). 2013. Vol. 15 No. 2

Myburgh Christoffel CPH, Botha J and Poggenpoel Marie M. "Male teachers' experiences of own aggression". South African Journal of Education (ISI). 2013. Vol. 33 No. 3

Naicker Suraiya SR and Mestry Rajkumar R. "Teachers' reflections on distributive leadership in public primary schools in Soweto". South African Journal of Education (ISI). 2013. Vol. 33 No. 2

Naidoo Devika Dr and Venkat Hamsa. "Coherent discourse and early number teaching". Journal of Education (DHET). 2013. Vol. 57

Naidoo Devika Dr "Exploring the re-contextualization of the discourse of geography in textbooks". Journal of Education (DHET). 2013. Vol. 58

Perumal Juliet JC. "Pedagogy of refuge: education in a time of dispossession". Race Ethnicity and Education (ISI). 2013. Vol. 16 No. 5

Petersen Nadine NF and Merckel Vanessa VJ. "Post-basic nursing students' reflections on their experiences of dialogic mediation". Health SA Gesondheid (DHET). 2013. Vol. 18 No. 1

Poggenpoel Marie M, Janse van Rensburg A B R, Myburgh Christoffel CPH and Szabo C P. "The role of spirituality in specialist psychiatry: a review of the medical literature". African Journal of Psychiatry (ISI). 2013. Vol.16 No. 4

Poggenpoel Marie M, Janse van Rensburg Bernard, Myburgh Christoffel CPH and Szabo C P. "Competence of medical students and residents in psychiatry regarding spirituality, at a South African school of clinical medicine". INTERNATIONAL JOURNAL OF PSYCHIATRY IN MEDICINE (ISI). 2013. Vol. 45 No. 2

Postma Dirk DJVR. "The politics of performative ontology in information systems". Journal for Transdisciplinary Research in Southern Africa (DHET). 2013. Vol. 9 No. 2

Ramnarain Umesh UD and De Beer Josef JJJ. "Science students creating hybrid spaces when engaging in an expo investigation project". RESEARCH IN SCIENCE EDUCATION (ISI). 2013. Vol. 43 No. 1

Ramnarain Umesh UD and Fortus David. "South African physical sciences teachers' perceptions of new content in a revised curriculum". South African Journal of Education (ISI). 2013. Vol. 33 No. 1

Ramnarain Umesh UD. "The achievement goal orientation of disadvantaged physical sciences students from South Africa". Journal of Baltic Science Education. (ISI). 2013. Vol. 12 No. 2

Ramsaroop Sarita S and Van Rooyen Hugo HG. "Exploring educator competence in teaching environmental education in schools in Gauteng". Africa education review (IBSS). 2013. Vol. 10 No. 3 Sedibe Mabatho M. "Exploring life orientation teachers' perceptions regarding teaching of recreation and physical well-being". Journal of social sciences (IBSS). 2013. Vol. 36 No. 1

Shonubi Ololade and Taiwo Saheeb O. "Self-employed graduate entrepreneurs and management of small and medium enterprises (SMEs) in Lagos State, Nigeria". International business and economics research journal (IBSS). 2013. Vol. 12 No. 5

Smith Clive CKO, Bambie Alfred A and Mestry Rajkumar R. "Role-players' experiences and perceptions of heads of departments' instructional leadership role in secondary schools" Education as Change (ISI). 2013. Vol. 17 No. S1

Tillema Harm and Van der Westhuizen Gert GJ, "Mentoring conversations in the professional preparation of teachers". South African Journal of Higher Education (DHET). 2013. Vol. 27 No. 5

Vally Salim S, Spreen Carol CA and Thapliyal Nisha. "Until we get up again to fight": education rights and participation in South Africa". COMPARATIVE EDUCATION REVIEW (ISI). 2013. Vol. 57 No. 2

Van Den Heever Anna Elizabeth AE, Myburgh Christoffel CPH and Poggenpoel Marie M. "Nurses and care workers' perceptions of their nurs , -patient therapeutic re hospitals, Gauteng, South Africa". Health SA Gesondheid (DHET). 2013. Vol. 18 No. 1

Van der Westhuizen Gert GJ. "Reading, social media and learning conversations". Mousaion (DHET), 2013, Vol. 31 No. 1

Van der Westhuizen Gert GJ. "Post colonial perspectives on education policy research". Africa education review (IBSS). 2013. Vol. 10 No. 4

Van Staden Christina Johanna CJ and Van der Westhuizen Duan D. "Learn 2.0 technologies and the continuing professional development of secondary school mathematics teachers". Journal for New Generation Sciences (DHET). 2013. Vol. 11 No. 2

Zikhali Jovce JT, Chaurava E, Madzanire D and Maphosa C, "Students' perceptions of the utility of pedagogical approaches used by lecturers in selected faculties at a Zimbabwean University". Journal of social sciences (IBSS). 2013. Vol. 36 No. 2

FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT n. Prof Saurabh Sinha



Each school constitutes a number of research groups. where some research groups cluster together to form research centres. Research centres that are co-funded by the University Research Committee include

- Mineral Processing and Technology, Mineral Beneficiation and Value Addition
- Photonics Research
- Stream Processing Research Composite Materials Research
- Telecommunications Employing Emerging Technologies: Power Line

In 2013, a number of strategic research incentives were funded by the URC, these included:

- Sanitation for un-serviced residential areas
- Friction stir welding of aluminium and copper*
 Suburban Electrical Immune System
- Improving grey water re-use unit installed at UJ student town residence for the purpose of flushing toilets*
- · Facial recognition for automation of photo acceptance at application for documentation* Extraction, separation and uses of compounds found in precipitates produced in PGM and base metal refineries*
- Applied solar energy programme*
- Building blocks project: sustainable manufacturing*
 Ad-hoc wireless sensor networks
- Resynchronizing bursts of errors

*The URC also funded equipment relating to these projects.

At the time of this reporting, 155.98 publication units have been reported. The target for 2013 had been 140 units and therefore this represents a growth with regards to previous years. The units comprise: 108.98 peer-reviewed conference contributions, 45.21 journal articles and 1.79 book chapters. Of concern, however, is that 33.26 units were not processed. The lack of processing related to "un-qualifying" documents from the specific conference engagements.

Some eleven (11) academics are rated by the National Research Foundation (NRF). In 2013. a number of researchers were rated, these include: Prof M Bauer (C2), Dr K Ouahada (C3), Dr ET Akinlabi (Y2), Dr K Jalama (Y2), Dr F Ntuli (Y2) and Dr GA Oosthuizen (Y2) were rated by the NRF. Prof Bauer however faced challenges with her work permit and despite interventions by the relevant Executive Dean, Deputy Vice-Chancellor: Research, Innovation, Postgraduate Studies and the Library and Executive Director: Human Resources, she subsequently resigned from UJ. By way of the NRF description, researchers that are rated in the "Y" category are considered to be (fast) emerging researchers.

The Faculty supported some eight (8) postdoctoral research fellows, some twelve (12) visiting or honorary Professors. A list of academics with H-indices (according to Scopus) of 4 or more is herewith listed

TABLE 2: CITATION PROFILE OF ACADEMICS ACCORDING TO SCOPUS (ELSEVIER)

| Full Name | H-Index | #Citations (past five years) Excluding self-citations | #Documents Last 5 years) | #Documents (last 10 years) |
|--|---------|--|-----------------------------|-------------------------------|
| Jalama, Doctor Kalala (DFC Chemical Engineering) | 4 | 42 | 11 | 14 |
| Ekolu, Doctor Stephen (APK Civil Engineering Sc.) | 4 | 35 | 9 | 15 |
| Clarke, Prof Willem (APK Electrical & Electronic Eng. Sc.) | 4 | 24 | 24 | 44 |
| Twala, Prof Bhekisipho (APK Electrical & Electronic Eng. Sc.) | 4 | 59 | 28 | 35 |
| Shukla, Prof Mukul (APK Mechanical Engineering Sc.) | 4 | 44 | 24 | 30 |
| Mbohwa, Prof Charles (APB Quality & Operations Mgmt.) | 4 | 28 | 26 | 33 |
| Meyer, Prof Johan (APK Electrical & Electronic Eng. Sc.) | 5 | 101 | 19 | 30 |
| Mulaba, Prof Antoine (DFC Extraction Metallurgy) | 5 | 84 | 18 | 35 |
| Swart, Doctor Theodorus (APK Electrical & Electronic Eng. Sc.) | 7 | 174 | 17 | 40 |
| Doyoyo, Prof Mulalo Reuben (APK Mechanical Engineering Sc.) | 10 | 120 | 2 | 10 |
| Ferreira, Prof Hendrik (APK Electrical & Electronic Eng. Sc.) | 12 | 269 | 58 | 118 |

TABLE 3: A LIST OF DOCTORAL GRADUATIONS

| | Student | Supervisor | Co-supervisor 1 | Co-supervisor 2 | Title of thesis | |
|---|----------------------------------|-----------------------|-----------------|-----------------|---|--|
| 1 | Agumba, Justus Ngala | Prof JHC Pretorius | Prof T Haupt | - | A construction of a health and safety performance improvement model for South African small and medium enterprises. | |
| 2 | Aigbavboa, Clinton Ohis | Prof WD Thwala | Prof B Twala | - | An integrated beneficiary centred satisfaction model for publicly-funded housing schemes in South Africa. | |
| 3 | Bidgood, Peter Mark | Prof AL Nel | - | - | Wind tunnel balance matrix generation using Monte Carlo Simulation techniques. | |
| 4 | Crous, Pieter Andries | Prof J Haarhoff | Prof C Buckley | - | Communal ablution facilities as an interim measure for the upgrading of inform settlements. | |
| 5 | Du Plessis, Jan Abraham Francois | Prof AL Nel | - | - | An alternative Gyroscope Calibration Methodology. | |
| 6 | Ejigu, Efrem Kebede | Prof PL Swart | Prof B Lacquet | - | Non-polarised edge filter design using genetic algorithm and its fabrication using electron beam evaporation deposition technique. | |

| | Student | Supervisor | Co-supervisor 1 | Co-supervis |
|----|-----------------------------|-----------------------|--------------------|---------------|
| 7 | Joseph, Meera Kenkarasseril | Prof WA Clarke | Dr N Clarke | - |
| 8 | Mahamood, Rasheedat Modupe | Dr ET Akinlabi | Prof M Shukla | Prof S Pityan |
| 9 | Manual, Grant | Prof JHC Pretorius | Prof B Twala | - |
| 10 | Marnewick, Annlize Lyon | Prof JHC Pretorius | Prof L Pretorius | - |
| 11 | Mwanaumo, Mishengu Erastus | Prof WD Thwala | Prof JHC Pretorius | - |
| 12 | Nel, Hannelie | Prof JHC Pretorius | - | - |
| 13 | Sopazi, Peaceman Ndodoxolo | Prof TN Andrew | - | - |
| 14 | Sumbwanyambe, Mbuyu | Prof AL Nel | Prof WA Clarke | - |

POSTGRADUATE GRADUATIONS 2013

Xing, Bo Thesis: Soft computing in remanufacturing. Supervisor: Prof T Marwala and Co-Supervisor: Prof FV Nelwamondo

Vermeulen, Andre, Thesis: An analytical instrument measuring the status of an organisation business process capability. Supervisor: Prof JHC Pretorius and Co-Supervisor: Prof L Pretorius

Anderson, George Georgevich; Thesis: Operating System Scheduling Optimization. Supervisor: Prof T Marwala and Co-Supervisor: Prof FV Nelwamondo

Duma. Mlungisi Sizwe: **Thesis:** Improving classification performance in missing insurance data. risor: Prof T Marwala and Co-Supervisor: Prof B Twala

Shaw, Ian Stephan; Thesis: A study of analogies between processes in technical and biological systems. Supervisor: Prof JD van Wyk and Co-Supervisor: Prof T Marwala

Du Plessis, Jan Abraham Francois: Thesis: An alternative Gyroscope Calibration Methodology. Supervisor: Prof AL Nel

Marnewick, Annlize Lyon; Thesis: A socio-technical view of the requirements engineering process. Supervisor: Prof JHC Pretorius and Co-Supervisor: Prof L Pretorius

Sumbwanyambe, Mbuyu; Thesis: A pricing model for sustainable ICT development in a heterogeneous environment. Supervisor: Prof AL Nel and Co-supervisor: Prof WA Clarke

Ejigu, Efrem Kebede; Thesis: Non-polarised edge filter design using genetic algorithm and its Aigbavboa Clinton CO and Thwala Wellington WD. "An assessment of the correlation between fabrication using electron beam evaporation deposition technique. Supervisor: Prof PL Swart and indoor environmental quality and productivity in a university building: occupants' perspective' Co-supervisor: Prof B Lacquet 18th International Symposium on Advance 2013. Springer. ISBN. 978-3-642-44915-4 im on Advancement of Construction Management and Real Estate.

Agumba, Justus Ngala; Thesis: A construction health and safety performance improvement model for South African small and medium enterprises. Supervisor: Prof JHC Pretorius and Co-Supervisor: Prof T Haupt.

Sopazi, Peaceman Ndodoxolo; Thesis: The role of language and culture in technological innovation. Supervisor: Prof TN Andrew

RESEARCH OUTPUTS 2013

- CHAPTERS -

Lo Giudice Agata A, Clasadonte MT and Matarazzo A. "Environmental labels and declarations in the agri-food sector" in Product-Oriented Environmental Management Systems (POEMS): Improving Sustainability and Competitiveness in the Agri-Food Chain with Innovative Environmental Management Tools. 2013. Springer. ISBN. 978-94-007-6115-5

Lo Giudice Agata A, Clasadonte MT and Matarazzo A. "The implementation of the guidelines for environmental labels and declarations in agri-food SMEs" in Product-Oriented Environment Aigbavboa Clinton CO and Thwala Wellington WD. "An exploratory study of the major causes Management Systems (POEMS): Improving Sustainability and Competitiveness in the Agri-Food Chain with Innovative Environmental Management Tools. 2013. Springer. of construction disputes in the South African construction sector". 07th International Conference on Construction in the 21st Century: Challenges in Innovation, Integration & Collaboration in ISBN 978-94-007-6115-5 Construction & Engineering. 2013. CITC-VII. ISBN. 978-0-9894623-0-3

Lo Giudice Agata A. Clasadonte MT and Matarazzo A. "Guidelines for environmental labels in the Aigbavboa Clinton CO and Thwala Wellington WD. "An investigation of the critical factors affecting the delivery of low-income housing and their effects on residents' satisfaction agri-food SMEs" in Product-Oriented Environmental Management Systems (POEMS): Improving Sustainability and Competitiveness in the Agri-Food Chain with Innovative Environmental Management Tools. 2013. Springer. ISBN. 978-94-007-6115-5 07th International Conference on Construction in the 21st Century: Challenges in Innovation, Integration & Collaboration in Construction & Engineering. 2013. CITC-VII. ISBN 978-0-9894623-0-3

Mutingi Michael M and Mbohwa Charles C. "Fuzzy system dynamics: a framework for modelling renewable energy policies" in Energy Policy Modeling in the 21st Century. 2013. Springer ISBN. 978-1-4614-8605-3

Mutingi Michael M. "Adoption of renewable energy technologies: a fuzzy system dynamics perspective" in Energy Policy Modeling in the 21st Century. 2013. Springe ISBN. 978-1-4614-8605-3

Shukla Mukul M. "Abrasive water jet milling" in Nontraditional Machining Processes: Research Advances. 2013. Springer. ISBN. 978-1-4471-5178-4

- CONFERENCE PROCEEDINGS -

Agbenyeku Emam-Obong EE and Ojuri OO, Okonta Felix FN. "Evaluation of empirical equations For leachate migration through composite barrier with defected geomembrane". Ozna African Regional Conference on Geosynthetics: Geosynthetics for Sustainable Development in Africa. 2013. International Geosynthetics Society (IGS). ISBN.978-0-9884772-1-6

Agbenyeku Emam-Obong EE and Ojuri OO, Okonta Felix FN. "Leachate flow through composite barrier from defected geomembrane". 02nd African Regional Conference on Geosynthetics: Geosynthetics for Sustainable Development in Africa. 2013. International Geosynthetics Society (IGS), ISBN, 978-0-9884772-1-6

FACULTY RESEARCH REPORTS

sor 2 Title of thesis A framework for rural women empowerment using information and communication technologies. ana Characterisation of laser metal deposition of functionally graded titanium alloy composites. Short term load forecasting by means of neural networks and programmable logic devices for new high electrical energy users. A socio-technical view of the requirements engineering process. An integrated approach to multi-stakeholder interventions in construction health and safety. Design and implementation of a prevention, appraisal and failure cost module. The role of language and culture in technological innovation A pricing model for sustainable ICT development in a heterogeneous

Agumba Justus JN, Haupt Theodore TC and Pretorius Jan JHC. "Employee involvement and empowerment in health and safety: a perception of small and medium contractors in South Africa". 19th CIB World Building Congress: Construction and Society. 2013. Queensland University of Technology. ISBN. 978-0-9875542-0-8

Agumba Justus JN and Musonda Innocent I, "Experience of using Delphi method in construction health and safety research". 07th International Conference on Construction in the 21st Century: Challenges in Innovation, Integration & Collaboration in Construction & Engineering (CITC-VII). 2013, CITC-VII, ISBN, 978-0-9894623-0-3

Agumba Justus JN and Haupt Theodore TC. "Exploratory factor analysis of health and safety management practices in small and medium enterprises in the South African construction industry". 07th Built Environment Conference. 2013. Association of Schools of Construction of South Africa. ISBN. 978-0-620-55984-3

Agwa-Ejon John JF and Mbohwa Charles C. "The impact of technology on small, micro and medium scale enterprises in Gauteng, South Africa". 22nd International Conference on Management of Technology: Science, Technology and Innovation in the Emerging Market Economies. 2013. IAMOT. ISBN. 0-9815817-6-5

Aigbavboa Clinton CO and Thwala Wellington WD. "A theoretical framework of users' satisfaction/dissatisfaction theories and models". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 97893-82242-54-3

Aigbavboa Clinton CO and Thwala Wellington WD. "An assessment of the effectiveness of learnership programmes in the South Africa construction industry". 07th International Conference on Construction in the 21st Century: Challenges in Innovation, Integration & Collaboration in Construction & Engineering. 2013. CITC-VII. ISBN. 978-0-9894623-0-3

Aigbavboa Clinton CO and Thwala Wellington WD. "An assessment of the key determinants of building science students' satisfaction when undertaking group work: a case study of the University of Johannesburg, South Africa". West Africa Built Environment Research Conference. 2013. West Africa Built Environment Research. ISBN. 978-0-9566060-6-8

Aigbavboa Clinton CO and Dalhatu A. "An exploratory investigation of the need for publicprivate partnership in water treatment and supply facilities of some urban cities of northern Nigeria". 02nd International Conference on Infrastructure Development in Africa. 2013. Department of Construction Management & Quantity Surveying, University of Johannesburg. ISBN, 978-0-620-54070-4

Aigbavboa Clinton CO and Thwala Wellington WD. "Causative factors of dormitory satisfaction: a case study of habitat residence, University of Johannesburg". International Engineering & Management Conference 2012 (Published 2013). Universal-Publishers. ISBN. 978-1-61233-265-9

Aigbayboa Clinton CO and Thwala Wellington WD. "Confirmatory factor analysis of neighbourhood features amongst South Africa low-income housing occupants". International Conference on Construction and Real Estate Management: Construction and operation in the Context of Sustainability. 2013. American Society of Civil Engineers. ISBN. 978-0-7844-1313-5

Aigbavboa Clinton CO, Sanni-Adekoya M and Thwala Wellington WD. "Motivating construction workers in a dynamic changing work environment". International Engineering & Ma Conference 2012 (Published 2013). Universal-Publishers. ISBN. 978-1-61233-265-9 ering & Management

Aigbavboa Clinton CO and Thwala Wellington WD. "Structural equation modelling of building quality constructs as a predictor of subsidized low-income housing satisfaction in South Africa" 02nd Applied Research Conference in Africa. 2013. Applied Research Conference in Africa. ISBN, 978-9988-1-7051-6

Aigbavboa Clinton CO and Thwala Wellington WD. "Structural equation modelling of the predictive effects of residents' housing needs and expectations in South Africa public housing". The Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered Surveyors. 2013. Royal Institution of Chartered Surveyors. ISBN. 978-1-78321-030-5

Aigbavboa Clinton CO and Thwala Wellington WD. "The role of beneficiaries' participation in South Africa low-income housing occupants' satisfaction". 29th Annual Conference: Association of Researchers in Construction Management. 2013. Association of Researchers in Construction Management. ISBN. 978-0-9552390-7-6

Akinlabi Esther ET and Akinlabi Stephen SA. "Characterising effects of applied loads on the mechanical properties of formed steel sheets". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 76 Part VII . 2013. WASET. ISBN. 2010-376X

Akinlabi Esther ET, Akinlabi Stephen SA and Matlou Kagisho Lesiba KL. "Characterising the effect of springback on mechanically formed steel plates". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I . 2013. International Association of Engineers (IAENG). ISBN. 978-988-19251-0-7

Akinlabi Esther ET, Akinlabi SA and Ogunmuyiwa Enoch EN. "Characterizing the effects of sand blasting on formed steel samples". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI. 2013. WASET. ISBN. 2010-376X

Akinlabi Esther ET, Akinlabi Stephen SA and Tlale NS. "Design of a motor vehicle simulator: an alternative for assessing driving skills". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 76 Part VII. 2013. WASET. ISBN. 2010-376X

Akinlabi Esther ET, Akinlabi Stephen SA and Levy Adrian Carlos Sebastian. "Design of a support system for a re-configured milling machine to achieve friction stir welds". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers (IAENG). ISBN. 978-988-19251-0-7

Akinlabi Esther ET and Akinlabi SA. "Designs of temperature measuring device for a re-configured milling machine". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI . 2013. WASET. ISBN. 2010-376X

Akinlabi Esther ET, Akinlabi Stephen SA and Krishnan Surekha S. "Effect of friction stir processing on the electrical resistivity of AA 6082". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5940-5

Akinlabi Esther ET and Aniki AO. "Implementation of CMMS software for a maintenance plan in a manufacturing industry". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI. 2013. WASET. ISBN. 2010-376X

Akinlabi Esther ET and Akinlabi Stephen Akinwale SA. "Micro-structural development during mechanical forming of steel sheets". International Conference of Applied Engineering Mathematics (ICAEM 2013)(WCE 2013). Vol I . 2013. International Association of Engineers. ISBN. 978-988-19251-0-7

Akinlabi Esther ET and Akinlabi Stephen SA. "Statistical analysis of friction stir weld data". International Multi-Conference of Engineers and Computer Scientists: Advances in Engineering Technologies and Physical Science (IMECS 2012) (Published 2013). 2013. Springer. ISBN. 978-94-007-5623-6

Akinlabi Stephen SA, Akinlabi Esther ET. "Experimental investigation of laser beam forming of titanium and statistical analysis of the effects of parameters on curvature". International Multi-Conference of Engineers and Computer Scientists (IMECS 2013). 2013. International Association of Engineers (IAENG). ISBN. 978-988-19252-6-8

Belaid Mohamed M, Belaid Mohamed M, Falcon R, Patsa Kamohelo KV and Vainikka P. "Potential and technical basis for utilizing coal benefication discards in power generation by applying circulating fluidized bed boilers". 02nd International Conference on Recent Innovations in Engineering & Technology (ICRIET 2013) & 02nd International Conference on Humanities, Biological & Environmental Sciences (ICHBES 2013). 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-31-4

Bhero Shepherd SW. "Metal injection moulding as possible processing route for porous prostheses". International Conference on Advances in Engineering Sciences and Applied Mathematics . 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Bukasa Gregoire Mulumba GM and Dundu Morgan M. "Flexural strength of single channels restrained by angle cleats". O5th International Conference on Structural Engineering, Mechanics and Computation: Research and Applications in Structural Engineering, Mechanics and Computation. 2013. CRC Press. ISBN. 978-1-138-00061-2

Chinnappen Suvendi S, Ouahada Khmaies K and Rangata Ramakgabane Timothy. "Analog signal acquisition and transmission within extremely low and very low frequency bands (ELF and VLF)". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Corregedor Antonio AR, Carroll Johnson J, Meyer Johan J, Murcott Charles CA and Smith Kegan Bryce KB. "Interchangeable energy sources for hybrid vehicles". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Dadabhay Haroon, Ansary Nazeem N and Ogra Aurobindo A. "An exploratory study of traditional design tender and build (DTB) procurement system: a case study of Gauteng, South Africa". 07th Built Environment Conference. 2013. Association of Schools of Construction of South Africa. ISBN. 978-0-620-55984-3

Dapaah Ambrose Denteh AD and Musonda Innocent I. "Contractors' perceptions of contractor development programmes in South Africa". 07th Built Environment Conference. 2013. Association of Schools of Construction of South Africa. ISBN. 978-0-620-55984-3

De Beer Arnoldus AS, Emleh Ashraf AF, Ferreira Hendrik HC and Vinck AJH. "Effects of LED lamps on the power-line communications channel". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6 De Beer Arnoldus AS. "Noice source model for power converters incorporating a single source with imbalance". IEEE International Conference on Industrial Technology. 2013. IEEE. IJSBN. 978-1-4673-4569-9

De Beer Arnoldus AS, Van Wyk Jacobus JD and Wooding Gareth GN. "Problematic aspects when using a LISN for converter EMI characterisation". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

Diphare Motshumi MJ, Mollagee Mohamed MM, Muzenda Edison E and Pilusa Tsietsi TJ. "A comparison of waste lubricating oil treatment techniques". 02nd International Conference on Machine Learning, Electrical, Electronics & Mechanical Engineering & 02nd International Conference on Agriculture, Environment and Humanities Engineering . 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-36-9

Diphare Motshumi MJ, Mollagee Mohamed MM, Muzenda Edison E and Pilusa Tsietsi Jefrey TJ. "A review of waste lubricating grease management". 02nd International Conference on Machine Learning, Electrical, Electronics & Mechanical Engineering & 02nd International Conference on Agriculture, Environment and Humanities Engineering. 2013. Planetary Scientific Research. ISBN. 978-93-8242-36-9

Diphare Motshumi MJ and Muzenda Edison E. "Analysis and characterization of waste lubricating grease derived oil". O2nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Diphare Motshumi MJ and Muzenda Edison E. "Economic evaluation of waste lubricating grease recycling technology". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Diphare Motshumi MJ and Muzenda Edison E. "Influence of solvents on the extraction of oil from waste lubricating grease: a comparative study". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Diphare Motshumi MJ, Muzenda Edison E and Pilusa Tsietsi Jefrey TJ. "The effect of degrading agents and diluents on oil recovery from lithium based waste lubricating grease". 02nd International Conference on Machine Learning, Electrical, Electronics & Mechanical Engineering & 02nd International Conference on Agriculture, Environment and Humanities Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-36-9

Diphare Motshumi MJ and Muzenda Edison E. "The effect of extraction conditions on oil yield from waste lubricating grease". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers (IIE). ISBN. 978-93-82242-51-2

Doyle Marlene M and Mbohwa Charles C. "Re-engineering of the personal loan application process in a South African bank operating in Africa". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Drotskie Adri A and Oosthuizen Christiaan C. "Sustainable competitive advantage and strategy: a framework to map corporate social contribution and opportunities". 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies. 2013. Pan-Pacific Business Association. ISBN. 1-931649-27-3

Du Plessis Jan JAF. "Neural network based fiber optic gyro calibration". 06th Robotics and Mechatronics Conference. 2013. IEEE. ISBN. 978-1-4799-1518-7

Dube Partson P, Battle Kimberly KJ, Bvuma Mothlago MS and Muyengwa Goodwell G. "Investigating the relationship between product modularity and supply chain integration". 06th International Conference on Engineering and Business Education. 2013. University of Wismar, Germany. ISBN. 978-3-942100-03-8

Dube Partson P, Battle Kimberly KJ and Muyengwa Goodwell G. "The impact of product modularization on supply chain relationships: a furniture industry perspective". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0-7972-1450-7

Duma Innocent Sizo IS, Twala Bhekisipho B. "Credit risk evaluation using a multi-layered feedforward neural network with back-propagation learning rule". IEEE International Joint Conference on Neural Networks. 2013. IEEE. ISBN. 978-1-4673-6129-3

Duma Innocent Sizo IS, Marwala Tshilidzi T and Twala Bhekisipho B. "Predictive modeling for default risk using a multi-layered feed-forward neural network with Bayesian regularization". IEEE International Joint Conference on Neural Networks. 2013. IEEE. ISBN. 978-1-4673-6129-3

Dundu Morgan M and Lim JH. "Buckling of cold-formed lipped-channel stub columns". 05th International Conference on Structural Engineering, Mechanics and Computation: Research and Applications in Structural Engineering, Mechanics and Computation. 2013. CRC Press. JSBN. 978-1-138-00061-2

Dundu Morgan M and Tumkou Johnathan JK. "Compressive resistance of circular hollow sections with squashed ends". 05th International Conference on Structural Engineering, Mechanics and Computation: Research and Applications in Structural Engineering, Mechanics and Computation. 2013. CRC Press. ISBN. 978-11-38-00061-2

Dundu Morgan M, Lim JBP, Lim JH, Phan TD, Sha W and Tanyimboh TT. "Effect of serviceability limits on optimal design of steel portal frames". 05th International Conference on Structural Engineering, Mechanics and Computation: Research and Applications in Structural Engineering, Mechanics and Computation. 2013. CRC Press. ISBN. 978-1-138-00061-2

Dundu Morgan M. "Square concrete filled steel hollow columns". 05th International Conference on Structural Engineering, Mechanics and Computation: Research and Applications in Structural Engineering, Mechanics and Computation. 2013. CRC Press. ISBN. 978-1-138-00061-2 Dyantyi Ayanda, Mbuli Ephraim Nhlanhla EN and Pretorius Jan JHC. "Effects of Zeus 765/400kV transformer tap changer positions on system performance when overlaid 765kV lines are seriescompensated". IEEE International Conference on Industrial Technology. 2013. IEEE. \ ISBN. 978-1-4673-4569-9

Eke Chikezie Chinemerem CC, Aigbavboa Clinton CO and Thwala Wellington WD. "An evaluation of students' satisfaction with university hall of residence". 18th International Symposium on Advancement of Construction Management and Real Estate. 2013. Springer. ISBN. 978-3-642-44915-4

Elsmore Kyle Harold KH, Akinlabi Esther ET, Akinlabi Stephen SA and Madyira Daniel DM. "Statistical analysis of the effects of parameters on L-9 TOA designed experimental LBF data". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 76 Part VII . 2013. WASET. ISBN. 2010-376X

Emleh Ashraf AF, De Beer Arnoldus AS, Ferreira Hendrik HC and Vinck AJH. "Effects of plasma lamps on the power-line communications channel". 55th International Symposium ELMAR 2013. Croation Society Electronics in Marine. ISBN. 978-953-7044-14-5

Emleh Ashraf AF, De Beer Arnoldus AS, Ferreira Hendrik HC and Vinck AJH. "Interference detection on power-line communications channel when in-building wiring system acts as an antenna". 55th International Symposium ELMAR 2013. Croatian Society Electronics in Marine. ISBN. 978-953-7044-14-5

Emleh Ashraf AF, De Beer Arnoldus AS, Ferreira Hendrik HC and Vinck AJH. "The impact of the CFL lamps on the power-line communications channel". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Ferreira Hendrik HC, Janse van Rensburg P A and Sibanda MP. "A compact economical PLC band-pass coupler with impedance matching". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Flowers Vincent Peter VP and Mbohwa Charles C. "Business process re-engineering: a look at the business account opening process at MNM Bank". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Ginindza Bongekile B, Mollagee Mohamed MM, Muzenda Edison E and Pilusa Tsietsi Jefrey TJ. "Merafong city and Randfontein municipalities community perspectives on waste management". 02nd International Conference on Machine Learning, Electrical, Electronics & Mechanical Engineering & 02nd International Conference on Agriculture, Environment and Humanities Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-36-9

Gudukenya Loice Keresia LK and Mbohwa Charles C. "Improving the efficiency of pelton wheel and cross-flow micro hydro power plants". International Conference on Industrial Engineering and Operations Management (ICIEOM 2013) WASET Issue 83 Part VII. 2013. WASET. ISBN. 2010-376X

Gudukenya Loice Keresia LK and Mbohwa Charles C. "Success factors for manufacturing and service industries in Zimbabwe". International Conference on Industrial Engineering and Operation Management (ICIEOM 2013) WASET ISsue 83 Part VII. 2013. WASET. ISBN. 2010-376X Kommula Venkata Parasuram VP, Kanchireddy Obi Reddy K, Marwala Tshilidzi T and Shukla Mukul M. "Morphological, structural and thermal characterization of acetic acid modified and unmodified napier grass fiber strands". 07th International Conference on Intelligent Systems and Control . 2013. WASET ISBN. 2010-376X

Hassan Narmeen N, Marwala Tshilidzi T and Twala Bhekisipho B. "Gold mine dam levels and energy consumption classification using artificial intelligence methods". IEEE Business Engineering and Industrial Applications Colloquium. 2013. IEEE. ISBN. 978-1-4673-5968-9

Hassan Narmeen N, Marwala Tshilidzi T and Twala Bhekisipho B. "Predicting mine dam levels and energy consumption using artificial intelligence methods". IEEE Symposium on Computational Intelligence for Engineering Solutions & IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-S851-4 Krishnan Surekha S, Akinlabi Esther ET, Bhatt S, Dumbre J and Ramalingam R. "Effect of crystallographic orientation on the pitting corrosion resistance of laser surface melted AISI 304L austenitic stainless steel". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 76 Part VIII. 2013. WASET Issue 76 Part VIII. 2013. WASET Issue 76 Part VIII.

Heymann Reolyn R, Ferreira Hendrik HC, Swart Theodorus TG and Weber JH. "Concatenated permutation block codes based on set partitioning for substitution and deletion error-control". IEEE Information Theory Workshop. 2013. IEEE. ISBN. 978-1-4673-0223-4

Hurter Warren Stanley WS, Janse Van Rensburg Nicoleen N and Oosthuizen Gert GA. "Investigating the effects of composite materials in solar cell encapsulation". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Hurter Warren Stanley WS, Du Plessis Haydn HD and Janse van Rensburg Nicoleen N. "Simplified encapsulation of solar cells using glass fibre reinforced polymers". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Ionescu Dorina D. "Improving the modules through-put in engineering distance education by providing the students with adequate study material". 04th International Science & Technology Conference & International Distance Education Conference. 2013. ISTEC. ISBN. 2146-7382

lonescu Dorina D. "Predictive maintenance for intensive energy consuming plants, serviced by under-qualified staff. Case study". International Conference on Renewable Energies and Power Quality . 2013. RE & PQJ . ISBN. 2172-038 X

Janse van Rensburg Nicoleen N, Laubscher Rudolph RF, Madyira Daniel DM and Oosthuizen Gert GA. "Residual stress depth Profiling of commercially pure titanium subjected to high-speed machining using energy dispersive diffraction". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Janse van Rensburg Nicoleen N and Clarke Norah N. "Taking on the challenge: evaluating the benefits of participating in solar vehicle racing". IEEE Global Engineering Education Conference: Synergy from Classic and Future Engineering Education. 2013. IEEE. ISBN. 978-1-4673-6110-1

Janse Van Rensburg Pieter Gerbrand PG, Hurter Warren Stanley WS, Janse Van Rensburg Nicoleen N and Oosthuizen Gert GA. "Manufacturing challenges for custom made solar vehicles in South Africa". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Joannou Andrew ALJ and Pentz David DC. "Evaluation of a novel primary tapped transformer in a high frequency isolated power converter topology". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

FACULTY RESEARCH REPORTS

Joannou Andrew ALJ and Pentz David DC. "Miniature integrated co-axial current shunt for high frequency switching power electronics". 21st Southern African Universities Power Engineering Conference. 2013. SAUPEC. ISBN. 978-1-86822-630-6

Joseph Meera M, Kayisu Antoine A and Patel Pretesh PB. "A comparison of ICT initiatives in South Africa and Democratic Republic of Congo". 14th Annual Global Information Technology Management Association World Conference . 2013. Ivy League Publishing. ISBN. 1947-4822

Joseph Meera M and Varachia Mohamed MF. "Challenges in skills development in foundry industry in Gauteng". 04th International Science & Technology Conference & International Distance Education Conference. 2013. ISTEC. ISBN. 2146-7382

Joseph Meera M and Ogra Aurobindo A. "ICT reforms and citizen service delivery: lessons from municipal ICT applications". 14th Annual Global Information Technology Management Association World Conference. 2013. Ivy League Publishing. ISBN. 1947-4822

Joseph Meera M and Varachia Mohamed MF. "Technologies for SME development: focus Rustenburg incubator". 04th International Science & Technology Conference & International Distance Education Conference. 2013. ISTEC. ISBN. 2146-7382

Kabuba John JT, Mulaba Antoine A, Muzenda Edison E and Ntuli Freeman F. "Investigation of Cu (II) removal from synthetic solution by ion exchange using South African clinoptilolite". World Congress on Engineering and Computer Science: Advances in Engineering Technologies and Physical Science (WCECS 2011) (Published 2013) . 2013. Springer. ISBN. 978-94-007-4785-2

Kamjom Bebongchu Pascal PA, Ferreira Hendrik HC, Heymann Reolyn R and Ndjiongue Alain Richard AR. "Framework to establish a simplex communication system over a power-line using load signatures". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Kanjee Ritesh R, Bachoo A and Carroll Johnson J. "Vision-based adaptive cruise control using pattern matching". 06th Robotics and Mechatronics Conference. 2013. IEEE. ISBN. 978-1-4799-1518-7

Kholopane Pule PA. "The effect on productivity of the coupling of total productive manufacturing (TPM) principles to lean manufacturing". 22nd International Conference on Management of Technology: Science, Technology and Innovation in the Emerging Market Economies. 2013. IAMOT. ISBN. 0-9815817-6-5

Kholopane Pule PA and Nhlabathi Gift Sizwe GS. "Using manufacturing Kaizen to improve a manufacturing process". Portland International Center for Management of Engineering and Technology: Technology Management in the IT-Driven Services. 2013. PICMET. ISBN. 1-890843-28-8

Kigozi Robert R, Aboyade A and Muzenda Edison E. "Biogas production using the organic fraction of municipal solid waste as feedstock". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Kommula Venkata Parasuram VP, Kanchireddy Obi Reddy K, Marwala Tshilidzi T and Shukla Mukul M. "Morphology and chemical resistance of Napier grass fibre strands/epoxy resin composites". 13th Biennial Conference of Botswana Institution of Engineers. 2013. BIE. ISBN. 978-99912-0-910-4

Kruger Sunita S, Janse van Rensburg Nicoleen N, Kin Warrick W and Pretorius L. "Numerical assessment of the aerodynamic properties of a solar vehicle". ASME International Mechanical Engineering Congress and Exposition. 2013. IMECE. ISBN. 978-0-7918-5641-3

Kruger Sunita S and Pretorius L. "The effect of bench arrangements on the natural ventilation of a multispan greenhouse". ASME International Mechanical Engineering Congress and Exposition . 2013. ASME. ISBN. 978-0-7918-5634

Kruger Sunita S and Pretorius L. "The effect of vertical and horizontal partitions on natural convection in a heated enclosure". ASME 2013 Summer Heat Transfer Conference. 2013. American Society for Mechanical Engineers. ISBN. 978-0-7918-5550-8

Kuthadi Venu VM, Marwala Tshilidzi T, Ranjan Abhishek A and Selvaraj Rajalakshmi. "Detection and avoidance of routing attack in mobile ad-hoc network using intelligent node". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Lo Giudice Agata A, Clasadonte MT and Mbohwa Charles C. "Life cycle inventory (LCI) analysis of the Sicilan artistic and traditional ceramics as a tool for sustainable manufacturing". 11th Global Conference on Sustainable Manufacturing: Innovative Solutions. 2013. Universitatsverlag der TU Berlin. ISBN. 978-3-7983-2609-5

Mabona Nomfundu Yolanda, Mguni Liberty LL, Mollagee Mohamed MM and Muzenda Edison E. "Non-distillation oil extraction from SCG using ethanol and propan-2-ol". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN.978-93-82242-51-2

Madonsela Nelson Sizwe NS, Mbecke P and Mbohwa Charles C. "Improving the South African manufacturing sector's competitiveness through the adequate use of ICT". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Mahamood Rasheedat Modupe RM, Akinlabi Esther ET, Pityana S and Shukla Mukul M. "Gas flow rate and powder flow rate effect on properties of laser metal deposited Ti6A14V". International Multi-Conference of Engineers and Computer Scientists. 2013. International Association of Engineers. ISBN. 978-988-19252-6-8

FACULTY RESEARCH REPORTS

Mahamood Rasheedat Modupe RM, Akinlabi Esther ET, Pityana S and Shukla Mukul M. "Laser metal deposition of Ti6A14V: a study on the effect of laser power on micro structure and micro-hardness". International Multi-Conference of Engineers and Computer Scientists. 2013. International Association of Engineers. ISBN. 978-988-19252-6-8

Mahamood Rasheedat Modupe RM, Akinlabi Esther ET, Pityana S and Shukla Mukul M. "The role of traverse speed on deposition height and material efficiency in laser deposited titanium alloy" International Multi-Conference of Engineers and Computer Scientists. 2013. International Association of Engineers. ISBN. 978-988-19252-6-8

Makhatha Mamookho ME, Lamya R and Nheta Willie W. "Quantitative leaching of nickel from jarosite using sulphuric acid". 23rd International Mining Congress and Exhibition of Turkey. 2013. TMMOB Maden Muhendisleri Odasi . ISBN. 978-605-01-0467-7

Manyere Peter P and Nel Andre AL. *"Image recovery by 2-D least mean square adaptive method"*. IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Mapokgole Johannes Bekane JB and Mbohwa Charles C. "Evaluating performance of production scheduling from an economic perspective". 06th IFAC/ACM Conference on Management and Control of Production and Logistics. 2013. International Federation of Automatic Control ISBN. 978-3-902823-50-2

Mapokgole Johannes Bekane JB and Mbohwa Charles C. "The art of managing production disruptions in pump industry through visual management". 06th IFAC/ACM Conference on Management and Control of Production and Logistics. 2013. International Federation of Automatic Control. ISBN. 978-3-902823-50-2

Mareli Mahlaku M, Chinnappen Suvendi S, Ouahada Khmaies K, Paul Babu BS and Pitsillides A. "Experimental evaluation of NFC reliability between an RFID tag and a smartphone". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE . ISBN. 978-1-4673-5943-6

Masebinu Samson Oluwasrgun SO, Aboyade A and Muzenda Edison E. "Enrichment of biogas for use as vehicular fuel: a review of the upgrading techniques". International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM 2013) 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Maumela Joshua JT, Marwala Tshilidzi T and Nelwamondo Fulufhelo FV. "Condition monitoring of transformer bushings using rough sets, principal component analysis and granular computation as preprocessors". IEEE International Conference on System Science and Engineering. 2013. IEEE. ISBN. 978-1-4799-0009-1

Mbohwa Charles C and Mugwindiri K. "Availability performance improvement by using autonomous maintenance: the case of a developing country, Zimbabwe". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers. ISBN. 978-988-19251-0-7

Mbohwa Charles C and Motebele MM. "Employee empowerment to improve organizational effectiveness at South African universities". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI. 2013. WASET. ISBN. 2010-376X

Mbohwa Charles C. "Energy management in the South African sugar industry". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I 2013. International Association of Engineers. ISBN. 978-988-19251-0-7

Mbohwa Charles C and Madanhire I. "Enhancing cleaner production practices in downstream petroleum lubricants industry". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Mbohwa Charles C and Motebele MM. *"Improving company throughput at a South African company"*. International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI. 2013. WASET. ISBN. 2010-376X

Mbohwa Charles C. "Life-cycle assessment of a coal-fired old thermal power plant". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers. ISBN. 978-988-19251-0-7

Mbohwa Charles C and Dladla M. "Role of metered taxis in the integrated and sustainable public transportation system in Durban". International Conference on Chemical, Mining and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Mbohwa Charles C and Nyambe Bangixhanti Gift Siyambulela BGS. "South Africa's industrial expansion – the role of technology transfer". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI. 2013. WASET. ISBN. 2010-376X

Mbohwa Charles C and Mudiwakure Alexander AP. "Sustainable and ecological designs of the built environment". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 76 Part VIII. 2013. WASET. ISBN. 1307-6892

Mbohwa Charles C and Mudiwakure Alexander AP. "The status of used vegetable oil (UVO) biodiesel production in South Africa". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers. ISBN. 978-988-19251-0-7

Mbohwa Charles C and Motebele MM. "Wellness programs with a view to improvement in operational performance at a South African food manufacturer". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 83 Part VI. 2013. WASET. ISBN. 2010-376X

Mbuyi Noella M, Adams Feyisayo FV, Mbuyi Noella M and Mulaba Antoine A. "Polarization and potentiometric studies of cobalt and copper oxidised ores in ammonium chloride medium". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Mhlanga Samson S, Chikowore T, Nyakudya R and Nyanga L. "A decision support tool for rural electrification grid design". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN.978-14673-4569-9 Mhlanga Samson S, Gwangwava N, Mpofu K, Mwoyongewenyu B, Nyanga L and Van der Merwe AF. "A framework for technology transfer decision support system (TTDSS)". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE . ISBN. 978-0-7972-1450-7

Mhlanga Samson S, Matope S, Moyo VS, Mugwagwa L and Phuthi N. "Academic staff development strategies in engineering fields of study: case study of Zimbabwe". 02nd Biennial Conference of the South African Society for Engineering Education. 2013. SASEE. ISBN. 978-0-620-57123-4

Mhlanga Samson S, Matope S, Nyanga L, Rupare WF and Van der Merwe AF. "Design of an automated grinding media charging system for ball mills". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mhlanga Samson S, Garikayi T, Kuipa PK, Mushiri T and Nyanga L. "Designing of an intelligent fuzzy logic system for accretion prevention in sponge iron SL/RN rotary kiln based 100TPD DRI process". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mhlanga Samson S, Goriwondo W, Mbohwa Charles C, Pretorius Jan JHC and Sibanda V. "Freight traffic planning and rolling stock scheduling management tool". International Conference on Chemical, Mining and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Mhlanga Samson S, Chiduwa AC, Kanyemba G, Nyanga L and Van der Merwe AF. "Investigation of the effects of lubricant fat content on drawn copper wires". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mhlanga Samson S, Garikayi T, Mushiri T, Mutangi T, Muzinda A and Nyanga L. "Model reference adaptive control system for moisture regulation in cotton ginning". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mhlanga Samson S, Gunda L, Nkiwane F, Nyanga L and Nyathi M. "Telemetric data logger and monitor for mining vehicles". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mhlanga Samson S, Mbohwa Charles C and Pretorius Jan JHC. "Transportation demand analysis of coal from Hwange Coal Fields". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers (IAENG). ISBN. 978-988-19251-0-7

Mogodi Maphefo K, Fester Ferdinand FC and Musonda Innocent I. "Dominant factors hampering full participation of female contractors in the South African construction industry". 07th Built Environment Conference. 2013. Association of Schools of Construction of South Africa. ISBN. 978-0-620-55984-3

Mojapelo Nancy Raesibe, Mguni Liberty LL, Mollagee Mohamed MM and Muzenda Edison E. "Effect of moisture quantity on non-distillation oil extraction from SCG using methanol". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Mokoena Thabiso John TJ and Mbohwa Charles C. "Investigating performance management in postal systems". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers (IAENG). ISBN. 978-988-19251-0-7

Mokoena Tshweu Samuel TS, Pretorius Jan JHC and Van Wyngaard Charles Jurie CJ. "Triple constraint considerations in the management of construction projects". IEEE International Conference on Industrial Engineering and Engineering Management. 2013. IEEE. ISBN. 978-1-4799-0986-5

Mubiayi Mukuna Patrick MP. "Characterization of sandstones: mineralogy and physical properties". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol III. 2013. International Association of Engineers (IAENG). ISBN. 978-988-19252-9-9

Mubiayi Mukuna Patrick MP and Akinlabi Esther ET. "Friction stir welding of dissimilar materials between aluminium alloys and copper: an overview". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol III. 2013. International Association of Engineers (IAENG). ISBN. 978-988-19252-9-9

Mubiayi Mukuna Patrick MP and Akinlabi Esther ET. "Friction stir welding of dissimilar materials: an overview". International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2013) WASET Issue 76 Part VII. 2013. WASET. ISBN. 2010-376X

Muganyi Peter P and Mbohwa Charles C. "Shutdown maintenance drivers under an integrated and business focused maintenance system". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering . 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Mukuka Mulenga MJ, Aigbavboa Clinton CO and Thwala Wellington WD. "Construction professionals' perception on the causes and effects of project delay in Lusaka, Zambia". SB13 Southern Africa Conference: Creating a Resilient and Regenerative Built Environment (SB13). 2013. Central University of Technology (CUT). ISBN. 978-1-920508-23-4

Mulaba Antoine A and Makgamatha KA. "Evaluation of ceramic media wear characteristics on the M100 Isa mill". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Mulaba Antoine A, Adams Feyisayo FV and Makgamatha Andrew AK. "Potentiodynamic polarisation and chronopotentiometric studies of cobalt-copper oxidised ore in sulphuric acid". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Mulaba Antoine A, Anyimadu A, Bolha W, Mbuyi Noella M and Randigwane Anna M. "Technological assessment of product screens (137sc16/17) performance". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Musakwa Walter W, Mbinza Zenzile ZE and Van Niekerk A. "Developing an urban sustainability toolbox using earth observation data and GIS for monitoring rapid urbanisation in developing countries". 49th ISOCARP Congress 2013. ISOCARP. ISBN. 978-94-90354-22-0 Mushavhanamadi Khathutshelo K and Mbohwa Charles C. "The impact of enterprise resource planning system (ERP) in a South African company". International Conference on Industrial Engineering and Operations Management. 2013. WASET. ISBN. 2010-376X

Musonda Innocent I, Haupt Theodore TC and Pretorius Jan JHC. "Improving health and safety culture: a guide for construction clients". 07th International Conference on Construction in the 21st Century: Challenges in Innovation, Integration & Collaboration in Construction & engineering. 2013. CITC-VII. ISBN. 978-0-9894623-0-3

Musonda Innocent I, Haupt Theodore TC and Pretorius Jan JHC. "Investigating the role of the external environment to influence clients' health and safety (H&S) performance in the construction industry". 19th CIB World Building Congress: Construction and Society. 2013. Queensland University of Technology. ISBN. 978-0-9875542-0-8

Mutingi Michael M, Mbohwa Charles C and Mhlanga Samson S. "A dynamic simulation of a lean and agile manufacturing system". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Mutingi Michael M, Mapfaira H, Mbohwa Charles C and Mhlanga Samson S. "A framework for developing performance measurement systems for "green" supply chain management strategies". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet . 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Mutingi Michael M and Mbohwa Charles C."A fuzzy particle swarm optimization approach for task assignment in home healthcare". IEEE International Conference on Industrial Engineering and Engineering Management. 2013. IEEE. ISBN. 978-1-4799-0986-5

Mutingi Michael M and Mbohwa Charles C. "A fuzzy simulated evolution algorithm for multiobjective home-care worker scheduling". IEEE International Conference on Industrial Engineering and Engineering Management. 2013. IEEE. ISBN. 978-1-4799-0986-5

Mutingi Michael M and Mbohwa Charles C. "A home healthcare multi-agent system in a multiobjective environment". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mutingi Michael M, Matope S, Nyanga L, Van der Merwe AF and Vlok PJ. "Development of a resource agent for an e-manufacturing system". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Mutingi Michael M, Baiphisi D and Kommula Venkata Parasuram VP. "Discrete-event simulation for green supply chain management: a conceptual framework". 07th International Conference on Intelligent Systems and Control. 2013. Allied Publishers Pvt Ltd. ISBN.978-1-4673-4601-6

Mutingi Michael M and Matope S. "Dynanics of information technology adoption in a complex environment". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

Mutingi Michael M, Dube Partson P and Mapfaira H. "Grouping genetic algorithm for industrial engineering applications". 13th Biennial Conference of Botswana Institution of Engineers (BIE). 2013.BIE. ISBN. 978-99912-0-910-4

Mutingi Michael M and Mbohwa Charles C. "Home care staff planning and scheduling: an integrated operations management perspective". 13th Biennial Conference of Botswana Institution of Engineers. 2013. BIE. ISBN. 978-99912-0-910-4

Mutingi Michael M and Mbohwa Charles C. "Home healthcare staff scheduling: a taxonomic state-of-the art review". IEEE International Conference on Industrial Engineering and Engineering Management. 2013. IEEE. ISBN. 978-1-4799-0986-5

Mutingi Michael M and Mbohwa Charles C. "Home healthcare worker scheduling: a group genetic algorithm approach". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers (IAENG). ISBN. 978-988-19251-0-7

Mutingi Michael M and Matope S. "System dynamics of renewable energy technology adoption" IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

Mutingi Michael M, Mapfaira H, Mbohwa Charles C and Mhlanga Samson S. "System dynamics simulation for strategic green supply chain management". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Mutingi Michael M and Mapfaira H. "System reliability optimization: a fuzzy genetic algorithm approach". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Mutingi Michael M and Mbohwa Charles C. "Task assignment in home health care: a fuzzy group genetic algorithm approach". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Muyengwa Goodwell G and Dube Partson P. "Managing transition from a small to a large business: the case of a drill rod manufacturer". 25th Annual South African Institute for Industrial Engineering Conference (SAIIE25). 2013. SAIIE. ISBN. 978-0-7972-1450-7

Muyengwa Goodwell G, Battle Kimberly KJ, Dube Partson P and Mbohwa Charles C. "Technological capability assessment: case studies of SMMES operating in the South African motor body repair sector". 06th International Conference on Engineering and Business Education. 2013. University of Wismar, Germany. ISBN. 978-3-942100-03-8

Muzenda Edison E. "A critical discussion of volatile organic compounds recovery techniques". 02nd International Conference on Computer, Electrical, Electronics & Biomedical Engineering (ICCEEBE 2013) & 02nd International Conference on Management, Sociology & Environment Engineering (ICMSEE 2013). 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-35-2

Muzenda Edison E, Abdulkareem AS and Afolabi AS. "Effect of pH on the floatability of base metal sulphides PGMs". World Congress on Engineering and Computer Science: Advances in Engineering Technologies and Physical Science (WCECS 2011)(Published 2013). Springer. ISBN. 978-94-007-4785-2

FACULTY RESEARCH REPORTS

Muzenda Edison E. "From UNIQUAC to modified UNIFAC dortmund: a discussion". 03rd International Conference on Law, Education, Transport and Environment Engineering & 03rd International Conference on Image Processing, IT, Mechanical and Electronics Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-61-1

Muzenda Edison E. "Interactions of polar and non-polar volatile organic compounds with methyl ester solvents". 03rd International Conference on Law, Education, Transport and Environment Engineering & 03rd International Conference on Image Processing, IT, Mechanical and Electronics Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-61-1

Muzenda Edison E, Abdulkareem AS, Afolabi AS, Jimoh A and Okanwanyi JJ. "Performance evaluation of solid oxide fuel cell by computer simulation". 03rd Biennial Engineering Conference: Challenges in Energy Supply and Infrastructural Development in Developing Countries. 2013. Federal University of Technology. ISBN. 978-978-924-639-7

Muzenda Edison E. "Perspectives on integrated waste management: a case study for 2 West Rand district municipalities, Gauteng, South Africa". International Conference on Emerging Trends in Engineering and Technology. 2013. International Institute of Engineers. ISBN. 987-93-82242-52-9

Muzenda Edison E, Abdulkareem AS and Afolabi AS. "Reagent optimization across a UG2 plant". International Conference of Applied Engineering Mathematics (ICAEM 2013) (WCE 2013) Vol I. 2013. International Association of Engineers. ISBN. 978-988-19251-0-7

Muzenda Edison E. "Recycling situation in South Africa: a discussion". 02nd International Conference on Computer, Electrical, Electronics & Biomedical Engineering & 02nd International Conference on Management, Sociology & Environment Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-35-2

Muzenda Edison E, Abdulkareem AS, Afolabi AS, Jimoh A and Oyesegun OR. "Theoretical mathematical modeling and computer simulation of direct methanol fuel cell (DMFC)". World Congress on Advances in Nano, Biomechanics, Robotics and Energy Research. 2013. Trans Tech Publications Inc. ISBN. 978-89-89693-36-9-93420

Muzenda Edison E. "Volatile organic compounds - PDMS interactions: a thermodynamic study Part 1". 03rd Biennial Engineering Conference: Challenges in Energy Supply and Infrastructural Development in Developing Countries . 2013. Federal University of Technology, Minna. ISBN. 978-924-639-7

Muzenda Edison E, Afolabi AS and Belaid Mohamed M. "Volatile organic compounds - PDMS interactions: a thermodynamic study Part 2". 03rd Biennial Engineering Conference: Challenges in Energy Supply and Infrastructural Development in Developing Countries . 2013. Federal University of Technology, Minna. ISBN. 978-978-924-639-7

Muzenda Edison E and Belaid Mohamed M. "Volatile organic compounds abatement: a critical discussion of destruction techniques" 02nd International Conference on Recent Innovations in Engineering & Technology & 02nd International Conference on Humanities, Biological & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-32-4

Mvudi Nlasa NY and Pretorius Jan JHC. "Influence of water pressure in the evaluation of energy savings achieved through the use of low flow shower heads". 10th Conference on the Industrial and Commercial Use of Energy: Towards Sustainable Energy, Solutions for the Developing World (ICUE). 2013. Cape Peninsula University of Technology (CPUT). ISBN. 978-0-9922041-1-2

Mvudi Nlasa NY, Pretorius Jan JHC and Pretorius L. "Knowledge-based engineering: an efficient method for knowledge processing". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Ndjiongue Alain Richard AR, Della Tamin Michelin M, Ferreira Hendrik HC and Snyders Abraham AJ. "H-bridge inverter as part of the communication channel for deploying power-line communications over solar photovoltaic energy system". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Nel Andre AL and Bidgood PM. "Comparison of second and third order wind tunnel balance calibration models using Monte Carlo to propagate elemental errors from calibration to installation", 51st AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition. 2013. AIAA. ISBN. 978-1-62748-194-6

Nel Andre AL. "Polar rectification of stereo images implemented on a GPU". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Nemarumane Takalani TM and Mbohwa Charles C. "Social impact assessment of sugar production operations in South Africa: a social life cycle assessment perspective". 20th CIRP International Conference on Life Cycle Engineering: Re-engineering Manufacturing for Sustainability. 2013. Springer. ISBN. 978-981-4451-47-5

Neuhaus Taryn Antonia TA and Nel Andre AL. "Modeling the civil litigation process in South Africa using game theory". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Ngandu Kabeya Gilbert KG, Chinnappen Suvendi S, Nomatungulula Siasla SC, Ouahada Khmaies K, Paul Babu BS and Twala Bhekisipho B. "Evaluating effect of foliage on link reliability of wireless signal". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4568-2

Nkomo Morena MW and Thwala Wellington WD. "An empirical study of problems facing construction companies in the retention of employees". 02nd International Conference on Infrastructure Development in Africa. 2013. Department of Construction Management & Quantity Surveying, University of Johannesburg. ISBN. 978-0-620-54070-4

Nkomo Morena William MW and Thwala Wellington WD. "Assessment of mentoring of construction workers in the South African construction industry: a literature review". International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5 Nkosi Nhlanhla NP, Muzenda Edison E and Zvimba J. *"Using tyre derived fuel: an analysis of the benefits"*. International Conference on Emerging Trends in Engineering and Technology. 2013. International Institute of Engineers. ISBN. 978-93-82242-52-9

Nkosi Nhlanhla Phillipa NP, Muzenda Edison E and Zvimba J. "An analysis of the waste tyre management plans in South Africa". International Conference on Innovations in Engineering and Technology. 2013. International Institute of Engineers. ISBN. 978-93-82242-60-4

Nkosi Nhlanhla Phillipa NP and Muzenda Edison E. "Waste management participants: a South African perspective". 03rd International Conference on Law, Education, Transport and Environment Engineering & 03rd International Conference on Image Processing, IT, Mechanical and Electronics Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-61-1

Ntuli Freeman F, Falayi Thabo T and Molala Matlosha Panolepe. "Adsorption of Cu and Ni from AMD using activated bentonite". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Ntuli Freeman F, Falayi Thabo T, Mhlungu Mbalenhle and Thifhelimbilu Portia. "Extraction and precipitation of phospherous from sewage sludge: a feasability study". 03rd International Conference on Law, Education, Transport and Environment Engineering & 03rd International Conference on Image Processing, IT, Mechanical and Electronics Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-61-1

Ntuli Freeman F, Dlamini Thabani and Falayi Thabo T. "Thermally activated attapulgite as an adsorbent for heavy metals". 03rd International Conference on Law, Education, Transport and Environment Engineering & 03rd International Conference on Image Processing, IT, Mechanical and Electronics Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-61-1

Nyembe Dumsile DW, Mpanza Z and Nel Hannelie H. "Investigating the impact of poor utilization of quality management system in a South African foundry". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0-7972-1450-7

Nyembwe Kasongo K, Bhero Shepherd SW, De Beer D and Van der Walt JG. "Analysis of the manufacturing time and cost of tool and die making by metal casting in rapid prototyping sand moulds". CastExpo 2013 & 117th Metalcasting Congress. 2013. American Foundry Society. ISBN. 978-0-87433-403-6

O Maker Robert Michael RM, Aigbavboa Clinton CO and Thwala Wellington WD. "Quality management practices among housing contractors: a literature review". 02nd International Conference on Infrastructure Development in Africa. 2013. Department of Construction Management & Quantity Surveying, University of Johannesburg. ISBN. 978-0-620-54070-4

Ogbeifun Edoghogho E, Mbohwa Charles C and Pretorius Jan JHC. "Managing end-users' satisfaction during capital developments by adopting value engineering as project management tool". West Africa Built Environment Research Conference. 2013. WABER. ISBN. 978-0-9566060-6-8

Ogra Aurobindo A and Onatu George Okechukwu GO. "Metropolitan housing development in urban fringe areas - a case study of three metropolitan cities of South Africa: Johannesburg, Ekurhuleni and Tshwane". 02nd International Conference on Infrastructure Development in Africa. 2013. Department of Construction Management and Quality Surveying, University of Johannesburg. ISBN. 978-0-620-54070-4

Ogra Aurobindo A. "Mobile solutions and applications for smart government". 08th International Forum on Knowledge Asset Dynamics: Smart Growth -Organizations, Cities and Communities. 2013. IFKAD. ISBN. 978-88-96687-01-7

Ojo Elizabeth Motunrayo EM, Akinlabi Esther ET and Mbohwa Charles C. "Green supply chain management in developing countries". SB13 Southern Africa Conference: Creating a Resilient and Regenerative Built Environment (SB13). 2013. Central University of Technology (CUT). ISBN. 978-1-920508-23-4

Ojo Elizabeth Motunrayo EM, Akinlabi Esther ET and Mbohwa Charles C. "Sustainable supply chain management in construction firms". West Africa Built Environment Research Conference. 2013. WABER. ISBN.978-0-9566060-6-8

Onatu George Okechukwu GO. "Factors affecting progress of South African planning student's in problem-based learning: a contextual approach based on work integrated learning experience". 18th World Conference on Cooperative and Work-Integrated Education: "WIL-power - Fueling the Future Workforce". 2013. WACE. ISBN. 2152-0518

Oosthuizen Gert GA, Conradie PJT and Dimitrov D. "A process planning framework for milling of titanium alloys". International Conference on Competitive Manufacturing: Green Manufacturing for a Blue Planet. 2013. Global Competitiveness Centre in Engineering. ISBN. 978-0-7972-1405-7

Oosthuizen Gert GA, Butala P and Vrabic R. "Distributed manufacturing systems and the internet of things: a case study". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0-7972-1450-7

Oosthuizen Gert GA, Gerhold Tristan John TJ and Hagendorn-Hansen Devon D. "Evaluation of rapid product development technologies for production of prosthesis in developing communities". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0.7972-1450-7

Oosthuizen Gert GA and Jura Dudley D. "Management and control of complexity in clustering for value creation in sustainable societies". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0-7972-1450-7

Oosthuizen Gert GA, Butala P, Skulj G and Vrabic R. "Robotics competitions as motivator for project oriented learning in mechatronics". 06th Robotics and Mechatronics Conference. 2013. IEEE. ISBN. 987-1-4799-1518-7

Oosthuizen Gert GA and Uys Johannes Wilhelm JW. "The social dimension of open design". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0-7972-1450-7

Oosthuizen Gert GA, Laubscher Rudolph RF, Mulumba Kaniki Joel KJ and Tayisepi Nicholas N. "Towards energy management during the machining of titanium alloys". 25th Annual South African Institute for Industrial Engineering Conference. 2013. SAIIE. ISBN. 978-0-7972-1450-7 Pan Xiaowei X. "System integration of automated mine optimization system". 15th IFAC Symposium on Control, Optimization and Automation in Mining, Mineral & Metal Processing 2013. International Federation of Automatic Control (IFAC). ISBN. 978-3-902823-36-6

Paul Babu BS and Chinnappen Suvendi S. "Maximal ratio combining in N dual-hop nakagami-m faded relay branches". IEEE Annual India Conference. 2013. IEEE. ISBN. 978-1-4799-2275-8

Paul Babu BS and Chinnappen Suvendi S. "Wireless sensor node placement due to power loss effects from surrounding vegetation". 09th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness. 2013. Springer. ISBN. 978-3-642-37948-2

Pentz David DC. "Overview of helical foil winding design for planar magnetic components: Part 1 - transformer design". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

Pentz David DC. "Overview of helical foil winding design for planar magnetic components: Part 2 - dc-filter inductors". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

Pheko Given T, Belaid Mohamed M, Mateescu CM and Muzenda Edison E. "Diisononyl phthalate - organics interactions: a phase equilibrium study using modified UNIFAC models". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Phillips Kaylin K, Bauer Magret M, Carroll Johnson J, Gruszka Bartosz Marian and Maharaj O. "Connecting industrial automation software to a discrete manufacturing plant model for research and education". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Pieterse Frederik FF and Bidgood PM. "Conceptual design of a six-component internal balance using optical fibre sensors". 51st AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition. 2013. AIAA. ISBN. 978-1-62748-194-6

Pieterse Frederik Francois FF and Nel Andre AL. "Teaching graphical communication to first year engineering students". IEEE Global Engineering Education Conference: Synergy from Classic and Future Engineering Education. 2013. IEEE. ISBN. 978-1-4673-6110-1

Pilusa Tsietsi Jefrey TJ and Muzenda Edison E. "Benefication of pyrolitic carbon black". International Conference on Human Resource Management (ICHRM 2013) WASET Issue 82 Part VIII. 2013. WASET. ISBN. 2010-376X

Pilusa Tsietsi Jefrey TJ, Muzenda Edison E and Shukla Mukul M. "Economic assessment of waste tyres pyrolysis technology: a case study for Gauteng province, South Africa". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Pilusa Tsietsi Jefrey TJ and Muzenda Edison E. "Effect of fuel filtration on CI performance, emissions and fuel consumption". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Pilusa Tsietsi Jefrey TJ, Muzenda Edison E and Shukla Mukul M. "Investigation of single pass filtration of tyre derived fuel-diesel blend". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Pilusa Tsietsi Jefrey TJ, Muzenda Edison E and Shukla Mukul M. "Pyrolitic tyre derived fuel: a review". International Conference on Chemical, Mining and Metallurgical Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-50-5

Pilusa Tsietsi Jefrey TJ and Muzenda Edison E. "Solid waste management in West Rand district, Gauteng, South Africa". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Pilusa Tsietsi Jefrey TJ, Muzenda Edison E and Shukla Mukul M. *"Tyre derived fuel as an alternative fuel for CI engines"*. 02nd International Conference on Machine Learning, Electrical, Electronics & Mechanical Engineering & 02nd International Conference on Agriculture, Environment and Humanities Engineering. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-36-9

Pilusa Tsietsi TJ, Muzenda Edison E and Shukla Mukul M. "Molecular filtration of rubber derived fuel". 02nd International Conference on Machine Learning, Electrical, Electronics & Mechanical Engineering & 02nd International Conference on Agriculture, Environment and Humanities Engineering. 2013. Planetary Scientific Research Centre. ISBN.978-93-82242-36-9

Pilusa Tsietsi TJ and Muzenda Edison E. "Pyrolytic tyre derived fuel: potential diesel additive". International Conference on Emerging Trends in Engineering and Technology. 2013. International Institute of Engineers. ISBN. 978-93-82242-52-9

Pretorius Jan JHC, Benade Siebert J and Pretorius L. "A systems dynamics approach to technology interaction including cyclic behaviour". Portland International Center for Management of Engineering and Technology: Technology Management in the IT-Driven Services. 2013. PICMET. ISBN. 1-890843-28-8

Ramoshaba Bridget Tumelo Nono BTN, Aigbavboa Clinton CO and Thwala Wellington WD. "Low income housing development programmes in South Africa". 02nd International Conference on Infrastructure Development in Africa. 2013. Department of Construction Management & Quantity Surveying, University of Johannesburg. ISBN. 978-0-620-54070-4

Rassaki Abdoul A and Nel Andre AL. "Quality of service in MPLS networks" 15th IASTED International Conference on Control and Applications. 2013. ACTA Press (Zurich, Calgary, Anaheim). ISBN. 978-0-88986-958-5

Robinson Philip PE, Robinson Philip PE and Roodt Yunko Y. "Blind deconvolution of Gaussian blurred images containing additive white Gaussian noise". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4568-2 Sanya Timothy TO, Ferreira Hendrik HC and Swart Theodorus TG. "Frequency optimization for narrow-band power-line communications". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Scheepers Jacques Johan JJ and Muzenda Edison E. "Intermolecular dynamics between alcohols and fatty acid ester solvents". International Conference on Human Resource Management (ICHRM 2013) WASET Issue 82 Part VIII. 2013. WASET. ISBN. 2010-376X

Scheepers Jacques Johan JJ and Muzenda Edison E. "Temperature dependence of limiting activity coefficients in C18 ester solvents: Part 1". International Conference on Emerging Trends in Engineering and Technology. 2013. International Institute of Engineers. ISBN. 978-93-82242-52-9

Scheepers Jacques Johan JJ and Muzenda Edison E. "Temperature dependence of limiting activity coefficients in C18 ester solvents: Part 2". International Conference on Emerging Trends in Engineering and Technology. 2013. International Institute of Engineers. ISBN. 978-93-82242-52-9

Schoeman Stephanus SJ and Carroll Johnson J. "A combined energy system model for solar racers". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN.978-1-4673-5943-6

Sebola Mmabyalwa MR, Aboyade A, Mokgatle Lebogang L and Muzenda Edison E." Solid waste quantification for the University of Johannesburg's waste to energy project". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Sebola Rebecca, Muzenda Edison E and Pilusa Tsietsi Jefrey TJ. "Characteristics of tyre derived fuel-diesel blends". 03rd International Conference on Law, Education, Transport and Environment Engineering & 03rd International Conference on Image Processing, IT, Mechanical and Electronics Engineering. 2013. Planetary Scientific Research Centre. ISBN.978-93-82242-61-1

Seodigeng Tumisang TG and Muala Guida G. "Optimal reactor network for methanol synthesis using RCC algorithm for attainable regions analysis". International Conference on Advances in Engineering Sciences and Applied Mathematics. 2013. International Institute of Engineers. ISBN. 978-93-82242-51-2

Shipman William WJ, Chetty D and Nel Andre AL. "A multi-GPU implementation of diffusion operators within 3D volumes". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Shipman William WJ, Chetty D, Lin Chen-Luh, Miller Jan D and Nel Andre AL. "The application of machine learning to the problem of classifying voxels in X-ray microtomographic scans of ineralogical samples". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4568-2

Shongwe Thokozani TC and Vinck AJH. "Interleaving and nulling to combat narrow-band interference in PLC standard technologies PLC G3 and PRIME". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Shongwe Thokozani TC, Ferreira Hendrik HC and Swart Theodorus TG. *"Multiple access with distance preserving mappings for permutation codes"*. IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Shongwe Thokozani TC. "Narrow-band interference model for OFDM systems for power-line communications" 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Shongwe Thokozani TC, Ferreira Hendrik HC and Vinck AJ. "Reducing the probability of sync-word false acquisition with Reed-Solomon codes". IEEE Pacific Rim Conference on Communications, Computers and Signal Processing: Advancing Technology for Humanities. 2013. IEEE. ISBN. 978-1-4799-1501-9

Sibiya Mandisa, Aigbavboa Clinton CO and Thwala Wellington WD. "Barriers to informal settlements upgrading in the Gauteng province of South Africa". 02nd International Conference on Electrical, Electronics, Mechanical & Systems Engineering & 02nd International Conference on Arts, Applied Sciences, Medical & Environmental Sciences. 2013. Planetary Scientific Research Centre. ISBN. 978-93-82242-54-3

Simpson Zachary ZS. "Civil engineering work as social semiotic work: a theoretical view of teaching and learning". 02nd Biennial Conference of the South African Society for Engineering Education. 2013. SASEE. ISBN. 978-0-620-57123-4

Sinha Saurabh S, Bebwele PR and Mouton C. "An EPICS-in-IEEE initiative: learners of St Alban's College and students of the University of Pretoria seek earth observation solutions through airquality micro-sensing". 03rd Global Humanitarian Technology Conference. 2013. IEEE. ISBN. 978-1-4799-2402-8

Sinha Saurabh S and Stander T. "Entrepreneurship as an IEEE workforce development theme". 03rd Global Humanitarian Technology Conference. 2013. IEEE. ISBN. 978-1-4799-2402-8

Sithole Silence, Mbuli Ephraim Nhlanhla EN and Pretorius Jan JHC. "Voltage regulation in the Douglas area using shunt capacitor banks and controllable shunt reactors". 13th International Conference on Environment and Electrical Engineering. 2013. IEEE. ISBN. 978-1-4799-2802-6

Snyders Abraham AJ, Ferreira Hendrik HC and Janse van Rensburg P A. "A coupling strategy with automatic time diversity to counter rectifier impulsive noise". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Sumbwanyambe Mbuyu M and Nel Andre AL. "A dynamic spectrum allocation with price policy intervention". South African Telecommunications Networks and Applications Conference. 2013. SATNAC. ISBN. 978-0-620-57883-7

Sumbwanyambe Mbuyu M and Nel Andre AL. "Assessing the implications of SIM card registration policy in the SADC region". IST - Africa Conference and Exhibition. 2013. IEEE. ISBN. 978-1-905824-38-0

Sumbwanyambe Mbuyu M and Nel Andre AL. "Subsidy, revenue and tragedies in heterogeneous communities". International Multi-Conference of Engineers and Computer Scientists: Advances in Engineering Technologies and Physical Science (IMECS 2012) (Published 2013).Springer. ISBN. 978-94-007-5623-6

FACULTY RESEARCH REPORTS

Swart Theodorus TG, Cheng L and Ferreira Hendrik HC. "Adaptive rateless permutation coding scheme for OFDM-based PLC". 17th IEEE International Symposium on Power Line Communications and its Applications. 2013. IEEE. ISBN. 978-1-4673-6016-6

Swart Theodorus TG and Immink KAS. "Prefixless q-ary balanced codes with ECC". IEEE Information Theory Workshop. 2013. IEEE. ISBN. 978-1-4673-0223-4

Tagatio Mawafo Josette JC, Clarke Willem Adriaan WA and Robinson Philip PE. "Identification of facial features on android platforms". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4568-2

Thwala Wellington WD, Ajagbe MA, Aslan SA, Ismail K and Long CS. "Selection criteria for financing young firms using debt options". International Engineering & Management Conference 2012 (Published 2013). Universal-Publishers. ISBN. 978-1-61233-265-9

Tshibanda Mbuyamba M and Pretorius Jan JHC. "A statistical analysis of Cape Town wind *Profile*". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Twala Bhekisipho B, Marwala Tshilidzi T, Mekuria F and Ntlatlapa N. "Building a sustainable research & HCD ecc-system: case study of two wireless communication ecc-systems". IST - Africa Conference and Exhibition. 2013. IEEE. ISBN 978-1-905824-39-7

Twala Bhekisipho B and Mekuria F. "Ensemble multisensor data using state-of-the art classification methods". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Twala Bhekisipho B and Mapesela Paulina Motena PM. "Target tracking using multiple classifier systems and statistical process control". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Van Blommestein Brandon Clifford BC and Mbohwa Charles C. "Life cycle assessment of solar chimneys". 20th CIRP International Conference on Life Cycle Engineering: Re-engineering Manufacturing for Sustainability. 2013. Springer. ISBN. 978-981-4451-47-5

Van Der Merwe Dean Alic DA and Mbohwa Charles C. "Identifying ways to manage resistance to change within the South African banking industry". International Conference on Human Resource Management (ICHRM 2013) WASET Issue 82 Part IX. 2013. WASET. ISBN. 2010-376X

Van Wyngaard Charles Jurie CJ, Pretorius Jan JHC and Pretorius L. "Deliberating the triple constraint trade-offs as polarities to manage: a refreshed perspective". IEEE International Conference on Industrial Engineering and Engineering Management. 2013. IEEE. ISBN. 978-1-4799-0985-8

Vermeulen Andre A and Pretorius Jan JHC. "Business processes capability performance measurement and innovation". 22nd International Conference on Management of Technology: Science, Technology and Innovation in the Emerging Market Economies. 2013. IAMOT. ISBN. 0-9815817-6-5

Vermeulen Andre A, Kruger D, Kruger David Johannes DJ and Pretorius Jan JHC. "How competitiveness is achieved with lean synchronization implementation". Portland International Center for Management of Engineering and Technology: Technology Management in the IT-Driven Services. 2013. PICMET. ISBN. 1-890843-28-8

Visser Renier R, Pretorius Jan JHC and Pretorius L."A case study in developing a life of mine plan". IEEE International Conference on Industrial Technology. 2013. IEEE. ISBN. 978-1-4673-4569-9

Wa Kalenga Michel MK, Pan Xiaowei X and Tangstad M. "Manganese alloys production: impact of chemical compositions of raw materials on the energy and materials balance". 13th International Ferroalloys Congress: Efficient Technologies in Ferroalloys Industry (INFACON XIII). 2013. Infacon XIII. ISBN. 9965-729-35-2

Wilson Mark MD, Ferreira Hendrik HC and Heymann Reolyn R. "Markov modelling of in-vehicle power-line communication". IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013. IEEE. ISBN. 978-1-4673-5943-6

Xing Bo B, Gao Wen Jing W and Marwala Tshilidzi T. "An overview of cuckoo-inspired intelligent algorithms and their applications". IEEE Symposium on Swarm Intelligence (SIS 2013) and IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-6004-3

Xing Bo B, Gao Wen Jing W and Marwala Tshilidzi T. "Teaching-learning-based optimization approach for enhancing re-manufacturability pre-evaluation system's reliability". IEEE Symposium on Swarm Intelligence (SIS 2013) & IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-6004-3

Xing Bo B, Gao Wen Jing W and Marwala Tshilidzi T. "The applications of computational intelligence in system reliability optimization". IEEE Symposium on Computational Intelligence for Engineering Solutions (CIES 2013) & IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-5851-4

Zhu Hai Ling HL, Cheng L, Nel Andre AL and Sumbwanyambe Mbuyu M. "Revenue and utility maximization under centralized dynamic spectrum allocation". IEEE International Conference on Industrial Engineering and Engineering Management. 2013. IEEE. ISBN. 978-1-4799-0986-5

- JOURNALS -

Agumba Justus JN, Haupt Theodore TC and Pretorius Jan JHC. "Health and safety management practices in small and medium enterprises in the South African construction industry". Acta Structilia (DHET). 2013. Vol. 20 No. 1

Ahamed Mohammed MEH, Marjanovic Ljiljana L, Mbianda Xavier XY and Mulaba Antoine A. "Ion imprinted polymers for the selective extraction of silver (I) ions in aqueous media: kinetic modeling and isotherm studies". REACTIVE & FUNCTIONAL POLYMERS (ISI). 2013. Vol. 73

Ahamed Mohammed MEH, Marjanovic Ljiljana L, Mbianda Xavier XY and Mulaba Antoine A. "Selective extraction of gold (III) from metal chloride mixtures using ethylediamine N-(2-(1imidazolyl)ethyl) chitosan ion-imprinted polymer". HYDROMETALLURGY (ISI). 2013. Vol. 140

Aigbavboa Clinton CO and Thwala Wellington WD. "Confirmatory factorial validity of neighborhood features amongst South Africa low-income housing occupants" ". Journal of Economics and Behavioral Sudies (IBSS). 2013. Vol. 5 No. 12

FACULTY RESEARCH REPORTS

Aigbavboa Clinton CO and Thwala Wellington WD. "Housing satisfaction in subsidized housing schemes: a case study of Johannesburg, Gauteng Province, South Africa". Journal of Human Ecology (IBSS). 2013. Vol. 42 No. 3

Aigbavboa Clinton CO and Thwala Wellington WD. "Residents' perception of subsidised lowincome housing in South Africa: a case study of Kliptown, Johannesburg". Journal of Human Ecology (IBSS). 2013. Vol. 42 No. 1

Aigbavboa Clinton CO and Thwala Wellington WD. "A case for the usage of solar water heaters in low-income houses in Tshwane municipality - South Africa". Jokull (ISI). 2013. Vol. 63 No. 11

Aigbavboa Clinton CO and Thwala Wellington WD. "A theoretical assessment of the determinants of housing satisfaction". Jokull (ISI). 2013. Vol. 63 No. 11

Aigbavboa Clinton CO and Thwala Wellington WD. "Confirmatory factor analysis of the causal effects of beneficiaries' needs and expectations as a determinant of residential satisfaction in South Africa". Jokull (ISI) . 2013. Vol. 63 No. 8

Aigbavboa Clinton CO, Lesito Kabelo and Thwala Wellington WD. "Information communication technology (ICT) usage in the South African construction professional practice: lessons learnt". Journal of economics and behavioral studies (IBSS). 2013. Vol. 5 No. 10

Amankwah Awthony A and Kabuba John JT. "Comparison of neural networks and kalman filter for the modeling of ion exchange process". Life Science Journal-Acta Zhengzhou University Overseas Edition (ISI). 2013. Vol. 10 No .3

Anderson George GG, Marwala Tshilidzi T and Nelwamondo Fulufhelo FV. "Multi-core scheduling based on learning from optimization models". International Journal of Innovative Computing Information and Control (ISI). 2013. Vol. 9 No. 4

Baron Philip PR. "The root and responsibility model: a framework for ethical consumption" KYBERNETES (ISI). 2013. Vol. 42 No.10-Sep

Bhamjee Muaaz M, Madyira Daniel DM and Nurick Alan A. "An experimentally validated mathematical and CFD model of a supply air window: forced and natural flow". ENERGY AND BUILDINGS (ISI). 2013. Vol. 57

Bodoza Thandiswa TF, Chauke Dyondzo Fellcity, Muzenda Edison E and Ntuli Freeman F. "The effect of poly(ethylene-alt-maleic anhydride) on the reduction crystallisation behaviour of nickel powder". CANADIAN JOURNAL OF CHEMICAL ENGINEERING (ISI). 2013. Vol. 91 No. 5

Chiririwa Haleden H, Muller Alfred AJ, Muzenda Edison E and Ntuli Freeman F. "Synthesis and characterization of palladium(II) and platinum(II) metal complexes with iminophosphine ligands: X-ray crystal structures of platinum(II) complexes and use of palladium(II) complexes as precatalysts in Heck and Suzuki cross-coupling reactions". TRANSITION METAL CHEMISTRY (ISI). 2013. Vol. 38 No. 1

Crous Pieter PA, Buckley CA and Haarhoff Johannes J. "Water demand characteristics of shared water and sanitation facilities: experiences from community ablution blocks in eThekwini municipality, South Africa". WATER SA (ISI). 2013. Vol. 39 No. 3

Dlamini Sisekelo Peter SP, Haarhoff Johannes J, Mamba Bhekie BB and Van Staden Samantha SJ. "The response of typical South African raw waters to enhanced coagulation". Water Science and Technology-Water Supply (ISI). 2013. Vol. 13 No. 1

Duma Mlungisi Sizwe MS, Marwala Tshilidzi T, Nelwamondo F and Twala Bhekisipho B. "Partial imputation of unseen records to improve classification using a hybrid multi-layered artificial immune system and genetic algorithm". APPLIED SOFT COMPUTING (ISI). 2013. Vol. 13

Dundu Morgan M. "Rotation performance of cold-formed steel portal frames" Advanced Steel Construction (ISI). 2013. Vol. 9 No. 3

Dzvinamurungu Thomas T, Knoper Michael MW, Mulaba Antoine A and Viljoen Karel KS. "Geometallurgical characterisation of Merensky reef and UG2 at the Marikana mine, Bushveld complex, South Africa". MINERALS ENGINEERING (ISI). 2013. Vol. 52

Griffioen Marie ML, Ilemobade AA and Olenrewaju OO. "Grey-water reuse for toilet flushing at a university academic and residential building". WATER SA (ISI). 2013. Vol. 39 No. 3

Haarhoff Johannes J and Edzwald James K. "Adapting dissolved air flotation for the clarification of seawater". DESALINATION (ISI). 2013. Vol. 311

Haarhoff Johannes J and Van Staden Samantha SJ. "Measurement and expression of granular filter cleanliness". WATER SA (ISI). 2013. Vol. 39 No. 5

Kanchireddy Obi Reddy K, Dong Woo L, Kamala Devi AP, Kim BS, Song JI, Sudhakara P and Venkata Prasad C. "Thermal, mechanical and morphological properties of maleated polypropylene compatibilized borassus fruit fiber/polypropylene composites". JOURNAL OF APPLIED POLYMER SCIENCE (ISI). 2013. Vol. 128 No. 2

Kanchireddy Obi Reddy K, Maheswari Uma C, Rajulu AV, Shukla Mukul M and Song JI. "Tensile and structural characterization of alkali treated borassus fruit fine fibers". COMPOSITES PART B-ENGINEERING (ISI). 2013. Vol. 44

Kanchireddy Obi Reddy K, Rajulu AV, Reddy KRN, Zhang Jinming and Zhang Jun. "Effect of alkali treatment on the properties of century fiber". Journal of Natural Fibers (ISI). 2013. Vol. 10

Katuku Kambuyi K and Maweja K. "Effect of pressure and treatment temperature on the structural evolution of mechanically alloyed Ti(W)(C,N)-Al admixes in boron nitride". CERAMICS INTERNATIONAL (ISI). 2013. Vol. 39

Kommula Venkata Parasuram VP, Kanchireddy Obi Reddy K, Marwala Tshilidzi T, Rajulu AV and Shukla Mukul M. "Physico-chemical, tensile, and thermal characterization of napier grass (Native African) fiber strands". INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION (ISI). 2013. Vol. 18

Lo Giudice Agata A, Clasadonte MT, Ingrao C and Mbohwa Charles C. "Environmental assessment of the citrus fruit production in Sicily using LCA". ITALIAN JOURNAL OF FOOD SCIENCE (ISI). 2013. Vol. 25 No. 2 Lobanga Kaluka KP, Haarhoff Johannes J and Van Staden Samantha SJ. "Treatability of South African surface waters by activated carbon". WATER SA (ISI). 2013. Vol. 39 No. 3

Lopes Martin M, Fester Ferdinand FC and Haupt Theodore TC. "Client perceptions and contributions to construction health and safety: a South African perspective". Journal of Construction (DHET). 2013. Vol. 5 No. 2

Madyira Daniel DM, Henning Petrus Francois Joubert PFJ, Janse van Rensburg Nicoleen N and Laubscher Rudolph RF. "High speed machining induced residual stresses in grade 5 titanium alloy". PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS (ISI). 2013. Vol. 227 No. 3

Mahamood Modupe MR, Akinlabi Esther ET, Pityana S and Shukla Mukul M. "Characterizing the effect of laser power density on micro-structure, micro-hardness, and surface finish of laser deposited titanium alloy". JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME (ISI). 2013. Vol. 135 No. 6

Mahamood Rasheedat Modupe RM, Akinlabi Esther ET, Pityana S and Shukla Mukul M. "Scanning velocity influence on micro-structure, micro-hardness and wer resistance performance of laser deposited Ti6A14V/TiC composite". MATERIALS & DESIGN (ISI). 2013. Vol. 50

Maheswari Chidige, Kanchireddy Obi Reddy K, Muzenda Edison E, Rajulu AV and Shukla Mukul M. "A comparative study of modified and unmodified high-density polyethylene/borassus fiber composites". INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION (ISI). 2013. Vol. 18 No. 6

Maheswari Uma C, Kanchireddy Obi Reddy K, Muzenda Edison E, Rajulu AV and Shukla Mukul M. "Mechanical properties and chemical resistance of short tamarind fiber/unsaturated polyester composites: influence of fiber modification and fiber content". INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION (ISI). 2013. Vol. 18

Mbohwa Charles C, Mashoko L and Thomas VM. "Life cycle inventory of electricity co-generation from bagasse in the South African sugar industry". JOURNAL OF CLEANER PRODUCTION (ISI). 2013. Vol. 39

Mbuli Ephraim Nhlanhla EN and Pretorius Jan JHC. "Consideration of series compensation in the enhancement of techno-economic worth of higher voltage transmission line overlay" International Review of Electrical Engineering-IREE (ISI). 2013. Vol. 8 No. 4

Mbuli Ephraim Nhlanhla EN and Pretorius Jan JHC. "Voltage-differentiated electricity tariffs and economic evaluation of a supply voltage choice: a case of a customer in South Africa". International Review of Electrical Engineering-IREE (ISI). 2013. Vol. 8 No. 3

Mckay Tracey TJM and Simpson Zachary ZS. "The space between: pedagogic collaboration between a writing centre and an academic department". PERSPECTIVES IN EDUCATION (ISI). 2013. Vol. 31 No. 4

Mguni Liberty LL, Jalama Kalala K, Meijboom Reinhout R and Mukenga Mbala MM. "Effect of calcination temperature and MgO crystallite size on MgO/TiO2 catalyst system for soybean oil transesterification". CATALYSIS COMMUNICATIONS (ISI). 2013. Vol. 34

Mguni Liberty LL, Jalama Kalala K, Meijboom Reinhout R, Mukenga Mbala M and Muzenda Edison E. "Expanding the synthesis of Stöber spheres: towards the synthesis of nano-magnesium oxide and nano-zinc oxide". JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY (ISI). 2013. Vol. 66 No. 1

Muzenda Edison E, Abdulkareem AS, Afolabi AS and Kabuba John JT. "Treatment of clinoptilolite as an adsorbent for the removal of copper ion from synthetic waste-water solution". ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING (ISI). 2013. Vol. 38 No. 9

Muzenda Edison E, Abdulkareem AS, Afolabi AS, Ntuli Freeman F and Ramatsa Ishmael IM. "Parametric effects on leaching behaviour of nickel-copper matte in ammonia". PARTICULATE SCIENCE AND TECHNOLOGY (ISI). 2013. Vol. 31 No. 4

Nelwamondo Fulufhelo FV, Golding D and Marwala Tshilidzi T. "A dynamic programming approach to missing data estimation using neural networks". INFORMATION SCIENCES (ISI). 2013. Vol. 237

Ojuri Oluwapelumi OO and Okonta Felix FN. "Modeling the effect of suction change on a tropical black clay aquitard during consolidation". POLISH JOURNAL OF ENVIRONMENTAL STUDIES (ISI). 2013. Vol. 22 No. 5

Olakanmi Eyitayo Olatunde EO, Doyoyo Mulalo MR, Meacock C, Pityana S and Tlotleng Monnamme Titus MT. "Deposition mechanism and micro-structure of laser-assisted cold-sprayed (LACS) Al-12 wt.%Si coatings: effects of laser power". JOM (ISI). 2013. Vol. 65 No. 6

Olakanmi Eyitayo Olatunde EO. "Selective laser sintering/melting (SLS/SLM) of pure AI, AI-Mg, and AI-Si powders: effect of processing conditions and powder properties". JOURNAL OF MATERIALS PROCESSING TECHNOLOGY (ISI). 2013. Vol. 213

Ouahada Khmaies K and Ferreira Hendrik HC. "Generation of spectral nulls with permutation sequences". AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS (ISI). 2013. Vol. 67

Paluncic Filip F, Abdel-Ghaffar KGS and Ferreira Hendrik HC. "Insertion/deletion detecting codes and the boundary problem". IEEE TRANSACTIONS ON INFORMATION THEORY (ISI). 2013. Vol. 59 No. 9

Pilusa Tsietsi Jefrey TJ, Huberts Robert R and Muzenda Edison E. "Emissions analysis from combustion of eco-fuel briquettes for domestic applications". Journal of Energy in Southern Africa (ISI). 2013. Vol. 24 No. 4

Pilusa Tsietsi Jefrey TJ, Muzenda Edison E and Shukla Mukul M. "Thermo-chemical extraction of fuel oil from waste lubricating grease". WASTE MANAGEMENT (ISI). 2013. Vol. 33

Pretorius Jan JHC and Manuel Grant G. "The significance of relevance trees in the identification of artifical neural networks input vectors". Journal of Energy in Southern Africa (ISI). 2013. Vol. 24 No. 1 Sakey Ravindra S, Mulaba Antoine A, Ramam KVS, Vanarachi Rajinikanth R and Varaprasad K. "Studies on curcumin loaded poly (N-isopropylacrylamide) silver nano-composite hydrogels for antibacterial and drug releasing applications". Journal of Macromolecular Science Part A-Pure and Applied Chemistry (ISI). 2013. Vol. 50

Simpson Zachary ZS and Mckay Tracey Morton TJM. "Assessment rubricss: artefacts that speak in tongues?". Per Linguam: A Journal of Language Learning (DHET). 2013. Vol. 29 No. 1

Twala Bhekisipho B. "Impact of noise on credit risk prediction: does data quality really matter?". Intelligent Data Analysis (ISI). 2013. Vol. 17 No. 6

Vunain Ephraim E, Jalama Kalala K, Malgas Rehana R and Meijboom Reinhout R. "The effect of recrystallization time on pore size and surface area of mesoporous SBA-15". JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY (ISI). 2013. Vol. 68 No. 2

FACULTY OF HEALTH SCIENCES Executive Dean: Prof Andre Swart



The Faculty comprises of eleven Departments, two research centres, the Faculty administrative office and the short learning programme and continuing professional office (SPP/CPD). These eleven academic departments and composition thereof remains unique within the content of Faculties of Health Sciences in South Africa as eight of the departments and one programme (Biokinetics) in another department are affiliated to one of the following regulatory bodies: The Health Professions Council of South Africa (HPCSA); The Allied Health Professions Council of South Africa (AHPCSA); the South African Nursing Council (SANC).

To enhance capacity and research output within the Faculty and to contribute to the university's output in the next ten years the Faculty has:

- Made resources available to staff to attend research related short courses;
- Continued to participated in the Staff Qualifications Project (SQP);
- Encouraged and supported staff to attend journal/publication writing workshops;
 Implemented a mentor system whereby senior accomplished researchers guide colleagues in their postgraduates studies; and
- Funded projects as necessary.

In terms of research output the Faculty's target for 2103 was 58 accredited units. The Faculty submitted 52 units for auditing purposes, comprising of 44 units related to journal articles with the remaining units comprising books, chapters and conference proceedings. This a decrease from the unaudited 58.9 units submitted in 2012. The major contributing Departments were Optometry and Sport & Movements Studies.

Table 6 reflects the analysis of publications for 2013.

TABLE 6: ANALYSIS OF PUBLICATIONS

| Publications and Conference Proceedings | 2012 | 2013 |
|---|-------|------------------------------|
| Number of publication units | 58.49 | 45 |
| Conference proceedings | 13.5 | 2 |
| Chapters | 7.5 | 5 |
| Number of staff who published | 30 | 29 |
| First publications – departments from 2005 | 1 | 2 Somatology, Homoeopathy |
| First publications for staff members | 1 | 4 |

The publication ratio per staff member is 0,52 compared to 0.60 in 2012. Conference proceedings contributed 1.50 units, with chapters in books contributing to 0.60 units.

Patent Applications

In 2013, one patent was submitted following a project partly by the Water Research Commission (WRC). All Intellectual Property resides with UJ.

External Funding

All rated researchers were allocated the NRF incentive allocation. External funding for research activities was obtained from the NRF, MRC, CSIR, ALC SA/Egypt, CANSA, WRC and the African Laser Centre by the Laser and Water and Health Research Centres totaling R650 000.00 and R1 055 550.00 respectively. A total of R 3 317 500.00 funding (internal and external) was received by the two Centres in 2013; similar to the funding attracted during 2012.

In addition funding was received as follows: The amount excluding NRF allocations for rated researchers was R7, 951,370.00 compared to R9,123,000.00 (clinical grant included) in 2012.

POSTGRADUATE GRADUATIONS 2013

Mothiba, Tebogo Maria, Thesis: A training programme for cost centre managers with a dual role at a tertiary hospital complex in the Limpopo Province. **Supervisor:** Prof K Jooste and **Co-supervisor:** Prof AGW Nolte

Weska, Pawel Piotr, Thesis: Leverage of a Sport Mega-Event Branding: A Case Study of the 2012 FIFA World Cup. Supervisor: Prof HB Klopper

FACULTY RESEARCH REPORTS

RESEARCH OUTPUTS 2013

- CHAPTERS -

Burnett - Louw Cora C "Paradigm lost: indigenous games and neoliberalism in the South African context" in Native Games: Indigenous People and Sports in the Post-Colonial World. 2013. Emerald Group. ISBN. 978-1-78190-591-3

Fosso Kankeu Elvis E, Fonteh P and Mishra Ajay AK "High-technology therapy using biomolecules or synthetic compounds for HIV inhibition" in Nanomedicine for Drug Delivery and Therapeutics. 2013. Wiley (Scrivener Publishing). ISBN. 978-1-118-41409-5

Houreld Nicolette NN "Visible red and near infra-red lights is absorbed by cytochrome C oxidase and stimulates the production of ATP" in Adenosine Triphosphate: Chemical Properties, Biosynthesis and Functions in Cells. 2013. Nova Publishers. ISBN. 978-1-62417-890-0

Houreld Nicolette NN "The influence of low intensity laser irradiation on dermal fibroblasts and its role in diabetic wound healing" in Dermal Fibroblasts: Histological Perspectives, Characterization and Role in Disease Dermal Fibroblasts: Histological Perspectives, Characterization and Role in Disease. 2013. Nova Science Publishers, Inc. ISBN. 978-1-62618-799-3

- CONFERENCE PROCEEDINGS -

Abrahamse Heidi H, Houreld Nicolette NN and Vorster Louis L "Global DNA methylation status of colorectal cancer cells exposed to photo-dynamic therapy" 9th World Association for Laser Therapy Congress (WALT 2012) (Published-2013). 2013. Medimond. ISBN. 978-88-7587-677-7

Houreld Nicolette NN "Laser irradiation in the visible wavelength stimulates wound healing in vitro" 9th World Association for Laser Therapy Congress (WALT 2012) (Published-2013). Medimond. ISBN. 978-88-7587-677-7

Seyama Sadi SE "An exploration of the University of Johannesburg heads of department's experiences and perceptions of the university's performance management system" SAERA 2013 Conference Proceedings: Educational Research in South Africa: Practices and Perspectives. 2013. Oxford University Press. ISBN. 978-0-19-599660-9

- JOURNALS -

Abrahamse Heidi H, Houreld Nicolette NN and Manoto Sello Lebohang "Photo-toxiceffect of photo-dynamic therapy on lung cancer cells grown as a mono-layer and three dimensional multicellular spheroids " SL LASERS IN SURGERY AND MEDICINE (ISI) 2013 Vol. 45 No. 3

Abrahamse Heidi H, Houreld Nicolette NN and Masha Roland RT "Low intensity laser irradiation at 660nm stimulates transcription of genes involved in the electron transport chain" PHOTOMEDICINE AND LASER SURGERY (ISI) 2013 Vol. 31 No. 2

Abrahamse Heidi H, Houreld Nicolette NN and Mfouo Tynga Ivan IS "The primary sub-cellular localization of zinc pthalocyanine and its cellular impact on viability, proliferation and structure of breast cancer cells (MCF-7)" JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY (ISI) 2013 Vol. 120

Barnard Tobias TG and Ntema Vusi VM "Implementation of a process internal control to monitor the performance of real-time PCR assays for the detection of vibrio cholerae in water" Water Science and Technology-Water Supply (ISI) 2013 Vol. 13 No.3

Barnard Tobias TG, Ashbolt N, Jagals P, Mokoena Matodzi Michael and Roser DJ "Pathogenic escherichia coli in rural household container waters" WATER SCIENCE AND TECHNOLOGY (ISI) 2013 Vol. 67 No. 6

Beukes Sonya S and Nolte Anna AGW "Guidelines for value-sensitive clinical accompaniment in community health nursing" Journal of Nursing Management (ISI) 2013 Vol. 21 No. 2

Coopoo Yoganathan Y, Rottcher WH, Shaw Brandon BS and Shaw Ina I "Physical activity and sedentary behaviour patterns among South African secondary school learners" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 1

Crous Anna Magdalena AM and Abrahamse Heidi H "Lung cancer stem cells and low-intensity laser irradiation: a potential future therapy?" Stem Cell Research & Therapy (ISI) 2013 Vol. 4 No. 129

Dutton Michael MF, Berta G, Bodnar Z, Hafner D, Hancz C, Horvatovich K and Kovacs M "Dose-related genotoxic effect of T-2 toxin measured by comet assay using peripheral blood mono-nuclear cells of healthy pigs" ACTA VETERINARIA HUNGARICA (ISI) 2013 Vol. 61 No. 2

Frank Lora L, Ferreira Johannes JT and Pellow Janice J "The validity and reliability of iridology in the diagnosis of previous acute appendicitis as evidenced by appendectomy" South African Optometrist (DHET) 2013 Vol. 72 No. 3

Gillan Wayne WDH "Keratoconus: a clinical exposé" South African Optometrist (DHET) 2013 Vol. 72 No. 1

Gillan Wayne WDH "Repeatability and reproducibility of tear-lab measurements" South African Optometrist (DHET) 2013 Vol. 72 No. 1

Gillan Wayne WDH "Tear osmolarity and OSDI symptoms: is there a relationship?" South African Optometrist (DHET) 2013 Vol. 72 No. 2

Gower Neil NT and Scheepmaker Mande Michelle MM "Two dimensional chromatographic analysis as a quality measure of herbal extracts - Rosmarinus officinalis e foliis recentibus" Plant Archives (ISI) 2013 Vol. 13 No. 2

Harris William WF "Pupillary axis of a heterocentric astigmatic eye" South African Optometrist (DHET) 2013 Vol. 72 No. 1

Harris William WF "Yves Le Grand on matrices in optics with application to vision: translation and critical analysis" South African Optometrist (DHET) 2013 Vol. 72 No. 4

Harris William WF "Conditions in linear optics for sharp and undistorted retinal images, including Le Grand's conditions for distant objects." VISION RESEARCH (ISI) 2013 Vol. 93 Harris William WF, Evans Tanya T and Van Gool Radboud RDH "Line of sight of a hetero-centric astigmatic eye." OPHTHALMIC AND PHYSIOLOGICAL OPTICS (ISI) 2013 Vol. 33

Harris William WF, Hjortdal Jesper O and Naeser Kristian "Target refractions in bilateral monofocal pseudophakia: analysis of a mathematical model" South African Optometrist (DHET) 2013 Vol. 72 No. 3

Jansen van Vuuren Audrey, Barnard Tobias TG, Ntema Vusi Mcmillan VM, Razlog Radmila RK and Saunders Brenda-Anne B "The effect of driver resonator frequency treatment (385 kHertz) on candida albicans cell viability and recovery in the presence and absence of nutrients" JOURNAL OF ALTERNATIVE AND COMPLEMENTARY MEDICINE (ISI) 2013 Vol. 19 No. 12

Khumalo Valencia V, Jooste Karien and Maritz J *"Sportmen's experiences at a somatology clinic receiving a sport massage"* Health SA Gesondheid (DHET) 2013 Vol. 18 No. 1

Lynch Evan E, Coopoo Yoganathan Y, Lombard Adrian AJJ, Shaw Brandon BS and Shaw I "Shoulder injury incidence and severity through identification of risk factors in rugby union players" Pakistan Journal of Medical Sciences (ISI) 2013 Vol. 29 No. 6

Mathee Angela A, Barnes B and Naicker N "A follow-up cross-sectional study of environmental lead exposure in early childhood in urban South Africa" SAMJ SOUTH AFRICAN MEDICAL JOURNAL (ISI) 2013 Vol. 103 No. 12

Mathee Angela A, Becker P, Khan T, Kootbodien T, Naicker N and Naidoo S "Lead exposure in young school children in South African subsistence fishing communities" ENVIRONMENTAL RESEARCH (ISI) 2013 Vol. 126

Mathee Angela A, Jassat W, Naicker N and Naidoo S "Rodent control in urban communities in Johannesburg, South Africa: from research to action" INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH (ISI) 2013 Vol. 26 No. 6

Maule Warren WJ "Hepcidin. A brief review" Medical Technology SA (DHET) 2013 Vol. 27 No. 1

Mvula Bernard Dandenault BD and Abrahamse Heidi H "The role of adipose derived stem cells, smooth muscle cells and low intensity laser irradiation (LILI) in tissue engineering and regenerative medicine" Central European Journal of Biology (ISI) 2013 Vol. 8 No. 4

Myburgh Christoffel CPH, Botha J and Poggenpoel Marie M "Male teachers' experiences of own aggression" South African Journal of Education (ISI) 2013 Vol. 33 No. 3

Naidoo Prenitha P and Pellow Janice J "A randomized placebo-controlled pilot study of cat saliva 9cH and histaminum 9cH in cat allergic adults" Homeopathy (ISI) 2013 Vol. 102 No. 2

Nalla Shahed S, Berger LR, Carlson KJ, Churchill SE, De Ruiter DJ, Schmid P and Weissen E "Mosaic morphology in the thorax of australopithecus sediba" SCIENCE (ISI) 2013 Vol. 340 No. 6129

Nalla Shahed S, Berger LR, Hartstone-Rose A, Kuhn BF and Werdelin L "A new species of fox from the australopithecus sediba type locality, Malapa, South Africa" Transactions of the Royal Society of South Africa (DHET)2013 Vol. 68 No. 1

Njobeh Patrick PB, Abia WA, Dutton Michael MF, Krska R, Moundipa PF, Sulyok M, Tchana AN and Warth B "Determination of multi-mycotoxin occurrence in cereals, nuts and their products in Cameroon by liquid chromatography tandem mass spectrometry (LC-MS/MS)" FOOD CONTROL (ISI) 2013 Vol. 31

Pellow Janice J and Swanepoel Marlo M "A randomized pilot study on the efficacy of milking cream and a homeopathic complex topical cream on diaper dermatitis." Health SA Gesondheid (DHET) 2013 Vol. 18 No. 1

Piek Richardt RJ and Stein Christopher COA "Three insulation methods to minimize intravenous fluid administration set heat loss" Prehospital Emergency Care (ISI) 2013 Vol. 17 No. 1

Poggenpoel Marie M, Janse van Rensburg A B R, Myburgh Christoffel CPH and Szabo C P "The role of spirituality in specialist psychiatry: a review of the medical literature" African Journal of Psychiatry (ISI)2013 Vol. 16 No. 4

Poggenpoel Marie M, Janse van Rensburg Bernard, Myburgh Christoffel CPH and Szabo C P "Competence of medical students and residents in psychiatry regarding spirituality, at a South African school of clinical medicine" INTERNATIONAL JOURNAL OF PSYCHIATRY IN MEDICINE (ISI) 2013 Vol. 45 No. 2

Richter Karien K and Jooste Karien "The experiences of private somatology therapists on their self-management in a private practice" Health SA Gesondheid (DHET) 2013 Vol. 18 No. 1

Rubin Alan A "Surfaces of forced vergence disparity" South African Optometrist (DHET) 2013 Vol. 72 No. 1

Rubin Alan A and Sukha Anusha AY "Psycho-physical aspects of contrast sensitivity" South African Optometrist (DHET) 2013 Vol. 72 No. 2

Schnetler Rozanne R, Gillan Wayne WDH and Koorsen Gerrit G "Lipid composition of human meibum: a review" South African Optometrist (DHET) 2013 Vol. 72 No. 2

Shaw Brandon BS and Shaw Ina I "Review of the effectiveness of various modes of breathing training in asthma management" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD)(DHET) 2013 Vol. Supplement 1

Shaw Brandon BS, Adkins M, Ansorge C, Brown GA, Heelan K and Shaw I "Can dance exergaming contribute to improving physical activity levels in elementary school children?" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 3

Shaw Brandon BS, Akusu SW, Amusa LO, Goon DT and Shaw Ina I "Body composition indicators of 7-14 year andibila children in Oju, Nigeria" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD)(DHET) 2013 Vol. 19 No. 01-Apr Shaw Brandon BS, Akusu SW, Amusa LO, Goon DT and Shaw Ina I "Somatotypes of andibila children aged 7 to 14 years in Oju, Nigeria" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 02-Apr

Shaw Brandon BS, Anyanwu FC, Goon DT, Moselakgomo VK and Toriola AL "Are rural South African children abdominally obese?" Pakistan Journal of Medical Sciences (ISI) 2013 Vol. 29 No. 3

Shaw Brandon BS, Brown GA and Shaw Ina I "Effect of concurrent aerobic and resistive breathing training on respiratory muscle length and spirometry in asthmatics" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 1

Shaw Brandon BS, Brown GA, Cook CM, Heelan K, Krueger RD and Shaw I "A prediction equation for the estimation of cardio-respiratory fitness using an elliptical motion trainer" WEST INDIAN MEDICAL JOURNAL (ISI) 2013 Vol. 62 No. 2

Shaw Brandon BS, Fourie M, Gildenhuys GM, Goon DT, Shaw I and Toriola AL "Effects of a mat pilates program on flexibility in elderly women." MEDICINA DELLO SPORT (ISI) 2013 Vol. 66 No. 4

Shaw Brandon BS, Fourie M, Gildenhuys GM, Shaw I, Toriola AL and Witthuhn J "Evaluation of pilates training on agility, functional mobility and cardio-respiratory fitness in elderly women" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Shaw Brandon BS, Lawrence KE, Shaw Ina I and Toriola AL "Influence of callisthenic training on selected anthropometric variables in overweight and obese individuals." African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supolement 1

Shaw Brandon BS, Shaw Ina I and Witthuhn J "Physical activity in schools: review of guidelines and recommendations for best practice" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 1

Shaw Ina I, Gildenhuys GM, Shaw Brandon BS and Toriola AL "A randomised controlled study investigating pulmonary function and respiratory muscle strength in older adults after training with pilates." African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 1

Solomon Elizabeth EM, Harrison CC and Pellow Janice J "The effect of a homeopathic complex on psycho-physiological onset insomnia in males: a randomized pilot study" ALTERNATIVE THERAPIES IN HEALTH AND MEDICINE (ISI) 2013 Vol. 19 No. 5

Stassen William W, Stein Christopher COA and Van Nugteren Benjamin BS "Burnout among advanced life support paramedics in Johannesburg, South Africa" EMERGENCY MEDICINE JOURNAL (ISI) 2013 Vol. 30 No. 4

Tovey Lauren LR, Badenhorst Liesel L, Ebell Dale Edward DE, Shaw Brandon BS and Shaw 1 "Effect on concurrent flexibility training and myofascial rolling on hamstring and gastrocnemius flexibility and performance". African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 1

Towell Amanda AJ, Muller Ann A and Nel Elizabeth E "The emotional intelligence of a group of critical-care nurses in South Africa" Health SA Gesondheid (DHET) 2013 Vol. 18 No. 1

Van Den Heever Anna Elizabeth AE, Myburgh Christoffel CPH and Poggenpoel Marie M "Nurses and care workers' perceptions of their nurse-patient therapeutic relationship in private general hospitals, Gauteng, South Africa" Health SA Gesondheid (DHET) 2013 Vol. 18 No. 1

FACULTY OF HUMANITIES Executive Dean: Prof Rory Ryan



The Faculty of Humanities has eighteen departments, comprising four discipline clusters, (School of) Communication, (School of) Languages, Social Sciences and Humanities. The Faculty has two South African Research Chairs, namely the Chair in Social Change and the Chair in African Diplomacy and Foreign Policy. There are also three centres, namely the Centre for Social Development in Africa, the Centre for Anthropological Research, and the Centre for Anthropological Research, and the Centre for Social Change, closed down in 2013. The Faculty of Humanities is proud of its achievements in terms of research. The Faculty still has the second highest number of accredited research outputs in the university.

The particular academic departments, research centres and the SARChI Chair that have been maintaining a high research output over recent years are the Department of Politics, the Department of Greek and Latin Studies, the Department of Philosophy, the Centre for Social Development in Africa, the Centre for Social Question of the Chair in Social Change. The Department of English has been increasing its research outputs in a 2013 with a total of 21 units for accredited articles and .23 of a unit for a chapter in a book. The Department of English has thus produces 21.23 units. The Department of Philosophy is in the second place with a total of 12.33 accredited in a book. Their total research outputs to a total of 7.62 units and .35 of a unit for a chapter in a book. Their total research outputs therefore amounts to 20.3 units. The Centre for Social Development in Africa is in fourth place with 14.72 units for accredited articles. The Department of English has been increasing the second place with a total of 13 research outputs therefore and two books amounting to a total of 13 research output in a book. The Department of The Court of Social Development in Africa is in fourth place with 14.72 units for accredited articles. The Department of Greek and Latin Studies has produced a total of 13 research output units in 2013.

The Departments of English, Philosophy and Politics have not only produced high quantities of research outputs, they have also been producing high quality outputs as is evident from the fact that these three discipline areas have been singled out in the QS ranking. Some of the other research fields that have been delivering high impact research are the Centre for Social Development in Africa and Greek and Latin Studies and Sociology. Since the staff members who were employed in the Centre for Sociological Research (notably Professor Desai) have moved to the Department of Sociology, sociology as a research area now has a number of established researchers and should be able to make an impact in the international arena (bearing in mind that the Chair in Social Change also does research in the broad area of sociology).

TABLE 14: RESEARCH OUTPUTS OVER THE LAST 5 YEARS

| | Articles | Books | Chapters | Proceedings | Total Units |
|------|----------|-------|----------|-------------|-------------|
| 2013 | 149.97 | 10.03 | 11.36 | 3.5 | 174.86 |
| 2012 | 178.53 | 4.92 | 15.97 | 1.35 | 200.28 |
| 2011 | 146.30 | 4.42 | 8.31 | 1.58 | 156.19 |
| 2010 | 139.04 | 14.86 | 6.83 | 2 | 151.96 |
| 2009 | 114.79 | 6.5 | 17.83 | 0.5 | 142.8 |

A larger percentage of the total output for 2013 comprises of accredited articles, rather than books, chapters in books and conference proceedings. While the latter categories of output are important in the Humanities, and will remain so, these outputs are not as clear-cut due to DHET's lack of disclosure of successful claims in these categories.

Postdoctoral Research Fellows

The Postdoctoral Research Fellowship programme is critical for a steady increase in research output, and for contributing to the intellectual Profile and research activities in the faculty. In 2013 the faculty had thirty two PDRFs.

POSTGRADUATE GRADUATIONS 2013

Dennill, Ingrid (Psychology); Thesis: The Evaluation of a Psycho-Education and Skills Building Program at the time of Divorce/Separation. Supervisor: Prof A Burke Desai Ashwin AG and Vahed G "Young and restless: living 'in the moment' between the past and future" in Chatsworth: The Making of a South African Township. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-255-1

Marais, Ingrid Estha (Anthropology), Thesis: Public Space/Public Spheres: An Ethnography of Joubert Park, Johannesburg. Supervisor: Prof D de Wet and Co-supervisor: Prof M Lyons

McDonald, Zahraa (Sociology), Thesis: Expressing Post-Secular Citizenship: A Sociological Exposition of Islamic Education in South Africa. Supervisor: Prof JM Uys and Co-supervisor: Prof K Naidoo Co-supervisor: Prof F Esack

Ntui, Charles Mboh Arrey (Geography), Thesis: Hazard Assessment and Disaster Preparedness towards Sustainable Development in Mpumalanga (South Africa) Coal-Mining Areas. Supervisor: Prof HJ Annegarn

Hlatshwayo, Mondli Shadrack (Industrial Sociology); Thesis: A Sociological Analysis of Trade Union Responses to Technological Changes at the Arcelor/Mittal Vanderbijlpark Plant, 1989 to 2011. Supervisor: Prof S Buhlungu (University of Pretoria) and Co-Supervisor: Prof A Senekal

Hosseini Baghsangani, Seyed Reza (Philosophy); Thesis: Meaning in Life: A Wittgensteinian Approach. Supervisor: Prof T Metz and Co-Supervisor: Prof J Snyman

Nganje, Fritz Ikome (Political Studies); Thesis: Paradiplomacy: A Comparative Analysis of the International Relations of South Africa's Gauteng, North-West and Western Cape Provinces. Supervisor: Prof DJ Geldenhuys

RESEARCH OUTPUTS 2013

– BOOKS –

Broadbent Alexander AB "Philosophy of Epidemiology" 2013. Palgrave MacMillan ISBN. 978-0-230-35512-5

Habib Adam AM "South Africa's Suspended Revolution: Hopes and Prospects" 2013. Wits University Press. ISBN. 978-1-86814-608-6

Metz Thaddeus TH "Meaning in Life: An Analytic Study" 2013. Oxford University Press. ISBN. 978-0-19-959931-8

- CHAPTERS -

Akpome Aghogho A "Artistic commitments and the new counter-discourse: othering in Chimamanda Ngozi Adichie's half of a yellow sun (2006) and Neill Blomkamp's district 9 (2009)" in Africa and Beyond: Arts and Sustainable Development . 2013. Cambridge. ISBN. 978-1-4438-4236-5

Alexander Peter P "Affordability and action: introduction and overview" in Class in Soweto. 2013. University of KwaZulu Natal. ISBN.978-1-86914-220-9

Alexander Peter P and Wale Kim K "Underemployment: too poor to be unemployed" in Class in Soweto . 2013. University of KwaZulu Natal. ISBN.978-1-86914-220-9

Arnold Markus JP "Picaresque adventurers and fugitive houses: how does the Mauritian novel tell the world through comic and laughter?" in Picaresque adventurers and fugitive houses: how does the Mauritian novel tell the world through comic and laughter? / Adventuriers picaresques et maisons en fuite: comment le roman mauricien dit-il le monde a travers le prisme du rire et du comique? 2013. Editions K'A . ISBN. 978-2-910791-98-8

Botha Catherine CF "Dance and/as art: considering Nietzsche and Badiou" in Thinking Through Dance: The Philosophy of Dance Performance and Practices. 2013. Dance Books Ltd. ISBN. 978-1-85273-165-6

Ceruti Claire C "A proletarian township: work, home and class" in Class in Soweto . 2013. University of KwaZulu Natal. ISBN. 978-1-86914-220-9

Ceruti Claire C "Contemporary Soweto: dimensions of stratification" in Class in Soweto . 2013. University of KwaZulu Natal. ISBN. 978-1-86914-220-9

Chappell Paul Ian PI "Troubling the socialisation of the sexual identities of youth with disabilities: lessons for sexuality and HIV pedagogy" in Sexuality, Society and Pedagogy. 2013. SUN PReSS. ISBN. 978-1-920382-43-8

FACULTY RESEARCH REPORTS

Check Nicasius Achu NA "Climate change and water degradation: challenges for sustaining human security in the Lake Chad basin" in Africa in a Changing Global Environment: Perspectives of Climate Change Adaptation and Mitigation Strategies in Africa. 2013. Africa Institute of South Africa. ISBN. 978-0-7983-0375-0

Chetty Suryakanthie S "The Aryan benevolent home: a people's movement for upholding the dignity of life." in Chatsworth: The Making of a South African Township. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-255-1

Conradie Charl CJ "Grammar-internal mimicking and analogy" in Iconic Investigations . 2013. John Benjamins Publishing Company.ISBN. 978-90-272-4385-5

Desai Ashwin AG *"From the dirty dozen to the dre boys: gangs of Chatsworth"* in Chatsworth: The Making of a South African Township. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-255-1

Desai Ashwin AG *"Taxis"* in Chatsworth: The Making of a South African Township. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-255-1

Desai Ashwin AG and Vahed G "The flats of Bayview" in Chatsworth: The Making of a South African Township. 2013.University of KwaZulu Natal. ISBN. 978-1-86914-255-1

Desai Ashwin AG and Vahed G *"Trading in the township: a checkered history"* in Chatsworth: The Making of a South African Township. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-255-1

Desai Ashwin AG and Bond Parick and Ngwane Lincoln Trevor Sibusiso LTS "Uneven and combined Marxism within South Africa's urban social movements" in Marxisms in the 21st Century: Crises, Critique & Struggle. 2013. Wits University Press. ISBN. 978-1-86814-753-3

Everatt David D "'Ring of fire or a puff of (commentators') smoke?': youth,unemployment and transitions in Gauteng, South Africa" in Youth and Work Transitions in Changing Social Landscapes. 2013. Tufnell Pres. ISBN. 978-1-872767-58-1

Friedman Steven SE "What we know can't hurt them: origins, sources of sustenance, and survival prospects of budget transparency in South Africa" in Open Budgets: The Political Economy of Transparency, Participation, and Accountability. 2013. Brooking Institution Press. ISBN. 978-0-8157-2337

Geldenhuys Deon DJ "Apostleship: a South African national role conception" in Rethinking Foreign Policy. 2013. Routledge. ISBN. 978-0-415-63343-7

Groenewald Hanne-Liesel H, Huchzermeyer M, Kornienko K, Raposo I, Rubin DM and Tredoux M "Breaking down the binary: meanings of informal settlement in southern African cities" in Politics and Policies: Governing Cities in Africa. 2013. HSRC Press. ISBN. 978-0-7969-2416-2

Guse Catharina C and Fourie Gertruida G "Facilitating psychological well-being through hypnotherapeutic interventions" in Well-Being Research in South Africa: Cross-Cultural Advancements in Positive Psychology. 2013. Springer. ISBN. 978-94-007-6367-8

Habib Adam AM "Reflections of a university bureaucrat interested in advancing a progressive social agenda" in The Aims of Higher Education . 2013. Council on Higher Education. ISBN. 978-1-919856-84-1

Jansen Ena E *"Slavery and its literary after life in South Africa and on Curaqao"* in Shifting the Compass: Pluricontinental Connections in Dutch Colonial and Post-Colonial Literature. 2013. Cambridge. ISBN. 978-1-4438-4228-0

Keohane Oisin OE "Philosophy out of earshot of the school: Tocqueville and the "American philosophical method" " in Stanley Cavell, Literature, and Film: The Idea of America. 2013. Routledge. ISBN. 978-0-415-50964-0

Landsberg Christopher C, Maloka E and Pahad E "The fourth pillar: a century of solidarity in ANC politics" in The Future We Chose: Emerging Perspective on the Centenary of the ANC. 2013. Africa Institute of South Africa. ISBN. 978-0-7983-0436-8

Metz Thaddeus TH "A dilemma about the final ends of higher education – and a resolution" in The Aims of Higher Education. 2013. Council on Higher Education. ISBN. 978-1-919856-84-1

Metz Thaddeus TH "Meaning in life as the aim of psychotherapy: a hypothesis" in The Experience of Meaning in Life. 2013. Springer. ISBN. 978-94-007-6526-9

Mihindou Guy GR *"LSP lexicography in the academic discourse"* in Festschrift: Rufus H Gouws. 2013. SUN PReSS. ISBN. 978-1-920338-95-4

Motseke Dieketseng DM and Mazibuko Sibongile SG "Class and religion: denominations in Soweto" in Class in Soweto. 2013. University of KwaZulu Natal . ISBN. 978-1-86914-220-9

Phadi Mosa Martha MM and Ceruti Claire C *"Models, labels and affordability"* in Class in Soweto. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-220-9

Phadi Mosa Martha MM and Manda Owen O "The language of class: confusion, complexity and difficult words" in Class in Soweto. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-220-9

Strumpfer Deodandus DJW "Towards fortigenesis and fortology: an informed essay" in Well-Being Research in South Africa: Cross-Cultural Advancements in Positive Psychology. 2013. Springer. ISBN. 978-94-007-63678-8

Taylor Susanne S "Triple helix interaction for successful SADC human capital development: a focus on the cooperative education model" in Education Reforms in the SADC Region: Challenges and Responses in the 21st Century. 2013. Scientific & Adademic Publishing, USA. ISBN. 978-1-938681-03-5

Triegaardt Jean JD "Policies and institutional responses to refugees and migrants in South Africa" in Sozialarbeit des Suedens. Band 4 – Flucht und Fluechtlingslager (Social Work of the South). 2013.Paulo Freire Verlag Odenburg. ISBN. 978-3-86585-907-5 Vale Peter PCJ "Snapshots, synapsess and silences: social theory and military studies" in On Military Culture: Theory, Practice and African Armed Forces . 2013. UCT Press. ISBN. 978-1-77582-066-6

Vale Peter PCJ "The idea of security : a South African tale" in State of the Nation - South Africa 2012-2013. HSRC Press. 2013. ISBN. 978-0-7969-2422-3

Wale Kim K "Historical introduction to class in Soweto" in Class in Soweto. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-220-9

Wale Kim K "Perceptions of class mobility" in Class in Soweto. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-220-9

Walsh Shannon S "Forced intergration? A Chatsworth shack settlement" in Chatsworth: The Making of a South African Township. 2013. University of KwaZulu Natal. ISBN. 978-1-86914-255-1

- CONFERENCE PROCEEDINGS -

Amory Alan AM "The collaboration-authentic learning-tool mediation (CAT) framework: shifting from a paradigm of training towards an activity theory-based developmental approach" World Conference on Educational Media & Technology . 2013. Association for the Advancement of Computing in Education (AACE). ISBN. 978-1-939797-03-2

Amory Alan AM "The collaboration-authentic learning-tool mediation (CAT) framework: the design, use and evaluation of an academic professional development workshop" World Conference on Educational Media & Technology. 2013. Association for the Advancement of Computing in Education (AACE). ISBN. 978-1-939797-03-2

Benecke Dalien DR and Malinga Prince PS "Professional development through a student association: case of the student public relations association (SPRA) at the University of Johannesburg" 18th World Conference on Cooperative and Work-Integrated Education: "WIL-power - Fueling the Future Workforce". 2013. WACE. ISBN. 2152-0518

Bobbins Kerry KL "The legacy and prospects of the Gauteng city-region's mining landscapes" 08th International Conference on Urban Regeneration and Sustainability. 2013. WIT Press. ISBN. 978-1-84564-746-9

Kane Sandra S "Reading and writing in the Writing Centre: an integrative approach" Higher Education Learning and Teaching Association of Southern Africa Conference (HELTASA 2012) (Published 2013). HELTASA. ISBN. 978-0-620-55540-1

Keohane Elizabeth F "A return trip in the writer's imagination: Gide's le Voyaged d'Urien (1893)" 07th Annual Conference of the Society of Dix-Neuviemistes (Published 2013). Cambridge Scholars Publishing. ISBN. 978-104438-4764-3

Pritchard Maritha M "How social recruitment requires WIL students to manage a responsible digital footprint" 18th World Conference on Cooperative and Work-Integrated Education: "WIL-power - Fueling the Future Workforce". 2013. WACE . ISBN. 2152-0518

Taylor Susanne S and Govender Cookie CM "Towards a work integrated learning partnership model for higher education and industry - a human resource management pilot project" 18th World Conference on Cooperative and Work-Integrated Education: "WIL-power - Fueling the Future Workforce". 2013. WACE. ISBN. 2152-0518

- JOURNALS -

Abdool Karrim Ismail Husain H, Coetzee N, du Toit P, Joubert YT and Rudolph EC "Towards gaining a competitive advantage: the relationship between burnout, job satisfaction social support and mindfulness" Journal of Contemporary Management (DHET) 2013 Vol. 10

Abdullahi Ali AA, Raheem U and Saliman S "Environmental challenges and the quest for social justice in dam communities of Nigeria" Bangladesh e-journal of sociology (IBSS) 2013 Vol.10 No. 2

Abdullahi Ali AA, Senekal Anton A and Van Zyl-Schalekamp Cecilia CJ "Perceived threat of malaria and the use of insecticide treated bed nets in Nigeria" African Sociological Review (DHET) 2013 Vol. 17 No. 1

Adeagbo Oluwafemi O " 'We are not criminals, we are just victims of circumstances': an exploration of experiences of Nigerian immigrants' men that married South African women in Johannesburg" National identities (IBSS) 2013 Vol. 15 No. 3

AJordan Lucy Porter LP and Graham E "Does having a migrant parent reduce the risk of undernutrition for children who stay behind in South-East Asia?" Asian and Pacific Migration Journal (ISI) 2013 Vol. 22 No. 3

AJordan Lucy Porter LP, Graham E and Vinh N "Alcohol use among very early adolescents in Vietnam: what difference does parental migration make?" Asian and Pacific Migration Journal (ISI) 2013 Vol. 22 No. 3

Akpome Aghogho A " "Dancing masquerades": narrating postcolonial personhood in three novels" English in Africa (DHET) 2013 Vol. 40 No. 1

Akpome Aghogho A "Narrating a new nationalism: rehistoricization and political apologia in Chimamanda Ngozi Adichie's half of a yellow sun" English Academy Review (DHET) 2013 Vol. 30 No. 1

Akpome Aghogho A "Focalisation and polyvocality in Chimamanda Ngozi Adichie's half of a yellow sun" ENGLISH STUDIES IN AFRICA (ISI) 2013 Vol. 56 No. 2

Akpome Aghogho A "Ominous inevitabilities: reflecting on South Africa's post-transition aporia in Achmat Dangor's bitter fruit " Africa Spectrum (ISI) 2013 Vol. 48 No. 2

Alexander Peter P "Marikana, turning point in South African history" Review of African political economy (IBSS) 2013 Vol. 40 No. 138

Ashman Samantha Jane SJ and Fine Ben "Neo-liberalism, varieties of capitalism, and the shifting contours of South Africa's financial system" Transformation (IBSS) 2013 Vol. 81-82

Auriacombe Christelle CJ "In search of an analytical evaluation framework to meet the needs of governance" Journal of Public Administration (DHET) 2013 Vol. 48 No. 4.1

Auriacombe Christelle CJ and Silima Musandiwa Troy MT "The role of ward committees in citizen participation and the socioeconomic development of communities" Administratio Publica (DHET) 2013 Vol. 21 No. 3

Beukes Jarrod Trevor JT Coetzee N and Lynch I "Substance abuse inpatients' experience of animal-assisted therapy" Journal of Psychology in Africa (ISI) 2013 Vol. 23 No. 3

Boisen Camilla C "Subjecting international relations to the law of nature: a neglected aspect of the early modern jurist and Edumund Burke" Theoria: a journal of social and political theory (IBSS) 2013 Vol. 60 No. 134 (1)

Boisen Camilla C "The changing moral justification of empire: from the right to colonise to the obligation to civilise" HISTORY OF EUROPEAN IDEAS (ISI) 2013 Vol. 39 No. 3

Bradfield Justin J "Investigating the potential of micro-focus computed tomography in the study of ancient bone tool function: results from actualistic experiments" JOURNAL OF ARCHAEOLOGICAL SCIENCE (ISI) 2013 Vol. 40

Bredenkamp Francois F "The epigrams of loannes of Naupaktos in translation" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

Carolin Andrew ASF "Constructing post-colonial African sexualities: identities and discourses in Mardia Stone's Konkai and K. Sello Duiker's the quiet violence of dreams" Scrutiny2 (Unisa English Studies) (DHET) 2013 Vol. 18 No. 1

Carolin Andrew ASF and Frenkel Ronit R "Sex in the text: representations of same-sex male intimacies in K. Sello Duiker's the quiet violence of dreams" ENGLISH STUDIES IN AFRICA (ISI) 2013 Vol. 56 No. 2

Chasi Collin CT "Communication and expressing, not speaking, on AIDS" Critical Arts-South-North Cultural and Media Studies (ISI) 2013 Vol. 27 No. 3

Check Nicasius Achu NA "Internationalisation of the Cote d'Ivoire crisis: what lessons for Africa ?" Africa insight (IBSS) 2013 Vol. 42 No. 4

Check Nicasius Achu NA "Re-imaging ethnicity - revisiting the politics of violence in the Great Lakes region of Africa" Africa insight (IBSS) 2013 Vol. 43 No. 3

Chetty Suryakanthie S "Temple worship, Hinduism and the making of South African Indian identity" Journal of sociology and social anthropology (IBSS) 2013 Vol. 4 No. 02-Jan

Chowa Gina, Ansong D and Grunstein-Weiss M "Future orientation as a mediator between assets and perceived household economic stability: a structural equation modeling approach" SOCIAL WORK RESEARCH (ISI) 2013 Vol. 37 No. 2

Chowa Gina, Ansong D and Lesorogol C "The role of livestock inheritance and formal education in inter-generational wealth transmission among pastoralists in Samburu District, Kenya" Journal of developing societies (IBSS) 2013 Vol. 29 No. 2

Chowa Gina, Ansong D, Masa R and Wretman C "The impact of household possessions on youth's academic achievement in the Ghana youthsave experiment: a propensity score analysis" ECONOMICS OF EDUCATION REVIEW (ISI) 2013 Vol. 33

Chowa Gina, Masa R and Tucker J "The effects of parental involvement on academic performance of Ghanaian youth: testing measurement and relationships using structural equation modelling" CHILDREN AND YOUTH SERVICES REVIEW (ISI) 2013 Vol. 35

Cloete Gideon GS and Auriacombe Christelle CJ "Measuring empowerment in the democratic developmental state" Africa insight (IBSS) 2013 Vol. 43 No. 2

Cloete Gideon GS and Barclay D "A corporate governance framework for Sector Education and Training Authorities (SETAs)" African journal of public affairs (IBSS) 2013 Vol. 6 No. 2

Cloete Gideon GS and Rabie B "Toward evidence-based local economic development policy: outcome indicators for measuring local economic development results" Administratio Publica (DHET) 2013 Vol. 21 No. 3

Cloete Gideon GS and Sewell William WJ "Towards results-based developmental public governance in the Cape Town city-region of South Africa" Administratio Publica (DHET) 2013 Vol. 21 No. 2

Cornelius Eleanor E "Die benutting van leserskommentaar by die herskryf van 'n verbruikersdokument in gewone Afrikaans/ Using reader feedback to rewrite a consumer document in plain Afrikaans" LitNet Akademies (DHET) 2013 Vol. 10 No. 3

Croucamp Petrus PA and Malan L "The quantification and management of political and economic indicators of risk in the context of an electoral contest 2014" African journal of public affairs (IBSS) 2013 Vol. 6 No. 4

 $\label{eq:Culpin David J "Interruption as narrative technique in the Narrative of the Shipwreck of the Eole by C.E. Boniface" FORUM FOR MODERN LANGUAGE STUDIES (ISI) 2013 Vol. 49 No. 4$

Davis Corne C "Die belang van Niklas Luhmann vir kommunikasieteorie. 'n inleidende interpretasie/ An introduction and interpretation of Niklas Luhmann's theorising from within communication theory as a field" Tydskrif Vir Geesteswetenskappe (ISI) 2013 Vol. 53 No. 1

Dawson Hannah "HIV/AIDS, the erosion of social capital and the collapse of rural livelihoods in the Nkomazi district of South Africa" African journal of AIDS research (IBSS) 2013 Vol. 12 No. 4

De Klerk Nerina N and Shapiro Benjamin Joshua Nell BJN "A measuring instrument for the active consumer stakeholder concept among South African brand leaders" Communitas: Journal for Community Communication and Information Impact (DHET) 2013 Vol. 18

De Klerk Nerina N and Verwey Sonja S "Towards an emerging paradigm of strategic communication: core driving forces" Communicatio: South African Journal for Communication Theory and Research (DHET) 2013 Vol. 39 No. 3 Desai Ashwin AG " "Master coolie arrives": indenture and the origins of Hinduism in Natal" Journal of sociology and social anthropology (IBSS) 2013 Vol. 4 No. 02-Jan

Desai Ashwin AG "South Africa: between the second transition and a second term-a second Sharpeville" Capitalism, nature, socialism (IBSS) 2013 Vol. 24 No. 1

Desai Ashwin AG "The 1946-1948 passive resistance campaign in Natal, South Africa: origins and results" Journal of Natal and Zulu history (IBSS) 2013 Vol. 31 No. 2

Desai Ashwin AG "Theatre of struggle: black consciousness on Salisbury Island" Journal of Natal and Zulu history (IBSS) 2013 Vol. 31 No. 1

Desai Ashwin AG "Between the stretch and the stitch: politics, principle and practice" Education as Change (ISI) 2013 Vol. 17 No. 2

Desai Ashwin AG and Vahed G "Non-governmental organisations and xenophobia in South Africa: a case study of the Gift of the Givers (GOTG)" Alternation:Interdisciplinary Journal for the Study of the Arts and Humanities in Southern Africa (Formerly International Journal for the Study of Southern African Literature and Languages) (DHET) 2013 Vol. Special Edition No. 7

Desai Ashwin AG and Vahed G "The May 2008 xenophobic violence in South Africa: antecedents and aftermath" Alternation:Interdisciplinary Journal for the Study of the Arts and Humanities in Southern Africa (Formerly International Journal for the Study of Southern African Literature and Languages) (DHET) 2013 Vol. Special Edition No. 7

Du Rand Jan JA "Aseneth se drievoudige transformasie. Vergelykende momente in die apokriewe verhaal "Josef en Asenet" en die Pauliniese corpus/ Asenet's threefold transformation. Comparative moments in the apocryphal story: "Joseph and Aseneth" and the Pauline corpus" Acta Theologica (DHET) 2013 Vol. 33 No. 2

Dusseldorp Gerrit Leendert GL and Langejans Geeske G "Carry that weight: coastal foraging and transport of marine resources during the South African middle stone age" Southern African Humanities (ISI) 2013 Vol. 25

Dusseldorp Gerrit Leendert GL Lombard Marlize M and Wurz S "Pleistocene homo and the updated stone age sequence of South Africa" SOUTH AFRICAN JOURNAL OF SCIENCE (ISI) 2013 Vol. 109 No. 06-May

Esack Faried F "Redeeming Islam: constructing the good Muslim subject in the contemporary study of religion" Alternation:Interdisciplinary Journal for the Study of the Arts and Humanities in Southern Africa (Formerly International Journal for the Study of Southern African Literature and Languages)(DHET) 2013 Vol. 11

Fine Benjamin BJ "Economics – unfit for purpose: the Director's cut" Review of social economy (IBSS) 2013 Vol. 71 No. 3

Forster-Towne Claudia C "White hobby/Black opportunity: perceptions and motivations of police reservists in Johannesburg" South African Crime Quarterly (DHET) 2013 Vol. 46

Frassinelli Pier Paolo and Watson D "Precarious cosmopolitanism in O'Neill's Netherland and Mpe's Welcome to our Hilbrow" CLCWEB-Comparative Literature and Culture (ISI) 2013 Vol. 15 No. 5

Frenkel Ronit R "South African literary cartographies: a post-transitional palimpsest" ARIEL-A REVIEW OF INTERNATIONAL ENGLISH LITERATURE (ISI) 2013 Vol. 44 No. 1

Galetti Dino D"A time and place for Derrida's early logic" PHILOSOPHY TODAY (ISI) 2013 Vol. 57 No. 3

Gallagher Andrew A "Stature, body mass, and brain size: a two-million-year odyssey" Economics & Human Biology (ISI) 2013 Vol. 11

Georghiou Costa CA "Professional diplomacy" Africa insight (IBSS) 2013 Vol. 42 No. 4

Gobind Jenika J, Du Plessis Graham Alexander GA and Ukpere Wilfred WI "Perceptions of the domestic worker towards the basic conditions of employment act of South Africa" Journal of social sciences (IBSS) 2013 Vol. 37 No. 3

Graham Lauren LA, Cronin K, Lough B, Mavungo Eddy EM, Muchemwa L and Perold H "The colonial legacy of international voluntary service" COMMUNITY DEVELOPMENT JOURNAL (ISI) 2013 Vol. 48 No. 2

Graham Lauren LA, Moodley Jacqueline J and Selipsky Lisa LF "The disability-poverty nexus and the case for a capabilities approach: evidence form Johannesburg, South Africa" DISABILITY & SOCIETY (ISI) 2013 Vol. 28 No. 3

Gray S "Caught on tape: Dennis Brutus's questionable hold on poet Arthur Nortje" Current Writing (DHET) 2013 Vol. 25 No. 1

Gray S "Two dissident dream-walkers: the hardly explored reformist alliance between Olive Schreiner and Edward Carpenter" English Academy Review (DHET) 2013 Vol. 30 No. 2

Gray S "Sharing his South African interests: the case of Arthur Conan Doyle" English in Africa (IBSS) 2013 Vol. 40 No. 2

Gray S "Two African child soldiers: the Kourouma and Dongala contretemps" RESEARCH IN AFRICAN LITERATURES (ISI) 2013 Vol. 44 No. 3

Gray Stephen SR "Soul-brother Eugène N. Marais: some notes towards a re-edit of his works" Tydskrif vir letterkunde (ISI) 2013 Vol. 50 No. 2

Grogan Bridget BM "Sexual violence and the South African imaginary" English in Africa (DHET) 2013 Vol. 40 No. 1

Hamilton Lawrence LA "Power, domination and human needs" Thesis eleven (IBSS) 2013 Vol. 119 No. 1 $\,$

Hamilton Lawrence LA "Real modern freedom" Theoria: a journal of social and political theory (IBSS) 2013 Vol. 60 No. 137 $\,$

Hamilton Lawrence LA "The promise of political theory in South Africa" Politikon (ISI) 2013 Vol. 40 No. 3

FACULTY RESEARCH REPORTS

Hankela Elina Aulikki EA "Rules of reciprocity and survival in negotiating Ubuntu at the central Methodist mission in Johannesburg" Journal of Theology for Southern Africa (DHET) 2013 Vol. 147

Henderson William WJ "Digters en atlete: Olimpiese wenners en verloorders in die vroeë Griekse liriek/ Poets and athletes: Olympic winners and losers in early Greek lyric" Literator (DHET) 2013 Vol. 34 No. 1

Henderson William WJ "The classical association of South Africa, 1908 - 1956" Akroterion: Journal for the Classics in South Africa (DHET) 2013 Vol. 58

Henderson William WJ " 'He smiles and is gentle': the lighter side of Palladas of Alexandria" Acta Classica (ISI) 2013 Vol. 56 (LVI)

Hendrickx Benjamin BCE " "al-Kahina: the last ally of the Roman-Byzantines in the Maghreb against the Muslim Arab conquest?" Journal of Early Christian History: A journal for the Study of Early Christianity and Late Antiquity (Fomerly know as Acta Patristica et Byzantina) (DHET) 2013 Vol. 3 No. 2

 $\label{eq:hermitian} \begin{array}{l} \mbox{Hendrickx The class T ``Cultural and social differentiations according to the/ $\Delta IHFH$L$$$ TEPI TH$$$$ TEAEYTAIA$$ AAD$$ED$$$ TH$$$ DES$$AAD$NIKH$$"$ Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24 \\ \end{array}$

Hendrickx Theclas T and Hendrickx Benjamin BCE "The post-ducal 'Dukes of Naxos' of the 'per dignita first Duchy of Christendom': a re-examination and assessment" Journal of Early Christian History: A journal for the Study of Early Christianity and Late Antiquity (Fomerly know as Acta Patristica et Byzantina) (DHET) 2013 Vol. 3 No. 2

Hendrickx Theclas T and Hendrickx Benjamin BCE "Warfare in the chronicle(s) of Ioannina : some critical remarks" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

Howes Llewellyn L " "Blessed are the eyes that see": revealing the r
rdaction of Q 10:21-24" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

Howes Llewellyn L " "Placed in a hidden place": illuminating the displacement of Q 11:33, 34-35" Neotestamentica: Journal of the New Testament Society of South Africa (NTSSA)(DHET) 2013 Vol. 47 No. 2

Hutchinson Aisha, Dance C and Galavani S "Working with substance use: levels and predictors of positive therapeutic attitudes across social care practitioners in England" DRUGS-EDUCATION PREVENTION AND POLICY (ISI) 2013 Vol. 20 No. 4

Hyde-Clarke Nathalie N "Facebook and public debate: an informal learning tool for the youth" Journal of African Media Studies (ISI) 2013 Vol. 5 No. 2

Jacobs Gerrit GJ, De Bruin Karina K and Jacobs Melanie M "Praktyke en strategieë wat 'n kwaliteitsetos aan hoëronderwysinstellings behoort te koester / Practices and strategies that should nurture a quality ethos in higher education institutions" Tydskrif Vir Geesteswetenskappe (ISI) 2013 Vol. 53 No. 1

Jansen Ena E and Recourt Annemiek " 'I have never before in my life felt so agressively Dutch.' Jan Greshoff's first year in South Africa: How a cosmopolitan Dutchmann became an outsider/ "Ik heb me nog nooit van mijn leven zoo agressief-Hollandsch gevoeld." Jan Greshoffs eerste jaar in Zuid-Afrika: hoe een kosmopolitische Hollander een buitestaander werd" Tydskrif vir Nederlands en Afrikaans (DHET) 2012 Vol. 19 No. 2

Keohane Oissin Eoin OE "Fichte and the German idiom: the metaphysics of the addresses to the German nation" Nations and Nationalism (ISI) 2013 Vol. 19 No. 2 $\,$

Klausen Susanne M " "Birth in transition": medicalization, gender politics, and changing perceptions of childbirth in the United States and late imperial China" JOURNAL OF WOMENS HISTORY (ISI) 2013 Vol. 25 No. 3

Knight Zelda ZG "Black client, white therapist: working with race in psychoanalytic psychotherapy in South Africa" INTERNATIONAL JOURNAL OF PSYCHOANALYSIS (ISI) 2013 Vol. 94 No. 1

Kruger Gert GHJ and Brophy Mark M "Sex differences in the attribution of shame and guilt" Journal of Psychology in Africa (ISI) 2013 Vol. 23 No. 2

Kwatemba Godwin GWS "Old wine in new skins: Kenya's 2013 elections and the triumph of the Ancien régime" Journal of African Elections (DHET) 2013 Vol. 12 No. 3

Kyriakidis Savvas S "Observations on the military ideology of the so-called empire of Nicaea in the first years of its existence (Ca. 1204-1212)" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

Kyriakidis Savvas S "Warfare and propaganda: the portrayal of Andronikos II Palaiologos (1282-1328) as an incompetent military leader in the Histories of Johan VI Kantakouzenos (1347-1354)" BYZANTINE AND MODERN GREEK STUDIES (ISI) 2013 Vol. 37 No. 2

Landsberg Christopher C "The oligarchic-rationalist foreign policy" Journal for Contemporary History (DHET) 2013 Vol. 38 No. 2

Landsberg Christopher C "Continuity and change in the foreign policies of South Africa's De Klerk and Mandela governments, 1989-1999" Africa review: journal of the African Studies Association of India (IBSS) 2013 Vol. 5 No. 1

Layton Delia DM " 'Talk deep to write deeper': an exploration of the value of 'deep talk' in developing CALP" South African Journal of Higher Education (DHET) 2013 Vol. 27 No. 1

Lier Gudrun GE "Disruption in biblical narrative as mental stimulant for inner-biblical interpretation: the in 1 Samuel" Journal for Semitics/Tydskrif vir Semitistiek (DHET) 2013 Vol. 22 No. 2

Lombard Marlize M, De la Pena P and Wadley L "Quartz bifacial points in the Howiesons Poort of Sibudu" SOUTH AFRICAN ARCHAEOLOGICAL BULLETIN (ISI) 2013 Vol. 68 No. 198

Lombard Marlize M, Schlebusch C M and Soodyall H "Bridging disciplines to better elucidate the evolution of early homo sapiens in southern Africa" SOUTH AFRICAN JOURNAL OF SCIENCE (ISI) 2013 Vol. 109 No. 12-Nov

Lombard Marlize M, Schlebusch C M and Soodyall H "MtDNA control region variation affirms diversity and deep sub-structure in populations from southern Africa" BMC EVOLUTIONARY BIOLOGY (ISI) 2013 Vol. 13 No. 56

Lough Benjamin and Allum C "Effects of neoliberal adjustments on government-funded nal volunteer cooperation organisations" Development in practice (IBSS) 2013 Vol. 23 No. 7

Mackenzie Craig CH "Four unknown prison peoms by H.C. Bosman" English in Africa (IBSS) 2013 Vol 40 No 2

Mavee Shana SEA and Majam Tasneem T "Variables influencing public participation in local governance in Mozambique" Administratio Publica (DHET) 2013 Vol. 21 No. 4

Mavunga George G "A critical discourse analysis of pavement advertisements of herbal medicine and spiritual healing services in Central Johannesburg" Communicatio: South African Journal for Communication Theory and Research (DHET) 2013 Vol. 39 No. 1

Mavungu Mazembo EM "Stay in power whatever it takes: fraud and repression in the 2011 elections in the Democratic Republic of Congo". Journal of African Elections (DHET) 2013 Vol. 12 No. 3

Mavungu Mazembo EM "Provider expectations and father involvement: learning from the experiences of poor "absent fathers" in Gauteng, South Africa" African sociological review/ Revue Africaine de sociologie (IBSS) 2013 Vol. 17 No. 1

Mc Wade Christopher C "Bram Stoker's Dracula as saviour: a Nietzschean reading" Journal of Literary Studies (DHET) 2013 Vol. 29 No. 4

McCormick Tracey TL "Queering discourses of coming out in South Africa" Spil Plus (DHET) 2013 Vol 42

Menter Colin CG, Baker SE, Herries AIR, Hopley PJ and Kuyh BF "Brief communication: beyond the South African cave paradigm - australopithicus africanus from plio-leistocene paleosol depostis at Taung" AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY (ISI) 2013 Vol. 151 No. 2

Metz Thaddeus TH "The desirability of a property clause: Michelman's defence of constitutional liberalism" Stellenbosch Law Review (DHET) 2013 Vol. 24 No. 2

Metz Thaddeus TH " "The meaning of life lies in the search": Robert Kane's new justification of objective values" Social theory and practice (IBSS) 2013 Vol. 39 No. 2

Metz Thaddeus TH "Engaging with the philosophy of D.A. Masolo" Quest (IBSS) 2013 Vol. 02-Jan

Metz Thaddeus TH "The ethics of swearing: the implications of moral theories for oathbreaking in economic contexts" Review of social economy (IBSS) 2013 Vol. 71 No. 2

Metz Thaddeus TH "The western ethic of care or an Afro-communitarian ethic? Specifying the right relational morality" Journal of global ethics (IBSS) 2013 Vol. 9 No. 1

Metz Thaddeus TH "Two conceptions of African ethics" Quest (IBSS) 2013 Vol. 02-Jan

Midalev James JO "Social development and social protection: new opportunities and challenges" Development Southern Africa (ISI) 2013 Vol. 30 No. 1

Mohapi Moleboheng M "The middle stone age point assemblage from Umhlatuzana rock shelter: a morphometric study" Southern African Humanities (ISI) 2013 Vol. 25

Monvane Chelete C. "Is ukuthwala another form of 'forced marriage'?" South African Review of Sociology (IBSS) 2013 Vol. 44 No. 3

Moore Candice CE "Twenty years on, it's all academic: progressive South African scholars and moral foreign policy after apartheid" Politikon (ISI) 2013 Vol. 40 No. 3

Mtumane Zilibele Z and Bobelo Noxolo N "Nelson Rholihlahla Mandela's praise names as revealed in selected isiXhosa poetry" Southern African Journal for Folklore Studies (DHET) 2012 Vol. 22 No. 2

Mulaudzi Mbulaheni M and Liebenberg I "From apartheid to batho pele: an exploratory study on service delivery and public participation in Atteridgeville-Saulsville" Journal for Contemporary History (DHET) 2013 Vol. 38 No. 1

Munsaka Edson E and Charnley H " 'We do not have chiefs who are disabled': disability nt and culture in a continuing complex emergency" DISABILITY & SOCIETY (ISI) 2013 Vol. 28 No. 6

Musango Josephine JK, Ncube M and Zikhali P "The impact of climate variability or water and energy demand: the case of South African local governments" WATER AND ENVIRONMENT JOURNAL (ISI) 2013 Vol. 27

Naidoo Kammila K and Buiten D "Constructions and representations of masculinity in South Africa's tabloid press: reflections on discursive tensions in the Sunday Sun" Communicatio: South African Journal for Communication Theory and Research (DHET) 2013 Vol. 39 No. 2

Naidoo Kammila K and Uys Josephine JM "Youth sentiments about 'others' epistemological change, and belonging at a South African university" Commonwealth Youth and Development (DHET) 2013 Vol. 11 No. 2

Nel Danielle D "Risk governance in public private partnerships" Administratio Publica (DHET) 2013 V Omar Shaheda Bibi SB and Patel Leila L "Toward a risk assessment framework of child sexual offenders" Social Work Practitioner Researcher (DHET) 2013 Vol. 25 No. 2

Omar Shaheda Bibi SB and Patel Leila L "Toward a risk assessment framework of child sexual offenders" Social Work Practitioner Researcher (DHET) 2013 Vol. 25 No. 2

Paret Marcel Emil ME "Precarious labor politics: unions and the struggles of the insecure working class in the USA and South Africa" Critical sociology (IBSS) 2013 Vol. April Pargeter J "Rock type variability and impact fracture formation: working towards a more robust macro-fracture method" JOURNAL OF ARCHAEOLOGICAL SCIENCE (ISI) 2013 Vol. 40

Patel Leila L and Hochfeld Tessa T "Developmental social work in South Africa: translating

policy into practice" INTERNATIONAL SOCIAL WORK (ISI) 2013 Vol. 56 No. 5 Patel Leila L, Hochfeld Tessa T and Moodley Jacqueline J "Gender and child sensitive social protection in South Africa" Development Southern Africa (ISI) 2013 Vol. 30 No. 1

Perra Photeine P "Rest-places on the 'Silk Route': the caravan derails on the east border of the Byzantine world: ΑΝΑΠΑΥΣΗ ΚΑΙ ΕΥΟΧΙΑ ΣΤΟ ΔΡΟΜΟ ΤΗΣ ΜΕΤΑΞΗΣ' ΤΑ ΚΑΡΑΒΑΝ-ΣΕΡΑΓΙΑ ΣΤΟ ΑΝΑΤΟΛΙΚΟ ΣΥΝΟΡΟ ΤΟΥ ΒΥΖΑΝΤΙΝΟΥ ΚΟΣΜΟΥ1" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

Polatinsky Stefan S and Scherzinger Karen KI "Dying without death: temporality, writing, and survival in Maurice Blanchot's the instant of my death and Don DeLillo's falling man CRITIQUE-STUDIES IN CONTEMPORARY FICTION (ISI) 2013 Vol. 54 No. 2

Pretorius Hester HG and Morgan Brandon B "Women who kill in post-apartheid South Africa: a content analysis of media reports" Journal of Psychology in Africa (ISI) 2013 Vol. 23 No. 3

Pretorius Willem WJ "Historiese oorsig en problematiek van Suide-Afrikaanse Bantutale as skry-en onderrigtale: An Historical overview of the South African Bantu languages and the problems regarding these languages as written mediums and mediums of intstruction South African Journal of Cultural History (DHET) 2013 Vol. 27 No. 2

Rasool Bassadien Shahana S "Re-constructing discourses of love to facilitate help-seeking after woman abuse" Agenda (IBSS) 2013 Vol. 27 No. 2

Rodny Gumede Ylva Margareta YM "The local in the global: challenges of teaching global journalism" Ecquid Novi-African Journalism Studies (ISI) 2013 Vol. 34 No. 2

Romeijn Jan-Willem "Abducted by Bayesians?" Journal of Applied Logic (ISI) 2013 Vol. 11

Romeijn Jan-Willem, Morey RJ and Rouder JN "The humble Bayesian: model checking from a fully Bayesian perspective" BRITISH JOURNAL OF MATHEMATICAL & STATISTICAL PSYCHOLOGY (ISI) 2013 Vol. 66 No. 1

Ross Eleanor E and Hunter K "Stipend-paid volunteers in South Africa: a euphemism for lowpaid work?" Development Southern Africa (ISI) 2013 Vol. 30 No. 6

Ross Eleanor E and Mathebula S D "Realizing or relinquishing rights? Homeless youth, their life on the streets and their knowledge and experience of health and social services in Hillbrow, South Africa" SOCIAL WORK IN HEALTH CARE (ISI) 2013 Vol. 52 No. 5

Srila "Feminist 'radicality' and 'moderation' in times of crises and change SOCIOLOGICAL REVIEW (ISI) 2013 Vol. 61 No. S2

Saccaggi Carolina CF, Du Plessis Graham GA and Du Plessis Larise LM "The lived experiences of professional clinical psychologists who recently started a new academic career" Indo-Pacific Journal of Phenomenology (DHET) 2013 Vol. 13 No. 2

Sadie Aletta AY "The state of comparative politics in South African" Politikon (ISI) 2013

Sadiki Koko Francois KF "Warning whom, for which response? Appraisal of the early warning and early response mechanism of the economic community of central African states African Security Review (DHET) 2013 Vol. 22 No. 2

Sadiki Koko Francois KF "State-building, citizenship and the Banyarwanda question in the Democratic Republic of Congo" Strategic review for Southern Africa/Strategiese oorsig vir Suider-Afrika (IBSS) 2013 Vol. 35 No. 1

Sandon Emma "African mirror: the life and times of the South African newsreel from 1910 to 1948" JOURNAL OF SOUTHERN AFRICAN STUDIES (ISI) 2013 Vol. 39 No. 3

Sandon Emma "Cinema and high-life in the Gold Coast: the boy Kumasenu (1952)" SOCIAL DYNAMICS-A JOURNAL OF THE CENTRE FOR AFRICAN STUDIES UNIVERSITY OF CAPE TOWN (ISI) 2013 Vol. 39 No. 3

Schaffler Alexis A and Swilling M "Valuing green infrastructure in an urban environment under pressure - the Johannesburg case" ECOLOGICAL ECONOMICS (ISI) 2013 Vol. 86

Scherzinger Karen KI and Mill Colleen C "Allegory, the fantastic and trauma in Yann Martel's Life of Pi" Scrutiny2 (Unisa English Studies) (DHET) 2013 Vol. 18 No. 1

Schmid Jeanette J "Recounting stories on South African child welfare" SOCIAL WORK (ISI) 2013 Vol. 49 No. 3

Scott-Macnab David D "Medieval folk etymologizing and modern misconstruals of old French archegaie" ZEITSCHRIFT FUR FRANZOSISCHE SPRACHE UND LITERATUR (ISI) 2013 Vol 123 No 1

Scott-Macnab David D "The names of all manner of hounds: a unique inventory in a fifteencentury manuscript" Viator-Medieval and Renaissance Studies (ISI) 2013 Vol. 44 No. 3

Shandler Maxine M "Fostering quality graduates through access programmes" Journal for New Generation Sciences (DHET) 2013 Vol. 11 No. 2

Sobiecki Jean Francois JFS "An account of healing depression using ayahuasca plant teacher medicine in a Santo Daime ritual" Indo-Pacific Journal of Phenomenology (DHET) 2013 Vol. 13 No. 1

Sobiecki Jean Francois JFS, Beery M, Douglas G, Kroll F, Marinda E, Orr G and Rudolph M "A pilot study assessing the impact of a fortified supplementary food on the health and well-being of crèche children and adult TB patients in South Africa" PLoS One (ISI) 2013 Vol. 8 No. 1

Sparks Stephen SJW "New Turks and old Turks: the historiographical legacies of South African social history" Historia: journal of the Historical Association of South Africa (IBSS) 2013 Vol. 58 No. 1

Stones Christopher CR "A psycho-social exploration of street begging: a qualitative study" SOUTH AFRICAN JOURNAL OF PSYCHOLOGY (ISI) 2013 Vol. 43 No. 2

Tshivhase Mpho MT "Personhood: social approval or a unique identity?" Quest (IBSS) 2013 Vol. 02-Jan

Ulriksen Marianne Sandvad MS "The politics of social protection expenditure and financing in Southern Africa" Development Southern Africa (ISI) 2013 Vol. 30 No. 1

Uys Josephine JM and Senekal Anton A "Creating an ethogenic organization: the development and implementation of a whistle-blowing policy" African journal of business ethics (IBSS) 2013 Vol. 7 No. 1

Vale Peter PCJ "The university as a bombed town" Theoria: a journal of social and political theory (IBSS) 2013 Vol. 60 No. 134 (1)

Vale Peter PCJ "The study of politics in South Africa : a prolegomenon" Politikon (ISI) 2013 Vol. 40 No. 3

Vale Peter PCJ and Helliker K "Marxisms past and present" Thesis eleven (IBSS) 2013 Vol. 115 No. 1

Van Breda Adrian ADP "Psychosocial vulnerability of social work students" Social Work Practitioner Researcher (DHET) 2013 Vol. 25 No. 1

Van Rooven Carina C. Cox Ruth RJ and De Wet Thea D "Systematic review methodology for elopment: an example from micro-finance" Africanus: Journal of Development Studies (DHET) 2013 Vol. 43 No. 1

Van Staden Jacobus Frederik Du Plessis JFD "Applying East Asian media diplomacy models to African media" Africa insight (IBSS) 2013 Vol. 43 No. 2

Verbooy Carike C and Burger Kobie-Marie K "Nudity, celebrity and women abuse Marie Claire's 2009 'the naked issue' edition" Communicatio: South African Journal for Communication Theory and Research (DHET) 2013 Vol. 39 No. 1

Viviers Hendrik H "Of wise ants (Prov 6:6-8; 30:24-25) and repulsive dogs (Prov 26:11) – animal and human kinship according to proverbial wisdom and natural science' Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

Warria Ajwang Roseline RA, Nel Johanna JBS and Triegaardt Jean JD "Analysing South African legislative measures to protect trafficked children: a social work perspective Social Work Practitioner Researcher (DHET) 2013 Vol. 25 No. 1

Winkler Rafael R "Ousia, substance, essence: on the Roman understanding of being" Phronimon: Journal of the South African Society for Greek Philosophy and the Humanities (DHET) 2013 Vol. 14 No. 1

Winkler Rafael R "Nietzsche and Heidegger: ethics beyond metaphysics" JOURNAL OF THE BRITISH SOCIETY FOR PHENOMENOLOGY (ISI) 2013 Vol. 44 No. 3

Winkler Rafael R "Seinsverständnis and meaning in Heidegger" SOUTH AFRICAN JOURNAL OF PHILOSOPHY (ISI) 2013 Vol. 32 No. 2

Zacharopoulou Effrosyni E "A critical approach of Christian Nubia's relation with the Crusaders in the first centrue of Crusaders: MIA EPMHNEYTIKH Π PODELEIDEN THE EXECUTION THE ΧΡΙΣΤΙΑΝΙΚΗΣ ΝΟΥΒΙΑΣ ΜΕ ΤΟΥΣ ΣΤΑΥΡΟΦΟΡΟΥΣ ΚΑΤΑ ΤΟΝ ΠΡΩΤΟ ΑΙΩΝΑ ΤΩΝ ΣΤΑΥΡΟΦΟΡΙΩΝ" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24 Vol. 21 No. 4

Nortie-Meyer Susara SJ "Vilification in 2 Peter 2: a comparison with the letter of Jude" Scriptura: INTERNATIONAL JOURNAL OF BIBLE, RELIGION AND THEOLOGY IN SOUTHERN AFRICA (DHET) 2013 Vol. 112

Obweng Kizobo "The Hellenic community and its contribution to the development of the city of Lubumbashi (DRC) from 1880 to Present /La communaute hellenique et son apport au developpement de la ville de Lubumbashi (RDC) de 1880 a nos jours" Ekklesiastikos Pharos (DHET) 2013 Vol. 95 No. 24

FACULTY OF LAW Executive Dean: Prof Patrick O'Brien



The University of Johannesburg has brought together three academic cultures: those of Vista University, the TWR and RAU. Research and publication cultures and, similarly, facilities, resources and research time, differed drastically at these institutions. Although the number of potential researchers has increased, outputs have not kept pace. The challenge is to develop and empower new researchers over a period of time, while existing researchers are retained and utilised This requires time and patience, since one does not become a researcher overnight. The Faculty had four active research centres in 2013, namely the Research Centre for Private International Law in Emerging Economies, the Centre for Banking Law, the Centre for International Comparative Labour and Social Security Law

(CICLASS) and the South African Institute for Advanced Constitutional, Public, Human Rights and International Law (SAIFAC), which is based at the Old Fort on Constitution Hill, These research centres produced publications, arranged seminars and submitted reports to national and international bodies. Some of them were also involved with the training of students by way of non-subsidised programmes.

The number of subsidy-generating publication units the Faculty hopes to claim in respect of journal articles in 2013, is 53. The Faculty further hopes that its claims in respect of books, chapters in books and conference proceedings, will enable it to exceed its 2013 target of 57

Faculty members presented over 80 papers at conferences, symposia, workshops and the like, 37 of them delivered outside South Africa.

Three members of the Faculty participated in the updating of four of the standard reference books used in South African law (in insurance regulation, credit law, share-blocks and timesharing) and one student text book (banking and credit law).

FACULTY RESEARCH REPORTS

Members of the Faculty contributed to 16 articles in non-accredited journals and e-publications aimed at legal and other professionals, and wrote 16 book reviews.

Books/chapters in books based on research:

Prof MFB Reinecke (emeritus Professor) and Prof PM Nienaber (honorary Professor), together with Prof JP van Niekerk from Unisa published a monumental work in two parts: "Insurance Law": Parts 1 and 2 of Volume 12 of The Law of South Africa (ISBN: 978 0 409 10820 0), 2013, LexisNexis

Prof D Millard published

- Modern Insurance Law (ISBN: 978 1 485 10043 0), 2013, Juta.
- Prof Millard, jointly with Ms W Hattingh, also published: FAIS Multilingual Glossary (ISBN: 978 0 409 11342 6), 2013, LexisNexis.

Prof Kathleen van der Linde, jointly with Faber, D, Vermunt, N and Kilborn were the editors of: -Treatment of Contracts in Insolvency (978 0 19 966836 6), 2013, Oxford University Press.

Prof D Bilchitz, jointly with Prof S Deva from the City University of Hong Kong, edited: -- Human Rights Obligations for Business: Beyond the Corporate Responsibility to Respect (ISBN 978 1 107 03687 1), 2013, Cambridge University Press.

Several members of the Faculty contributed to chapters in books published abroad:

- Prof Kathleen van der Linde prepared the: "National report for South Africa" published in Dennis Faber, D; Vermunt, N, Kilborn, J & Van der Linde, K (eds) Treatment of Contracts in Insolvency (2013) 365-403, Oxford University Press.

Prof Wim Alberts wrote the chapter on South Africa in Bereskin, D (ed):

- International Trademark Dilution (2013) Thomson Reuter
- Prof George Mpedi, together with Prof ER Kalula and Prof N Smit wrote: - "Extending social security coverage to the excluded and marginalized: Perspectives on developments in South Africa" in International Social Security Association (ed) Social Security Coverage Extensions in the BRICS: A Comparative Study on the Extension of Coverage in Brazil, the Russian Federation, India, China and South Africa (2013) 135-154, International Social Security Association

Prof George Mpedi contributed three chapters to Becker, U, Pennings, F and Dijkhoff, T (eds) International Standard-Setting and Innovations in Social Security (2013), Kluwer namely: "HIV and AIDS in Southern Africa" 215- 227

- "Informal sector: Introduction" 285-293
- "Informal sector: Analysis" 313-318

Prof George Mpedi also co-authored, with Prof F Ross two chapters published in Frey, C and Lutz, R (eds) Flucht und Flüchtlingslager (2013), Paulo Freire Verlag, namely: "The protection of refugees and asylum seekers" Some perspectives from an international legal framework" 103-111; and

"The reception, accommodation and general protection of refugees in the Republic of South Africa" 202-214.

Prof George Mpedi was the sole author of "Current approaches to social protection in the Republic of South Africa" in Midgley, J and Piachaud, D (eds) Social Protection, Economic Growth and Social Change: Goals, Issues and Trajectories in China, India, Brazil and South Africa (2013) 217-141, Edward Elgar,

Dr WJ Du Plessis wrote:

'Protection of traditional knowledge in South Africa: does the 'commons' provide a solution?" in Frenkel, DA (ed) Public Law and Social Human Rights, (2013) 99-112, Athens Institute for Education and Research (ATINER), Athens, Greece.

Prof Hennie Strydom wrote:

- "Human security in the context of International Humanitarian Law and International Criminal Jawi In Lautensach, AK and Lautensack, SW (eds) Human Security in World Affairs: Problems and Opportunities (2013) 85-112, Caeserpress Vienna Austria;
- "Some perspectives on global governance, judicial review and climate change" in Ruppel, C, Roschmann, C and Ruppel-Schlichting, K (eds) Volume I *Climate Change, International Law* and Global Governance (2013) 687-709, Nomos Verlag. "The African Union and the responsibility to protect" in Sancin, V and Kovic-Dine, M
- (eds) The Responsibility to Protect in Theory and Practice (2013) 395-416, Zalozba Publishing, Liubliana, Slovenia,

Prof David Bilchitz wrote:

- "Constitutions and distributive justice: complementary or contradictory?" in Bonilla, D (ed) Constitutionalism of the Global South: the activist tribunals of India, South Africa and Colombia (2013) 41-94, Cambridge University Press; and contributed two chapters to Bilchitz, D and Deva, S (eds):
- Human Rights Obligations for Business: Beyond the Corporate Responsibility to Respect (2013) Cambridge University Press, namely: "A chasm between 'Is' and 'Ought'? A critique of the normative foundations of the SRSG's Framework and Guiding Principles" 107-137; and with Deva, S "The human rights obligations of business: A critical framework for the future" 1-26

As far as books published by South African publishers are concerned, Faculty members contributed **chapters** to the following new publications:

Prof David Bilchitz wrote:

- "Human rights beyond the state: Exploring the challenges" in Vilhena, O; Baxi, U and Viljoen, F Transformative Constitutionalism: comparing the apex courts of Brazil, India and South Africa (2013) 580-606 Pretoria University Law Press: Pretoria.
- Prof Charl Hugo wrote with Prof Reinhard Zimmermann
- "South African legal scholarship in the 20th century: The contribution of JC de Wet (1912-1990)" in Du Plessis, J and Lubbe, G A Man of Principle The Life and Legacy of JC de Wet – 'n Man van Beginsel Die Lewe en Nalatenskap van JC de Wet (2013) 3-22, Juta.
- Prof George Mpedi authored:
- "Social security disputes resolution and the need for a coherent adjudication system" in The Dispute Resolution Digest 2013 (2013) 76-93, Tokiso and Juta.

Mr MAT Nyenti, together with Olivier, M and Govindjee, A, contributed two chapters to Olivier, M, Dupper, O and Govindjee, A (eds) The Role of Standards in Labour and Social Security Law: International, Regional and National Perspectives (2013) Juta: - "The role of international and regional standards in the development of an appropriate

 I ne role of international and regional standards in the development of an appropriate rehabilitation, reintegration and return-to-work policy framework for South Africa" 216-238; and "Reforming the South African social security adjudication system: The role and impact of international and regional standards" 287-304.

Although the following chapters appeared in the second edition of a book (Schoeman, HC (ed) An introduction to South African Banking and Credit Law (2013) LexisNexis), they had to be written afresh in view of the introduction of new legislation or the substantial amendment of existing legislation:

- Schoeman, HC "Business Entities" 97-128;

Rostoll, ME "The Consumer Protection Act 68 of 2008" 249-284.

POSTGRADUATE GRADUATIONS 2013

Botha, Hendrina Christina; Thesis: Principles, requirements and techniques relating to the drafting of delegated legislation: A legal analysis. Supervisor: Prof EFJ Malherbe

RESEARCH OUTPUTS 2013

– BOOKS –

Reinecke Machiel MIB, Nienaber Petrus P and van Niekerk JP "The Law of South Africa - Volume 12 Part 1" 2013. LexisNexis. ISBN. 978-0-409-10820-0

Reinecke Machiel MIB, Nienaber Petrus P and van Niekerk JP "The Law of South Africa - Volume 12 Part 2" 2013. LexisNexis. ISBN. 978-0-409-11355-6

- CHAPTERS -

Bilchitz David DI "A chasm between 'is' and 'ought'? A critique of the normative foundations of the SRSG's framework and the guiding principles" in Human Rights Obligations of Business: Beyond the Corporate Responsibility to Respect? 2013. Cambridge University Press. ISBN. 978-1-107-03687-1

Bilchitz David DI "The human rights obligations of business: a critical framework for the future" in Human Rights Obligations of Business: Beyond the Corporate Responsibility to Respect? 2013. Cambridge University Press. ISBN. 978-1-107-03687-1

Bilchitz David DI "Constitutionalism, the global south, and economic justice" in Constitutionalism of the Global South: The Activist Tribunals of India, South Africa, and Colombia. 2013. Cambridge University Press. ISBN. 978-1-107-03621-5

Bilchitz David DI "Human rights beyond the state: exploring the challenges" in Transformative Constitutionalism: Comparing the apex courts of Brazil, India and South Africa . 2013. Pretoria University Law Press. ISBN. 978-1-920538-23-1

Nyenti Mathias MAT, Govindjee A and Olivier M "The role of international and regional standards in the development of an appropriate rehabilitation, reintegration and return-to-work policy framework in South Africa" in The Role of Standards in Labour & Social Security Law: International, Regional and National Perspectives. 2013. Juta. ISBN. 978-1-4851-0012-6

Nyenti Mathias MAT, Govindjee A and Olivier M "Reforming the South African social security adjudication system: the role and impact of international and regional standards" in The Role of Standards in Labour & Social Security Law: International, Regional and National Perspectives . 2013. Juta. ISBN. 978-1-4851-00126

Van der Linde Kathleen KE "National report for South Africa" in Treatment of Contracts in Insolvency, 2013, Oxford University Press, ISBN, 978-0-19-966836-6

- CONFERENCE PROCEEDINGS -

Du Plessis Wilhelmina WJ "Protection of traditional knowledge in South Africa: Does the 'commons' provide a solution?" Public Law and Social Human Rights: 10th Annual International Conference on Law . 2013. Athens Institute for Education and Research. ISBN. 978-618-5065-01-0

Heleba Siyambonga SC "Public participation in law making: the South African experience" 02nd Annual International Conference on Law, Regulations and Public Policy. 2013. Global Science and Technology Forum (GSTF). ISBN. 2251-3809

Watney Melvina MM "When does abuse of social media constitute a crime? A South African legal perspective within a global context" ISSE 2013 Securing Electronic Business Processes: Highlights of the Information Security Solutions Europe 2013 Conference. Springer Vieweg. ISBN 978-3-658-03370-5

- JOURNALS -

Alberts Riaan RW "I love the smell of perfume in the morning" - the L'Oreal case and trade mark infringement" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Aucamp Renee Louise RL "The incidental credit agreement: a theoretical and practical perspective (1)" Tydskrif vir hedendaagse romeins-hollandse reg/Journal of contemporary Roman-Dutch law (IBSS) 2013 Vol. 76 No. 3

Aucamp Renee Louise RL "The incidental credit agreement: a theoretical and practical perspective (2)" Tydskrif vir hedendaagse romeins-hollandse reg/Journal of contemporary Roman-Dutch law (IBSS) 2013 Vol. 76 No. 4

Barrie George GN "A bird's eye view of international law in the twentieth century : from the Hague peace conference to the Kyoto protocol : notes and comments" South African Yearbook of International Law (DHET) 2012 Vol. 37

Barrie George GN "Decisions of the extinct Appellate Committee of the House of Lords will continue to resonate in South African administrative, constitutional and international law" Southern African Public Law (SA Public Law) (DHET) 2013 Vol. 28 No. 2

Barrie George GN "The application of the doctrine of proportionality in South African courts" Southern African Public Law (SA Public Law) (DHET) 2013 Vol. 28 No. 1 Barrie George GN "Accepting state responsibility by means of an 'apology': the Australian and South African experience" Comparative and international law journal of Southern Africa (IBSS) 2013 Vol. 46 No. 1

Barrie George GN "Giving due consideration to views expressed by the child in family law proceedings: the Australian experience and lessons for South Africa" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Barrie George GN "The divergent constitutional approach to hate speech in South Africa and the United States" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 4

Barrie George GN "The United Nations declaration on the rights of indigenous people: implications for land rights and self-determination" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 2

Bilchitz David DI "Human rights accountability in domestic courts: does the kiobel increase the global governance gap?" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 4

Dafel Michael M "The negative obligations of the housing right: an analysis of the duties to respect and protect" South African Journal on Human Rights (ISI) 2013 Vol. 29 No. 3

Djoyou Kamga Serges SA "The right to basic sanitation: a human right in need of constitutional guarantee in Africa" South African Journal on Human Rights (ISI) 2013 Vol. 29 No. 3

Djoyou Kamga Serges SA and Fombad Charles "A critical review of the jurisprudence of the African commission on the right to development" Journal of African Law (ISI) 2013 Vol. 57 No. 2

Du Plessis Wilhelmina WJ "The usefulness of Michelman's utilitarian approach to compensation for expropriation in South Africa" Stellenbosch Law Review (DHET) 2013 Vol. 24 No. 2

Friedman Annemarie Louise AL and Otto Johannes JM "Section 103(5) of the National Credit Act 34 of 2005 as inspired by the common law in duplum rule (2)" Tydskrif vir hedendaagse romeinshollandse reg/Journal of contemporary Roman-Dutch law (IBSS) 2013 Vol. 76 No. 3

Friedman Annemarie Louise AL and Otto Johannes JM "Section 103 (5) of the National Credit Act 34 of 2005 as inspired by the common-law in duplum rule (1)" Tydskrif vir hedendaagse romeinshollandse reg/Journal of contemporary Roman-Dutch law (IBSS) 2013 Vol. 76 No. 2

Heleba Siyambonga SC and Djoyou Kamga Serges SA "Can economic growth translate into access to rights? Challenges faced by institutions in South Africa in ensuring that growth leads to better living standards" Sur: international journal on human rights (IBSS) 2012 Vol. 9 No. 17

Kapindu Redson RE "Courts and the enforcement of socioeconomic rights in Malawi: jurisprudential trends, challenges and opportunities" African human rights law journal (IBSS) 2013 Vol. 13 No. 1

Martinek Michaela MG "Comparative jurisprudence-what good does it do? History, tasks, methods, achievements and perspectives of an indispensable discipline of legal research and education" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Millard Daleen D "Hello, POPI? On cold calling, financial intermediaries and advisors and the protection of personal information bill" Tydskrif vir hedendaagse romeins-hollandse reg/Journal of contemporary Roman-Dutch law (IBSS) 2013 Vol. 76 No. 4

Millard Daleen D and Botha MM "The buck stops ... where, exactly? On outsourcing and liability towards third parties" Obiter (DHET) 2013 Vol. 34 No. 3

Millard Daleen D and Vergano Viviana V "Hung out to dry? Attorney-client confidentiality and the reporting duties imposed by the Financial Intelligence Centre Act 38 of 2001" Obiter (DHET) 2013 Vol. 34 No. 3

Nyenti Mathias MAT "Access to justice in the South African social security system: towards a conceptual approach" De Jure (DHET) 2013 Vol. 46 No. 4

Otto Johannes JM "Vetustas, onheuglike tye en die witpad by Langebaan" Fundamina: a Journal of Legal History (DHET) 2013 Vol. 19 No. 1

Otto Johannes JM "Berekope en die Consumer Protection Act" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Otto Johannes JM "Koop van 'n saak vir sy normale of vir 'n bepaalde doel. En die een en ander oor winkeldochters" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Otto Johannes JM "Onagsame wetsopstelling - die Nasionale Kredietwet op die operasietafel" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 2

Rautenbach Ignatius IM "Vonnisbespreking: rasionaliteit - die president se eie administratiefreg? Democratic alliance v President of the RSA 2012 12 BCLR 1261 (KH)" LitNet Akademies (DHET) 2013 Vol. 10 No. 2

Rautenbach Ignatius IM "Constitutional Court 1995 – 2012: how did the cases reach the court, why did the court refuse to consider some of them, and how often did the court invalidate laws and actions?" Potchefstroomse elektroniese regsblad/Potchefstroom electronic law journal (IBSS) 2013 Vol. 16 No. 4

Rautenbach Ignatius IM "Expropriation and arbitrary deprival of property: five forensic constructions" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 4

Rautenbach Ignatius IM "Overview of constitutional court judgments on the bill of rights - 2012" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 2

Rautenbach Ignatius IM "The liability of organizers for damage caused in the course of violent demonstrations as a limitations of the right to freedom of assembly" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Rautenbach Ignatius IM and Heleba Siyambonga SC "The jurisdiction of the constitutional court in non-constitutional matters in terms of the Constitution Seventeenth Amendment Act of 2012" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Reinecke Machiel MIB "Insurable interest" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 4

Roux Mispa M "The Erga Omnes obligation to prevent and prosecute gross human rights violations with special emphasis upon genocide and persecution as a crime against humanity" African Yearbook on International Humanitarian Law (DHET) 2012

Roux Mispa M "Reaction to early warnings of gross human rights violations: preventative steps that could be taken by the international community" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Schoeman Heidi HC "The rights granted to trade unions under the companies Act 71 of 2008" Potchefstroomse elektroniese regsblad/Potchefstroom electronic law journal (IBSS) 2013 Vol. 16 No. 3

Slade Bradley BV "The less invasive means argument in expropriation law" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 2

Sonnekus Jean JC "Koekoeskuikens en onbedoelde saakwaarnemings as grondslag vir 'n eis vir onverskuldigde betaling-enkele kritiese regsvergelykende opmerkings (1)" Tydskrif vir hedendagse romeins-hollandse reg/Journal of contemporary Roman-Dutch law (IBSS) 2013 Vol. 76 No. 4

Sonnekus Jean JC "Besitlose pandreg en notariële verbande - regsvergelykende lesse" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 4

Sonnekus Jean JC "Beskerming vervat in die wet op huweliksgoedere 88 van 1984 - vir wie?" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Sonnekus Jean JC "Brandversekering en lakse plaaslike owerhede - rus die skade waar dit val?" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 1

Sonnekus Jean JC "Eienaars en ander reghebbendes mag ervaar dat swye nie altyd goud werd is nie" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 2

Sonnekus Jean JC "Notariele verbande lei na twintig jaar duidelike wetgewing steeds tot verwarring" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 2

Sonnekus Jean JC "Tekenbevoeghede van 'n senior beampte ten bate van 'n universiteit waar bly die billikheid?" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Swart Mia M "Apartheid reparations: in search of an appropriate remedial theory" Southern African Public Law (SA Public Law) (DHET) 2013 Vol. 28 No. 1

Swart Mia M "Alternative fora for human rights protection? An evaluation of the human rights mandates of the African sub-regional courts" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Tuovinen Juha JT "The role of international law in constitutional adjudication: Genister v President of the Republic of South Africa" South African law journal (IBSS) 2013 Vol. 130 No. 4

Van der Linde Kathleen KE and Luiz S "The Financial Markets Act 19 of 2012: some comments on the regulation of market abuse" SA Mercantile Law (DHET) 2013 Vol. 25 No. 4

Van Staden Marthinus MJ "The role of the judiciary in balancing flexibility and security" De Jure (DHET) 2013 Vol. 46 No. 2

Van Staden Marthinus MJ "Onbillike arbeidspraktyke: 'n geslote begrip?" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Watney Melvina MM "Die grondwetlikheid van inhegtenisneming sonder lasbrief onder die soeklig" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 3

Watney Melvina MM "Moord en strafbare manslag by padsterftes" Tydskrif Vir Die Suid-Afrikaanse Reg (ISI) 2013 Vol. 4

Winks Benjamin BE and Milo D "Homeland: the development of the principle of open justice to protect South Africans from abuse of their asylum system" Journal of media law (IBSS) 2013 Vol. 5 No. 2

FACULTY OF MANAGEMENT Executive Dean: Prof Daneel van Lill



The Faculty of Management focuses on the applied managerial sciences. The strategic intent of the Faculty has shifted, since 2011, from administrative effectiveness and efficiency towards systemic and systematic development of steady, predictable growth. The Faculty is comparable to a home for seven academic departments and two schools, two research-based centres and an institute, as well as two centres focused on small business and social entrepreneurship development. The Faculty's research focus moved from a predominantly South African focus in three areas to a more diversified spread in eight areas based on 378 study titles in the 2011/12 period with the concomitant shift in focus and emphasis towards development into Africa.

POSTGRADUATE GRADUATIONS 2013

Swart, Magdalena Petronella (Leadership in Performance and Change); Thesis: A business tourism service quality scorecard for predicting tourist retention. Supervisor: Prof G Roodt

Brits, David Wilhelmus (Leadership in Performance and Change); **Thesis**: Building and validating a competency model delivered by a corporate university. **Supervisor**: Prof TH Veldsman

Naidoo, Vinessa (Leadership in Performance and Change); Thesis: Alignment of internal and external branding in a leader group. Supervisor: Prof WJ Schurink and Co-supervisor: Prof JE Coetzee Prof JE Coetzee Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN. 978-0-19-040801-5

FACULTY RESEARCH REPORTS

Odendaal, Aletta (Industrial Psychology); Thesis: The measurement of social desirability: A cross-cultural perspective. Supervisor: Prof GP De Bruin and Co-supervisor: Prof G Roodt Dunne, Ilke Noêlle (Personal and Professional Leadership); Thesis: Graduate identity development in the first year of work. Supervisor: Prof A Bosch

Letsoalo, Mositadi Bertha (Human Resource Development); Thesis: Stakeholders' perceptions of a human resources development intervention. Supervisor: Prof JE Coetzee

Lubbe, Isolde (Marketing Management); Thesis: Choice factors and the perceived value that influence prospective university students' intention to enrol – A choice model. Supervisor: Prof CJ Jooste and Co-supervisor: Prof D Petzer

Senne, Mathobosi Yvonne (Leadership in Performance and Change); Thesis: Individual and organisational barriers to gender equity: A comparative study of two South African universities. Supervisor: Prof S Nkomo

RESEARCH OUTPUTS 2013

- BOOKS -

Marnewick Carl C, Eloff M, Labuschagne L, Steyn H and Tobin P "Prosperous Report: The African Edition - Project Management vs Project Outcomes in Africa" 2013 Project Management South Africa ISBN. 978-0-620-56906-4

- CHAPTERS -

De Bruin Gideon GP and Taylor N "The basic traits inventory" in Psychological Assessment in South Africa: Research and Applications 2013 Wits University Press ISBN. 978-1-86814-578-2

Dhliwayo Shepherd S *"Entrepreneurship and competitive strategy"* in Service Science Research, Strategy and Innovation: Dynamic Knowledge Management Methods 2012 IGI Global ISBN. 978-1-4666-0077-5

Kondlo Kwandiwe KM "Africa's "unended quest" for emancipation" in Perspectives on Thought Leaders for Africa's Renewal 2013 Africa Institute of South Africa ISBN, 978-0-7983-0452-8

Veldsman Theo TH "People professionals fit for emerging countries" in Talent Management in Emerging Markets 2013 Knowres Publishing ISBN. 978-1-86922-194-2

- CONFERENCE PROCEEDINGS -

Arendse Jerome Rayford JR and Marnewick Carl C "The disparity between project success and project managers' competencies" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press. ISBN. 978-0-19-040801-5

Arthur Joel J and Rensleigh Christopher CW "Internet and web: the impact on the small church environment" 13th Annual Information and Knowledge Management Conference: A Case Study Approach 2013 University of Johannesburg ISBN. 978-0-620-59435-6

Barlow-Jones Glenda G and Van der Westhuizen Duan D "Digital literacy in the 21st century: fact or fiction?" World Conference on Educational Media & Technology 2013 Association for the Advancement of Computing in Education (AACE) ISBN. 978-1-939797-03-2

Barnard Zenia Z and Rensleigh Christopher CW "From conceptualization to commercialization: case study of a web-based research spinoff" 15th Annual Conference on World Wide Web Applications 2013 Cape Peninsula University of Technology ISBN. 978-0-620-59570-4

Bresler Marius M and De Meyer Christine CF "The influence of gender on the expectations of black generation Y clients towards their banks' CRM efforts" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN. 978-0-19-040801-5

Brits David Wilhelmus DW and Veldsman Theo TH "The crafting and validation of a global competency model for central bankers, and it's relationship with a central bank's global influence and standing" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Bronkhorst Seugnet S "How South Africa adapted after the global financial crisis and changes in South African circumstances" World Finance Conference 2013 World Finance Conference ISBN. 978-989-20-4030-1

Bronkhorst Seugnet S and Mqokiyana Nkululeko N "The regulation of hedge fund managers in South Africa - an impact assessment" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Bwalya Kelvin Joseph J, Du Plessis Tanya T and Rensleigh Christopher CW "A conceptual framework for e-government development in Zambia" 02nd International Conference on E-Leadership: Technology Innovation and Leadership in an Electronic Age 2013 University of Pretoria ISBN. 978-1-4799-2427-1

Chetty Jacqueline J and Van der Westhuizen Duan D "I hate programming" and other oscillating emotions experienced by novice students learning computer programming" World Conference on Educational Media & Technology 2013 Association for the Advancement of Computing in Education (AACE) ISBN. 978-1-93797-03-2

Chetty Jacqueline J and Van der Westhuizen Duan D "Meta-cognitive awareness and skill amongst students studying computer programming" ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology 2013 Unisa Press ISBN. 978-1-86888-742-2

Chetty Jacqueline J and Van der Westhuizen Duan D "The transient emotions and conceptions of students crossing a threshold while learning to program: a phenomenographic study" World Conference on Educational Media & Technology 2013 Association for the Advancement of Computing in Education (AACE) ISBN. 978-1-937977-03-2 Cunningham Nicole N, Bogaards Marlene M and De Meyer Christine CF "Investigating demographic and patronage differences with regard to the spreading of online word-of-mouth communication about cellphones" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN, 978-0-19-040801-5

De Meyer Christine CF and Petzer D "Product involvement and online word-of-mouth in the South African fast food industry" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities (GBATA) 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8

Deen Anisah A and Balkaran R "The evaluation of hospitality within a provincial hospital in the southern area of Durban, KZN" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Dhliwayo Shepherd S and Radioere S "The relationship between business start-up factors in the South African small enterprise sector" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN, 978-0-19-040801-5

Drotskie Adri A, Mphahlele Nkopodi Emmanuel NE and Swanepoel Elana E "Managers' attitudes towards workplace trade unionism at a coal mining company" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN, 978-0-19-040801-5

Drotskie Adri A and Oosthuizen Christiaan C "Sustainable competitive advantage and strategy: a framework to map corporate social contribution and opportunities" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Drotskie Adri A "Total customer experience and strategic differentiation" 2013 Annual Conference of the Emerging Markets Conference Board 2013 Nelson Mandela Metropolitan University Business School ISBN. 978-0-620-57660-4

Dube Partson P, Battle Kimberly KJ, Bvuma Mothlago MS and Muyengwa Goodwell G "Investigating the relationship between product modularity and supply chain integration" 06th International Conference on Engineering and Business Education 2013 University of Wismar, Germany ISBN, 978-3-942100-03-8

Erasmus Lesley Michael LM and Goldman Geoffrey GA "Mentoring and coaching in a public sector department in South Africa" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities (GBATA) 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8

Eve Samantha Claire SC and Goldman Geoffrey GA "African management thinking: what has happened to it?" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Ezeuduji Ikechukwu IO "Event-based rural tourism model for sub-saharan Africa" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

Ezeuduji Ikechukwu IO and Rid W "Rural tourism market segmentation: the case of the Gambia" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Frazer Mariette M and Jooste Christiaan CJ "Role perceptions of selling teams in the supply chain of a fast-moving consumer goods organisation" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN, 978-0-19-040801-5

Gatsheni Barnabas BN, Mangane J and Sikakane I "The design for a Johannesburg commuter rail of an incidence response system based on web services and UML" 15th Annual Conference on World Wide Web Applications 2013 Cape Peninsula University of Technology ISBN, 978-0-620-59570-4

Geyser Ita I, Crous Frederik F and Geldenhuys Madelyn M "Optimal experiences and time management behaviour in a South African culinary training environment" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Gobind Jenika J "Recognizing females in the South African workplace: did employment equity fail us?" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Gregory James Jenkins JJ and Swart MP "The moderating effect of biographic variables in the relationship between expo product and expo promotion – HuntEx 2012" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

Grobler Cornelia CP "A multilayered digital forensic framework" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN 1-931649-27-3

Hewitt Lia LMM and Roodt Gerhard G "The internal organization as antecedent in the entrepreneurial orientation model" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Heyns Gert GJ and Luke Rosemary-Jane R "Skills shortages as a barrier to the development of South Africa's global supply chains" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Ivanovic Milena M and Saayman M "In business with cultural heritage tourism: lessons from South Africa an emerging economy" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Ivanovic Milena M and Saayman M "In search of the holy grail of authentic tourist experience in cultural heritage tourism" 30th Pan Pacific Conference: Forging the Legacies of Emerging

Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Jackson Joni J and Mearns Martie MA "Enhancing the learning experience: student and teacher perceptions of e-learning applications" 15th Annual Conference on World Wide Web Applications 2013 Cape Peninsula University of Technology ISBN. 978-0-620-59570-4

Janse van Rensburg Lodewikus LJ, Bussin Mark MHR and Hewitt Lia LMM "An integrated coaching model in the context of e-coaching" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Kara Mohammed M and Swanepoel R "The impact of outsourcing project management in the banking industry of South Africa^{''} 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Kuthadi Venu VM and Selvarai Rajalakshmi "An doubly linked tree approach for web-service based e-learning" International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering 2013 Planetary Scientific Research Centre ISBN. 978-93-82242-50-5

Kuthadi Venu VM, Marwala Tshilidzi T, Ranjan Abhishek A and Selvaraj Rajalakshmi "Detection and avoidance of routing attack in mobile ad-hoc network using intelligent node" International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering 2013 Planetary Scientific Research Centre ISBN. 978-93-82242-50-5

Kuthadi Venu VM "Detection of Proficient and distinct motifs in sequence data sets using PSM" 07th International Conference on Intelligent Systems and Control 2013 Allied Publishers Pvt Ltd ISBN, 978-1-4673-4601-6

Le Coultre Beatrice Marie Therese BMT, Roberts-Lombard Mornay M and Van Tonder F The influence of trust and commitment on customer loyalty - an application to the four major banks and Capitec Bank" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN, 978-0-19-040801-5

Lefika Pheladi PT and Mearns Martie MA "Knowledge cafés as an effective technique for knowledge sharing: an academic perspective" 13th Annual Information and Knowledge Management Conference: A Case Study Approach 2013 University of Johannesburg ISBN. 978-0-620-59435-6

Leonard Llewellvn L "Environmental health practitioners and construction and centestation ove industrial risk: the case of local groundwater contamination in Merebank, Durban, South Africa" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN 1-931649-27-3

Leonard Llewellyn L "Grassroots empowerment against South African macroeconomic risks" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

Leonard Llewellyn L "Organizing for environmental justice: a comparison of German and South African civil society reflectiveness against industrial risks" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

Maake Happy Prince HP and Laughton Paul PA "Investigating the use of knowledge management amongst city of Johannesburg museums" 13th Annual Information and Knowledge Management Conference: A Case Study Approach 2013 University of Johannesburg ISBN 978-0-620-59435-6

Mabala Makwena Jane MJ and Groenewald Darelle D. "Corporate entrepreneurship in the public sector" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN, 978-0-19-040801-5

Makina Rumbidzai Charity RC and Bosch Anita A "Female dress style in a South African corporate workplace" Annual Paris Business and Social Science Research Conference 2013 World Business Institute Australia ISBN, 978-1-922069-27-6

Mbuya Mwepu Jean-Marie MJ and Bounds Maria MM "Comparing perceptions of the impact of skill strategies by small and medium enterprise owners in Johannesburg metropolitan" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Mbuya Mwepu Jean-Marie MJ and Bounds Maria MM "The importance level of specific skills as perceived by small and medium business owners" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN. 978-0-19-040801-5

Mpinganjira Mercy M and Mbango Phineas P "Profiling non-users of e-government services: in guest of e-government promotion strategies" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities (GBATA) 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8

Njenga Kennedy KN and Manganyi Nsovo Sharlotte NS "Espoused intentions and actual behaviour in wireless information security management" 02nd International Conference on E-Leadership: Technology Innovation and Leadership in an Electronic Age 2013 University of Pretoria ISBN. 978-1-4799-2427-1

Njenga Kennedy KN and Mushore Kudakwashe K "Service oriented architecture: theory-praxis on securing information systems" 02nd International Conference on E-Leadership: Techno Innovation and Leadership in an Electronic Age 2013 University of Pretoria ISBN. 978-1-4799-2427-1

Obwaka Angela Abiero AA and Goldman Geoffrey GA "The apparent disjoint between management research and management practice" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities (GBATA) 2013 GBATA & EBSCO Publishing ISBN 1-932917-09-8

Pandy Wayde Roderick WR and Rogerson Christian CM "Climate change and tourism: critical issues for business development in South Africa" 30th Pan Pacific Conference: Forging the

Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3 market orientation, job satisfaction and flexibility" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3 Van Zyl Henrike Fischer HF and Nieuwenhuizen Cecile C "Managing the work-life balance of working mothers" 15th Annual International Conference: Globalizing Business for the

Pandy Wayde Roderick WR and Rogerson Christian CM "The timeshare industry in an emerging economy: contemporary South African challenges" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8 ISBN. 1-931649-27-3

Potgieter Andrea A and Maboa Tebogo Dijeloang TD "Identifying an approach for implementing knowledge management" Paris European International Academic Conference 2013 The Clute Institute ISBN. 1539-8757

Potgieter Andrea A "Online social networks and employee productivity: a longitudinal study" 05th Annual American Business Research Conference 2013 World Business Institute Australia ISBN. 978-1-922069-24-5

Rassaki Abdoul A and Nel Andre AL "Quality of service in MPLS networks" 15th IASTED International Conference on Control and Applications 2013 ACTA Press (Zurich, Calgary, Anaheim) ISBN, 978-0-88986-958-5

Roberts-Lombard Mornay M and Gaworek H "A multidisciplinary argument for the alignment of two disciplines - marketing and design" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities (GBATA) 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8

Roberts-Lombard Mornay M and Goldman Geoffrey GA "Differences in ethical beliefs and intentions of university students - a case study perspective" 25th Annual Conference of the South African Institute for Management Scientists: Celebrating 25 years of Management Resilience 2013 Oxford University Press ISBN. 978-0-19-040801-5

Roberts-Lombard Mornay M, Conradie ES and Klopper H B "The influence of eight internal marketing elements on brand awareness in the services sector - a developing conomy perspective" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities (GBATA) 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8

Rogerson Christian CM "Enhancing market access opportunities for micro-enterprise and small enterprises in emerging economies: South African policy issues" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Rogerson Christian CM "Set-asides to support SMME development; international experience, South African dilemmas" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Rogerson Christian CM "Tourism-agriculture linkages and pro-poor tourism: evidence from emerging economies" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Roodt Gerhard G and Mouzouris Christina C "The development of an engaging leadership climate questionnaire" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Stiehler Beate BE and Toscani G "Political art: an investigation of the Jacob Zuma spear painting" Annual Conference of the Academy of Marketing Science: Ideas in Marketing: Finding the New and Polishing the Old 2013 Academy of Marketing Science ISBN. 0-939783-40-1

Swart Magdalena Petronella MP and Roodt Gerhard G "Mapping the contours of a business tourist service quality scorecard prediction model" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649 -27-3

Taylor Susanne S and Govender Cookie CM "Towards a work integrated learning partnership model for higher education and industry - a human resource management pilot project" 18th World Conference on Cooperative and Work-Integrated Education: "WIL-power -Fueling the Future Workforce" 2013 WACE ISBN. 2152-0518

Thomas Deon Mark DM and Marnewick Carl C "A tentative information systems model for supply chain agility" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

Thomas Peta PH "The development of an organisations' knowledge through business events: the value of event organizers and the organization in event design" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Ukpere Wilfred WI, Ogbo Ann I and Orga Chukwudi "Technical staff motivation in Nigeria: a strategic imperative" International Conference on Modeling and Simulation in Engineering, Economics, and Management 2013 Springer ISBN. 978-3-642-38278-9

Van der Westhuizen Pieter PH and Kesa Hema H "Developing skills through work integrated learning: important or unimportant?" 18th World Conference on Cooperative and Work Integrated Education: "WIL-power - Fueling the Future Workforce" 2013 WACE ISBN, 2152-0518

Van der Westhuizen Pieter PH and Kesa Hema H "Integrating service learning theory and practice in community settings: approaches, opportunities and ongoing challenges" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN. 1-931649-27-3

Van Tonder Christian CL and Miyamoto T "The sense of organization identity (SoOI)... systematically inching forward" 15th Annual International Conference: Globalizing Business for the Next Century: Visualizing and Developing Contemporary Approaches to Harness Future Opportunities 2013 GBATA & EBSCO Publishing ISBN. 1-932917-09-8

Van Tonder Estelle F. Roberts-Lombard Mornay M and Van Vuuren Tertius T. "The influence of three antecedents of CRM on customer loyalty in a service enviro nent" 07th Internationa Business Conference 2013 North-West University ISBN. 978-0-620-55786-3

Van Wyk Rene R "The optimal functioning of familiness as familiness capital and its relationship with psychological capital" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

Van Wyk Rene R and Adonis M "The relationship between corporate entrepreneurship.

FACULTY RESEARCH REPORTS

Veldsman Theo TH and Wort Albert AR "Addressing the need for better and different leadership in a reframed/reframing world: what are the leadership development leading practices?" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies 2013 Pan-Pacific Business Association ISBN, 1-931649-27-3

- JOURNALS -

Abbott Penelope Margaret PM. Coetzee Josef JE and Coetzee Xenia X "The human resource function contribution to human development in South Africa" SA Journal of Human Resource Management (DHET) 2013 Vol. 11 No. 1

google scholar: a content comprehensiveness comparison" ELECTRONIC LIBRARY (ISI) 2013 Vol. 31 No. 6

Becker Jurgen JR, Brits NM and Meiring Deon "Investigating the construct validity of a development assessment centre" SA Journal of Industrial Psychology (Journal of Industrial Psychology)(DHET) 2013 Vol. 39 No. 1

Bothma Filippus Cornelius FC and Roodt Gerhard G "The validation of the turnover intention scale" SA Journal of Human Resource Management (DHET) 2013 Vol. 11 No. 1

Brand Conrad, Havenga W and Visagie J "Revisiting the validity and reliability of the gallup workplace audit in a South African petrochemical company" Journal of social sciences (IBSS) 2013 Vol. 37 No. 1

Burger Daniel DH, Crous Frederik F and Roodt Gerhard G "Exploring a model for finding meaning in the changing world of work (Part 3: meaning as framing context)" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 2

Butler Gareth G and Hannam Kevin "Contrasting performances of tourist and migrant mobilities in Norwegian hostels" Scandinavian Journal of Hospitality and Tourism (ISI) 2013 Vol. 13 No. 3

Butler Gareth G and Richardson Scott "Young Sowetans and tourism participation: identifying opportunities to develop further engagement with South African national parks" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD)(DHET) 2013 Vol. Supplement 2

Chaderopa Chengeto C and Chaderopa Chengeto C "Cross-border cooperation in transvation-development initiatives in southern Africa: the role of borders of boundary conser the mind" TOURISM MANAGEMENT (ISI) 2013 Vol. 39

Conradie Elizabeth ES, Klopper Hendrik HB and Roberts-Lombard Mornay M "Strengthening brand awareness through internal marketing: an application to the car rental industry Journal of Contemporary Management (DHET) 2013 Vol. 10

De Bruin Gideon GP and Henn Carolina CM "Dimensionality of the 9-item Utrecht Work Engagement Scale (UWES-9)" PSYCHOLOGICAL REPORTS (ISI) 2013 Vol. 112 No. 3

De Bruin Gideon GP, Aquinis H, Culpepper SA, Dalton DR and Gottfredson RK "Doing good and doing well: on the multiple contributions of journal editors" Academy of Management Learning & Education (ISI) 2013 Vol. 12 No. 4

De Bruin Gideon GP, Antonietti J, Becker Jurgen JR, Gvorkos Christina, Massoudi Koorosh, Pocnet C and Rossier Jerome "Comparing the horizontal and vertical individualism and collectivism scale and the Auckland individualism and collectivism scale in two cultures: Switzerland and South Africa" CROSS-CULTURAL RESEARCH (ISI) 2013 Vol. 47 No. 3

De Bruin Gideon GP, Henn Carolina CM, Hill Carin C and Muller Klaus Peter KP "Dimensionality of the UWES-17: an item response modelling analysis" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 2

De Bruin Gideon GP, Meiring Deon, Nel Jan Alewyn, Rothmann S, Valchev Velichko H and Van De Viiver Fons JR "Similarities and differences in implicit personality concepts across ethno-cultural groups in South Africa" JOURNAL OF CROSS-CULTURAL PSYCHOLOGY (ISI) 2013 Vol 44 No 3

De Jager Cherylene C, Muller Anton A and Roodt Gerhard G "Developing creative and innovative thinking and problem-solving skills in a financial services organization" SA Journal of Human Resource Management (DHET) 2013 Vol. 11 No. 1

De Mever Christine CF. Petzer D, Svari S and Svensson Leif LG "Investigating perceived justice in South African health care" Journal of Contemporary Management (DHET) 2013 Vol. 10

Du Plessis Leon L and Roberts-Lombard Mornay M "Customer loyalty in the South African long-term insurance industry" Acta Commercii (DHET) 2013 Vol. 13 No. 1

Du Plooy Janine J and Roodt Gerhard G "Biographical and demo-graphical variables as moderators in the prediction of turnover inte tions" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 1

Dube Busani B and Roberts-Lombard Mornay M "A guiding framework for conducting focus group research" Journal of Contemporary Management (DHET) 2013 Vol. 10

Eloff Morne M and Carstens Stephanus SC "Managing the maintenance inventory of a cement manufacturer" Journal of Transport and Supply Chain Management (DHET) 2013 Vol. 7 No. 1

Ezeuduji Ikechukwu IO "Nigerian tourists to South Africa: challenges, expectations and nands" Acta Commercii (DHET) 2013 Vol. 13 No. 1

Ezeuduji Ikechukwu IO "Strategic event-based rural tourism development for sub-Saharan Africa" Current Issues in Tourism (ISI) 2013 Vol. 16 No. 08-Jul

Gobind Jenika J and Ukpere Wilfred WI "Idle gossip and dismissal: a breeding ground for

workplace litigation" Journal of communication [Delhi] (IBSS) 2013 Vol. 4 No. 2

Gobind Jenika J, Du Plessis Graham Alexander GA and Ukpere Wilfred WI "Perceptions of domestic worker towards the basic conditions of employment act of South Africa" Journal of social sciences (IBSS) 2013 Vol. 37 No. 3

Goldman Geoffrey GA "Reflections on capitalism: insights from modern music" Journal of social sciences (IBSS) 2013 Vol. 36 No. 2

Hall Michael C "Framing behavioural approaches to understanding and governing sustainable tourism consumption: beyond neo-liberalism, "nudging" and "green growth"?" Journal of Sustainable Tourism (IS) 2013 Vol. 21 No. 7

Hall Michael C "Framing tourism geography: notes from the underground" ANNALS OF TOURISM RESEARCH (ISI) 2013 Vol. 43

Hall Michael C, Gossling S and Scott D "Challenges of tourism in a low-carbon economy" Wiley Interdisciplinary Reviews-Climate Change (ISI) 2013 Vol. 4 No. 6

Hall Michael C, Gossling S and Scott D "The primacy of climate change for sustainable international tourism" SUSTAINABLE DEVELOPMENT (ISI) 2013 Vol. 21 No. 2

Hampton Mark P and Daldeniz B "Dive tourism and local communities: active participation or subject to impacts? Case studies from Malaysia" International Journal of Tourism Research (ISI) 2013 Vol. 15 No. 5

Hampwaye Godfrey "Benefits of urban agriculture: reality or illusion?" GEOFORUM (ISI) 2013 Vol. 49

Hill Carin C, Adams Byron BG, De Bruin Gideon GP, French Luan L, Morton Nadia N, Valchev Velichko H and Van De Vijver Fons JR "The construct validation of the relationship harmony and soft-heartedness scales of the South African personality inventory" South African Journal of Psychology (DHET) 2013 Vol. 43 No. 2

Hill Carin C, Adams Byron BG, De Bruin Gideon GP, Meiring Deon, Nel Jan Alewyn, Valchev Velichko H and Van De Vijver Fons JR "Developing and testing items for the South African personality inventory (SAPI)" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 1

Hill Carin C, de Klerk M, Koekemoer E and Nel Jan Alewyn "The development of the MACE work-family enrichment instrument" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 2

Ittmann Hans HW "A review of the Tom Rozwadowski medal" Orion: Journal of the Operations Research of South Africa (DHET) 2013 Vol. 29 No. 1

Ivanovic Milena M and Saayman M "South Africa calling cultural tourists" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 3

Ivanovic Milena M and Saayman M "Telling or selling? Experiencing South African cultural heritage tourism products" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 3

Johnston Claire CS, De Bruin Gideon GP, Geldenhuys Madelyn M, Gyorkos Christina, Massoudi Koorosh and Rossier Jerome "Sense of coherence and job characteristics in predicting burnout in a South African sample" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 1

Joseph Renjini RM, Havenga W, Linde H, Van Vrede F and Visagie J "A theoretical and empirical analysis of gender differences within the African business environment" Managing global transitions (IBSS) 2013 Vol. 11 No. 1

Kondlo Kwandiwe KM "Tracking down the dialectic of the 'ethical' and the 'political' in public leadership: does presidential leadership carry the burden of ethical duty?" Journal of Public Administration (DHET) 2013 Vol. 48 No. 4

Kondlo Kwandiwe KM and Mello D "Intersection of parallels - editing the editor" Journal of Public Administration (DHET) 2013 Vol. 48 No. 3

Kuthadi Venu VM "A new data stream mining algorithm for interestingness rich association rules' JOURNAL OF COMPUTER INFORMATION SYSTEMS (ISI) 2013 Vol. 53 No. 3

Kuthadi Venu VM and Selvaraj Rajalakshmi "A modified hiding high utility item first algorithm (HHUIF) with item selector (MHIS) for hiding sensitive item-sets" International Journal of Innovative Computing Information and Control (ISI) 2013 Vol. 9 No. 12

Leonard Llewellyn L "The relationship between the conservation agenda and environmental justice in post-apartheid South Africa: an analysis of Wessa KwaZulu-Natal and environmental justice advocates" South African Review of Sociology (IBSS) 2013 Vol. 44 No. 3

Lubbe Isolde I and Petzer D "Key information sources influencing prospective students' university choice: a South African perspective" South African Journal of Higher Education (DHET) 2013 Vol. 27 No. 4

Luke Rosemary-Jane R and Heyns Gert GJ "Public transport policy and performance: the results of a South African public opinion poll" Journal of Transport and Supply Chain Management (DHET) 2013 Vol. 7 No. 1

Luke Rosemary-Jane R and Walters Jacobus J "Overview of the developments in the domestic airline industry in South Africa since market deregulation" Journal of Transport and Supply Chain Management (DHET) 2013 Vol. 7 No. 1

Lukhele Sipho SE and Mearns K "The operational challenges of community-based tourism ventures in Swaziland" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Maduku Daniel DK "Predicting retail banking customers' attitude towards internet banking services in South Africa" Southern African Business Review (DHET) 2013 Vol. 17 No. 3

Malambe Lucas L and Bussin Mark MHR "Short-term incentive schemes for hospital managers" SA Journal of Human Resource Management (DHET) 2013 Vol. 11 No. 1

Marnewick Carl C "To mature or not to mature: the information systems conundrum"

South African Computer Journal (DHET) 2013 Vol. 51

Mbara Tatenda T and Celliers Cynthia C "Travel patterns and challenges experienced by University of Johannesburg off-campus students" Journal of Transport and Supply Chain Management (DHET) 2013 Vol. 7 No. 1

Mdletye Mbongeni Andile MA, Coetzee Josef JE and Ukpere Wilfred WI "Emotional reactions to the experiences of transformational change: evidence from the Department of Correctional Services of South Africa" Mediterranean journal of social sciences (IBSS) 2013 Vol. 4 No. 14

Mpinganjira Mercy M "An empirical investigation of factors affecting the adoption of e-government services" Journal of Contemporary Management (DHET) 2013 Vol. 10

Muller Klaus KP and Roodt Gerhard G "Content validation: the forgotten step-child or a crucial step in assessment centre validation?" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 1

Ncube Sibangilizwe S, Bussin Mark MHR and De Swardt Lukas LPV "Confirming theoretical pay constructs of a variable pay scheme" SA Journal of Human Resource Management (DHET) 2013 Vol. 11 No. 1

Nel Ettienne and Rogerson Christian CM "Special economic zones in South Africa: reflections from international debates" Urban forum (IBSS) 2013 Vol. 24 No. 2

Njenga Kennedy KN and Ndlovu Sifiso Wellington SW "On rational choice, risk and utility in mobile banking" African Journal of Information & Communication (DHET) 2013 Vol. 13

Nkosi Ellen Yvonne EY, Bounds Maria MM and Goldman Geoffrey GA "Skills required for the management of Black-owned small enterprises in Soweto" Acta Commercii (DHET) 2013 Vol. 13 No. 1

Nunkoo Robin and Smith SLJ "Political economy of tourism: trust in government actors, political support, and their determinants" TOURISM MANAGEMENT (ISI) 2013 Vol. 36

Nunkoo Robin, Alders T, Hosany S and Prayag G "London residents' support for the 2012 Olympic games: the mediating effect of overall attitude" TOURISM MANAGEMENT (ISI) 2013 Vol. 36

Nunkoo Robin, Gursoy D and Ramkissoon H "Use off structural equation modeling in tourism research: past, present and future" Journal of Travel Research (ISI) 2013 Vol. 52 No. 6

Nunkoo Robin, Ramkissoon H and Smith SLJ "Residents' attitudes to tourism: a longitudinal study of 140 articles from 1984 to 2010" Journal of Sustainable Tourism (ISI) 2013 Vol. 21 No. 1

Ojiako Gordaan GU and Marshall A "Managing risk through the veil of ignorance" JOURNAL OF RISK RESEARCH (ISI) 2013 Vol. 16 No. 10

Ojiako Gordaan GU, Chipulu M and Maguire S "Delivering below the line in project management - a conceptual exploration" Acta Commercii (DHET) 2013 Vol. 13 No. 1

Ojiako Gordaan GU, Chipulu M, Johnson J and Manungo T "The impact of regulation on risk perception: evidence from the Zimbabwean banking industry" AFRICAN DEVELOPMENT REVIEW-REVUE AFRICAINE DE DEVELOPPEMENT (IS) 2013 Vol. 25 No. 3

Ojiako Gordaan GU, Nguyen T and Shen S "Modelling the predictive performance of credit scoring" Acta Commercii (DHET) 2013 Vol. 13 No. 1

Opie Tracy TJ and Henn Carolina CM "Work-family conflict and work engagement among mothers: conscientiousness and neuroticism as moderators" SA Journal of Industrial Psychology (Journal of Industrial Psychology) (DHET) 2013 Vol. 39 No. 1

Pandy Wayde Roderick WR and Rogerson Christian CM "An historical overview of the establishment of timeshare recreation accommodation in South Africa (1978-1982)" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Pandy Wayde Roderick WR and Rogerson Christian CM "The timeshare industry of South Africa: analysis and contemporary challenges" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Pandy Wayde Roderick WR and Rogerson Christian CM "The timeshare industry of Africa: a study in tourism geography" Bulletin of geography: socio-economic series (IBSS) 2013 Vol. 21

Paris Cody Morris, Biaett V and Tyrrell T "A quantified triple bottom line for tourism: experimental results" Journal of Travel Research (ISI) 2013 Vol. 52 No. 3

Pillay Manisha M and Rogerson Christian CM "Agriculture-tourism linkages and pro-poor impacts: the accommodation sector of urban coastal KwaZulu-Natal, South Africa" APPLIED GEOGRAPHY (ISI) 2013 Vol. 36

Potgieter Andrea A, Dube Busani B and Rensleigh Christopher CW "Knowledge management awareness in a research and development facility: investigating employee perceptions" South African Journal of Information Management (DHET) 2013 Vol. 15 No. 2

Roberts-Lombard Mornay M and Du Plessis Leon L "The influence of trust and commitment on customer loyalty: a case study of liberty life" Acta Academica (DHET) 2012 Vol. 44 No. 4

Roberts-Lombard Mornay M, Du Plessis Leon L and Strachan Lauren Elizabeth LE "The influence of trust, commitment and conflict-handling on customer loyalty: a parallel investigation" Journal of Economic and Financial Sciences (DHET) 2013 Vol. 6 No. 1

Rogerson Christian CM "Reframing local economic development futures in South Africa" Journal of Public Administration (DHET) 2013 Vol. 48 No. 4

Rogerson Christian CM "Responsible tourism and local linkages for procurement: South African debates and evidence" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Rogerson Christian CM "Small tourism firms in South Africa: the changing role of tourism enterprise partnership" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 1

Rogerson Christian CM "Tourism and local development in South Africa: challenging local governments" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Rogerson Christian CM "Improving market access opportunities for urban small, medium and micro-enterprises in South Africa" Urbani izziv (IBSS) 2013 Vol. 24 No. 2 Van Wyk Rene R "The manifestation of familiness resources and psychological capital as familiness capital: a conceptual analysis" International business and economics research journal (IBSS) 2013 Vol. 12 No. 9

Rogerson Christian CM "Urban tourism, economic regeneration and inclusion: evidence from South Africa" Local economy (IBSS) 2013 Vol. 28 No. 2

Rogerson Christian CM and Letsie Tokelo T "Informal sector business toursim in the global south: evidence from Maseru, Lesotho" Urban forum (IBSS) 2013 Vol. 24 No. 4

Rogerson Christian CM and Rogerson Jayne JM "African tourism scholarship: trends in academic journal publishing" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Rogerson Christian CM and Thornton A "African cities and the millennium development goals: a case for applied geography" APPLIED GEOGRAPHY (ISI) 2013 Vol. 36

Rogerson Christian CM, Hunt Holly and Rogerson Jayne JM "Safari lodges and local economic linkages in South Africa" Africanus: Journal of Development Studies (DHET) 2013 Vol. 43 No. 1

Rogerson Christian CM, Rogerson Jayne JM and Simango S "From recreation to niche tourism: the transformation of birdwatching in South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Saarinen J and Kajan E "Tourism, climate change and adaptation: a review" Current Issues in Tourism (ISI) 2013 Vol. 16 No. 2

Saarinen J, Atlhopheng Julius, Hambira Wame L and Manwa H "Climate change adaptation practices in nature-based tourism in Maun in the Okavango Delta area, Botswana: how prepared are the tourism businesses?" Tourism review international (IBSS) 2013 Vol. 17

Saarinen J, Atlhopheng Julius, Hambira Wame L and Manwa H "Perceptions of tourism operators towards adaptations to climate change in nature-based tourism: the quest for sustainable tourism in Botswana" Pula: Botswana journal of African studies (IBSS) 2013 Vol. 27 No. 1

Saarinen J, Hall CM and Tervo-Kankare K "Christmas tourists' perceptions to climate change in Rovaniemi, Finland" Tourism Geographies (ISI) 2013 Vol. 15 No. 2

Saarinen J, Puhakka R and Saarinen J "New role of tourism in national park planning in Finland" Journal of Environment & Development (ISI) 2013 Vol. 22 No. 4

Spenceley Anne and Rylance Andrew "Living outside the fence: opportunities for neighbouring communities to supply products and services to the Sabi Sand game reserve, South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Tabane Ramaesela Dorcas Tshepisho RDT, Bosch Anita A and Roodt Gerhard G "Organization value-person value congruence and the relation to organizational commitment" South African Journal of Labour Relations (DHET). 2013 Vol. 37 No. 1

Ukpere Wilfred WI and Frank Etim O "Administration of national integration in Nigeria: the challenges and prospects" Mediterranean journal of social sciences (IBSS) 2013 Vol. 4 No. 14

Ukpere Wilfred WI and Mgba C "Religious resurgence and international relations mainstrear theories: the imperative for theoretical rethink and expansion" Mediterranean journal of social sciences (IBSS) 2013 Vol. 4 No. 14

Ukpere Wilfred WI and Ogbo Ann I "Management of designed safety adherence model for the Nigerian work environment" Journal of human ecology (IBSS) 2013 Vol. 41 No. 3

Ukpere Wilfred WI and Ukandu NE "Effects of poor training and development on the work performance of the fast food employees in Cape Town" Mediterranean journal of social sciences (IBSS) 2013 Vol. 4 No. 14

Ukpere Wilfred WI, Coetzee Rein and Visagie J "A proposed leadership competency model for effective organizational change intervention" Journal of social sciences (IBSS) 2013 Vol. 36 No. 3

Ukpere Wilfred WI, Ejem EA, Onyemechi C and Ugboaja PC "Role of trade associations on entrepreneurial development in Nigeria's road transport industry" Journal of social sciences (IBSS) 2013 Vol. 37 No. 1

Ukpere Wilfred WI, Ikeogu Christopher C, Stephens MS and Ugboaja PC "A comparative analysis of analog and digital gantries in Nigeria's hydrocarbon depot management" Mediterranean journal of social sciences (IBSS) 2013 Vol. 4 No. 14

Ukpere Wilfred WI, Lauretta NE and Ogbo Ann I "Risk management and challenges of climate change in Nigeria" Journal of human ecology (JBSS) 2013 Vol. 41 No. 3 $\,$

Ukpere Wilfred WI, Ogbo Ann I and Okechukwu Itanyi "Business ethics as a tool for competitive advantage in the banking industry in Nigeria" Journal of social sciences (IBSS) 2013 Vol. 35 No. 1

Ukpere Wilfred WI, van der Merwe J and van Graan Johan "Effective service delivery: a leadership challenge for policing" Mediterranean Journal of social sciences (IBSS) 2013 Vol. 4 No. 14

Van den Berg Hugo H, Labuschagne J and van den Berg U "The effects of greening the supplier and innovation on environmental performance and competitive advantage" Journal of Transport and Supply Chain Management (DHET) 2013 Vol. 7 No. 1

Van Der Merwe Clinton David CD and Rogerson Christian CM "Industrial heritage tourism at the 'Big Hole', Kimberley, South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Van Jaarsveld Leani L, Heyns Gert GJ and Kilbourn Peter PJ "Logistics opportunity costs: a mining case study" Journal of Transport and Supply Chain Management (DHET) 2013

FACULTY RESEARCH REPORTS

Vol. 7 No. 1

Van Wyk Rene R and Adonis M "The prediction of flexibility and its relationship with work variables" Journal of applied business research (IBSS) 2013 Vol. 29 No. 6 $\,$

Vimba Mkhuseli Cyprian MC, Coetzee Josef JE and Ukpere Wilfred WI "A relationship between leadership work ethic and organizational performance in the public sector" Journal of social sciences (IBSS) 2013 Vol. 35 No. 2

FACULTY OF SCIENCE Executive Dean: Prof Annah Moteetee



In 2013, 35 had a research output in journals, proceedings and books of 2.0 or more units as indicated below. This is one individual less than the 36 recorded in 2012 and compares very well with the 28 in 2011 and 20 in 2010. It is very gratifying to see an increasing number of staff members being involved in active research but it is also disturbing to note that there are senior staff members who have had no published output in the recent past. There were also no Post-doctoral fellows who had achieved an output of 2 units or more.

Staff members and visiting Professors who had 2 or more

| publication units in 2013 | | | | | |
|---------------------------|------------|---------------------------------|--|--|--|
| Staff member | Department | Total Publication Units in 2013 | | | |
| VAN WYK, B-E | BOT | 11.46 | | | |
| HENNING, MA | MAT | 7.91 | | | |
| ROGERSON, JM | GGR | 7.50 | | | |
| STRYDOM, AM | PHY | 6.65 | | | |
| MAMBA, BB | APC | 6.53 | | | |

Subsidised publication output

The tables and diagram below illustrate the subsidized publication output for 2013 and also for the past 6 years.

The Faculty has submitted a subsidy claim to the Department of Higher Education and Training (DHET) of a total of 230.12 research units. While this numbers marginally below the output of 2012 (which was 235.06) it is well above the 2011 output of 196.19 and the 2010 output of 135.48 units. In line with the Faculty's drive to enhance its international footprint and exposure, it is gratifying to note that 94.2% of the journal units in 2013 were published in international journals of high repute. This figure compares well with the 92.2% achieved in 2012.

The units for 2013 in the different subsidy categories are:

| Journals | 194.68 |
|-------------------|--------|
| Proceedings | 10.43 |
| Books | 21.77 |
| Chapters in books | 3.24 |
| τοται | 220 12 |

MASTER'S AND DOCTORAL STUDENTS AND GRADUATES AND PUBLICATIONS GENERATED BY STUDENTS

| Applicant | Date of Application | Reference Number (if registered) | Project from Which it was developed | Countries of Registration | Dept |
|--------------------------|------------------------|---|---|---|------|
| Cronje MJ, Meijboom R | 06/12/2011 | South African Patent Application No. 2011/08944 | Novel metallo- drugs induce apoptosis in cancer cells (I) | RSA | BIC |
| Cronje MJ, Meijboom R | 14/01/2013 | South African Patent Application No. 2013/00235 | Novel metallo- drugs induce apoptosis in cancer cells (II) | RSA | BIC |
| Cronje MJ, Meijboom R | 06/12/2012 | International Patent Application No. PCT/ IB2012/057029). | Novel metallo- drugs induce apoptosis in cancer cells (I) | RSA (submitted to Patent Office in Switzerland, awaiting outcome of examination) | BIC |

| Applicant | Date of Application | Reference Number (if registered) | Project from Which it was developed | Countries of Registration | Dept |
|--------------------------|---------------------------------------|---|---|------------------------------|------|
| Cronje MJ, Meijboom R | 12/2013 | International Patent to be filed in Dec 2013. | Novel metallo-drugs have anti-microbial activity | USA | BIC |
| Meijboom R; Cronje MJ | 06.06.2013 | WO Patent 2,013,084,185 | | PCT | CEM |
| Meijboom R; Cronje MJ | 06.12.2013 | Not filed yet | | PCT | CEM |
| Connell SH | In Progress with the UJ Commer- | | Mineral-PET - Detection of Explosives by PET | To be advised | PHY |
| Cook M | cialisation Office | | | | PHY |
| Connell SH | In Progress with the UJ | | Diamond Physics - Quantum | To be advised | PHY |
| Cook M | Commer- cialisation Office | | Security | | PHY |
| Dekadjevi DT | 17-Nov-11 | | Magnetic Properties of | France | PHY |
| Prinsloo ARE | - | | Polycristalline Ferromagnetic /Multife rroic Nanostructures. | | PHY |
| Strydom AM | | | | | PHY |
| Snyman JL | | | | | PHY |
| Youssef BJ | | | | | PHY |

Research income and expenditure

All academics can apply to the Faculty Research Fund and the Central Research Fund through the Faculty's Research Committee for financial support for well-motivated projects that meet the specified requirements. The Faculty of Science aims at encouraging all academics to be involved in research and the training of postgraduate students. The University's contribution with regard to research funding includes the following sources: the SASOL, Walker, Dean's and Central Research Fund. The Faculty's Research Committee evaluates all applications for funding by the SASOL, Walker, and Central Research Funds. Academics may apply to the Dean on ad hoc-basis for support for activities that are research-related and which cannot be funded in any other way.

POSTGRADUATE GRADUATIONS 2013

Adams, Feyisayo Victoria (Chemistry); Thesis: Polysulfone/B-Cyclodextrin polyurethane mixedmatrix composite nanofiltration membrane for water treatment. Supervisor: Prof RWM Krause, Co-supervisor: Prof BB Mamba and Co-supervisor: Prof EMV Hoek (University of California)

Chatiza, Fungayi Primrose (Zoology); Thesis: Characterization of testes and functional evaluation of cryopreserved epididymal spermatozoa from three South African antelope species. Supervisor: Prof GM Wagenaar, Co-supervisor: Prof TL Nedambale (Animal Production Institute, Pretoria) and Co-supervisor: Dr P Bartels (Wildlife Biological Resources NECSA)

Crafford, Dionne (Zoology); Thesis: Aspects of the biology of selected monogenean parasites from fish in the Vaal Dam, South Africa. Supervisor: Prof A Avenant-Oldewage and Co-supervisor: Dr W Luus-Powell (University of Limpopo)

Dlamini, Derrick Sibusiso (Chemistry); Thesis: Polymer composites and Nanofiltration membranes and their application in Water Treatment. Supervisor: Prof AK Mishra and Co-supervisors: Prof BB Mamba and Co-supervisor: Prof EMV Hoek (University of California in Los Angeles, USA)

Dlamini, Langelihle Nsikayezwe (Chemistry); Thesis: Doped Nanotitanium Dioxide for Photocatalytic Applications. Supervisor: Prof RVM Krause and Co-supervisor: Prof GU Kulkarni (Jawaharlal Nehru Center for Advanced Scientific Research, India) and Co-supervisor: Dr SH Durbach (University of Witwatersrand)

James, Jacinda Terry (Biochemistry); Thesis: Determination and manipulation of biologically active triterpenoid secondary metabolites in Centella asiatica. Supervisor: Prof IA Dubery

Kuvarega, Alex Tawanda (Chemistry); Thesis: Photocatalytic performance of nitrogen-platinum group metal co-doped TiO2 supported on carbon nanotubes for visible light degradation of organic pollutants in water. Supervisor: Prof RWM Krause and Co-supervisor: Prof BB Mamba

Madala, Ntakadzeni Edwin (Biochemistry); Thesis: Metabolomic studies of biotransformationrelated changes in plant metabolism in response to isonitrosoacetophenone treatment. Supervisor: Prof IA Dubery and Co-supervisor: Prof PA Steenkamp (CSIR) and Co-supervisor: Dr LA Piater

Malinga, Soraya Phumzile (Chemistry); Thesis: β-Cyclodextrin dendritic polymers and nanostructured materials for water treatment. Supervisor: Prof BB Mamba and Co-supervisor: Prof RWM Krause and Co-supervisor: Prof S Mapolie (University of Stellenbosch)

Mbukwa, Elbert Anyambilile (Chemistry); Thesis: Selective Bio-analytical Methods for the Specific Identification and Detection of Toxic Microcystis Species and Microcystins in Water. Supervisor: Dr TAM Msagati and Co-supervisor: Prof BB Mamba

McCoy, John Patrick (Mathematics); Thesis: Paired Domination in Graphs. Supervisor: Prof MA Henning

Mokae, Motsidisi Lorraine Lolo (Aquatic Health); Thesis: Histomorphology as a tool to assess

the health status of five economically important fish species in the Okavango Delta Panhandle, Botswana. Supervisor: Prof GM Wagenaar and Co-supervisor: Prof NJ Smit (North-West University) Mwangi, Isaac Waweru (Chemistry); Thesis: Functionalized synthetic- and bio-sorbents for removal of inorganic and organic contaminants in water. Supervisor: Prof JC Ngila and Co-supervisor: Dr P Ndunq'u (University of KwaZulu Natal) and Co-supervisor: Dr T AM Msaqati

Robbertse, Johannes Lodewickes (Mathematical Statistics); Thesis: Estimation of parameters and tests for parameter changes in fractional Gaussian noise. Supervisor: Prof F Lombard

Rogerson, Jayne Margaret (Geography); Thesis: The South African hotel industry 1990 – 2010: Changing structural, special and investment patterns. Supervisor: Prof NJ Kotze

Snyman, Jasper Lodewyk (Physics); Thesis: The magnetocaloric effect in rare-earth intermetallic compounds. Supervisor: Prof AM Strydom

Malherbe, Charl Wynand (Aquatic Health); Thesis: Validation and implementation of an ecological risk assessment (ERA) framework for pesticide use in the Vaalharts irrigation scheme. Supervisor: Prof V Wepener and Co-supervisor: Prof JHJ van Vuren

Ncube, Phendukani (Chemistry); Thesis: Fluorescent molecular sensors based on photoresponsive modified β -cyclodextrin and crown ethers for detecting organic molecules and metal ions in water. Supervisor: Prof RWM Krause and Co-supervisor: Prof BB Mamba

Peratheepan, Karthigesu Pararajasingam (Physics); **Thesis:** Thermal, electronic and magnetic properties of the cage-structured rare-earth system RT2AI10 (R = rare-earth and T = d-electron element). **Supervisor:** Prof AM Strydom

Vorster, Clarisa (Geology); Thesis: Laser ablation ICP-MS age determination of detrital zircons populations in the phanerozoic Cape and lower Karoo Supergroups (South Africa) and correlatives in Argentina. Supervisor: Prof JD Kramers and Co-supervisor: Prof NJ Beukes and Co-supervisor: Dr H van Niekerk

Wabo, Hervé (Geology); Thesis: Paleomagnetism of post-Transvaal sill complexes, selected dykes, and the Uitkomst Complex – relation to the Bushveld Complex. Supervisor: Dr MO de Kock and Co-supervisor: Prof NJ Beukes

RESEARCH OUTPUTS 2013

– BOOKS –

Buscher Bram Erik BE "Transforming the Frontier: Peace Parks and the Politics of Neoliberal Conservation in Southern Africa" 2013 Duke University Press ISBN. 978-0-8223-5420-8

Cairncross Bruce B and Beukes Nicolas NJ "The Kalahari Manganese Field: The Adventure Continues" 2013 Struik Nature ISBN. 978-1-92057-288-4

Henning Michael MA and Yeo Anders A "Total Domination in Graphs" 2013 Springer ISBN. 978-1-4614-6524-9

Van Wyk Ben-Erik B, Magee Anthony AR and Tilney Patricia PM "African Apiaceae: A Synopsis of the Apiaceae/Umbelliferae of Sub-Saharan Africa and Madagascar" 2013 Briza Publications ISBN. 978-1-920146-05-4

Van Wyk Ben-Erik B "Culinary Herbs & Spices of the World" 2013 University of Chicago Press & Kew Publishing, Royal Botanic Gardens Kew ISBN. 978-1-84246501-1

- CHAPTERS -

Ellefsen Ian ID and Von Solms Sebastiaan SH "A community-oriented approach to CIIP in developing countries" in Securing Critical Infrastructures and Critical Control Systems: Approaches for Threat Protection 2013 IGI Global ISBN. 978-1-4666-2659-1

Fosso Kankeu Elvis E, Fonteh P and Mishra Ajay AK "High-technology therapy using biomolecules or synthetic compounds for HIV inhibition" in Nanomedicine for Drug Delivery and Therapeutics 2013 Wiley (Scrivener Publishing) ISBN. 978-1-118-41409-5

Grobler Martha MM, Jansen van Vuuren J and Zaaiman J "Changing the face of cyber warfare with international cyber defense collaboration" in Case Studies in Information Warfare and Security for Researchers, Teachers and Students 2013 Academic Conferences and Publishing International Limited ISBN. 978-1-909507-06-7

Kothandapani Babu B and Mishra Ajay AK "Synthesis of carbon nano-tubes and its application of polymer en-grafted in cellular up-take" in Applications of Carbon Nanotubes 2013 Nova Science Publishers, Inc. ISBN. 978-1-62081-918-0

Kothandapani Babu B and Mishra Ajay AK "Synthesis of poly(methacrylate) encapsulated magnetite nano-particles via phosphonic acid anchoring chemistry and its applications toward biomedicine" in Nanomedicine for Drug Delivery and Therapeutics. 2013 Wiley (Scrivener Publishing) ISBN. 978-1-118-41409-5

Maebana Molahlegi MO and Mishra Shivani S "The beneficial utilization of an amorphous waste material: coal fly ash" in Amorphous Materials: New Research 2013 Nova Science Publishers, Inc. ISBN. 978-1-62417-678-4

Maina John JN "Molecular and Biological Aspects of Lung Development: Current Status of Understanding and Future Research Directions" in Advances in Medicine and Biology Volume 60 2013 Nova Science Publishers, Inc ISBN. 978-1-62417-122-2

Maina John JN "Structure and function of the avian respiratory system, with observation on its predisposition to injury by particulates and pathogenic microorganisms" in Birds: Evolution and Behavior, Breeding Strategies, Migration and Spread of Disease 2013 Nova Science Publishers, Inc ISBN. 97-8-162948-104-3

Mishra Ajay AK "An introductory note on carbon nano-tubes" in Carbon Nanotubes: Synthesis and Properties 2013 Nova Science Publishers, Inc. ISBN. 978-1-62081-914-2

Mishra Ajay AK and Maity A "Synthesis, reaction and mechanism of polymer-carbon nano-tubes nano-composites" in Carbon Nanotubes: Synthesis and Properties 2013 Nova Science Publishers, Inc. ISBN. 978-1-62081-914-2

Mishra Shivani S and Pandey S "Bioceramics: Silica-based Organic-Inorganic Hybrid Materials

for Medical Applications" in Nanomedicine for Drug Delivery and Therapeutics 2013 Wiley (Scrivener Publishing) ISBN. 978-1-118-41409-5

Mishra Shivani S "Carbon nano-tubes: multifunctional and multidimensional nano-biosystems for diagnostics and therapeutics" in Applications of Carbon Nanotubes 2013 Nova Science Publishers, Inc. ISBN. 978-1-62081-918-0

Rai Prahant Kumar PK and Mishra Ajay AK "Nanomedicinal approaches for diabetes management" in Nanomedicine for Drug Delivery and Therapeutics 2013 Wiley (Scrivener Publishing) ISBN. 978-1-118-41409-5

Shukla Sudheesh Kumar SK "Amorphous polymer based nano-composites for bio-sensor applications" in Amorphous Materials: New Research 2013 Nova Science Publishers, Inc. ISBN. 978-1-62417-678-4

- CONFERENCE PROCEEDINGS -

Corregedor Manuel Rodrigues MR and Von Solms Sebastiaan SH "Windows 8 32 bit improved security?" IEEE AFRICON 2013 Conference: Sustainable Engineering for a Better Future. 2013 IEEE. ISBN. 978-1-4673-5943-5

Damon Ferdinand F and Coetzee Marijke M "Towards a generic identity and access assurance model by component analysis- a conceptual review" 01st International Conference on Enterprise Systems. 2013 IEEE. ISBN. 978-1-4673-6412-6

Durandt Rina R and Jacobs Gerrit GJ "Learning mathematics with technology - a meaningful endeavour involving 2nd year education students" (STE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013 Unisa Press. ISBN. 978-1-86888-742-2

Goranko Valentin VF and Turrini "An offer you cannot refuse: obtaining efficiency and fairness in pre-play negotiation games with conditional offers" 04th International Workshop: Logic, Rationality and Interaction. 2013 Springer. ISBN. 978-3-642-40947-9

Goranko Valentin VF and Ajspur M "Tableaux-based decision method for single-agent linear time synchronous temporal epistemic logics with interacting time and knowledge" 05th Indian Conference: Logic and Its Applications. 2013 Springer. ISBN. 978-3-642-36038-1

Grobler Martha MM, Irwin B and Swart IP "Visualization of a data leak: how can visualization assist to determine the scope of an attack?" Information Security for South Africa Conference. 2013 IEEE. ISBN. 978-1-4799-0809-7

Hillebrand Channel C and Coetzee Marijke M "Towards reputation-as-a-service" Information Security for South Africa Conference. 2013 IEEE. ISBN. 978-1-4799-0809-7

Jacobs Melanie M and Jacobs Gerrit GJ "Student transition and role perceptions of first year science academics" (STE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013 Unisa Press. ISBN. 978-1-86888-742-2

Kimemia David Kimani DK and Annegarn Harold HJ "SMME development through productive use of domestic energy resources" 21st Conference on the Domestic Use of Energy: International Conference Towards Sustainable Energy, Solutions for the Developing World (DUE). 2013 Cape Peninsula University of Technology. ISBN. 978-0-9814311-7-8

Louw Candice C and Von Solms Sebastiaan SH "Personally identifiable information leakage through online social networks" South African Institute for Computer Scientists and Information Technologists Conference. 2013 Association for Computing Machinery, Inc. (ACM). ISBN. 978-1-4503-2112-9

Makonese Tafadzwa T, Annegarn Harold HJ and Chikowore Godfrey G "An overview of energy use scenarios in the A1 resettlement farming areas of Zimbabwe: a case of CC *Molina, Sanyati*" 21st Conference on the Domestic Use of Energy: International Conference Towards Sustainable Energy, Solutions for the Developing World (DUE). 2013 Cape Peninsula University of Technology. ISBN. 978-0-9814311-7-8

Mare Marcel M "The applicability of "willingness to pay" for the diffusion of energy-efficient domestic stove technologies in the Southern African market" 21st Conference on the Domestic Use of Energy: International Conference Towards Sustainable Energy, Solutions for the Developing World (DUE). 2013 Cape Peninsula University of Technology. JSRN. 978-0-9814311-7-8

Molefe Paulos P and Sondezi Sondezi BM "Physics foundation program: can it Increase third year physics major enrolment?" International Multi-conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-conference on Education, Law, Environment and Metallurgical Engineering. 2013 Planetary Scientific Research Centre ISBN. 978-93-82242-50-5

Mouton Jean J and Ellefsen Ian ID "The identification of information sources to aid with critical information infrastructure protection" Information Security for South Africa Conference. 2013 IEEE. ISBN. 978-1-4799-0809-7

Pandy Wayde Roderick WR and Rogerson Christian CM "Climate change and tourism: critical issues for business development in South Africa" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies. 2013 Pan-Pacific Business Association. ISBN. 1-931649-27-3

Pandy Wayde Roderick WR and Rogerson Christian CM "The timeshare industry in an emerging economy: contemporary South African challenges" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies. 2013 Pan-Pacific Business Association. ISBN. 1-931649-27-3

Rogerson Jayne JM "Researching the hotel industry: from hospitality management to tourism perspective" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies. 2013 Pan-Pacific Business Association. ISBN. 1-931649-27-3

Rogerson Jayne JM "Segmentation of the hotel industry in an emerging economy: the budget hotel sector in South Africa" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies. 2013 Pan-Pacific Business Association. ISBN. 1-931649-27-3

Rogerson Jayne JM "Understanding the hotel and leisure sector as a property asset class in an emerging economy" 30th Pan Pacific Conference: Forging the Legacies of Emerging Economies. 2013 Pan-Pacific Business Association. ISBN. 1-931649-27-3

FACULTY RESEARCH REPORTS

Sondezi Sondezi BM and Molefe Paulos P "Investigation of problem areas in vectors as experienced by first year university students" ISTE International Conference on Mathematics, Science and Technology Education: Towards Effective Teaching and Meaningful Learning in Mathematics, Science and Technology. 2013 Unisa Press. ISBN. 978-1-86888-742-2

Tagatio Mawafo Josette JC, Clarke Willem Adriaan WA and Robinson Philip PE "Identification of facial features on android platforms" IEEE International Conference on Industrial Technology. 2013 IEEE. ISBN. 978-1-4673-4568-2

Van der Haar Dustin DT and Von Solms Sebastiaan SH "Tag you're it: a look at privacy issues in social media sharing" 15th Annual Conference on World Wide Web Applications. 2013 Cape Peninsula University of Technology. ISBN. 978-0-620-59570-4

Van Der Walt Tersia T and Von Solms Sebastiaan SH "Transforming the South African public service through the implementation of sustainable corporate governance of information and communication technology" eChallenges e-2013 Conference Proceedings. 2013 IIMC International Information Management Corporation Ltd. ISBN. 978-1-905824-40-3

Van Der Westhuizen Charl C and Coetzee Marijke M "Context-aware RESTful services on mobile devices" (98th International Conference for Internet Technology and Secured Transactions. 2013 Institute of Electrical and Electronics Engineers (IEEE). ISBN. 978-1-908320-20-9

Von Solms Sebastiaan SH and Kritzinger E "Home user security- from thick security-oriented home users to thin security-oriented home users" Science and Information Conference. 2013 The Science and Information (SAI) Organization. ISBN. 978-0-9893193-0-0

Von Solms Sebastiaan SH "Parliamentary oversight of cyber security and critical information infrastructures in developing countries" Science and Information Conference. 2013 The Science and Information (SAI) Organization. ISBN. 978-0-9893193-0-0

Von Solms Sebastiaan SH and Duvenage P "The case for cyber counterintelligence" 05th International Conference on Adaptive Science and Technology. 2013 IEEE. ISBN. 978-14799-3067-8

- JOURNALS -

Abia Wilfred WAA, Banjari I, Klapec T, Krska R, Sarkanj B, Sulyok M, Uhlig S and Warth B "Urinary analysis reveals high deoxynivalenol exposure in pregnant women from Croatia" FOOD AND CHEMICAL TOXICOLOGY (ISI) 2013 Vol. 62

Abia Wilfred WAA, Dutton Michael MF, Eyongetah M, Kouanfack C, Krska R, Moundipa PF, Njobeh Patrick PB, Sulyok M, Tchana AN, Turner PC and Warth B "Bio-monitoring of mycotoxin exposure in Cameroon using a urinary multi-biomarker approach" FOOD AND CHEMICAL TOXICOLOGY (ISI) 2013 Vol. 62

Adroja Devashibhai Thakarshibhai DT, Bhattacharyya Amitava A, Daoud-Aladin A, Hillier AD, Muro Y, Strydom Andre AM, Takabatake T and Taylor JW "Muon-spin-relaxation and inelastic neutron scattering investigations of the caged-type Kondo semimetals: CeT2Al10 (T = Fe, Ru and Os)" PHYSICA SCRIPTA (ISI) 2013 Vol. 88

Agangi Andrea A, Hofmann Axel A and Wohlgemuth Ueberwasser Cora C "Pyrite zoning as a record of mineralization in the Ventersdorp contact reef, Witwatersrand basin, South Africa" ECONOMIC GEOLOGY (ISI) 2013 Vol. 108

Ahamed Mohammed MEH, Marjanovic Ljiljana L, Mbianda Xavier XY and Mulaba Antoine A "Ion imprinted polymers for the selective extraction of silver(I) ions in aqueous media: kinetic modeling and isotherm studies" REACTIVE & FUNCTIONAL POLYMERS (ISI) 2013 Vol. 73

Ahamed Mohammed MEH, Marjanovic Ljiljana L, Mbianda Xavier XY and Mulaba Antoine A "Selective extraction of gold(III) from metal chloride mixtures using ethylediamine N-(2-(1imidazolyl)ethyl)chitosan ion-imprinted polymer" HYDROMETALLURGY (ISI) 2013 Vol. 140

Ahmed Fath FE and Weir-Smith G "Unemployment in South Africa: building a spatiotemporal understanding" South African Journal of Geomatics (DHET) 2013 Vol. 2 No. 3

Ahmed Mohamed Abd Elbasit MA, Ahmed Zahoor, Jinbai H, Kimura R, Ojha CSP and Yasuda H "Relationship between rainfall erosivity indicators under arid environments: case of Liudaogou basin in Chinese Loess plateau" Journal of Food Agriculture & Environment (ISI) 2013 Vol. 11 No. 2

Ainooson Michael MK, Darkwa James J, Guzei Ilia IA and Spencer L C "Pyrazolylimine iron and cobalt, and pyrazolylamine nickel complexes: Synthesis and evaluation of nickel complexes as ethylene oligomerization catalysts" POLYHEDRON (ISI) 2013 Vol. 53

Amos Kenneth A, Canton L, Fraser PR, Karataglidis Steven S, Svenne JP and van der Knijff D "Analysis of a coupled-channel continuum approach for spectra of mass- 17 compound systems" NUCLEAR PHYSICS A (ISI) 2013 Vol. 912

Annegarn Harold HJ, Andelman S, Bustamante MMC, Lahsen M, McNie E, Ometto JPHB, Schor T, Swap R and Tiessen H "The contributions of regional knowledge networks researching environmental changes in Latin America and Africa: a synthesis of what they can do and why they can be policy relevant" ECOLOGY AND SOCIETY (ISI) 2013 Vol. 18 No. 3

Ansara Ross Tahla Mary TM, Ross Mathew MJ and Wepener V "The use of feathers in monitoring bio-accumulation of metals and metalloids in the South African endangered African grass-owl (tyto capensis)" ECOTOXICOLOGY (ISI) 2013 Vol. 22 No. 6

Antonels Nathan NC and Meijboom Reinhout R "Preparation of well-defined dendrimer encapsulated ruthenium nano-particles and their evaluation in the reduction of 4-nitrophenol according to the Langmuir-Hinshelwood approach" LANGMUIR (ISI) 2013 Vol. 29 No. 44

Aranovich Leonid Ya "Fluid-mineral equilibria and thermodynamic mixing properties of fluid systems" PETROLOGY (ISI) 2013 Vol. 21 No. 6

Aranovich Leonid Ya, Kostopoulos D, Moulas E and Podladchikov YY "The problem of depth in geology: when pressure does not translate into depth" PETROLOGY (ISI) 2013 Vol. 21 No. 6

Aranovich Leonid Ya, Manning CE and Newton RC "Brine-assisted anatexis: experimental melting in the system haplogranite-H2O-NaCI-KCI at deep-crustal conditions" EARTH AND PLANETARY SCIENCE LETTERS (ISI) 2013 Vol. 374 Arderne Charmaine C "Pentane-1,5-diaminium dibromide" ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS (ISI) 2013 Vol. 69 No. 5

Beukes Nicolas NJ, Bau M, Canfield DE, Crowe SA, Dossing LN, Frei R and Kruger Stephanus SJ "Atmospheric oxygenation three billion years ago" NATURE (ISI) 2013 Vol. 501 No. 7468

Beukes Nicolas NJ, Beard BL, Heimann A, Johnson CM and Ludois JM "Iron formation carbonates: paleoceanographic proxy or recorder of microbial diagenesis?" GEOLOGY (ISI) 2013 Vol. 41 No. 11

Beukes Nicolas NJ, Bosak T, Petroff AP and Rothman DH "Biofilm growth and fossil form" Physical Review X (ISI) 2013 Vol. 3 No. 4

Bezeng Simeon S, Maurin Olivier O, Papadopulos AST, Savolainen V, Van der Bank Michelle M and Yessoufou Kowiyou K "A phylogenetic approach towards understanding the drivers of plant invasiveness on Robben Island, South Africa" BOTANICAL JOURNAL OF THE LINNEAN SOCIETY (ISI) 2013 Vol. 172 No. 2

Blauw Frans FF and Von Solms Sebastiaan SH "Biometriese egtheidsbevestiging tydens intydse bankdienste" South African Journal for Science and Technology (DHET) 2013 Vol. 32 No. 1

Boomker Joop, Junker K, Kuzmin Y, Putterill JF and Watermeyer R "Re-description of setaria graberi Shoho in Troncy, Graber & Thal, 1976 (nematoda: filarioidea) based on specimens from redunca arundinum (bovidae) in South Africa" Parasite (ISI) 2013 Vol. 20 No. 43

Boomker Joop, Skinner JD and Taylor WA "Nematodes of the small intestine of African buffaloes, syncerus caffer, in the Kruger National Park, South Africa" ONDERSTEPOORT JOURNAL OF VETERINARY RESEARCH (ISI) 2013 Vol. 80 No. 1

Booyens Irma I, Molotja N and Phiri MZ "Innovation in high-technology SMMEs: The case of the new media sector in Cape Town" Urban forum (IBSS) 2013 Vol. 24 No. 2

Braatvedt Gareth GA and Brits Rudolf RM "Uniqueness and spectral variation in Banach algebras" Quaestiones Mathematicae (ISI) 2013 Vol. 36 No. 2

Bruce NL and Buxton C "Review of the marine isopod crustacean genus Hansenium Serov and Wilson 1995 (asellota: stenetriidae) from tropical Australia and Papua New Guinea, with description of a new genus" ZOOTAXA (ISI) 2013 Vol. 3664 No. 4

Bruce NL, Hyzny M and Schlogl J "An appraisal of the fossil record for the cirolanidae (malacostraca: peracarida: isopoda: cymothoida), with a description of a new cirolanid isopod crustacean from the early miocene of the Vienna basin (western Carpathians)" PALAEONTOLOGY (ISI) 2013 Vol. 56 No. 3

Bruce NL, Khalaji-Pirbalouty V and Wagele J-F "The genus cymodoce leach, 1814 (crustacea: isopoda: sphaeromatidae) in the Persian Gulf with description of a new species" ZOOTAXA (ISI) 2013 Vol. 3666 No. 5

Bruce NL, Martin MB and Nowak BF "Redescription of ceratothoa carinata (Bianconi, 1869) and ceratothoa oxyrrhynchaena Koelbel, 1878 (crustacea: isopoda: cymothoidae), buccal-attaching fish parasites new to Australia" ZOOTAXA (ISI) 2013 Vol. 3683 No. 4

Bruce NL, Perez-Losada M and Wetzer R "Phylogenetic relationships of the family sphaeromatidae latreille, 1825 (crustacea: preacardia: isopoda) within sphaeromatidea based on 18S-rDNA molecular data" ZOOTAXA (ISI) 2013 Vol. 3599 No. 2

Burgoyne Andrew AR and Meijboom Reinhout R "Knoevenagel condensation reactions catalysed by metal-organic frameworks" CATALYSIS LETTERS (ISI) 2013 Vol. 143 No. 6

Buscher Bram Erik BE "Nature 2.0" GEOFORUM (ISI) 2013 Vol. 44

Buscher Bram Erik BE and Igoe J " 'Prosuming' conservation? Web 2.0, nature and the intensification of value-producing labour in late capitalism" Journal of Consumer Culture (ISI) 2013 Vol. 13 No. 3

Bvumbi Suzan SP, Bark RA, Bianco L, Cullen DM, Curien D, Garrett PE, Greenlees PT, Hirvonen J, Jakobsson U, Jones PM, Juhász K, Julin R, Juutinen S, Kau J, Ketelhut S, Komati F, Korichi A, Lawrie EA, Lawrie LJ, Leino M, Madiba TE, Maine P, Majola SNT, Minkova A, Mullins SM, Ncapayi NJ, Nieminen P, Nyakó BM, Peura P, Rahkila P, Riedinger LL, Ruotsalainen P, Saren J, Scholey C, Sharpey-Schhafer JF, Sorri J, Stolze S, Timar J, Uusitalo J and Vymers PA "Octuple correlations in the structure of 0+2 bands in the N = 88 nuclei 150Sm and 152Gd" PHYSICAL REVIEW C ((SI) 2013 Vol. 87

Carleschi Emanuela E, Borisenko SV, Cuoco M, Doyle Bryan BP, Evtushinsky D, Fittipaldi R, Kim TK, Kordyuk AA, Vecchione A and Zabolotnyy VB "*Re-normalized band structure of Sr2RuO4: a quasi-particle tight-binding approach*" JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA (ISI) 2013 Vol. 191

Carleschi Emanuela E, Capogrosso V, Cuoco M, Fittipaldi R, Forte F, Galli L, Gorelov E, Malvestuto M, Parmigiani F, Pavarini E and Vecchione A "Nature of the apical and planar oxygen bonds in the Srn+1RunO3n+1 family (n = 1,2,3)" PHYSICAL REVIEW B (ISI) 2013 Vol. 88 No. 19

Carmody Padraig "A global enclosure: the geo-logics of Indian agro-investments in Africa" Capitalism, nature, socialism (IBSS) 2013 Vol. 24 No. 1

Carmody Padraig "Globalizing solidarity or legitimating accumulation? Brazilian strategies and interest in Africa" Irish studies in international affairs (IBSS) 2013 Vol. 24

Chatiza Fungayi FP, Bartels P, Nedambale TL and Wagenaar Gesina GM "Sperm-egg interaction and functional assessment of springbok, impala and blesbok cauda epididymal spermatozoa using a domestic cattle in vitro fertilization system" ANIMAL REPRODUCTION SCIENCE (ISI) 2013 Vol. 143

Chikava Winnie W and Annegarn Harold HJ *"Human and physical energy cycles in a subsistence village in South Africa"* Journal of Energy in Southern Africa (ISI) 2013 Vol. 24 No. 2

Chiririwa Haleden H, Hendricks D, Meijboom Reinhout R, Moss JR and Muller Alfred AJ "Synthesis, characterisation and in vitro evaluation of palladium(II) iminophosphine complexes for anticancer activity" TRANSITION METAL CHEMISTRY (ISI) 2013 Vol. 38 No. 2

Chiririwa Haleden H, Hendricks D, Meijboom Reinhout R, Moss JR and Smith GS "Synthesis,

characterisation and in vitro evaluation of platinum(II) and gold(I) iminophosphine complexes for anticancer activity" POLYHEDRON (ISI) 2013 Vol. 49 Chiririwa Haleden H, Muller Alfred AJ, Muzenda Edison E and Ntuli Freeman F "Synthesis and

Chiririwa Haleden H, Muller Alfred AJ, Muzenda Edison E and Ntuli Freeman F "Synthesis and characterization of palladium(III) and platinum(III) metal complexees with iminophosphine ligands: X-ray crystal structures of platinum(III) complexes and use of palladium(III) complexes as precatalysts in Heck and Suzuki cross-coupling reactions" TRANSITION METAL CHEMISTRY (ISI) 2013 Vol. 38 No. 1

Connell Simon SH, Barrio JA, Birsin E, Bolmont J, Brun P, Colafrancesco S, Conrad J, Doro M, Emmanoulopoulos D, et al (and 23 others) et al (and 23 others) and Sanchez-Conde MA "Dark matter and fundamental physics with the Cherenkov telescope array" ASTROPARTICLE PHYSICS (ISI) 2013 Vol. 43

Conradie Willem WE, Morton Wilmari W and van Alten CJ "An algebraic look at filtrations in modal logic" LOGIC JOURNAL OF THE IGPL (ISI) 2013 Vol. 21 No. 5 $\,$

Cronje Marianne MJ, Joubert AM, Mqoco TV, Nkandeu DS, Stander BA, Visagie MH and Wolmarans E "In vitro changes in mitochondrial potential, aggresome formation and caspase activity by a novel 17-Bestradiol analogue in breast adeno-carcinoma cells" CELL BIOCHEMISTRY AND FUNCTION (ISI) 2013 Vol. 31 No. 7

Dankelmann Peter PA, Goddard W, McPillan CA and Swart Henda C "A note on extremal values of the scattering number" TAIWANESE JOURNAL OF MATHEMATICS (ISI) 2013 Vol.17 No. 5

Dankelmann Peter PA, Key JD and Rodrigues BG "A characterization of graphs by codes from their incidence matrices" ELECTRONIC JOURNAL OF COMBINATORICS (ISI) 2013 Vol. 20 No. 3

Dankelmann Peter PA, Key JD and Rodrigues BG "Codes from incidence matrices of graphs DESIGNS CODES AND CRYPTOGRAPHY (ISI) 2013 Vol. 68 No. 03-Jan

Darkwa James J, Njoroge MW, Nyamato GS, Ojwach SO and Omondi B "Coordination behavior and binding properties of (3,5-dimethyl-1H-pyrazol-1-yl)ethanol with Cu(II), Zn(II), Cd(II), and Pb(II) metals" JOURNAL OF COORDINATION CHEMISTRY (ISI) 2013 Vol. 66 No. 9

Daru Barnabas BH, Boatwright JS, Kuzmina M, Maclean N, Manning JC, Maurin Olivier O, Schaefer H and Van der Bank Michelle M "Molecular and morphological analysis of subfamily Alooideae (Asphodelaceae) and the inclusion of Chortolirion in Aloe" TAXON (ISI) 2013 Vol. 62 No. 1

Daru Barnabas BH, Davies TJ, Mankga Ledile LT and Yessoufou Kowiyou K "A global trend towards the loss of evolutionarily unique species in mangrove ecosystems" PLoS One (ISI) 2013 Vol. 8 No. 6

Das Kunal K, Chapple S, Sinha Ray S and Wesley-Smith J "Mechanical, thermal, and fire properties of biodegradable polyactide/boehmite alumina composites" INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH (ISI) 2013 Vol. 52 No. 18

Das Kunal K, Jayaramudu J, Liu D, Maiti S, Reddy SM, Sadiku R and Suprakas Sinha SR "Preparation and characterization of nano-cellulose with new shape from different precursor" CARBOHYDRATE POLYMERS (ISI) 2013 Vol. 98

De Beer Josef JJJ, Van Wyk Ben-Erik B "Voeding en fisieke welstand as deel van die skoolkurrikulum: 'n intervensie in 'n onderwys opleiding program / Nutrition and physical wellbeing in the school curriculum: An intervention in a teachers' education programme" South African Journal for Science and Technology (DHET) 2013 Vol. 32 No. 1

De Klerk Leanie Petro LP, De Klerk Arno AR and Wepener V "An assessment of Mercury contamination and the relationship between environmental variables and Mercury concentrations in a seasonal wetland" WATER AIR AND SOIL POLLUTION (ISI) 2013 Vol. 224 No. 1547

De Kock Lueta-Ann L, Jefferson Bruce, Martin BD, Parsons SA and Stephenson T "The impact factor of contactor scale on a ferric nano-particle adsorbent process for the removal of phosphorous from municipal waste-water" CHEMICAL ENGINEERING JOURNAL (ISI) 2013 Vol. 215-216

Debnath Jyotish Chandra JC and Strydom Andre AM "Transport-entropy correlations in La0.7Ca0.3MnO3 manganite" PHYSICA B-CONDENSED MATTER (ISI) 2013 Vol. 432

Debnath Jyotish Chandra JC, Avdeev M, Campbell SJ, Dou SX, Hutchison WD, Kennedy SJ, Md Din MF, Shamba P, Wang JL and Zeng R "Ti substitution for Mn in MnCoGe - the magnetism of Mn0.9Ti0.1CoGe" JOURNAL OF ALLOYS AND COMPOUNDS (ISI) 2013 Vol. 577

Debnath Jyotish Chandra JC, Dou SX, Heo Y, Kim JH and Strydom Andre AM "Correlation between structural parameters and the magneto-caloric effect in epitaxial La0.8Ca0.2/LaAIO3 thin film" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 113 No. 6

Debnath Jyotish Chandra JC, Dou SX, Shamba P, Strydom Andre AM and Wang JL "Critical phenomena and estimation of the spontaneous magnetization by a magnetic entropy analysis in Mn0.96Nb0.04CoGe alloy" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 113 No. 23

Debnath Jyotish Chandra JC, Dou SX, Shamba P, Strydom Andre AM and Wang JL "Investigation of the critical behavior in Mn0.94Nb0.06CoGe alloy by using the field dependence of magnetic entropy change" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 113 No. 9

Debnath Jyotish Chandra JC, Dou SX, Strydom Andre AM, Wang JQ and Zeng R "Ideal Ericsson cycle magneto-caloric effect in (La0.9Gd0.1)0.67Sr0.33MnO3 single crystalline nano-particles" JOURNAL OF ALLOYS AND COMPOUNDS (ISI) 2013 Vol. 555

Dekadjevi David DT "Driving the magnetization reversal below the blocking temperature in exchange biased NiFe/NiO" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 114 No. 9

Desormeaux Wyatt Jules WJ, Haynes Teresa TW and Henning Michael MA "Bounds on the connected domination number of a graph" DISCRETE APPLIED MATHEMATICS (ISI) 2013 Vol. 161 No. 18

Desormeaux Wyatt Jules WJ, Haynes Teresa TW and Henning Michael MA "Edge lifting and total domination in graphs" JOURNAL OF COMBINATORIAL OPTIMIZATION (ISI) 2013 Vol. 25 No. 1

Desormeaux Wyatt Jules WJ, Haynes Teresa TW and Henning Michael MA *"Relating the annihilation number and the total domination number of a tree"* DISCRETE APPLIED MATHEMATICS (ISI) 2013 Vol. 161

Djuidje Fotsing Marthe MC, Coville NJ and Mbianda Xavier XY "Dioxirane oxidation of 2-aryl-1-vinyl-1, 1-diphosphane dioxide: a convenient approach for the synthesis of novel 1,2-epoxy-2-aryl ethylgembisphosphonates" HETEROATOM CHEMISTRY (ISI) 2013 Vol. 24 No. 3

Dlamini Derrick DS, Mamba Bhekie BB and Mishra Ajay AK "ANN modeling in Pb(II) removal from water by clay-polymer composites fabricated via the melt- blending" JOURNAL OF APPLIED POLYMER SCIENCE (ISI) 2013 Vol. 130 No. 6

Dlamini Phumlani PG, Khumalo Melusi M and Motsa SS "A new multistage spectral relaxation method for solving chaotic initial value systems" NONLINEAR DYNAMICS (ISI) 2013 Vol. 72 No. 02-Jan

Dlamini Phumlani PG, Khumalo Melusi M and Motsa SS "Higher order compact finite difference schemes for unsteady boundary layer flow problems" Advances in Mathematical Physics (15) 2013 Vo. 2013 No. 1

Dlamini Phumlani PG, Khumalo Melusi M and Motsa SS "On the comparison between compact finite difference and pseudo-spectral approaches for solving similarity boundary layer problems" MATHEMATICAL PROBLEMS IN ENGINEERING (ISI) 2013

Dlamini Sisekelo Peter SP, Haarhoff Johannes J, Mamba Bhekie BB and Van Staden Samantha SJ "The response of typical South African raw waters to enhanced coagulation" Water Science and Technology-Water Supply (ISI) 2013 Vol. 13 No. 1

Dorfling Michael MJ and Broere Izak "The property of $\kappa\text{-}colourable graphs is uniquely decomposable" DISCRETE MATHEMATICS (ISI) 2013 Vol. 313$

Durand Jacobus JF "Paleontologie en die Suid-Afrikaanse samelewing vandag" Tydskrif Vir Geesteswetenskappe (ISI) 2013 Vol. 53 No. 3

Dzvinamurungu Thomas T, Knoper Michael MW, Mulaba Antoine A and Viljoen Karel KS "Geometallurgical characterisation of Merensky reef and UG2 at the Marikana mine, Bushveld complex, South Africa" MINERALS ENGINEERING (ISI) 2013 Vol. 52

Engelbrecht Christian CA "Cosmic memory" Scrutiny2 (Unisa English Studies) (DHET) 2013 Vol. 18 No. 1

Esterhuizen Lindy LL, Brown JK, Czosnek H, Mabasa KG, Rey MEC, Van Heerden Henriette H and Van Heerden SW "Genetic identification of members of the Bemisia tabaci cryptic species complex from South Africa reveals native and introduced haplotypes" JOURNAL OF APPLIED ENTOMOLOGY (ISI) 2013 Vol. 137 No.02-Jan

Falkowski Michal M, Kowalczyk A and Pugaczowa-Michalska M "Magnetic, transport and electronic properties of SmNi4Si compound" JOURNAL OF ALLOYS AND COMPOUNDS (ISI) 2013 Vol. 577

Ferreira Maryke ML and Oldewage Annemarie A "Notes on the occurrence of trypanosoma sp. (kinetoplastida: trypanosomatidae) in freshwater fishes from South Africa" ONDERSTEPOORT JOURNAL OF VETERINARY RESEARCH (ISI) 2013 Vol. 80 No. 1

Ferreira Maryke ML and Oldewage Annemarie A "Selected haematological changes in clarias gariepinus (Burchell, 1822) infected with a trypansosoma sp. from the Vaal Dam, South Africa" ONDERSTEPOORT JOURNAL OF VETERINARY RESEARCH (ISI) 2013 Vol. 30 No. 1

Goranko Valentin VF, Ajspur M and Shkatov D "Tableau-based decision procedure for the multi-agent epistemic logic with all coalitional operators for common and distributed knowledge" LOGIC JOURNAL OF THE IGPL (ISI) 2013 Vol. 21 No. 3

Govender Poomani PP, Marques HM, Navizet I and Perry CB "DFT studies of Trans and Cis influences in the homolysis of the Co–C bond in models of the alkylcobalamins" JOURNAL OF PHYSICAL CHEMISTRY A (ISI) 2013 Vol. 117 No. 14

Grant Richard J "Gendered spaces of informal entrepreneurship in Soweto, South Africa" URBAN GEOGRAPHY (ISI) 2013 Vol. 34 No. 1

Groom Rosemary Joy RJ, Bauer H, Becker M, de longh H, Dickman A, Dollar L, Funston P, Henschel P, Jacobson A, Lichtenfeld L, Pimm S and Riggio J "The size of savannah Africa: a lion's (panthera leo) view" BIODIVERSITY AND CONSERVATION (ISI) 2013 Vol. 22 No. 1

Groom Rosemary Joy RJ, Canney S, Caro T, et al (and 48 others) et al, Garnett ST, Loveridge A, MacNulty D, Packer C, Pfeifer M, Swanson A and Zander KK "Conserving large carnivores: dollars and fence" ECOLOGY LETTERS (ISI) 2013 Vol. 16 No. 5

Groom Rosemary Joy RJ, Funston P and Lindsey PA "Insights into the management of large carnivores for profitable wildlife-based land uses in African Savannas" PLoS One (ISI) 2013 Vol. 8 No. 3

Gucsik Arnold A, Abraham P, Apai D, Berczi S, Endo T, Gyollai I, Kayama M, Kimura Y, Mihalyi K, Miura H, Nagy M, Nagy S, Ninagawa K, Nishido H, Ott U, Posta J, Rozsa P and Simonia I "Cathodoluminescence microscopy and spectroscopy of forsterite Kaba meteoritu an application to the study of hydrothermal alteration of parent body" METEORITICS & PLANETARY SCIENCE (IS) 2013 Vol. 48 No. 12

Gumsley Ashley AP, De Kock Michiel MO, Ernst RE, Knoper Michael MW, Rajesh Hariharan HM and Soderlund U "The Hlagothi complex: the identification of fragments from a mesoarchaean large igneous province on the Kaapvaal craton" LITHOS (ISI) 2013 Vol. 174

Guy Bradley BM, Bull S, Burnett R, Danyushevsky L, Gilbert S, Goemann K, Large RR and Meffre S "Evidence for an intrabasinal source and multiple concentration processes in the formation of the carbon leader reef, Witwatersrand supergroup, South Africa" ECONOMIC GEOLOGY (ISI) 2013 Vol. 108 No. 6

Guzei Ilia IA, Darkwa James J, Mkoyi HD and Ojwach SO "(Pyrazol-1-yl)carbonyl palladium complexes as catalysts for ethylene polymerization reaction" JOURNAL OF ORGANOMETALLIC CHEMISTRY (ISI) 2013 Vol. 724

Hadfield Kerry KA, Bruce NL and Smit NJ "Review of the fish-parasite genus cymothoa fabricius, 1793 (isopoda, cymothoidae, crustacea) from the southwestern Indian Ocean, including a species from South Africa" ZOOTAXA (ISI) 2013 Vol. 3640 No. 2

FACULTY RESEARCH REPORTS

Harlov Daniel E, Brugmann GE, Krause J and Pushkarev EV "Apatite and clinopyroxene as tracers for meta-somatic processes in nepheline clinopyroxenites of Uralian-Alaskan-type complexes in the Ural Mountains, Russian Federation" GEOCHIMICA ET COSMOCHIMICA ACTA (ISI) 2013 Vol. 121

Hattingh Johannes JH and Joubert Ernst EJ "Some bistar bipartite Ramsey numbers" GRAPHS AND COMBINATORICS (ISI) 2013 Vol. Online First

 $\label{eq:henning_model} Henning_Michael_MA and Goddard W"Independent domination in graphs: a survey and recent results" DISCRETE_MATHEMATICS (ISI) 2013_Vol. 313$

Henning Michael MA and Joubert Ernst EJ "Equality in a linear Vizing-like relation that relates the size and total domination number of a graph" DISCRETE APPLIED MATHEMATICS (ISI) 2013 Vol. 161

Henning Michael MA and Rad NJ "Bounds on neighborhood total domination in graphs" DISCRETE APPLIED MATHEMATICS (ISI) 2013 Vol. 161

Henning Michael MA and Yeo Anders A "2-colorings in k-regular k-uniform hypergraphs" EUROPEAN JOURNAL OF COMBINATORICS (ISI) 2013 Vol. 34

Henning Michael MA and Yeo Anders A "Lower bounds on the size of maximum independent sets and matchings in hyper-graphs of rank three" JOURNAL OF GRAPH THEORY (ISI) 2013 Vol. 72 No. 2

Henning Michael MA and Yeo Anders A "Total domination and matching numbers in graphs with all vertices in triangles" DISCRETE MATHEMATICS (ISI) 2013 Vol. 313

Henning Michael MA and Yeo Anders A "Transversals and matchings in 3-uniform hypergraphs" EUROPEAN JOURNAL OF COMBINATORICS (ISI) 2013 Vol. 34

Henning Michael MA and Yeo Anders A "Hypergraphs with large transversal number" DISCRETE MATHEMATICS (ISI) 2013 Vol. 313

Henning Michael MA, Dorbec P, Lowenstein Christian C, Montassier M and Raspaud A "Generalized power domination in regular graphs" SIAM JOURNAL ON DISCRETE MATHEMATICS (ISI) 2013 Vol. 27 No. 3

Henning Michael MA, Rautenbach Dieter and Schäfer PM "Open packing, total domination, and the P3-Radon number" DISCRETE MATHEMATICS (ISI) 2013 Vol. 313

Hofmann Axel A, Bolhar Robert R, Foucher F and Orberger B "Cherts of the Baberton Greenstone Belt, South Africa: petrology and trace-element geochemistry of 3.5 to 3.3 Ga old silicified volcaniclastic sediments" SOUTH AFRICAN JOURNAL OF GEOLOGY (ISI) 2013 Vol. 116 No. 2

Hofmann Axel A, Harris C, Jele N and Saha L "Palaeoarchaen sea-floor alteration and metamorphism of pillow basalts from the Nondweni Greenstone Belt, Southeastern Kaapvaal Craton, South Africa" SOUTH AFRICAN JOURNAL OF GEOLOGY (ISI) 2012 Vol. 115 No. 3

Islam Rafique RU, Mahato Sanjit SK, Mallick Kaushik K, Shukla Sudheesh Kumar SK and Witcomb MJ "Palladium-poly(3-aminoquinoline) hollow-sphere composite: application in sonogashira coupling reactions" ChemCatChem (ISI) 2013 Vol. 5 No. 8

Jacobs Bincy BS, Prinsloo Aletta ARE, Sheppard Charles CJ and Strydom Andre AM "Possible quantum critical behaviour in the (Cr84Re16)100-yVy alloy system" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 113 No. 17

Jacobs Gerrit GJ, De Bruin Karina K and Jacobs Melanie M "Praktyke en strategieë wat 'n kwaliteitsetos aan hoëronderwysinstellings behoort te koester / Practices and strategies that should nurture a quality ethos in higher education institutions" Tydskrif Vir Geesteswetenskappe (ISI) 2013 Vol. 53 No. 1

Jacobs Yolande Y, Jonck Elizabeth E and Joubert Ernst EJ "A lower bound for the packing chromatic number of the Cartesian product of cycles" Central European Journal of Mathematics (ISI) 2013 Vol. 11 No. 7

James Jacinda JT, Dubery Ian IA, Steenkamp PA and Tugizimana Fidele F "Metabolomic analysis of methyl jasmonate-induced triterpenoid production in the medicinal herb Centella asiatica (L.) Urban" MOLECULES (ISI) 2013 Vol. 18 No. 4

Jansen van Vuuren Bettine B, Barnaud A, Karsten M and Terblanche JS "Population genetics of ceratitis capitata in South Africa: implications for dispersal and pest management" PLoS One (ISI) 2013 Vol. 8 No. 1

Jansen van Vuuren Bettine B, Berthouly C, Caron A, Chardonnet P, Cornelis D, De Longh H, Heller R, Michaux J, Prins H, Smitz N and Van Hooft P "Pan-African genetic structure in the African buffalo (syncerus caffer): investigating intraspecific divergence" PLoS One (ISI) 2013 Vol. 8 No. 2

Joubert Ernst EJ "Maximum sizes of graphs with given restrained domination numbers" DISCRETE APPLIED MATHEMATICS (ISI) 2013 Vol. 161

Kabera Muregancuro MG and Haines LM "A note on the statistical analysis of point judgment matrices" Orion: Journal of the Operations Research of South Africa (DHET) 2013 Vol. 29 No. 1

Kalwij Jesse JM, Barnaud A, Berthouly-Salazar Cecile, Jansen van Vuuren Bettine B and McGeoch MA "Are road verges corridors for weed invasion? Insights from the fine-scale spatial genetic structure of raphanus raphanistrum" WEED RESEARCH (ISI) 2013 Vol. 53 No. 5

Kalwij Jesse JM, Barnaud A, Jansen van Vuuren Bettine B and McGeoch MA "Patterns of weed invasion: evidence from the spatial genetic structure of raphanus raphanistrum" BIOLOGICAL INVASIONS (ISI) 2013 Vol. 15 No. 11 Kalwij Jesse JM, Gazol A, Helm A and Kasari L "Low shrub cover in alvar grasslands increases small-scale diversity by promoting the occurrence of generalist species" TUEXENIA (ISI) 2013 Vol. 33 No. 1

Kalwij Jesse JM, Hausmann NS, McIntyre T and Rudolph EM "Fur seal populations facilitate establishment of exotic vascular plants" BIOLOGICAL CONSERVATION (ISI) 2013 Vol. 162

Karataglidis Steven S and Amos Kenneth A "Spin observables in 71 A MeV 6,8He-hydroger scattering" PHYSICAL REVIEW C (ISI) 2013 Vol. 87 No. 5

Kelso Clare CJ, Endfield GH, Grab SW, Grove CA, Nash DJ, Neukom R, Vogel CH and Zinke J "Multi-proxy summer and winter precipitation reconstruction for southern Africa over the last 200 years" CLIMATE DYNAMICS (ISI) 2013

Keter Frankline FK, Darkwa James J and Guzei Ilia IA "N-heterocyclic dithiocarbamate platinum(II) complexes: Unexpected transformation of dithiocarbamate to oxodithiocarbonate in phosphinoplatinum complexes in solution" INORGANIC CHEMISTRY COMMUNICATIONS (ISI) 2013 Vol. 27

Kgote Molefe Goodwill Thabo MGT and Kotze Nicolaas NJ "Visitors perceptions and attitudes towards the tourism product offered by Pilanesberg National Park, South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Khumalo Melusi M "Dynamics of numerics of non-autonomous equations with periodic solutions. introducing the numerical floquet theory" Journal of Applied Mathematics (ISI) 2013

Kilian Esmari E and Oldewage Annemarie A "Infestation and pathological alterations by Ergasilus sarsi (copepoda) on the Tanganyika killifish from Africa" JOURNAL OF AQUATIC ANIMAL HEALTH (ISI) 2013 Vol. 25

Kinfe Henok HH and Belay Yonas YH "Synthesis and biological evaluation of novel thiosemicarbazone- triazole hybrid compounds as antimalarial agents" SOUTH AFRICAN JOURNAL OF CHEMISTRY-SUID-AFRIKAANSE TYDSKRIF VIR CHEMIE (ISI) 2013 Vol. 66

Kinfe Henok HH, Belay Yonas YH, Joseph Jitcy JS and Mukwevho Emmanuel E "Evaluation of the influence of thiosemicarbazone-triazole hybrids on genes implicated in lipid oxidation and accumulation as potential anti-obesity agents" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS (ISI) 2013 Vol. 23

Kinfe Henok HH, Makolo Felix FL, Moshapo Paseka PT and Muller Alfred AJ "Facile diastereoselective synthesis of carbohydrate-based thiochromans" JOURNAL OF CARBOHYDRATE CHEMISTRY (ISI) 2013 Vol. 32 No. 2

Kinfe Henok HH, Makolo Felix FL, Moshapo Paseka PT and Phasha Zanele ZH "New carbohydrate derived S,S-dioxothiochroman derivatives and their unexpected easy epimerization at the anomeric position" JOURNAL OF CARBOHYDRATE CHEMISTRY (ISI) 2013 Vol. 32 No. 3

Kinfe Henok HH, Mebrahtu Fanuel FM and Moshapo Paseka PT "Solvent-free NaHSO4-SiO2-catalyzed efficient tetrahydropyranylation of alcohols and phenols" SYNTHETIC COMMUNICATIONS ISI) 2013 Vol. 43 No. 9

Km Meenakshi M, Holzapfel Cedric CW, Islam Rafique RU, Mallick Kaushik K, Shukla Sudheesh Kumar SK and Witcomb Michael MJ "Polymerization assisted reduction reaction: a sequential electron-proton transfer reaction catalyzed by gold nano-particle" Journal of Physical Chemistry C (ISI) 2013 Vol. 117 No. 44

Km Meenakshi M, Islam Rafique RU, Mallick Kaushik K, Phali Caleb CM and Witcomb M "Template-less synthesis of polymer hollow spheres: an efficient catalyst for Suzuki coupling reaction" APPLIED ORGANOMETALLIC CHEMISTRY (ISI) 2013 Vol. 27 No. 9

Kothandapani Babu B, Mishra Ajay AK, Mishra Shivani S and Mittal Hemant H "Synthesis and characterization of gold nano-particles conjugated magnetite nano-particles via phosphonic acid linkage" Current Nanoscience (ISI) 2013 Vol. 9 No. 6

Kotina Ekaterina EL, Oskolskii Aleksei A, Stepanova Anna Valentinovua AV, Tilney Patricia PM and Van Wyk Ben-Erik B "Notes on the taxonomic and ecological significance of bark structure in the genus virgilia (fabaceae, podalyrieae)" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 89

Kotze Nicolaas NJ "A community in trouble? The impact of gentrification on the Bo-Kaap, Cape Town" Urbani izziv (IBSS) 2013 Vol. 24 No. 2

Kotze Nicolaas NJ, Donaldson R, Park J, Vieyra O, Visser G, Wally N and Zen J "An uneasy match: neoliberalism, gentrification and heritage conservation in Bo-Kaap, Cape Town, South Africa" Urban forum (IBSS) 2013 Vol. 24 No. 2

Kramers Jan JD, Andreoli MAG, Atanasova M, Belyanin Georgy GA, Block DL, Franklyn C, Harris C, Lekgoathi M, Montross CS, Ntsoane T, Pischedda Vittorio, Segonyane P, Viljoen Karel KS and Westraadt JE "Unique chemistry of a diamond-bearing pebble from the Libyan desert glass strewnfield, SW Egypt: evidence for a shocked comet fragment" EARTH AND PLANETARY SCIENCE LETTERS (ISI) 2013 Vol. 382

Krecek Rosina RC, Alfellani MA, Clark CG, Jacob AS, Levecke B, Perea NO, Stensvold CR, Taner-Mulla D, Tannich E and Verweij JJ "Diversity and distribution of blastocystis sp. subtypes in non-human primates" PARASITOLOGY (ISI) 2013 Vol. 140 No. 8

Krecek Rosina RC, Arauz M, Bogdanovic L, Jovonovich JA, Overstreet RM and Soto E "Parasitosis of metabronema sp. (nematoda: cystidicolidae) in Caribbean porcupinefish, diodon hystrix (L)" JOURNAL OF FISH DISEASES (ISI) 2013 Vol. 36 No. 12

Kruger Taneshka T, Barnhoorn IEJ, Bornman Riana and Janse van Vuren Johannes JH "The use of the urogenital papillae of male feral African sharptooth catfish (clarias gariepinus) as indicator of exposure to estrogenic chemicals in two polluted dams in an urban nature reserve, Gauteng, South Africa" ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY (ISI) 2013 Vol. 87

Kyalangalilwa Lububi LB, Boatwright JS, Daru Barnabas BH, Maurin Olivier O and Van der Bank Michelle M "Phylogenetic position and revised classification of acacia s.l. (fabaceae: mimosoideae, in Africa, including new combinations in vachellia and senegalia" BOTANICAL JOURNAL OF THE LINNEAN SOCIETY (ISI) 2013 Vol. 172 No. 4

Lalley Jennifer JS and Jones S "Assessing the compatibility of ecotourism and hunting through the attitudes and choices of ecotourists" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Lawrence Faith F "The role of local economic development agencies in the South African local economic development landscape" Urban forum (IBSS) 2013 Vol. 24 No. 4

Le Roux Margaretha MM and Van Wyk Ben-Erik B "A taxonomic revision of amphitrichae, a new section of crotalaria (fabaceae)" SYSTEMATIC BOTANY (ISI) 2013 Vol. 38 No. 3

Le Roux Margaretha MM, Boatwright James JS and Van Wyk Ben-Erik B "A global infra-generic classification system for the genus crotalaria (leguminosae) based on molecular and morphological evidence" TAXON (ISI) 2013 Vol. 62 No. 5

Lillywhite Stacy S, Chigome S, Darko G, Darkwa James J, Torto N and Tshentu Z "Sorption of toxic metal ions in aqueous environment using electrospun polystyrene fibres incorporating diazole ligands" WATER SA (ISI) 2013 Vol. 39 No. 1

Lobanga Kaluka KP, Haarhoff Johannes J and Van Staden Samantha SJ "Treatability of South African surface waters by activated carbon" WATER SA (ISI) 2013 Vol. 39 No. 3

Madala Ntakadzeni NE, Dubery Ian IA, Piater Lizelle LA and Steenkamp PA "Metabolomic analysis of isonitrosoacetophenone-induced perturbations in phenolic metabolism of nicotiana tabacum cells" PHYTOCHEMISTRY (ISI) 2013 Vol. 94

Madala Ntakadzeni NE, Dubery Ian IA, Piater Lizelle LA, Steenkamp PA and Tugizimana Fidele F "The short and long of it: shorter chromatographic analysis suffice for sample classification during UHPLC-MS-based metabolic fingerprinting" CHROMATOGRAPHIA (ISI) 2013 Vol. 76 No. 06-May

Madanire Grace GN and Oldewage Annemarie A "Occurrence of tetracampos ciliotheca and proteocephalus glanduligerus in clarias gariepinus (Burchell, 1822) collected from the Vaal Dam, South Africa" ONDERSTEPOORT JOURNAL OF VETERINARY RESEARCH (ISI) 2013 Vol. 80 No. 1

Madanire Grace GN and Oldewage Annemarie A "On the development of a parasitic copepod lamproglena clariae fryer, 1956 (copepoda, lernaeidae) infecting the harp tooth catfish, clarias gariepinus" CRUSTACEANA (ISI) 2013 Vol. 86 No. 4

Maebana Molahlegi MO, Mamba Bhekie BB, Mishra Ajay AK and Mishra Shivani S "Study on the efficiency of ethylene vinyl acetate-fly ash composites for the uptake of phenols from synthetic waste water" JOURNAL OF APPLIED POLYMER SCIENCE (ISI) 2013 Vol. 128 No. 3

Mafu Lihle LD, Mamba Bhekie BB and Msagati Titus TAM "Ion-imprinted polymers for environmental monitoring of inorganic pollutants: synthesis, characterization, and applications" ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH (ISI) 2013 Vol. 20 No. 2

Magee Anthony AR and Busch B "A new name and neotypification for hippia integrifolia (anthemideae)" BOTHALIA (ISI) 2013 Vol. 43 No. 1

Magee Anthony AR and Powell RF "Athanasia argentea and A. gyrosa (asteraceae), two new species from the Cape floristic region of South Africa" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 88

Magee Anthony AR, Manning JC and Mucina L "Cotula sericea resolved as the correct name for the mysterious C. fallax (asteraceae: anthemidae), with new synonyms and the new combination cotula discolor" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 88

Magee Anthony AR, Ruiters Ashton AK, Tilney Patricia PM and Van Wyk Ben-Erik B "Proposal to conserve the name Phymaspermum (Asteraceae) with a conserved type" TAXON (ISI) 2013 Vol. 62 No. 2

Mahlambi Mphilisi MM, Krause Rui RWM, Mamba Bhekie BB, Mishra Ajay AK, Mishra Shivani S and Raichur Ashok AM "Effect of metal ions (Ag, Co, Ni, and Pd) on the visible light degradation of rhodamine B by carbon-covered alumina-supported TiO2 in aqueous solutions" INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH (ISI) 2013 Vol. 52 No. 5

Mahlambi Mphilisi MM, Krause Rui RWM, Mamba Bhekie BB, Mishra Ajay AK, Mishra Shivani S and Raichur Ashok AM "Metal doped nano-sized Titania used for the photo-catalytic degradation of rhodamine B dye under visible- light" JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY (ISI) 2013 Vol. 13

Mahlambi Mphilisi MM, Krause Rui RWM, Mamba Bhekie BB, Mishra Ajay AK, Mishra Shivani S and Raichur Ashok AM "The effect of metal-ions (Ag, Co, Ni and Pd) on the visible light degradation of rhodamine B by carbon- covered alumina supported TiO2 in aqueous solutions" INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH (ISI) 2013 Vol. 52

Maina John JN and Jimoh SA "Immuno-localization of type-IV collagen in the blood-gas barrier and the epithelial-epithelial cell connections of the avian lung" Biology Letters (ISI) 2013 Vol. 9 No. 1

Maina John JN, Bergman HL, Bianchini A, Bianchini LF, Chevalier C, Johannsson OE, Kavembe GD, Kisia SM, Laurent P, Makanya AN, Ojoo RO, Onyango DW, Papah MB and Wood CM "Morphological evaluation of spermatogenesis in Lake Magadi tilapia (alcolapia grahami): a fish living on the edge" TISSUE & CELL (ISI) 2013 Vol. 45

Maina John JN, Bergman HL, Bianchini A, Bianchini LF, Chevalier C, Johannsson OE, Kavembe GD, Laurent P, Nawata CM, Ojoo RO, Papah MB, Wilson JM and Wood CM "*Rh proteins and NH4+ -activated Na+-ATPase in the magadi tilapia (alcolapia grahami), a 100% ureotelic teleost fish*" JOURNAL OF EXPERIMENTAL BIOLOGY (ISI) 2013 Vol. 216 No. 16

Maina John JN, Hsia CCW, Lambertz M, Perry SF and Schmitz A "Evolution of air breathing: oxygen homeostasis and the transitions from water to land and sky" Comprehensive Physiology (ISI) 2013 Vol. 3 No. 2

Makgwane Peter Ramashadi PR and Sinha Ray S "Nanosized ruthenium particles decorated carbon nanofibers as active catalysts for the oxidation of p-cymene by molecular oxygen" JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL (ISI) 2013 Vol. 373

Makgwane Peter Ramashadi PR and Suprakas Sinha SR "Catalytic activity and structure properties

of doped VOHPO4-0.5H2O with nano-science Ru, Au, Fe and Mn in benzene hydroxylation" JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY (ISI) 2013 Vol. 13 No. 7 Malherbe Charl CW, Janse van Vuren Johannes JH and Wepener V "Preliminary risk assessment of common-use pesticides using PRIMET and PERPEST pesticide risk models in a semi-arid subtropical region" WATER SA (ISI) 2013 Vol. 39 No. 5

Malinga Soraya Phumzile SP, Arotiba Omotayo OA, Diallo Mamadou S, Krause Rui RWM, Mamba Bhekie BB and Mapolie SF "Cyclodextrin-dendrimer functionalized polysulfone membrane for the removal of humic acid in water" JOURNAL OF APPLIED POLYMER SCIENCE (ISI) 2013 Vol. 130 No. 6

Malinga Soraya Phumzile SP, Arotiba Omotayo OA, Diallo Mamadou S, Krause RW, Mamba Bhekie BB and Mapolie SF "Composite polyester membranes with embedded dendrimer hosts and bimetallic Fe/Ni nano-particles: synthesis, characterisation and application to water treatment" JOURNAL OF NANOPARTICLE RESEARCH (ISI) 2013 Vol. 15 No. 6

Malinga Soraya SP, Arotiba Omotayo OA, Diallo Mamadou S, Krause RW, Mamba Bhekie BB and Mapolie SF "Nano-structured B-cyclodextrin-hyperbranched polyethyleneimine (B-CD-HPEI) embedded in polysulfone membrane for the removal of humic acid from water" SEPARATION SCIENCE AND TECHNOLOGY (ISI) 2013 Vol. 48

Mallick Kaushik K and Strydom Andre AM "Biophilic carbon nanotubes" COLLOIDS AND SURFACES B-BIOINTERFACES (ISI) 2013 Vol. 105

Mamba Bhekie BB, Bambo MF, Masinga SP, Mhlanga SD and Nxumalo Edward Ndumiso EN "A facile procedure to synthesize a three-component *B*-cyclodextrix polyurethane nano-composite matrix containing Ag decorated N-CNTs for water treatment" Nanoscience and Nanotechnology Letters (ISI) 2013 Vol. 5 No. 3

Mamba Bhekie BB, Momba M and Mwabi JK "Removal of waterborne bacteria from surface water and groundwater by cost-effective household water treatment systems (HWTS): a sustainable solution for improving water quality in rural communities of Africa" WATER SA (ISI) 2013 Vol. 39 No. 4

Mamba Gcina G, Govender Poomani PP and Mbianda Xavier XY "Phosphorylated multiwalled carbon nano-tube-cyclodextrin polymer: synthesis, characterization and potential application in water purification" CARBOHYDRATE POLYMERS (ISI) 2013 Vol. 98

Mamba Saul SM, Ahmed M, Darkwa James J, Kumar P, Narain R and Yang X-H "Synthesis and evaluation of polymeric gold glyco-conjugates as anti-cancer agents" BIOCONJUGATE CHEMISTRY (ISI) 2013 Vol. 24 No. 6

Masiteng Paulus PL, Bark RA, Carlsson BG, et al (and 11 others) et al (and 11 others), Kau J, Komati F, Lawrie EA, Lawrie JJ, Lindsay R, Maine P and Ramashidzha TM "Close near-degeneracy in a pair of four-quasiparticle bands in 1947!" PHYSICS LETTERS B (ISI) 2013 Vol. 719

Mather Charles CT "From cod to shellfish and back again? The new resource geography and Newfoundland's fish economy" APPLIED GEOGRAPHY (ISI) 2013 Vol. 45

Matinga Margaret Njirambo MN and Annegarn Harold HJ "Paradoxical impacts of electricity on life in a rural South African village" ENERGY POLICY (ISI) 2013 Vol. 58

Matinga Margaret Njirambo MN, Annegarn Harold HJ and Clancy JS "Healthcare provider views on the health effects of biomass fuel collection and use in rural Eastern Cape, South Africa: an ethnographic study" SOCIAL SCIENCE & MEDICINE (ISI) 2013 Vol. 97

Mbukwa Elbert EA, Boussiba S, Kaye Y, Leu S, Mamba Bhekie BB, Msagati Titus TAM and Wepener V "PCR amplification and DNA sequence of mcyA gene: the distribution Profile of a toxigenic microcystis aeruginosa in the Hartbeespoort Dam, South Africa" JOURNAL OF WATER AND HEALTH (ISI) 2013 Vol. 11 No. 3

Mbukwa Elbert EA, Boussiba S, Leu S, Mamba Bhekie BB, Msagati Titus TAM, Wepener Victor V and Yuval K "Potential use of dissolved cyanobacterial DNA for monitoring toxic microcystis cyanobacteria in filtered water" PHYSICS AND CHEMISTRY OF THE EARTH (ISI) 2013 Vol. 66

Mbukwa Elbert EA, Mamba Bhekie BB and Msagati Titus TAM "Preparation of guanidinium terminus-molecularly imprinted polymers for selective recognition and solid-phase extraction (SPE) of [arginine]-microcystins" ANALYTICAL AND BIOANALYTICAL CHEMISTRY (ISI) 2013 Vol. 405 No. 12

Mchugh Kyle KJ, Janse van Vuren Johannes JH, Smit NJ and Van Dyk Jacobus JC "Health of sharptooth catfish clarias gariepinus in Pongolapoort dam, South Africa: a comprehensive study" AFRICAN JOURNAL OF AQUATIC SCIENCE (ISI) 2013 Vol. 38 No. 2

Mckay Tracey TJM "Adventure tourism: opportunities and management for SADC destinations" Acta Academica (DHET) 2013 Vol. 45 No. 3

Mckay Tracey TJM "Development and land use conflicts on the Ash river, South Africa: energy provision versus adventure tourism" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Mckay Tracey TJM "Embedding academic support within an academic discipline: a teaching model" South African Journal of Higher Education (DHET) 2013 Vol. 27 No. 3

Mckay Tracey TJM "Leaping into urban adventure: Orlando Bungee, Soweto, South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Mckay Tracey TJM and Simpson Zachary ZS "The space between: pedagogic collaboration between a writing centre and an academic department" PERSPECTIVES IN EDUCATION (ISI) 2013 Vol. 31 No. 4

Meijboom Reinhout R, Coville NJ, Eke UB, Nesterov VN, Odebunmi EO, Owalude SO and Singleton Eric "Synthesis and x-ray studies of ruthenium(II) complexes containing hydrazine and benzyl isocyanide ligands" BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA (ISI) 2013 Vol. 27 No. 3

Mguni Liberty LL, Jalama Kalala K, Meijboom Reinhout R and Mukenga Mbala MM "Effect of calcination temperature and MgO crystallite size on MgO/TiO2 catalyst system for soybean oil transesterification" CATALYSIS COMMUNICATIONS (ISI) 2013 Vol. 34

Mguni Liberty LL, Jalama Kalala K, Meijboom Reinhout R, Mukenga Mbala M and Muzenda Edison E "Expanding the synthesis of Stöber spheres: towards the synthesis of nano-magnesium oxide and

FACULTY RESEARCH REPORTS

nano-zinc oxide" JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY (ISI) 2013 Vol. 66 No. 1

Mhlanga Sabelo SD, Coville NJ, Hümmelgen IA, Linganiso EC, Mwakikunga BW and Rodrigues R "GaN nanostructures-poly(vinyl alcohol) composite based hydrostatic pressure sensor device" MATERIALS CHEMISTRY AND PHYSICS (ISI) 2013 Vol. 143

Mhlanga Sabelo SD, Mphahlele K and Onyango MS "Efficient preparation of greener N-doped carbon nano-tube composites for water treatment by the microwave polyol method" Environmental Chemistry Letters (ISI) 2013 Vol. 11 No. 4

Mishra Ajay AK, Dlamini Derrick DS, Mamba Bhekie BB, Mishra Shivani S and Mthombo Thabo TS "Fabrication and characterization of HCI-treated clinoptilolite filled ethylene vinyl acetate composite films" JOURNAL OF APPLIED POLYMER SCIENCE (ISI) 2013 Vol. 127 No. 6

Mishra Gargi G, Mouri Hassina H and Viljoen Karel KS "Influence of mineralogy and ore texture on pentlandite flotation at the Nkomati nickel mine, South Africa" MINERALS ENGINEERING (ISI) 2013 Vol. 54

Mittal Hemant H, Fosso Kankeu Elvis E, Mishra Ajay AK and Mishra Shivani S "Biosorption potential of gum ghatti-g-poly(acrylic acid) and susceptibility to bio-degradation by B. subtilis" INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES (ISI) 2013 Vol. 62

Mittal Hemant H, Jindal R, Kaith BS, Kalia S, Mishra Ajay AK and Mishra Shivani S "Preparation of poly(acrylamide-co-acrylic acid)-grafted gum and its flocculation and bio-degradation studies" CARBOHYDRATE POLYMERS (ISI) 2013 Vol. 98

Mittal Hemant H, Jindal R, Kaith BS, Mishra Ajay AK and Mishra Shivani S "Flocculation characteristics and bio-degradation studies of gum ghatti based hydrogels" INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES (ISI) 2013 Vol. 58

Mittal Hemant H, Jindal R, Kaith BS, Mishra Ajay AK and Mishra Shivani S "Water-soluble carbon nano-tubes from bitumen waste: synthesis, functionalisation and derivatisation for its use as super-absorbent" Journal of Inorganic and Organometallic Polymers and Materials (ISI) 2013 Vol. 23 No. 5

Mokae Motsidisi MLL, Smit NJ and Wagenaar Gesina GM "Comparative histomorphological assessment of the testes of two clarias species from the Okavango Delta Panhandle, Botswana" TISSUE & CELL (ISI) 2013 Vol. 45

Morton Wilmari W and van Alten CJ *"Modal MTL-algebras"* FUZZY SETS AND SYSTEMS (ISI) 2013 Vol. 222

Mouri Hassina H, Brandl G and Maier WD "On the possible occurrence of Komatiites in the archaean high-grade polymetamorphic central zone of the Limpopo Belt, South Africa" SOUTH AFRICAN JOURNAL OF GEOLOGY (ISI) 2013 Vol. 116 No. 1

Msagati Titus TAM and Mamba Bhekie BB "Influence of micellar non-ionic surfactant solutions in the release of sorbed hydrophobic polycyclic aromatic hydrocarbons in soil slurry" ASIAN JOURNAL OF CHEMISTRY (ISI) 2013 Vol. 25 No. 1

Msagati Titus TAM, Chandramohan A, Omine K, Senthil kumar M and Sivasankar V "Evaluation of groundwater quality in Madurai City, South India for drinking, irrigation and construction purposes" Arabian Journal of Geosciences (ISI) 2013 Vol. Online First

Muller Alfred AJ, Conradie J and Stuurman NF "Conformational analysis of triphenylphosphine in square planar [Rh (β -diketonato)(CO)(PPh3)] complexes. Crystal structure of [Rh(PhCOCHCO(CH2)3CH3)(CO)(PPh3)]" INORGANICA CHIMICA ACTA (ISI) 2013 Vol. 395

Musyoka Stephen SM, Mamba Bhekie BB and Ngila Jane JC "Remediation studies of trace metals in natural and treated water using surface modified bio-polymer nano-fibers" PHYSICS AND CHEMISTRY OF THE EARTH (ISI) 2013 Vol. 66

Mwangi Isaac IW, Kamau Joseph JN, Msagati Titus TAM, Ndungu P and Ngila Jane JC "Immobilized Fe (III)-doped titanium dioxide for photodegradation of dissolved organic compounds in water" ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH (ISI) 2013 Vol. 20 No. 9

Mwangi Isaac IW, Msagati Titus TAM, Ndungu P and Ngila Jane JC "Method development for the determination of diallyldimethylammonium chloride at trace levels by epoxidation process" WATER AIR AND SOIL POLLUTION (ISI) 2013 Vol. 224 No. 9

Nemanashi Mulisa MS and Meijboom Reinhout R "Synthesis and characterization of Cu, Ag and Au dendrimer-encapsulated nanoparticles and their application in the reduction of 4-nitrophenol to 4-aminophenol" JOURNAL OF COLLOID AND INTERFACE SCIENCE (ISI) 2013 Vol. 389

Nemanashi Mulisa MS, Meijboom Reinhout R and Nemanashi Mulisa MS "Dendrimer derived titania-supported Au nanoparticles as potential catalysts in styrene oxidation" CATALYSIS LETTERS (ISI) 2013 Vol. 143 No. 4

Ngila Jane JC, Bala MD, Ikhile MI and Nyamori VO "Application of ferrocenylimidazolium salts as catalysts for the transfer hydrogenation of ketones" APPLIED ORGANOMETALLIC CHEMISTRY (ISI) 2013 Vol. 27 No. 2

Ngila Jane JC, Hamza IAA, Martincigh BS and Nyamori VO "Adsorption studies of aqueous Pb(II) onto a sugarcane bagasse/multi-walled carbon nanotube composite" PHYSICS AND CHEMISTRY OF THE EARTH (ISI) 2013 Vol. 66

Nomngongo Philiswa Nosizo PN, Kamau Joseph JN, Marjanovic Ljiljana L, Moodley B, Msagati Titus TAM and Ngila Jane JC "Pre-concentration of trace elements in short chain alcohols using different commercial cation exchange resins prior to inductively coupled plasma-optical emission spectrometric detection" ANALYTICA CHIMICA ACTA (ISI) 2013 Vol. 787

Nomngongo Philiswa Nosizo PN, Kamau Joseph JN, Moodley B, Msagati Titus TAM and Ngila Jane JC "Preconcentration of molybdenum, antimony and vanadium in gasoline samples using Dowex 1-x8 resin and their determination with inductively coupled plasma-optical emission spectrometry" TALANTA (ISI) 2013 Vol. 110

Nomngongo Philiswa Nosizo PN, Moodley B, Msagati Titus TAM, Musyoka Stephen SM and Ngila Jane JC "A solid phase extraction procedure based on electrospun cellulose-g-oxolane-2,5-dione nano-fibers for trace determination of Cd, Cu, Fe, Pb and Zn in gasoline samples by ICP-OES" Analytical Methods (SI) 2013 Vol. 5 No. 12

Nongwe Beas Isaac I, Bepete G, Coville NJ, Meijboom Reinhout R and Ravat V "Pd on boron-doped hollow carbon spheres - PdO particle size and support effects" JOURNAL OF CATALYSIS (ISI) 2013 Vol. 305

Nongwe Beas Isaac I, Coville NJ, Meijboom Reinhout R and Ravat V "Efficient and reusable Co/ nitrogen doped hollow carbon sphere catalysts for the aerobic oxidation of styrene" APPLIED CATALYSIS A-GENERAL (ISI) 2013 Vol. 466

Ntsendwana Bulelwa B, Arotiba Omotayo OA, Mamba Bhekie BB and Sampath Srinivasan "Photo-electro-chemical oxidation of p-nitrophenol on an expanded graphite-TiO2 electrode" PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES (ISI) 2013 Vol. 12 No. 6

Ntsendwana Bulelwa B, Arotiba Omotayo OA, Mamba Bhekie BB and Sampath Srinivasan "Synthesis, characterization and application of an exfoliated graphite-diamond composite electrode in the electrochemical degradation of trichloroethylene" RSC Advances (ISI) 2013 Vol. 3 No. 46

Nxumalo Edward Ndumiso EN, Mamba Bhekie BB, Mhlanga Sabelo SD and Msomi Phumlani PF "Production of N-doped carbon nano-tubes using α - and β -cyclodextrins: the effect of solubility' MATERIALS LETTERS (SI) 2013 Vol. 100

Nxumalo Edward Ndumiso EN, Mamba Bhekie BB, Mhlanga Sabelo SD and Phao N "A nitrogendoped carbon nano-tube enhanced polyethersulfone membrane system for water treatment" PHYSICS AND CHEMISTRY OF THE FARTH (IS 2013 Vol. 66

O Neill Vanessa V, Asani Furaha FF, Bornman Liza L, Jeffery Tamsym TJ and Saccone Donovan DS "Vitamin D receptor gene expression and function in a South African population: Ethnicity, Vitamin D and Fokl." PLoS One (ISI) 2013 Vol. 8 No. 6

Obuah Collins C, Ainooson Michael MK, Boltina Sibulele S, Darkwa James J, Guzei Ilia IA and Nozaki K "Ethylene and styrene carbon monoxide copolymerization catalyzed by pyrazolyl palladium(II) complexes" ORGANOMETALLICS (ISI) 2013 Vol. 32 No. 4

Oguntoke Olusegun O, Adebulehin AT and Annegarn Harold HJ "Biomass energy utilization, air quality and the health of rural women and children in Ido LGA, South-Western Nigeria" INDOOR AND BUILT ENVIRONMENT (IS) Vol. 22 No. 3

Oguntoke Olusegun O, Annegarn Harold HJ and Komolafe OA "Statistical analysis of shallow well characteristics as indicators of water quality in parts of Ibadan City, Nigeria" Journal of Water Sanitation and Hygiene for Development (ISI) 2013 Vol. 3

Oldewage Annemarie A, Jansen van Vuuren Bettine B, Le Roux Louise LE and Mashego S SN "Paradipilozoon ichthyoxanthon n. sp. (monogenea: diplozoidae) from labeobarbus aeneus (cyorinidae) in the Vaal River, South Africa" JOURNAL OF HELMINTHOLOGY (ISI) 2013

Olivier Denise Karola DK and Van Wyk Ben-Erik B "Bitterness values for traditional tonic plants of southern Africa" JOURNAL OF ETHNOPHARMACOLOGY (ISI) 2013 Vol. 147 No. 3

Olivier Denise Karola DK and Van Wyk Ben-Erik B "The major diterpenoids of the genus Arctopus (Apiaceae) with notes on their chemotaxonomic and medicinal significance" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 85

Oskolskii Aleksei A, Feng X-X and Jin J-H "Myrtineoxylon gen. nov.: the first fossil wood record of the tribe myrtaea (myrtaceae) in eastern Asia" TAXON (ISI) 2013 Vol. 62 No. 4

Ossa Ossa Frantz Gerard FG, Bekker A, Boulvais P, Cavalazzi Barbara B, El Albani A, Fontaine C, Gauthier-Lafaye F, Hofmann Axel A, Macchiarelli R, Meunier A, Pambo F and Pierson-Wickmann A-C "Exceptional preservation of expendable clay minerals in the ca. 2.1 Ga black shales of the Francevillian basin, Gabon and its implication for atmospheric oxygen accumulation" CHEMICAL GEOLOGY (ISI) 2013 Vol. 362

Pandey Sadanand S and Mishra Shivani S "Chromatographic resolution of racemic - amino acids: Chiral stationary phase derived from modified xanthan gum" CARBOHYDRATE POLYMERS (ISI) 2013 Vol. 92 No. 2

Pandy Wayde Roderick WR and Rogerson Christian CM "An historical overview of the establishment of timeshare recreation accommodation in South Africa (1978-1982)" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Pandy Wayde Roderick WR and Rogerson Christian CM "The timeshare industry of South Africa: analysis and contemporary challenges" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Pandy Wayde Roderick WR and Rogerson Christian CM "The timeshare industry of Africa: a study in tourism geography" Bulletin of geography: socio-economic series (IBSS) 2013 Vol. 21

Peratheepan Pararajasingham P, Adams MA, Adroja DT, Deen PP, Demmel F, Hillier AD, Kajino J, Muro Y, Ramos S, Smith RI, Stewart JR, Strydom Andre AM, Takabatake T and Taylor JW "Competing 4f -electron dynamics in Ce(Ru1-xFex)2AI10 (0 < x < 1.0): magnetic ordering emerging from the Kondo semiconducting state" PHYSICAL REVIEW B (ISI) 2013 Vol. 87 No. 22

Phillips Sonia Melanie SM, Dubery Ian IA and Van Heerden Henriette H "Identification and molecular characterization of a lectin receptor-like kinase (GhLecRK-2) from cotton" PLANT MOLECULAR BIOLOGY REPORTER (ISI) 2013 Vol. 31 No. 1

Phillips Sonia Melanie SM, Dubery Ian IA and Van Heerden Henriette H "Molecular characterisation of two homoeologous elicitor-responsive lipin genes in cotton" MOLECULAR GENETICS AND GENOMICS (ISI) 2013 Vol. 288 No. 10

Pillay Kriveshini K, Coville NJ, Cukrowska EM and Pillay Kriveshini K "Improved uptake of mercury by sulphur-containing carbon nano-tubes" MICROCHEMICAL JOURNAL (ISI) 2013 Vol. 108

Pillay Manisha M and Rogerson Christian CM "Agriculture-tourism linkages and pro-poor impacts: the accommodation sector of urban coastal KwaZulu-Natal, South Africa" APPLIED GEOGRAPHY (ISI) 2013 Vol. 36

Rahman Nurur N, Bigiel F, Blitz L, Bollato AD, Fisher DB, Leroy AK, Ott J, Rosolowsky E, Vogel SN, Walter F, Wong T and Xue R "CARMA survey toward infrared-bright nearby galaxies (STING). III. The dependence of atomic and molecular gas surface densities on galaxy properties" Astrophysical Journal Letters (ISI) 2013 Vol. 777 No. 1

Rai Prahant Kumar PK, Dhar P, Mishra Ajay AK, Sharma B, Srivastava AM and Watal G "Use of laser-induced breakdown spectroscopy for the detection of glycemic elements in Indian medicinal plants" Evidence-based Complementary and Alternative Medicine (ISI) 2013

Raichur Ashok AM "Chitosan-dextran sulphate nano-capsule drug delivery system as an effective therapeutic against intraphagosomal pathogen salmonella" JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY (ISI) 2013 Vol. 68 No. 11

Raichur Ashok AM "Near-infrared light-responsive graphene oxide composite multi-layer capsules: a novel route for remote controlled drug delivery" CHEMICAL COMMUNICATIONS (ISI) 2013 Vol. 49 No. 7

Raichur Ashok AM and Kurapati R "Composite cyclodextrin-calcium carbonate porous microparticles and modified multilayer capsules: novel carriers for encapsulation of hydrophobic drugs" Journal of Materials Chemistry B (ISI) 2013 Vol. 1 No. 25

Raichur Ashok AM and Tripathy J "Designing carboxymethyl cellulose based layer-by-layer capsules as a carrier for protein delivery" COLLOIDS AND SURFACES B-BIOINTERFACES (ISI) 2013 Vol. 101

Raichur Ashok AM and Tripathy J "LbL-coated micro-capsules as systems for encapsulation of optical brightening agent" JOURNAL OF APPLIED POLYMER SCIENCE (ISI) 2013 Vol. 127 No. 3

Raichur Ashok AM, Achiraman S, Anandhakumar S, Antony JJ, Siva D and Sripriya J "Laser receptive poly-electrolyte thin films doped with bio-synthesized silver nano-particles for antibacterial coatings and drug delivery applications" INTERNATIONAL JOURNAL OF PHARMACEUTICS (ISI) 2013 Vol. 457

Raichur Ashok AM, Chakravortty D, Gnanadhas DP, Radhakrishnan K and Thomas MB "Intracellular delivery of doxorubicin encapsulated in novel pH-responsive chitosan/heparin nano-capsules" International Journal of Nanomedicine (ISI) 2013 Vol. 8

Raichur Ashok AM, Chakravortty D, Gnanadhas DP, Thomas MB amd Thomas R "Interaction of silver nano-particles with serum proteins affects their antimicrobial activity in vivo" ANTIMICROBIAL AGENTS AND CHEMOTHERAPY (ISI) 2013 Vol. 57 No. 10

Raichur Ashok AM, Chandrasekaran N, Dalai S, Mukherjee A, Myneni R, Pakrashi S, Prathna TC and Trivedi S "Cytotoxicity of aluminium oxide nano-particles towards fresh water algal isolate at low exposure concentrations" AQUATIC TOXICOLOGY (ISI) 2013 Vol. 132-133

Raichur Ashok AM, Chandrasekaran N, Mukherjee A and Prathna TC "Heat mediated synthesis of silver nano-particles using citrus limon (Lemon) extract" ASIAN JOURNAL OF CHEMISTRY (ISI) 2013 Vol. 25 Supplementary

Raichur Ashok AM, Chandrasekaran N, Mukherjee A and Prathna TC "Process development for functionalization of cotton with silver nano-particles synthesized by bio-based approaches" Current Nanoscience (ISI) 2013 Vol. 9

Raichur Ashok AM, Goudar VS, Prashanth GR and Varma MM "Enhancing fluorescence signals from aluminium thin films and foils using polyelectrolyte multilayers" SENSORS AND ACTUATORS B-CHEMICAL (ISI) 2013 Vol. 183

Raichur Ashok AM, Radhakrishnan K and Tripathy J "Dual enzyme responsive micro-capsules simulating an "OR" logic gate for biologically triggered drug delivery applications" CHEMICAL COMMUNICATIONS (ISI) 2013 Vol. 49 No. 47

Rajesh Hariharan HM, Armstrong RA, Beukes Nicolas NJ, Chisonga Benny BC and Shindo Kazuyasu KS "Petrographic, geochemical and SHRIMP U-Pb titanite age characterization of the Thabazimbi mafic sills: extended time frame and a unifying petrogenetic model for the bush-veld large igneous province" PRECAMBRIAN RESEARCH (ISI) 2013 Vol. 230

Rampedi Isaac IT and Olivier J "Traditional beverages derived from wild food plant species in the Vhembe district, Limpopo province in South Africa" ECOLOGY OF FOOD AND NUTRITION (ISI) 2013 Vol. 52

Razzaque Soebur S "Galactic center origin of a subset of icecube neutrino events" PHYSICAL REVIEW D (ISI) 2013 Vol. 88 No. 8

Razzaque Soebur S "Long-lived PeV-EeV neutrinos from gamma-ray burst blast-wave" PHYSICAL REVIEW D (ISI) 2013 Vol. 88 No. 10

Razzaque Soebur S and Mena O "Hints of an axion-like particle mixing in the GeV gamma-ray blazar data?" JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS (ISI) 2013

Razzaque Soebur S, Akhmedov Ekh and Smirnov Ayu "Mass hierarchy, 2-3 mixing and CP-phase with huge atmospheric neutrino detectors" JOURNAL OF HIGH ENERGY PHYSICS (ISI) Vol. 2013 No. 2

Razzaque Soebur S, Atwood WB, Baldini L, Bregeon J, Bruel P, Chekhtman A, Cohen-Tanugi J, Drlica-Wagner A, Granot J, Longo F, Omodei N, Pesce-Rollins M, Rochester LS, Sgrö C, Tinivella M, Usher TL and Zimmer S "New fermi-LAT event reconstruction reveals more high-energy gamma rays from gamma-ray bursts" ASTROPHYSICAL JOURNAL (ISI) 2013 Vol. 774 No. 1

Reddy Leelakrishna L, Prinsloo Aletta ARE, Sheppard Charles CJ and Strydom Andre AM "Evolution of thermopower across a quantum-critical point: the (Cr86Ru14)1-xVx system" JOURNAL OF THE KOREAN PHYSICAL SOCIETY (ISI) 2013 Vol. 63 No. 3

Rogerson Christian CM and Rogerson Jayne JM "African tourism scholarship: trends in academic journal publishing" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Rogerson Christian CM, Hunt Holly and Rogerson Jayne JM "Safari lodges and local economic linkages in South Africa" Africanus: Journal of Development Studies (DHET) 2013 Vol. 43 No. 1

Rogerson Christian CM, Rogerson Jayne JM and Simango S "From recreation to niche tourism: the transformation of birdwatching in South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. Supplement 2

Rogerson Jayne JM "Size matters in the African hotel industry: the case of South Africa"

African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Rogerson Jayne JM "The changing accommodation landscape of Free State, 1936-2010: a case of tourism geography" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Rogerson Jayne JM "Urban tourism and the changing structure of the hotel economy in South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Rogerson Jayne JM "Market segmentation and the changing budget hotel industry in urban South Africa" Urbani izziv (IBSS) 2013 Vol. 24 No. 2

Rogerson Jayne JM "The economic geography of South Africa's hotel industry 1990-2010" Urban forum (IBSS) 2013 Vol. 24 No. 3

Rogerson Jayne JM "Reconfiguring South Africa's hotel industry 1990-2010: Structure, segmentation, and spatial transformation" APPLIED GEOGRAPHY (ISI) 2013 Vol. 36

Schnetler Rozanne R, Gillan Wayne WDH and Koorsen Gerrit G "Lipid composition of human meibum: a review" South African Optometrist (DHET) 2013 Vol. 72 No. 2

Seteni Bonani B, Mamba Bhekie BB, Moutloali RM, Ngila Jane JC and Sikhwivhilu K "Dechlorination of 3,3", 4,4'-tetracholorbiphenyl (PCB77) in water, by nickel/iron nano-particles immobilized on L-lysine/PAA/PVDF membrane" PHYSICS AND CHEMISTRY OF THE EARTH (ISI) 2013 Vol. 66

Sheppard Charles CJ, Fernando Plus PR, Peterson VK, Prinsloo Aletta ARE, Strydom Andre AM and Venter AM "Quantum critical behavior in the (Cr97.8Si2.2)100-yMoy alloy system" JOURNAL OF APPLIED PHYSICS (IS) 2013 Vol. 113 No. 17

Shukla Sudheesh Kumar SK, Arotiba Omotayo OA, Mamba Bhekie BB and Mishra Ajay AK "Amperometric and photometric responses of in Situ coupled glucose oxidase-poly (propylene imine) dendrimer based glucose bio-sensor" International Journal of Electrochemical Science (ISI) 2013 Vol. 8 No. 10

Shukla Sudheesh Kumar SK, Arotiba Omotayo OA, Mamba Bhekie BB and Mishra Ajay AK "Chitosan-based nano-materials: a state-of-the-art review" INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES (ISI) 2013 Vol. 59

Simelane Siphamandla S, Mamba Bhekie BB and Mbianda Xavier XY "A convenient procedure for the synthesis of 6-O-mono-phosphate β -cyclodextrins" PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS (ISI) 2013 Vol. 188

Simpson Zachary ZS and Mckay Tracey Morton TJM "Assessment rubrics: artefacts that speak in tongues?" Per Linguam: A Journal of Language Learning (DHET) 2013 Vol. 29 No. 1

Sinha Ray S and Ojijo V "Processing strategies in bio-nano-composites" PROGRESS IN POLYMER SCIENCE (ISI) 2013 Vol. 38

Sinha Ray S, Badenhorst J, Bandyopadhyay J, Pillai SK, Roux-van der Merwe MP and Scriba M "Microwave assisted green synthesis and characterization of silver/montmorillonite heterostructures with improved antimicrobial properties" APPLIED CLAY SCIENCE (ISI) 2013 Vol. 83-84

Sinha Ray S, Hato MJ, Ojijo V, Pillai SK and Scriba M "Morphological and thermal properties of photo-degradable bio-composite films" JOURNAL OF APPLIED POLYMER SCIENCE (ISI) 2013 Vol. 129 No. 1

Smith Albertus AJB, Beukes Nicolas NJ and Gutzmer Jens J "The composition and depositional environments of mesoarchean iron formations of the West Rand group of the Witwatersrand supergroup, South Africa" ECONOMIC GEOLOGY (ISI) 2013 Vol. 108

Smith Albertus AJB, Gutzmer Jens J, Roberts J, Schalkwyk C, Schouwstra R and Viljoen Karel KS "Geological variations in the Merensky reef at Bafokeng Rasimone platinum mine and its influence on flotation performance" MINERALS ENGINEERING (ISI) 2013 Vol. 52

Smith James R and Taylor EM "MDGs and NTDs: reshaping the global health agenda" PLoS Neglected Tropical Diseases (ISI) 2013 Vol. 7 No. 12

Snyman Jasper JL and Strydom Andre AM "Studying ferromagnetism in PrNiGe2 through the magnetocaloric effect" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 113 No. 17

Snyman Jasper JL, Carleschi Emanuela E, Doyle Bryan BP and Strydom Andre AM "Positive and negative magneto-caloric effects in CeSi" JOURNAL OF APPLIED PHYSICS (ISI) 2013 Vol. 113 No. 17

Soekoe Michelle M, Smit NJ and Van der Bank Frederick FH "Is caudal fin colour in tigerfish hydrocynus vittatus a sex or population trait?" AFRICAN JOURNAL OF AQUATIC SCIENCE (ISI) 2013 Vol. 38

Soekoe Michelle M, Smit NJ and Van der Bank Frederick FH "Determining the most suitable method of otolith preparation for estimating the age of tigerfish, Hydrocynus vittatus in the Pongolapoort Dam, South Africa" AFRICAN ZOOLOGY (ISI) 2013 Vol. 48 No. 1

Southey Justin JG and Henning Michael MA "Domination versus independent domination in cubic graphs" DISCRETE MATHEMATICS (ISI) 2013 Vol. 313

Southey Justin JG and Henning Michael MA "Edge weighting functions on dominating sets" JOURNAL OF GRAPH THEORY (ISI) 2013 Vol. 72 No. 3

Steeb Willi WH "Triple spin interaction and entanglement" ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES (ISI) 2013 Vol. 68a No. 02-Jan

Steeb Willi WH and Hardy Y "Hamilton operators, discrete symmetries, brute force and symbolicC++" INTERNATIONAL JOURNAL OF MODERN PHYSICS C (ISI) 2013 Vol. 24 No. 1

Steeb Willi WH, Fosner A and Hardy Y "Cayley transform and the Kronecker product of Hermitian matrices" LINEAR ALGEBRA AND ITS APPLICATIONS (ISI) 2013 Vol. 439 Ulusoy Ceren C, Gulmez Timucin T, Niemczura E and Ulas B "An asteroseismic study of the southerm β cephei star ALS 3721" NEW ASTRONOMY (ISI) 2013 Vol. 22

Steenkamp PA, Adewusi EA, Fouche G and Steenkamp V "Isolation of cycloeucalenol from boophone disticha and evaluation of its cytotoxicity" Natural Product Communications (ISI) 2013

FACULTY RESEARCH REPORTS

Vol. 8 No. 9

Steenkamp PA, Klimkait T, Louvel S, Maharaj V, Moodley N, Nthambeleni R, Seibert I and Vidal V "Identification of compounds from the plant species alepidea amatymbica active against HIV" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 86

Steenkamp PA, Mathiba K, Mokoena N, Rashamuse K and Tsekoa T "Functional characterisation of a metagenome derived family VIII esterase with a deacetylation activity on β -lactam antibiotics" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS (ISI) 2013 Vol. 437

Stepanova Anna Valentinovua AV, Kotina Ekaterina EL, Tilney Patricia PM and Van Wyk Ben-Erik B "Wood and bark anatomy of hypocalyptus support its isolated taxonomic position in leguminosae" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 89

Stepanova Anna Valentinovua AV, Oskolskii Aleksei A, Tilney Patricia PM and Van Wyk Ben-Erik B "Wood anatomy of the tribe podalyrieae (fabaceae, papilionoideae): diversity and evolutionary trends" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 89

Stoev Stoycho SD and Denev SA "Porcine/chicken or human nephropathy as the result of joint mycotoxins interaction" Toxins (ISI) 2013 Vol. 5

Strydom Andre AM "The cage compound Ce2Pt9Al16: a low-temperature magnetic field study" JOURNAL OF LOW TEMPERATURE PHYSICS (ISI) 2013 Vol. 170 No. 06-May

Strydom Andre AM, Adroja DT, Kawabata J, Khalyavin DD, Manuel P, Takabatake T and Umeo K "Change of magnetic ground state by light electron doping in CeOs2Al10" PHYSICAL REVIEW B (ISI) 2013 Vol. 88 No. 6

Strydom Andre AM, Baenitz M, Khuntia P and Steglich F "Quenching of spin fluctuations in the 3d and 4f aluminides YFe2AI10 and YbFe2AI10: a comparative 27AI NMR and specific heat study" PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS (ISI) 2013 Vol. 250 No. 3

Strydom Andre AM, Baenitz M, Khuntia P, Peratheepan Pararajasingham P and Steglich F "Fluctuations and the ferromagnetic instability in YFe2Al10: the role of Fe stoichiometry" PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS (ISI) 2013 Vol. 250 No. 3

Strydom Andre AM, Britz Douglas D and Snyman Jasper JL "Non-fermi-liquid instabilities in non-centrosymmetric heavy-fermion CePtSi: a low-temperature study" PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS (ISI) 2013 Vol. 250 No. 3

Strydom Andre AM, Dressel M, Guritanu V, Held K, Iizuka T, Kimura S, Paschen S, Prokofiev A, Scheffler M, Sichelschmidt J, Steglich F, Weig T, Winkler H and Wissgott P "Anisotropic optical conductivity of the putative Kondo insulator CeRu4Sn6" PHYSICAL REVIEW B (ISI) 2013 Vol. 87 No. 11

Strydom Andre AM, Lorenzer K-A, Paschen S and Thamizhavel A "Temperature-field phase diagram of quantum critical CeAuSb2" PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS (ISI) 2013 Vol. 250 No. 3

Strydom Andre AM, Nesterenko S, Seropegin Y, Snyman Jasper JL and Tursina A "Crystal structure and physical properties of CePd4Sn: a new magnetically ordered Kondo lattice" JOURNAL OF ALLOYS AND COMPOUNDS (ISI) 2013 Vol. 577

Suprakas Sinha SR, Bandyopadhyay J and Greesh Nagi "Role of nano-clay shape and surface characteristics on the morphology and thermal properties of polystyrene nano-composites synthesized via emulsion polymerization" INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH (ISI) 2013 Vol. 52 No. 46

Suprakas Sinha SR, Ojijo V and Sadiku R "Toughening of biodegradable polylactide/poly(butylene succinate-co-adipate) blends via in Situ reactive compatibilization" ACS Applied Materials & Interfaces (ISI) 2013 Vol. 5 No. 10

Tesfagiorgis Habtom Butsuamlak HB and Annegarn Harold HJ "Evaluation of adjuvants for enhanced management of podosphaera xanthii using potassium silicate and bio-control agents" CROP PROTECTION (ISI) 2013 Vol. 48

Thwala Justice J, Hoek EMV, Kang S, Li M, Mamba Bhekie BB and Wong MCY "Bacteria– polymeric membrane interactions: atomic force microscopy and XDLVO predictions" LANGMUIR (ISI) 2013 Vol. 29 No. 45

Thwala Melusi M, Musee N, Sikhwivhilu L and Wepener Victor V "The oxidative toxicity of Ag and ZnO nano-particles towards the aquatic plant spirodela punctuta and the role of testing media parameters" Environmental Science-Processes & Impacts (ISI) 2013 Vol. 15 No. 10

Tiwari Anand AD, Kuvarega Alex AT, Mamba Bhekie BB, Mishra Ajay AK and Mishra Shivani S "Stabilisation of silver and copper nanoparticles in a chemically modified chitosan matrix" CARBOHYDRATE POLYMERS (IS) 2013 Vol. 92 No. 2

Tsunogae T, Endo T, Santosh M, Shaji E and Shimizu H "Granulite formation in a Gondwana fragment: petrology and mineral equilibrium modeling of incipient charnockite from Mavadi, southern India" MINERALOGY AND PETROLOGY (ISI) 2013 Vol. 107 No. 5

Tugizimana Fidele F, Dubery Ian IA and Piater Lizelle LA "Plant metabolomics: a new frontier in phytochemical analysis" SOUTH AFRICAN JOURNAL OF SCIENCE (ISI) 2013 Vol. 109 No. 06-May

Ulusoy Ceren C, Alvarez M, Antoniuk K, Balona LA, Carbognani A, Cenadelli D, Damasso M, Dimitrov D, Fox Machado L, Gulmez Timucin T, Iliev IKh, Kobulnicky HA, Michel R, Pickering TE, Pit N, Shakhovskoy DN, Stateva I and Ulas B "Multisite photometric campaign on the highamplitude & Scuti star KIC 6382916" MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY (ISI) 2013 Vol. 433 No. 1

Ulusoy Ceren C, Alvarez M, Balona LA, Carbognani A, Cenadelli D, Damasso M, Dimitrov D, Fox Machado L, Gulmez Timucin T, Iliev IKh, Kobulnicky HA, Kwon J, Michel R, Pickering TE, Stateva I, Tamura M and Yasarsoy B "Mode identification in the high-amplitude & Scuti star V2367 Cyg" MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY (ISI) 2013 Vol. 428 No. 4

Ulusoy Ceren C, Gulmez Timucin T, Niemczura E and Ulas B "New β cephei variable in the southern open cluster NGC 6200: ALS 3728" NEW ASTRONOMY (ISI) 2013 Vol. 23-24

FACULTY RESEARCH REPORTS

Van Der Merwe Clinton David CD "The limits of urban heritage tourism in South Africa: the case of Constitution Hill, Johannesburg" Urban forum (IBSS) 2013 Vol. 24 No. 4

Van Der Merwe Clinton David CD and Rogerson Christian CM "Industrial heritage tourism at the 'Big Hole', Kimberley, South Africa" African Journal for Physical, Health Education, Recreation and Dance (AJPHERD) (DHET) 2013 Vol. 19 No. 2

Van Dyk Jacobus JC, McHugh KJ, Smit NJ and Weyl OLF "First report of nephrocalcinosis in a wild population of mugil cephalus L. and myxus capensis (valenciennes)" JOURNAL OF FISH DISEASES (ISI) 2013 Vol. 36 No. 10

Van Wyk Ben-Erik B and de Wet H "Taxonomic notes on the genus Albertisia (Menispermaceae) in South Africa and Mozambique" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 84

Van Wyk Ben-Erik B, Boatwright JS, Cardoso D, de Queiroz LP, Lavin M, Pennington RT and Wojciechowski MF "Reconstructing the deep-branching relationships of the papilionoid legumes" SOUTH AFRICAN JOURNAL OF BOTANY (ISI) 2013 Vol. 89

Van Wyk Ben-Erik B, Bruneau A, Doyle JJ, et al (and 26 others), Herendeen P, Hughes C, Kenicer G, Lewis G, Mackinder B, Pennington RT, Sanderson MJ and Wojciechowski MF "Legume phylogeny and classification in the 21st century: progress, prospects and lessons for other species-rich clades" TAXON (ISI) 2013 Vol. 62 No. 2

Van Wyk Ben-Erik B, Chen W, Joubert E, Sudji IR, Wang E and Wink M "Ameliorative effect of aspalathin from rooibos (Aspalathus linearis) on acute oxidative stress in Caenorhabditis elegans" PHYTOMEDICINE (ISI) 2013 Vol. 20 No. 04-Mar

Van Wyk Ben-Erik B, Ngwenya AM and Nkonki T "Fabaceae: a new species of lessertia (galegeae) from KwaZulu-Natal, South Africa" BOTHALIA (ISI) 2013 Vol. 43 No. 2

Viljoen Karel KS, Akdogan G, Eksteen JJ, Taskinen P and Thyse EL "Towards understanding nickel converter matte solidification" MINERALS ENGINEERING (ISI) 2013 Vol. 54

Von Solms Sebastiaan SH *"Die kuberruimte - voordele en nadele"* Tydskrif Vir Geesteswetenskappe (ISI) 2013 Vol. 53 No. 1

Vunain Ephraim E, Jalama Kalala K, Malgas Rehana R and Meijboom Reinhout R "The effect of recrystallization time on pore size and surface area of mesoporous SBA-15" JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY (ISI) 2013 Vol. 68 No. 2

Vunain Ephraim E, Krause Rui RWM and Mishra Ajay AK "Ethylene-vinyl acetate (EVA)/ polycaprolactone (PCL)-Fe3O4 composites: preparation, thermal and mechanical properties" JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY (ISI) 2013 Vol. 114 No. 2

Vunain Ephraim E, Krause Rui RWM and Mishra Ajay AK "Fabrication, characterization and application of polymer nanocomposites for arsenic(IIII) removal from water" Journal of Inorganic and Organometallic Polymers and Materials (ISI) 2013 Vol. 23 No. 2

Winkler Hartmut H, Eltrop L, Fahl U and Telsnig T "Efficiency and costs of different concentrated solar power plant configurations for sites in Gauteng and the Northern Cape, South Africa" Journal of Energy in Southern Africa (ISI) 2013 Vol. 24 No. 1

Wohlgemuth Ueberwasser Cora C, Danyushevsky L, Gilbert S, Hanley J, Norman M, Pearson N, Robinson P and Savard D "A comparative study of five reference materials and the Lombard meteorite for the determination of the platinum-group elements and gold by LA-ICP-MS" GEOSTANDARDS AND GEOANALYTICAL RESEARCH (ISI) 2013 Vol. 37 No. 1

Yeo Anders A, Crowston R, Gutin G and Jones M "Parameterized complexity of satisfying almost all linear equations over F2" THEORY OF COMPUTING SYSTEMS (ISI) 2013 Vol. 52 No. 4

Yeo Anders A, Gutin G and Muciaccia G "(Non-)existence of polynomial kernels for test cover problem" INFORMATION PROCESSING LETTERS (ISI) 2013 Vol. 113

Yeo Anders A, Gutin G, Jones M and Scheder D "A new bound for 3-satisfiable MaxSat and its algorithmic application" INFORMATION AND COMPUTATION (ISI) 2013 Vol. 231

Yessoufou Kowiyou K and Davies TJ "Revisiting the impacts of non-random extinction on the treeof-life" Biology Letters (ISI) 2013 Vol. 9 No. 4

Yessoufou Kowiyou K, Davies TJ, Kuzmina M, Maurin Olivier O, Savolainen V, Schaefer H and Van der Bank Michelle M "Large herbivores favour species diversity but have mixed impacts on phylogenetic community structure in an African savanna ecosystem" JOURNAL OF ECOLOGY(ISI) 2013 Vol. 101 No. 3

NON-FACULTY

Research, Postgraduate Studies, Library and Information Centre Deputy Vice-Chancellor: Prof Tshilidzi Marwala

- BOOKS -

Marwala Tshilidzi T "Economic Modeling using Artificial Intelligence Methods: Advanced Information and Knowledge Processing" 2013 Springer ISBN. 978-1-4471-5009-1

- CONFERENCE PROCEEDINGS -

Duma Innocent Sizo IS, Marwala Tshilidzi T and Twala Bhekisipho B. "Predictive modeling for default risk using a multi-layered feed-forward neural network with Bayesian regularization". IEEE International Joint Conference on Neural Networks. 2013. IEEE. ISBN. 978-1-4673-6129-3

Hassan Narmeen N, Marwala Tshilidzi T and Twala Bhekisipho B. "Gold mine dam levels and energy consumption classification using artificial intelligence methods". IEEE Business Engineering and Industrial Applications Colloquium. 2013. IEEE. ISBN. 978-1-4673-5968-9

Hassan Narmeen N, Marwala Tshilidzi T and Twala Bhekisipho B. "Predicting mine dam levels and energy consumption using artificial intelligence methods". IEEE Symposium on Computational Intelligence for Engineering Solutions & IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-5851-4

Kommula Venkata Parasuram VP, Kanchireddy Obi Reddy K, Marwala Tshilidzi T and Shukla Mukul M. "Morphological, structural and thermal characterization of acetic acid modified and unmodified napier grass fiber strands". 07th International Conference on Intelligent Systems and Control . 2013. Allied Publishers Pvt Ltd. ISBN. 978-1-4673-4601-6

Kommula Venkata Parasuram VP, Kanchireddy Obi Reddy K, Marwala Tshilidzi T and Shukla Mukul M. "Morphology and chemical resistance of Napier grass fibre strands/epoxy resin composites". 13th Biennial Conference of Botswana Institution of Engineers. 2013. BIE. ISBN. 978-99912-0-910-4

Kuthadi Venu VM, Marwala Tshilidzi T, Ranjan Abhishek A and Selvaraj Rajalakshmi "Detection and avoidance of routing attack in mobile ad-hoc network using intelligent node" International Multi-Conference on IT, Computers, Electronics and Mechanical Engineering & International Multi-Conference on Education, Law, Environment and Metallurgical Engineering 2013 Planetary Scientific Research Centre ISBN. 978-93-82242-50-5

Maumela Joshua JT, Marwala Tshilidzi T and Nelwamondo Fulufhelo FV. "Condition monitoring of transformer bushings using rough sets, principal component analysis and granular computation as preprocessors". IEEE International Conference on System Science and Engineering. 2013. IEEE. ISBN. 978-1-4799-0009-1

Twala Bhekisipho B, Marwala Tshilidzi T, Mekuria F and Ntlatlapa N. "Building a sustainable research & HCD eco-system: case study of two wireless communication eco-systems". IST - Africa Conference and Exhibition. 2013. IEEE. ISBN. 978-1-905824-39-7

Xing Bo B, Gao Wen Jing W and Marwala Tshilidzi T. "An overview of cuckoo-inspired intelligent algorithms and their applications". IEEE Symposium on Swarm Intelligence (SIS 2013) and IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-6004-3

Xing Bo B, Gao Wen Jing W and Marwala Tshilidzi T. "Teaching-learning-based optimization approach for enhancing re-manufacturability pre-evaluation system's reliability". IEEE Symposium on Swarm Intelligence (SIS 2013) & IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-6004-3

Xing Bo B, Gao Wen Jing W and Marwala Tshilidzi T. "The applications of computational intelligence in system reliability optimization". IEEE Symposium on Computational Intelligence for Engineering Solutions (CIES 2013) & IEEE Symposium Series on Computational Intelligence. 2013. IEEE. ISBN. 978-1-4673-5851-4

- JOURNALS -

Anderson George GG, Marwala Tshilidzi T and Nelwamondo Fulufhelo FV. "Multi-core scheduling based on learning from optimization models". International Journal of Innovative Computing Information and Control (ISI). 2013. Vol. 9 No. 4

Duma Mlungisi Sizwe MS, Marwala Tshilidzi T, Nelwamondo F and Twala Bhekisipho B. "Partial imputation of unseen records to improve classification using a hybrid multi-layered artificial immune system and genetic algorithm". APPLIED SOFT COMPUTING (ISI). 2013. Vol. 13

Kommula Venkata Parasuram VP, Kanchireddy Obi Reddy K, Marwala Tshilidzi T, Rajulu AV and Shukla Mukul M. "Physico-chemical, tensile, and thermal characterization of napier grass (Native African) fiber strands". INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION (ISI). 2013. Vol. 18

Nelwamondo Fulufhelo FV, Golding D and Marwala Tshilidzi T. "A dynamic programming approach to missing data estimation using neural networks". INFORMATION SCIENCES (ISI). 2013. Vol. 237

