

# Open Access - be seen, be read, be cited, have impact!

A Stellenbosch University Perspective



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Stellenbosch University

14 May 2014

“Universities and researchers are coming under increasing pressure to **demonstrate the wider impact that their funded research** has beyond the end of the research project.”

[Manchester Univ. eScholar Blog](#) (2012)

# Why Open Access?

- Increase research visibility
- Increase citations
- Increase impact
- Encourage dialogue and collaboration
- Easy access for all
- Continuous review process
- Rapid dissemination
- And many more ...

# Open Access @ SU

- SUNScholar – all research output



- SUNJournals – online journals



- SUNConferences – online conference proceedings

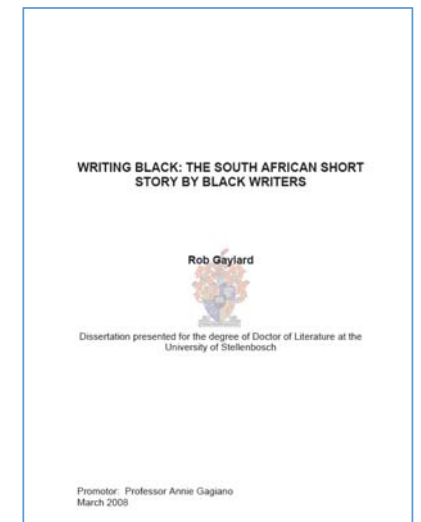


# SUNScholar – Impact – Example 1:

Doctoral Dissertation, Dept. of English (2008) – **digitised**

**Writing black : the South African short story by black writers/Rob Gaylard**

Printed Copy	Issued 1x (March 2008)
Open Access Copy	Downloads (November 2009 - )
7 June 2012	2 629
13 May 2014	3 151



# SUNScholar – Impact – Example 2:

Research Article, Dept. of Animal Sciences (2013) – **hot topic**

**A high incidence of species substitution and mislabelling detected in meat products sold in South Africa**/Cawthorn, Donna-Maree Steinman, Harris A. Hoffman, Louwrens C.

## Subscription article (Elsevier):

Cawthorn, D-M., Steinman, H.A., & Hoffman, L.C. 2013. A high incidence of species substitution and mislabelling detected in meat products sold in South Africa. **Food Control**, 32(2),  
doi: <http://dx.doi.org/10.1016/j.foodcont.2013.01.008>.

Author's Pre-print:	✓	author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓	author can archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	✗	author cannot archive publisher's version/PDF

# SUNScholar – Impact – Example 2 (cont.):

Open Access Copy	Downloads (27 February 2013 - )
12 November 2013	984
13 May 2014	1 534

Sparked dialogue (also on social media), investigations, additional reviews of article .....

We want to encourage dialogue and have results scrutinised – along scientific principles.



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### Facts in perspective

The RPO released an evaluation of the article "A high incidence of species substitution and mislabelling detected in meat products sold in South Africa" by Cawthorn et al. in Food Control 2013, Vol. 32, 440 – 449.

Some of the media reports on the research results of this article are not factually correct. At least one Sunday newspaper (RAPPOR) reported that meat of water buffalo, donkey and goat were present in 68% of the meat products which has been tested. The correct facts are that 68% of meat products that has been tested, contained species which has not been indicated on the label, with soy and gluten (>28%), pork (37%) and chicken (23%) which occur the most without being indicated as such on the label.

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# City Press

## NEWS

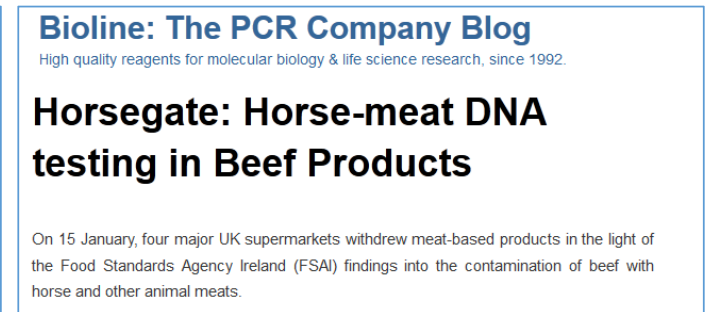
### Meat syndicates: Cop memo reveals all

Jacques Pauw @City\_Press  
3 March 2013 10:00

[Like](#) 83 [Tweet](#) 57 [Pin It](#) [Share](#) 27

Tons of water buffalo meat from Asia was smuggled into South Africa last year – just one such shipment organised by crime syndicates which are flooding our market with cheap and potentially hazardous meat.

A confidential 2012 police crime intelligence report, a copy of which City Press has seen, reveals how these syndicates flourish because of porous borders, inadequate controls and local meat shortages.



## Bioline: The PCR Company Blog

High quality reagents for molecular biology & life science research, since 1992.

### Horsegate: Horse-meat DNA testing in Beef Products

On 15 January, four major UK supermarkets withdrew meat-based products in the light of the Food Standards Agency Ireland (FSAI) findings into the contamination of beef with horse and other animal meats.

More like this

- Meat Inspections & Labeling in SA: Depts of Agriculture, Health, Trade & Industry, Stellenbosch & Western Cape Universities
- Ncera Farms Forensic Investigation Report postponed, Meat Inspection services & labelling: Departments Health, Trade and Industry, Agriculture, Forestry Fishery presentations
- Meat Inspection Proposals & Working Group recommendations: Departmental briefing, Nominations for Agricultural Research Council Board deferred
- Meat Safety Bill: briefing
- Food labelling in South Africa: feedback by Department of Agriculture, Forestry and Fisheries, Department of Health & Department of Trade and Industry

## Report back from Departments of Health, Trade and Industry, and Agriculture, Forestry and Fisheries on meat inspection services and labelling in South Africa

»  [Printer-friendly version](#)

Agriculture, Forestry and Fisheries

**Date of Meeting:** 21 Jun 2013

**Chairperson:** Mr M Johnson (ANC) & Dr BM Goqwana (ANC)

**Documents handed out:**

 [Report from DTI on strengthening food control & food labelling](#)

 [Food Safety and Food Control in South Africa: specific reference to meat labelling \(DTI, DAFF & DoH\)](#)

**Audio recording of the meeting:**

[PC Agric: Report-back from Departments of Health, Trade & Industry, & Agriculture, Forestry and Fisheries on meat inspection](#)

**Summary:**

The Departments of Agriculture, Forestry and Fisheries (DAFF), Health (DoH) and Trade and Industry (DTI) briefed a joint meeting of the Portfolio Committees on Agriculture, Health, and Trade and Industry, on meat inspection services and labelling in South Africa. DAFF coordinated the briefings which included input from the National Consumer Commission (NCC). The most important Committee concerns emerging from the meeting were that the current capacity for carrying out meat inspection services was a serious risk to food safety and that the coordinated structure was not moving fast enough to restore public confidence.

On 30 May 2013, a one-day seminar led by DAFF, 118 delegates from various sectors had proposed how challenges in the food value chain -- not just for meat -- should be resolved. The coordinated structures would harmonise information and strengthen what was being done. Once the proposal had been approved by Cabinet, a more detailed action plan -- with resources and time frames -- would be submitted to the Committee. The earliest possible date for Cabinet approval would be in August. DAFF was currently leading the Task Team.

The National Consumer Commission investigation would be completed by the first week of July 2013, and a comprehensive report of the findings and recommendations would then be compiled. It could not comment on its observations at this stage.

Members asked which department was the main driver of the process; which department was responsible for monitoring border control and the abattoirs; why imports from Brazil and India had been stopped; if inspection services monitored all imports; and if the departments could guarantee that the food was fresh, pure and not contaminated when it reached the shelves for consumers. They also asked if SARS identified the countries from which South Africa imported meat and how SARS fitted into the structure; how many products that were refused entry in another country were imported into SA; and for a list of South Africa's import standards compared to international standards.

**Resulted in Investigations by Dept. of Health, Trade and Industry, Agriculture, Forestry and Fisheries**



# SUNScholar – Impact – Example 3:

Doctoral Dissertation, Dept. of Electrical and Electronic Engineering  
(Dec. 2013) – **expediting publishing research output because of funder requirements**

**Improving the direction-dependent gain calibration of reflector antenna radio telescopes/ André Young**

Open Access Copy	Downloads (13 June 2013 - )
October 2013	204
13 May 2014	272

**Andre Young**  
 Postdoctoral fellow, Stellenbosch University  
 Antennas - Computational Electromagnetics  
 Verified email at sun.ac.za

**1**

Citation indices	
	Since 2009
Citations	21
h-index	2
i10-index	0

**Author Level Metrics**

Citations to my articles

Title / Author	Cited by	Year
<a href="#">Current capabilities for the full-wave electromagnetic modelling of dishes for SKA</a> DB Davidson, R Lehmensiek, DIL de Villiers, A Young Electromagnetics in Advanced Applications (ICEAA), 2013 International ...	2	2013
<a href="#">Sensitivity of shaped offset Gregorian type reflector systems to mechanical mounting errors</a> A Young, DIL de Villiers, DB Davidson Electromagnetics in Advanced Applications (ICEAA), 2013 International ...		2013
<a href="#">Application of the characteristic basis function pattern method to reflector surface inaccuracies and sidelobe modeling</a> A Young, R Maaskant, MV Ivashina, DB Davidson Electromagnetics in Advanced Applications (ICEAA), 2013 International ...	1	2013
<a href="#">Accurate Beam Prediction Through Characteristic Basis Function Patterns for the MeerKAT/SKA Radio Telescope Antenna</a> A Young, R Maaskant, MV Ivashina, DIL de Villiers, DB Davidson IEEE Transactions on Antennas and Propagation 61 (5), 2466-2473	4	2013
<a href="#">An overview of beam modeling techniques for future radio telescopes</a> A Young, MV Ivashina, R Maaskant, OA lupikov, DB Davidson Antennas and Propagation (EuCAP), 2013 7th European Conference on, 656-657		2013
<a href="#">'Seeing' radio waves: feature</a> A Young, D Davidson Quest 9 (2), 24-30		2013
<a href="#">Improving the direction-dependent gain calibration of reflector antenna radio telescopes</a> A Young Stellenbosch: Stellenbosch University	1	2013

**Citations**

**2**

[How wide is the "knowing-doing" gap in invasion biology?](#)  
 KJ Esler, H Prozesky, GP Sharma, M McGeoch - *Biological invasions*, 2010 - Springer

Abstract Invasion biology is a growing discipline with clear ecological, social and economic implications. A wide range of research effort is thus required to address the invasion problem, and literature on the topic is extensive. However, the extent to which the invasion

**Article Level Metrics**

Cited by 21 Related articles Web of Science: 12 Cite Save More

Tue 2014/05/13 09:46 AM

**3**

Google Scholar Alerts <scholaralerts-noreply@google.com>  
 Scholar Alert - Andre Young - new citations

To inacsmith@gmail.com

**Scholar Alert: New citations to articles in Andre Young's profile**

[\[PDF\] Macro Basis Function Framework for Solving Maxwell's equations in Surface-Integral-Equation Form](#)  
 C Craeye, J Laviada, R Maaskant, R Mittra

Abstract—The Macro Basis Functions (MBFs) approach is a form of domain-decomposition method applied to radiation and scattering problems solved by using integral-equation techniques. It enables a systematic reduction of the number of degrees of freedom, from ...

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# Overall SUNScholar Usage Statistics

**5 Nov. 2011 – 30 April 2014 (2 years, 6 months):**

13 067 **full text items**

606 434 **visits**

2 276 101 **page views**; 1 564 000 **unique page views**

208 806 **downloads**; 171 201 **unique downloads**

# SUNJournals – Impact – Examples:

Two highly specialised journals:

South African Journal of Libraries and Information Sciences



Scientia Militaria



# Since SAJLIS has gone OA & online ...

- Increase in usage & visibility (also international)
- Increase in submission of papers
- Reduced costs – minimal expenses (profit)
- Retrospective issues also to be published online – digitisation process
- Next: Thomson Reuters Impact Factor

# SAJLIS Statistics

- Top downloaded article: Personal knowledge management: the foundation of organisational knowledge management/P Jain, Vol 77, No 1 (2011)  
**1 315 downloads**
- 107 articles (2002 (vol. 68) – 2013 (vol. 79))
- 26 887 downloads in total
- 266 users enrolled

# Scientia Militaria – top downloaded article

**SOUTH AFRICAN ARMY RANKS AND INSIGNIA**  
*Arthur Radburn*

**Abstract**

Like many other aspects of South Africa's military tradition, our rank system is derived from that of the British Army. It has, however, been modified and developed over the years to suit our own particular requirements, and has become a distinctive system in its own right. This article is a brief survey of developments since the army was organised in 1912.

**Keywords**

COMMANDO RANKS; EXPANSION OF THE RANK STRUCTURE; WOMEN'S AUXILIARY ARMY SERVICE RANKS; NEW TITLES AND BADGES

**Full Text:**  
[PDF](#)

DOI: <http://dx.doi.org/10.5787/20-2-364>

**Article Metrics**

PDF Views.

PKP 412  
This journal

View Type	Count
monthly	188
yearly	0

**Rebacks**

There are currently no rebacks.

**ADD COMMENT**

SHRRE

Vol. 20 no. 2 (1990)  
Downloads: **4 681**  
DOI (Usage tracked via Crossref)  
Article Metrics  
**Finding References**  
Social Media

# Scientia Militaria – Finding References

The screenshot shows a Bing search results page. The search query is "SOUTH AFRICAN ARMY RANKS AND INSIGNIA Athur Radburn". The results show 8,210 results. The first result is "SOUTH AFRICAN ARMY RANKS AND INSIGNIA | Radburn | ..." from scientiamilitaria.journals.ac.za. The second result is "SOUTH AFRICAN ARMY RANKS AND INSIGNIA - Scientia ..." from scientiamilitaria.journals.ac.za. The third result is "South African military ranks - Wikipedia, the free ..." from en.wikipedia.org/wiki/South\_African\_military\_ranks. A blue double-headed arrow points from the Wikipedia link in the search results to the Wikipedia article preview on the right.

The preview shows the Wikipedia article for "South African military ranks". It includes the Wikipedia logo, the title "South African military ranks", and a brief description: "From Wikipedia, the free encyclopedia". The main text of the preview reads: "The South African National Defence Force's rank system is largely based on the British system, with In 2008 the South African Air Force redesigned its insignia completely, while keeping the Army titles."



# Overall SUNJournals Usage Statistics (2011-2014)

- Total no. of OA journal titles: 15 active; 5 new in 2014 = 20
- Total no. of articles: 9 006 for 15 titles
- Total no. of downloads: 993 319 for 15 titles

# More visibility

- Open Source Software, Setup, Google Scholar Site Map, URL's, Metadata – international standards
- Google Scholar Profile, ORCID ID, ResearcherID
- Promote journal
  - Journal Level Metrics
- Promote individual articles
  - Article Level Metrics
- Promote individual researchers
  - Author Level Metrics



# Performance Management

Apply:

- Bibliometrics (citations)
- Altmetrics (social media)
- Downloads

No only one size fits all – use various tools in conjunction e.g.:

- Google Scholar Citations
- Web of Science
- Scopus
- [impactstory.org](http://impactstory.org)
- Crossref
- Subject discipline tools to measure impact
- Etc.

# Academic Integrity

Researchers should take ownership of their academic identity & integrity on the web – be pro-active e.g:

- Create a Google Scholar Profile, ORCID ID
- Set up alerts and know who cites your work and in which context they use it
- Assign good quality metadata to OA research so that Google will return quality research at the top of the listing
- Conduct Google searches for your own research/name, and see where it has been mentioned
- Take action if needed

**"New knowledge** is built on **existing knowledge**. If existing knowledge is not accessible – or is increasingly privatised – then the whole enterprise of creating new knowledge for the **benefit of society** in general and the planet, is hobbled."

- Ralph Pina –

**Thank you**

# Bibliography

Institutional Repositories and measuring research impact. Manchester eScholar Blog. <http://manchesterescholar.blogspot.com/>. 1 June 2012.