

# University of Pretoria

## We build the road by walking: open access policies @ the University of Pretoria

UNESCO Regional Workshop on the Benefits of Open Access for Research  
Pretoria 23 November 2010



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA  
Denklesers • Leading Minds • Diligopolo ka DINHLE

[www.up.ac.za](http://www.up.ac.za)

# Contents

- Position statement
- Purpose and aim of the policies
- Policy statement
- Scope of the policies
- Legal aspects
- Implementation strategy or how do we enhance UP visibility?
- Hurdles
- Positive feedback
- Future plans



# Position statement of the University of Pretoria

- The University of Pretoria
  - supports **free access** to research literature for all researchers worldwide
  - takes **responsibility** for the dissemination of its own research outputs
- Making UP research freely available should be maximized to
  - increase the visibility
  - and impact of this research for the benefit of both researchers & UP
- Staff, students, and university administrators must
  - take responsibility for expanding access to scholarly research
  - ensure that their research publications reach as wide an audience as possible



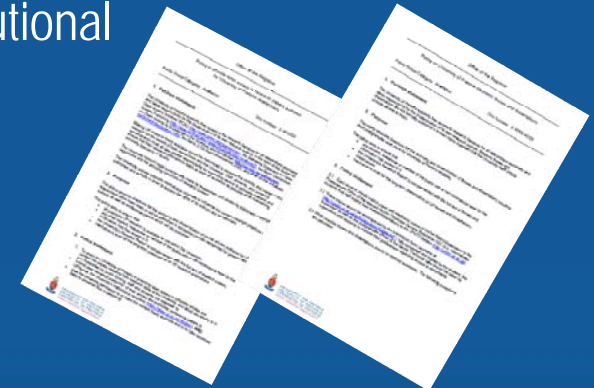
# Purpose and aim of the policies

- The policy provides directions for the archiving and dissemination of
  - theses and dissertations resulting from postgraduate work done by University of Pretoria students
  - journal articles authored by UP researchers which have been or will be published in accredited journals recognized for government subsidy as well as conference papers which will be published
- The policy aims
  - That anyone with a need for the research has access to it
  - Research Report is complemented with the full-text links
  - Mechanisms exist for the long-term preservation of UP research



# Policy statement

- Each student is **required** to
  - submit paper and electronic copies of his/her thesis/dissertation to the Postgraduate Office of the relevant faculty accompanied by a Submission form
- Each staff member or student is **required** to
  - submit the peer-reviewed postprints of their articles and published conference papers to UPSpace, the University's institutional repository



# Scope of the policies

- The policy applies to **all** postgraduate students and staff members of the University of Pretoria
- Exceptions:
  - Research that does not qualify for the Research Report
  - Articles written before the researcher joined the University of Pretoria
  - Articles written after the researcher left the University of Pretoria



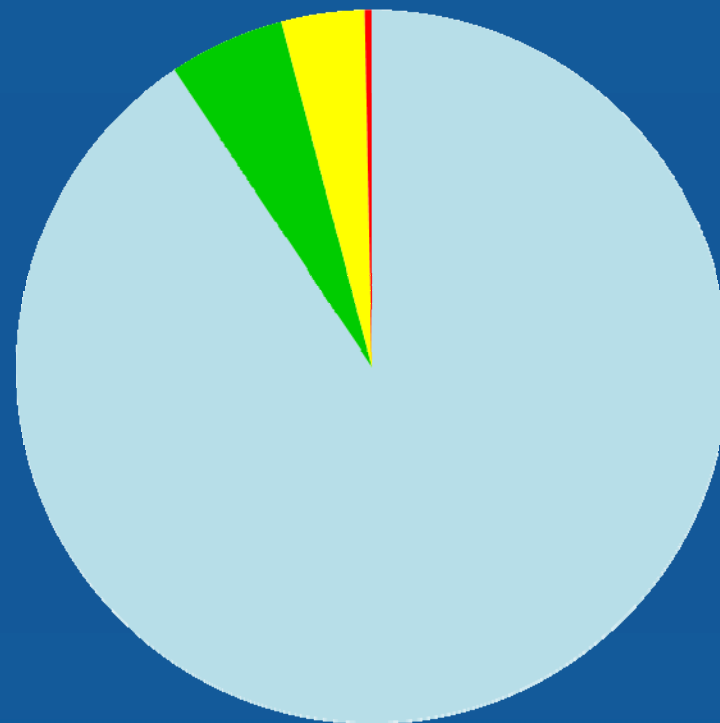
# Legal aspects of the policies

- Copyright for etds
  - Vest in the University according to General Regulations
  - Access restrictions
- Copyright for research articles
  - UP recommends that transfer of copyright be avoided
  - Copyright Transfer Agreement of the publisher
  - International journal archiving policies SHERPA-RoMEO
  - National policy does not exist
  - Open Scholarship negotiates on behalf of UP researchers
  - Access restrictions



# UPeTD access restrictions for 6029 items

## Availability



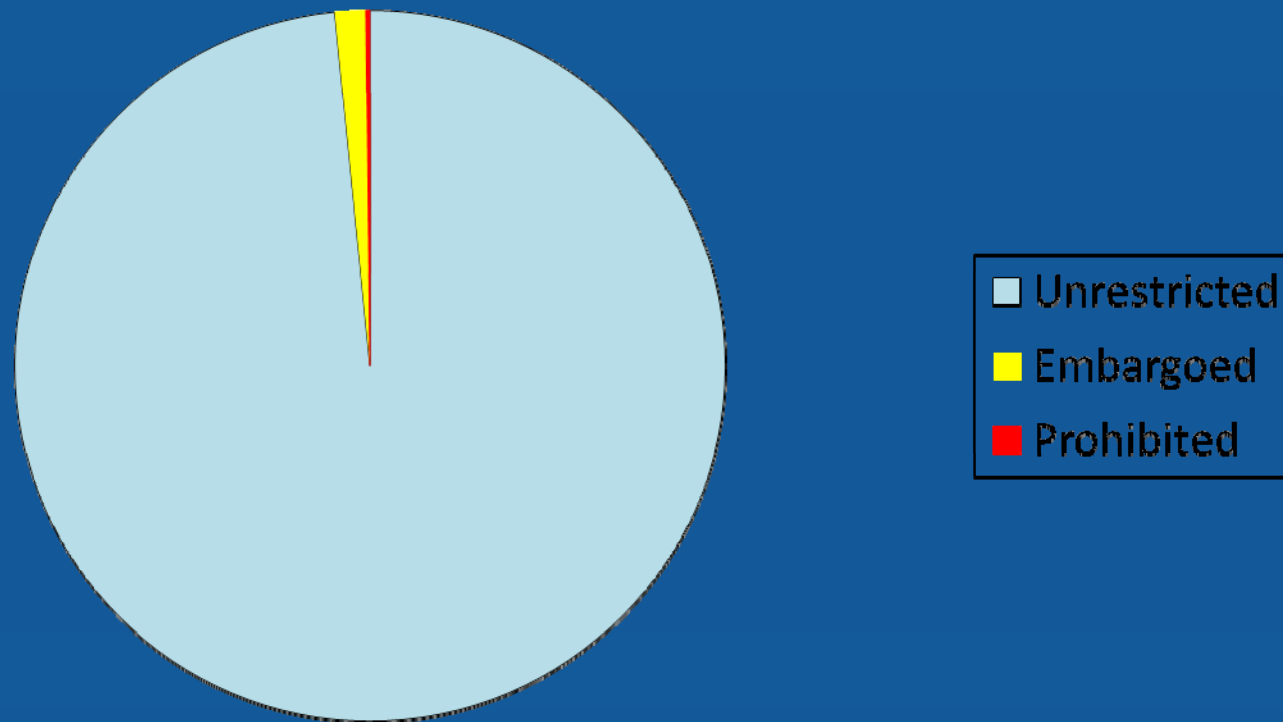
- Unrestricted
- Campus access
- Embargoed
- Prohibited





# openUP access restrictions for 5061 items

**Article availability**



# Copyright addendum modifies & supplements CTA



UNIVERSITY OF PRETORIA



## AUTHOR'S ADDENDUM TO PUBLICATION AGREEMENT

1. THIS ADDENDUM hereby modifies and supplements the attached Publication Agreement concerning the following Article:

\_\_\_\_\_

(manuscript title)

\_\_\_\_\_

(journal name)

2. The parties to the Publication Agreement as modified and supplemented by this Addendum are:

\_\_\_\_\_

(the Publisher)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(corresponding author, Individually or, if more than more author, collectively, Author)

3. This Addendum and the Publication Agreement, taken together, allocate all rights under copyright with respect to all versions of the Article. The parties agree that wherever there is any conflict between this Addendum and the Publication Agreement, the provisions of this Addendum prevail and the Publication

Use this site to find a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.

### Search

Search  Journal titles or ISSNs  Publisher names  
for   
find  contains  starts with  Exact phrase only  ISSN  
Show open access mandate compliance in results for:

### Browse

- [All publishers](#)
- [Green publishers](#)
- [Blue publishers](#)
- [Yellow publishers](#)
- [White publishers](#)

[What the colours mean.](#)

### Special RoMEO Pages

- [Publishers Allowing use of their PDFs in Repositories](#)
- [Publishers with Paid Options for Open Access](#)
- [Selected research funders' grant expenditure](#)
- [RoMEO Statistics](#). Proportion of RoMEO colours for listed publishers. Growth of the database.
- [API documentation](#). The application programmers' interface is available for m2m access: for example to be integrated into a repository's deposit process.
- [List of sites using RoMEO data](#).

### RoMEO News

- [Latest Updates to RoMEO](#)
- [FAQ](#)
- [New SHERPA/RoMEO Journals Database](#) - 29-October-2010
- [Portuguese Version of RoMEO Released](#) - 22-October-2010
- [RoMEO reaches 700 Publishers](#) - 11-February-2010
- [Major Upgrade to RoMEO released](#) - 22-Oct-2009
- For further RoMEO News see our [Blog](#) and [Twitter](#)

### Recently Added Publishers



- [MedPharm Publications \(Medical and Pharmaceutical Publications\)](#) - 11-Nov-2010
- [Norsk Forening for Automatisering \(Norwegian Society of Automatic Control\)](#) - 11-Nov-2010
- [American Society of Parasitologists](#) - 09-Nov-2010
- [Universitets- og Høgskolerådet \(Norwegian Association of Higher Education Institutions\)](#) - 08-Nov-2010
- [AOAC International](#) - 25-Oct-2010



# What do publishers allow?



Researcher



Pre-print version



Peer-review experts



Post-print version



Publisher's version



# Implementation strategy: We build the road by walking



# UPeTD : current state of affairs 6029



<http://upetd.up.ac.za/UPeTD.htm>

University of Pretoria

**NEWS**

Elsabe Olivier elected to the NDLTD board

\*\*\*

UPeTD has improved its rating in the international Webometrics ranking of institutional repositories once more. We are now no. 65 worldwide in terms of content, size and visibility. [Read more](#)

\*\*\*

UP receives two NDLTD awards. *Monica Hammes* for ETD leadership, and *Jacques Orton* for Innovative learning through ETDs. [Read more](#)

\*\*\*

UPeTD celebrates [10 years of success](#)

UPeTD for

- Access to UP theses
- UP student guidelines and support for online submission
- Access to the submission system

**NDLTD**

*UPeTD forms part of the Networked Digital Library of Theses and Dissertations*

It is compulsory for UP students to submit their theses and dissertations to UPeTD

Database pages best viewed in Internet Explorer

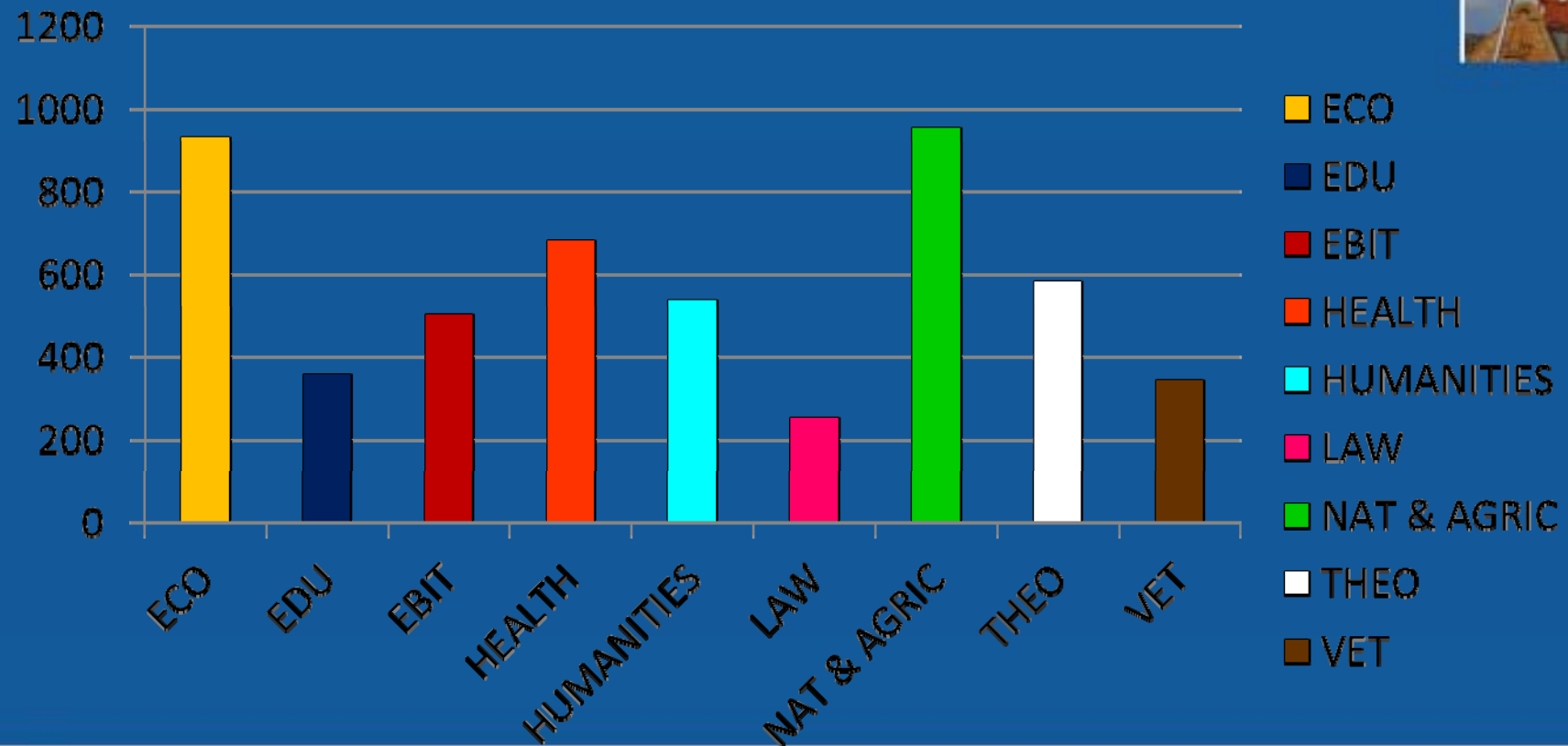
About UPeTD   Guidelines for Students   Copyright   Contact Us

Enquiries: [upetd@up.ac.za](mailto:upetd@up.ac.za) University of Pretoria. Copyright © 2004. Privacy policy and terms of use. Revised: 07/26/2010

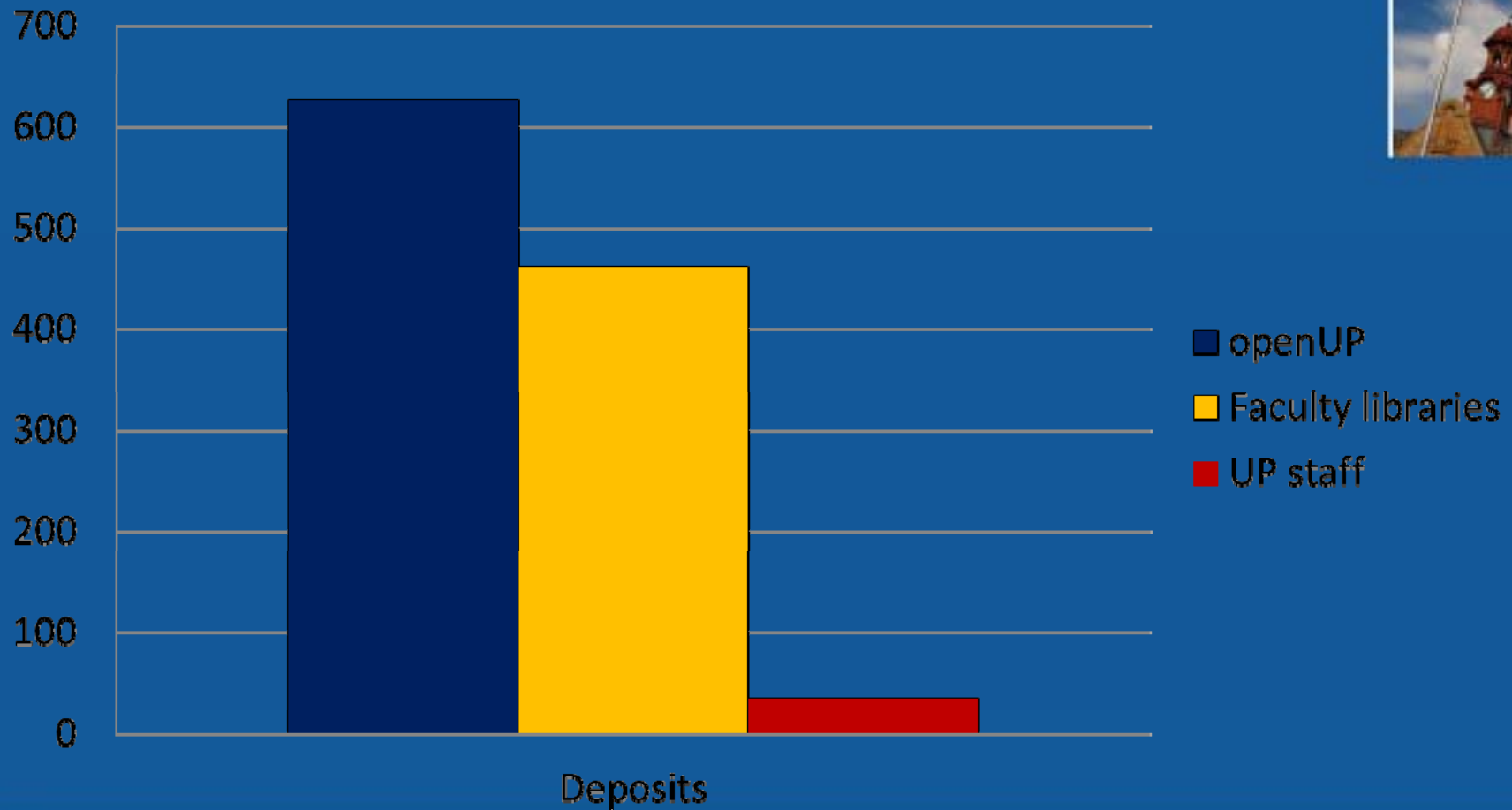


# openUP : current state of affairs 5061

## Totals



# Implementation strategy 1: Mediated approach





# Implementation strategy 2: Personalized collections



The screenshot shows the UPSpace repository interface. At the top, the University of Pretoria logo is on the left, and a red-bordered box contains the URL <http://repository.up.ac.za/upspace/handle/2263/108>. Below the URL is a banner image showing hands typing on a keyboard, a laptop, and a person reading. The main content area is titled "Jonathan Jansen Collection (197 items)" and includes a search box with "In: Jonathan Jansen Collection (197 items)" and a "Search for" field. Below the search box are buttons for "Titles", "Authors", "Subjects", and "By Date". A profile picture of Jonathan Jansen is shown to the right. The page also features a "Recent Submissions" section with links to articles like "The leadership of transition: correction, conciliation and change in South African education" and "Afskeidsgeleentheid van prof. Jonathan Jansen 27 Maart 2007". There is also an "RSS Feeds" section with buttons for "RSS 1.0" and "RSS 2.0".

UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

<http://repository.up.ac.za/upspace/handle/2263/108>

UPSpace at the University of Pretoria >  
Education (561 items) >  
Education Management and Policy Studies >

Search UPSpace  
Go  
Advanced Search  
Home

Browse  
Communities & Collections  
Titles  
Authors  
Subjects  
By Date

Sign on to:  
Receive email updates  
My UPSpace authorized users  
Edit Profile  
About UPSpace

**Jonathan Jansen Collection (197 items)**  
Community home page

In: Jonathan Jansen Collection (197 items)  
Search for [ ] Go  
or browse Titles Authors Subjects By Date

Professor Jonathan Jansen obtained his PhD at Stanford University School of Education and his MS in Science Education at Cornell University. He served as the Dean of the Faculty of Education, University of Pretoria up to March 2007, and is internationally regarded as one of the top researchers in the field of education. This collection contains the research output of Prof Jansen from 1988 until 2007.

**Collections in this community**

- Knowledge & Research Collection (Jonathan Jansen)
- Media Columns (Jonathan Jansen)
- Photo Album (Jonathan Jansen)
- Radio & TV Interviews (Jonathan Jansen)

**Recent Submissions**

[The leadership of transition : correction, conciliation and change in South African education](#)

[Afskeidsgeleentheid van prof. Jonathan Jansen 27 Maart 2007](#)

[Tuks education boffin resigns](#)

[In 'n klas van sy eie](#)

[Tuks 'must nurture black academics'](#)

**RSS Feeds**

RSS 1.0 RSS 2.0

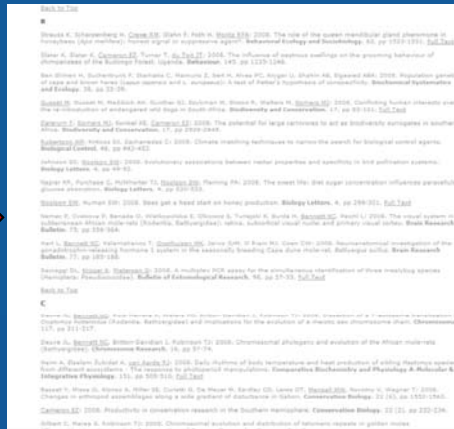
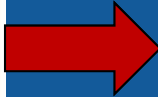
For inquiries regarding this collection or items in the collection, please contact [Elsabé Olivier](#) Tel.: +27 12 420 3719

View the [Collection Policy](#)

View the [Subject list](#)



# Implementation strategy 3: Research Report

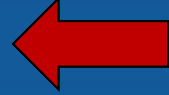


**The role of the queen mandibular gland pheromone in honeybees (*Apis mellifera*): honest signal or suppressive agent?**

Karin Strauss<sup>1</sup>, Edgar Scharpenberg<sup>1</sup>, Robin M. Crewe<sup>2</sup>, Felix Glahn<sup>3</sup>, Heidi Foth<sup>3</sup> and Robin F. A. Moritz<sup>1\*</sup>

**Abstract**

Queen pheromones interfere with worker reproduction in social insects. However, first it still an unresolved question as to whether this pheromone acts as an "honest" signal for workers, giving a reliable indication of the queen's reproductive value, or as a suppressive agent, hindering or other reproductive independent of the queen's reproductive capacity. In honeybees (*Apis mellifera*), the queen's mandibular gland secretion, a mix of fatty acids and some aromatic compounds, is crucial for regulating the reproductive division of labor in the colony, including on any development in workers. We quantified the mandibular gland secretions of virgin, drone-laying, and naturally mated queens using gas chromatography to test whether the queens' mating, ovary activation, or the reproductive value for workers correlated with the composition of the secretion. Although the absolute amount of the "queen substance" (3-oxo-2(3H)-indoleacetic acid (3-OQA) was similar among the three groups, the proportions of 3-OQA decreased with increasing reproductive quality. Furthermore, the ratios of queen to worker compounds were similar in all three treatment groups, irrespective of the reproductive capacity. A multivariate analysis including all six compounds could not separate drone-laying queens from naturally mated ones, both with active ovaries but only the latter raising colony brood. We suggest that the mandibular gland pheromone is unlikely to function as reliable indicators of queen reproductive value and rather operate as an agent to suppress worker reproduction. This does not exclude the possibility that other "honest" pheromone signals exist in the honeybee colony, but these would have to arise from other semiochemicals, which could be produced by both the queen and the brood.



**Title:** The role of the queen mandibular gland pheromone in honeybees (*Apis mellifera*): honest signal or suppressive agent?

**Author/s:** Strauss, Karin; Scharpenberg, Edgar; Crewe, Robin M.; Glahn, Felix; Foth, Heidi; Moritz, Robin F.A.

**LC Subjects:** Honeybee - Research; Bee culture - Queen rearing; Insect societies

**Keywords:** Honeybee; Queen-worker conflict; Pheromone; Family; Dominance

**Issue Date:** 2008

**Publisher:** Springer

**Citation:** Strauss, K, Scharpenberg, E, Crewe, RM, Glahn, F, Foth, H & Moritz, RFA 2008, 'The role of the queen mandibular gland pheromone in honeybees (*Apis mellifera*): honest signal or suppressive agent?', *Behavioral Ecology and Sociobiology*, vol. 62, no. 9, pp. 1522-1531. [<http://www.springer.com/behavioraljournal/2655>]

**Abstract:** Queen pheromones interfere with worker reproduction in social insects. However, there is still an unresolved question as to whether this pheromone acts as an "honest" signal for workers, giving a reliable indication of the queen's reproductive value, or as a suppressive agent, hindering worker reproduction independent of the queen's reproductive capacity. In honeybees (*Apis mellifera*), the queen's mandibular gland secretion, a mix of fatty acids and some aromatic compounds, is crucial for regulating the reproductive division of labor in the colony, including on any development in workers. We quantified the mandibular gland secretions of virgin, drone-laying, and naturally mated queens using gas chromatography to test whether the queens' mating, ovary activation, or the reproductive value for workers correlated with the composition of the secretion. Although the absolute amount of the "queen substance" (3-oxo-2(3H)-indoleacetic acid (3-OQA) was similar among the three groups, the proportions of 3-OQA decreased with increasing reproductive quality. Furthermore, the ratios of queen to worker compounds were similar in all three treatment groups, irrespective of the reproductive capacity. A multivariate analysis including all six compounds could not separate drone-laying queens from naturally mated ones, both with active ovaries but only the latter raising colony survival. We suggest that the mandibular gland pheromone is unlikely to function as reliable indicators of queen reproductive value and rather operate as an agent to suppress worker reproduction. This does not exclude the possibility that other "honest" pheromone signals exist in the honeybee colony, but these would have to arise from other semiochemicals, which could be produced by both the queen and the brood.

**URI:** <http://dx.doi.org/10.1007/s11691-008-9180-1>

**ISSN:** 0340-2443

**Rights:** Springer. The original publication is available at [www.springerlink.com](http://www.springerlink.com)

**Type:** Postprint Article

**Language:** en

**Appears in Collections:** [Research Articles \(Zoology and Entomology\)](#)

Files in This Item:				
File	Description	Size	Format	
<a href="#">Strauss_Role2008.pdf</a>	Postprint Article	158.55 kb	Adobe PDF	<a href="#">View/Open</a>



# Implementation strategy 4: Partnerships



# Implementation strategy 5: Keep track of UP output



From: <alert@scopus.com> Monday - November 22, 2010 9:27 AM  
 To: <elsabe.olivier@up.ac.za>  
 Subject: Scopus Search Alert: University of Pretoria 2008  
 Attachments: Mime.822 (44 KB) [\[View\]](#) [\[Save As\]](#)

## Search Alert: 24 new results

[Access all new results](#) in Scopus for: AFFIL(university of pretoria) AND DOCTYPE(ar) AND PUBYEAR AFT 2007.

In the table below, you can see the **24 new results** for this Search Alert.

### Results: 24

Document	Author(s)	Date	Source title	Citations
1. <a href="#">Midwives' perceptions about adolescents' utilisation of public prenatal services in Bulawayo, Zimbabwe</a>	Chaibva, C.N., Ehlers, V.J., Roos, J.H.	2010	<i>Midwifery</i> , <b>26</b> (6) pp. e16-e20.	0
2. <a href="#">Exploring a secondary school educator's experiences of school violence: A case study</a>	Bester, S., du Plessis, A.	2010	<i>South African Journal of Education</i> , <b>30</b> (2) pp. 203-229.	0
3. <a href="#">A cardiac glucoside with invitro anti-HIV activity isolated from <i>Elaeodendron croceum</i></a>	Prinsloo, G., Meyer, J.J.M., Hussein, A.A., Munoz, E., Sanchez, R.	2010	<i>Natural Product Research</i> , <b>24</b> (18) pp. 1743-1746.	0
4. <a href="#">Worth-centred mobile phone design for older users</a>	Renaud, K., van Biljon, J.	2010	<i>Universal Access in the Information Society</i> , <b>9</b> (4) pp. 387-403.	0
5. <a href="#">The effect of monetary policy on house price inflation: A factor augmented vector autoregression (FAVAR) approach</a>	Gupta, R., Kabundi, A.	2010	<i>Journal of Economic Studies</i> , <b>37</b> (6) pp. 616-626.	0
6. <a href="#">Canaloplasty for primary open-angle glaucoma: long-term outcome.</a>	Grieshaber, M.C., Pienaar, A., Olivier, J., Stegmann, R.	2010	<i>The British journal of ophthalmology</i> , <b>94</b> (11) pp. 1478-1482.	0

# Implementation strategy 6: Etd retrospective digitization (1595 items)



Title page for ETD etd-09222008-152651

<b>Document Type</b>	Master's Dissertation
<b>Author</b>	Owusu-Agyemang, Kwame
<b>URN</b>	etd-09222008-152651
<b>Document Title</b>	The contribution of the Tsolo red meat cluster to household income and general well-being
<b>Degree</b>	MinstAgrar
<b>Department</b>	Agricultural Economics, Extension and Rural Development
<b>Supervisor</b>	<b>Advisor Name Title</b> Prof J Kirsten Co-Supervisor Dr T Doyer Supervisor
<b>Keywords</b>	<ul style="list-style-type: none"><li>• sale of feeds</li><li>• veterinary medicines</li><li>• running of butcheries</li><li>• sale of prepared meat</li><li>• herding of livestock</li><li>• animal husbandry</li></ul>
<b>Date</b>	2008-04-15
<b>Availability</b>	restricted

Abstract

The full text of this dissertation is not available online. Pending permission from the author/supervisor, access may be provided on [request](#)



# Implementation strategy 7: Digitize UP journals

## ■ South African Journal of Art History

- [South African Journal of Art History Volume 02 \(1987\)](#)
- [South African Journal of Art History Volume 04 \(1989\)](#)
- [South African Journal of Art History Volume 09 \(1991\)](#)
- [South African Journal of Art History Volume 10 \(1992\)](#)
- [South African Journal of Art History Volume 11 \(1993\)](#)
- [South African Journal of Art History Volume 12 \(1994\)](#)
- [South African Journal of Art History Volume 13 \(1995\)](#)
- [South African Journal of Art History Volume 14 \(1996\)](#)
- [South African Journal of Art History Volume 15 \(2000\)](#)
- [South African Journal of Art History Volume 16 \(2001\)](#)
- [South African Journal of Art History Volume 17 \(2002\)](#)
- [South African Journal of Art History Volume 18 \(2003\)](#)
- [South African Journal of Art History Volume 21 \(2006\)](#)
- [South African Journal of Art History Volume 22 \(2007\)](#)
- [South African Journal of Art History Volume 23 \(2008\)](#)
- [South African Journal of Art History Volume 24 \(2009\)](#)
- [South African Journal of Art History Volume 25 \(2010\)](#)
- [South African Journal of Art History Volume 26 \(2011\)](#)
- [South African Journal of Art History Volume 27 \(2012\)](#)
- [South African Journal of Art History Volume 28 \(2013\)](#)
- [South African Journal of Art History Volume 29 \(2014\)](#)
- [South African Journal of Art History Volume 30 \(2015\)](#)
- [South African Journal of Art History Volume 31 \(2016\)](#)
- [South African Journal of Art History Volume 32 \(2017\)](#)
- [South African Journal of Art History Volume 33 \(2018\)](#)
- [South African Journal of Art History Volume 34 \(2019\)](#)
- [South African Journal of Art History Volume 35 \(2020\)](#)
- [South African Journal of Art History Volume 36 \(2021\)](#)
- [South African Journal of Art History Volume 37 \(2022\)](#)
- [South African Journal of Art History Volume 38 \(2023\)](#)
- [South African Journal of Art History Volume 39 \(2024\)](#)
- [South African Journal of Art History Volume 40 \(2025\)](#)

## ■ International Journal of Tea Science

- [International Journal of Tea Science Volume 1 \(2001\)](#)
- [International Journal of Tea Science Volume 2 \(2002-3\)](#)
- [International Journal of Tea Science Volume 3 \(2004\)](#)
- [International Journal of Tea Science Volume 4 \(2005\)](#)
- [International Journal of Tea Science Volume 5 \(2006\)](#)
- [International Journal of Tea Science Volume 6 \(2007\)](#)

## ■ South African Society for Greek Philosophy and the Humanities

### ■ Phronimon

- [Phronimon Volume 1 Number 1 \(1999\)](#)
- [Phronimon Volume 2 Number 1 \(2000\)](#)
- [Phronimon Volume 3 Number 1 \(2001\)](#)
- [Phronimon Volume 3 Number 2 \(2001\)](#)
- [Phronimon Volume 4 Number 1 \(2003\)](#)
- [Phronimon Volume 5 Number 1 \(2004\)](#)
- [Phronimon Volume 5 Number 2 \(2004\)](#)
- [Phronimon Volume 6 Number 1 \(2005\)](#)
- [Phronimon Volume 6 Number 2 \(2005\)](#)
- [Phronimon Volume 7 Number 1 \(2006\)](#)
- [Phronimon Volume 7 Number 2 \(2006\)](#)





## Implementation strategy 9: Identify new champions

“UPSpace is the ideal platform to provide access to the latest research emerging from the Forestry and Agricultural Biotechnology Institute (FABI) at the University of Pretoria. Research published in peer-reviewed journals is now legally accessible globally, allowing other scientists to build on research topics addressed.”

James Mehl. PhD student

Forestry and Agricultural Biotechnology Institute (FABI)





# Implementation strategy 10: Supply useful tools

Accredited Open Access Journal List  
<http://www.library.up.ac.za/aoajsa.htm>

AOAJSA is a work in

A - B - C - D - E - F - G - H - I - J - K - L - M - N - O - P - Q - R - S - T - U - V - W - Y - Z

Title	ISSN	Publisher	Subject	Start	Publication Fee
Acta Biologica Cracoviensia Series Botanica <small>Open Access</small>	0001-5296	Polish Academy of Sciences Publishing	plant anatomy botany morphology cytology genetics tissue culture biosystematics embryology physiology	2005	\$20.00
Acta Chimica Slovenica	1318-0207 1580-3155	Slovenian Chemical Society	chemistry	1998	??
Acta Chromatographica	1233-2356	University of Silesia	chemistry, chromatography	1996	??
Acta Cirurgia Brasileira	0102-8650 1678-2674	Sociedade Brasileira para o Desenvolvimento da Pesquisa em Cirurgia	health sciences	1997	FREE
Acta Clinica Croatica	0353-9466 1333-9451	Seštre milosrdnice University Hospital, Institute for Clinical Medical Research, Zagreb	biomedicine, medical practice	2000	??
Acta Crystallographica Section E	1600-5368	The International Union of Crystallography	inorganic, metal-organic, organic crystal structure, determinations	2008	\$ 150
Acta Endocrinologica (Bucharest)	1841-0987	Editura Academiei Romane	endocrinology, reproductive medicine, chronobiology, human ethology, euroendocrinology	2005	??
Acta Geographica Slovenica	1581-6613 1581-8314	Geografski institut Antona Melika ZRC SAZU	geography	1995	FREE
Acta Geologica Polonica	0001-5709 1509-5770	Polish Academy of Sciences	stratigraphy, palaeontology, sedimentology, regional geology, petrology	2002	??
Acta Ichthyologica et Piscatoria	0137-1592 1734-1515	Akademi Rolniczej w Szczecinie	ichthyology, fisheries, fish diseases, parasitology, aquaculture nutrition, seafood science	1970	FREE
Acta Literaria	0716-0909 0717-6848	Universidad de Concepcion	human sciences	2000	FREE
Acta Medica Okayama	0386-300X	Okayama University Medical School	medicine, medical science	1999	??
Acta Montanistica Slovaca	1335-1788	Technical University of Kosice	earth resources, extraction, earth resources, processing, process control, minerals	1996	??




# Implementation strategy 11: Departmental advocacy



## Open Access Week competition

**OA Competition**



Library Notice

Winners will be announced on the 21st of October 2010, during the **Open Access** event on the Hatfield campus.  
Closing date for this competition is 20 October 2010

**PRIZES : 4GB @mire USB flash drive**  
(Sponsored by @mire)

**Pledge your support to Open Access and WIN!**  
Is Open Access to research information important to you?  
Tell us why in a sentence or two and add a photograph of yourself.

Name:

Surname:

Email:


Please indicate your affiliation with the University of Pretoria:

- Undergraduate Student
- Postgraduate Student
- Library Staff Member
- UP Staff Member / Researcher
- Other

## Regular campus news reminders

UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

English | Afrikaans | Campus News



**Campus News Articles**

**Have you published research articles in 2010?**

By Ehabé Oliver  
Posted on 11 November 2010

Support the Open Access mandate which was accepted last year and forward the postprint version of your research articles to [openup@up.ac.za](mailto:openup@up.ac.za).

**What is a postprint?** The postprint is the author's final, corrected but unformatted version after peer-review. That in terms of content will be similar to the published article, but in terms of appearance will not be the same as the published article. Most international publishers such as Elsevier, Springer, Taylor & Francis and Oxford University Press often reserve for themselves their own arrangement of typesetting, branding and formatting.

**What are the most important benefits for you?**

- More readers for your articles at an early stage and hence more citations.
- an updated list of all your research articles while you are employed at the university - even after your retirement;
- the University's annual **Research Report** is complemented with the full text of the research articles;
- mechanisms exist for the long-term preservation of UP research publications.

Do you need to know more? Please contact [openup@up.ac.za](mailto:openup@up.ac.za).

[Send us your comments](#) [Back to the newsletters](#)

Print Page | Copyright © University of Pretoria 2007

# Implementation strategy 12: Provide guidelines

openUP

## Quick guide to submitting your research articles to UPSpace

### Welcome to openUP!

openUP is the official collection of UP research articles in open access mode on UPSpace (<http://repository.up.ac.za/upspace/>). The university is committed to provide open access to our scholarly outputs. A policy of submission of research articles by all staff and students has been adopted in May 2009. We would like to help you with this: self-submission is an easy process if you follow the simple guidelines stipulated below.

### What about copyright?

Authorship rights play an important role in the submission process. The Open Scholarship Office will take responsibility for adhering to publishers' regulations at all times. This may entail that your item will stay in the workflow due to the lack of an archiving policy in which case the Open Scholarship Office will negotiate the access rights on your behalf. You may also consult the SHERPA/RoMEO web site <http://www.sherpa.ac.uk/romeo/> which provides useful information on publisher copyright and self-archiving policies.

### Contact Us

Open Scholarship Office: [openup@up.ac.za](mailto:openup@up.ac.za) or +27 12 420 3719.  
<http://www.library.up.ac.za/openup/index.htm>

### Step 1: Register on UPSpace (only to be done once)

1. Log on to the UPSpace home page at <http://repository.up.ac.za/upspace/>
2. Sign on to My UPSpace and type in your Username (UP personnel number with p) and your UP Portal password. Click on **Login**.
3. Please note that you will have to be registered as a Submitter for your department. Please contact us or send an e-mail to the Collection Administrator of that department for assistance.



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

[www.library.up.ac.za](http://www.library.up.ac.za)

### Step 2: Start a New Submission

1. Follow the screens, check the boxes that apply and describe your article according to the following guidelines. **Please complete the compulsory fields (in red) and the rest to the best of your ability.**
2. Check the box: The item has been published or publicly distributed before, and click on **Next**.
3. **Title:** Copy and paste the main title without a full stop at the end, e.g. Intellectuals under fire
4. **Author/s:** Copy and paste your surname and names and the name/s of the co-author/s of the article, e.g. Gupta, Rangan
5. **Publisher:** Enter the name of the publisher, e.g. Elsevier
6. **Date of Issue:** Enter the month of formal publication if known and the year, e.g. November 2009
7. **Citation:** Enter the standard citation by using the Harvard method, e.g. Snyman, JR & Wessels, F 2009, 'Perindopril : do randomised, controlled trials support an ACE inhibitor class effect?', Cardiovascular Journal of Africa, vol. 20, no. 2, pp. 127-134. [<http://www.cvja.co.za>]
8. **ISSN:** Add the ISSN number of the journal, e.g. 0041-4751
9. **DOI:** Click on the **Add More** button and choose DOI from the dropdown list and add it, e.g. 10.4102/hts.v65i1.135
10. **Type:** Choose either Post-print for the final, edited and corrected manuscript or Article for the publisher-generated PDF version.
11. **Language:** Select the language of the main content of the item and click on **Next** to move to the next screen.
12. **Keywords:** Add the keywords with capital letters which you assigned to the article, e.g. Educational leadership.
13. **Abstract:** Copy and paste the Abstract.
14. **Sponsors:** Add any relevant sponsor information, e.g. South African Water Research Commission
15. **Rights:** Add the copyright holder's details, e.g. Springer
16. **Inquiries:** Add your e-mail address, e.g. [john.smith@up.ac.za](mailto:john.smith@up.ac.za) and click on **Next** to move to the next screen.
17. Upload your article by clicking on **Browse** to locate your file. **Take special care with the file name as this is the only field that cannot be corrected afterwards.** It is compiled of the first author's surname and first word of the title, and the date in the following format: VanZyl\_Party(2009) Click on **Next** to move to the next screen.
18. **Verify the submission:** After you have submitted your article, you will have a final opportunity to verify the submission and correct mistakes.
19. Grant the license by clicking on the button.
20. Email notification will be received once your article has been approved.

[www.library.up.ac.za](http://www.library.up.ac.za)



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA  
Dinokeng • Leseding-Motse • Dingopaka (for Dikabel)

# Implementation strategy 13 : Communication & assistance



From: Charles Maena  
To: [openup@up.ac.za](mailto:openup@up.ac.za)  
Subject: Any clash of copyright

Will openup not contravene the copyright signed with article publishing journal?  
Charles

From: "Dygon, Allan" <ADygon@Barnesaero.com>  
To: [upetd@up.ac.za](mailto:upetd@up.ac.za)  
Subject: Copy of ETD 11112008-094325  
Attachments: Mime.822 (9 KB) [\[View\]](#) [\[Save As\]](#)

Hello,

I would very much like to read the thesis by Warren Martin Andre Miglietti. Is it possible to receive a pdf copy via email?

Thank-you

Allan S. Dygon  
Director - Engineering and Quality  
Barnes Aerospace Aftermarket  
Windsor Airmotive Divisions

# Implementation strategy 14: Journal archiving database

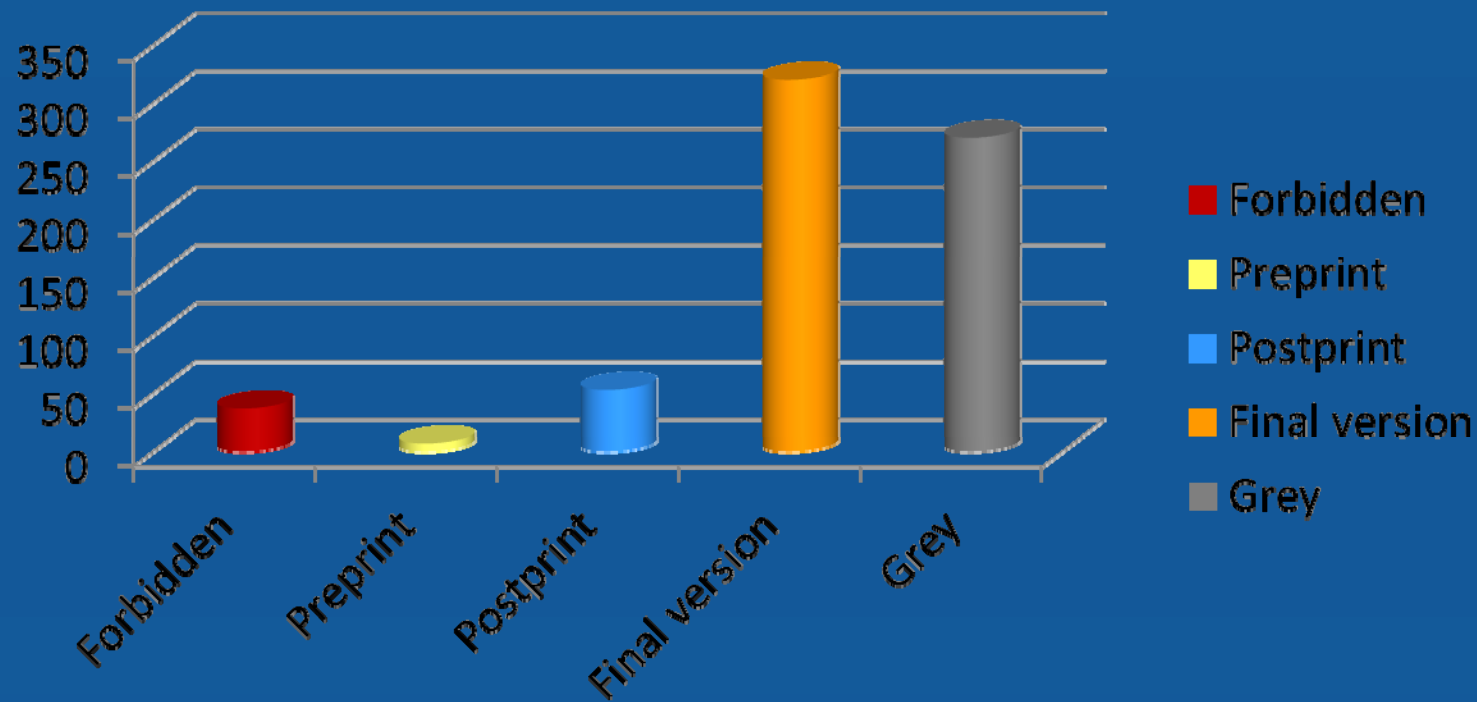
	A	B	C	D	E	F	G	H	I	J	K
11	Publishers guidelines										
12	Title	Negotiator	Date	Publisher/Rights	URL	ISSN	SaE	Full permission	Version	Format	Where
13											
14	Accountancy Business and the Public Interest	Elsabé Olivier	29/4/2008	Association for Accountancy & Business Affairs	<a href="http://visar.csustan.edu/aaba/aabajournalpage.html">http://visar.csustan.edu/aaba/aabajournalpage.html</a>	1745-7718	No	Yes	Final publisher version	PDF	UPSPa
15	Accountancy SA	Elsabé Olivier	11/5/2007 10/04/2008	South African Institute of Chartered Accountants	<a href="http://www.accountancysa.org.za/">http://www.accountancysa.org.za/</a>	0258-7254	No	Yes	Final published version	PDF	UPSPa
16	Across Languages And Cultures	2009									
17	Acta Academica	Elsabé Olivier	12/6/2007	SUNMeDIA / © UV/UFS	<a href="http://www.ufs.ac.za/ActaAcademica">http://www.ufs.ac.za/ActaAcademica</a>	0587-2405	Yes	Yes	Final published version	PDF	UPSPa
18	Acta Classica	Elsabé Olivier	29/4/2008	Classical Association of South Africa	<a href="http://www.casa-kvsa.org.za">www.casa-kvsa.org.za</a>	0065-1141	Yes	Yes	Final publisher version	PDF	UPSPa
19	Acta Commercii	Elsabé Olivier	1/11/2007	University of Johannesburg, Department of Business Management	<a href="http://www.journals.co.za/ej/ejournal.acom.html">http://www.journals.co.za/ej/ejournal.acom.html</a>	1684-1999	Yes	Yes	Final published version	PDF	UPSPa
20	Acta Criminologica: South African Journal of Criminology	Elsabé Olivier	5/6/2007	CRIMSA	<a href="http://www.crimsa.ac.za/">http://www.crimsa.ac.za/</a>	1012-8093	Yes	Yes	Final published version	PDF	UPSPa
21	Acta Cytologica	Elsabé Olivier	8/11/2010	The International Academy of Cytology	<a href="http://www.acta-cytol.com/">http://www.acta-cytol.com/</a>	0001-5547	No - print				
22	Acta Germanica	Elsabé Olivier	18/11/2009 Approach me again next year	Southern African Association of German Studies	<a href="http://www.sagv.org.za/publ_acta.htm">http://www.sagv.org.za/publ_acta.htm</a>	0065-1273	Yes	No - only abstracts			
23	Acta Juridica	Elsabé Olivier	19/6/2007	Juta Law	<a href="http://www.journals.co.za/ej/ejournal.jur.html">http://www.journals.co.za/ej/ejournal.jur.html</a>	07021-73142	Yes	No - 6 months embargo	Final published version	PDF	UPSPa
				Department of Ancient					Final		



# Archiving rights for UP : our success story (662)



Totals



# BUT, the road is paved with good intentions....

- Self-archiving uptake by authors is low
- Resistance
- Ignorance
- Copyright
- Other problems
  - Resources
  - IT expertise
  - The elusive post-print....." I will look for it" or "Sadly I no longer have that version" or "Unfortunately I did not keep the final version"



# What is a post-print?

## Post-print version

The role of the queen mandibular gland pheromone in honeybees (*Apis mellifera*): honest signal or suppressive agent?

Katrin Straus<sup>1</sup>, Holger Scharpenberg<sup>1</sup>, Robin M. Crewe<sup>2</sup>, Felix Glahn<sup>3</sup>, Heidi Foth<sup>3</sup> and Robin F. A. Moritz<sup>1,2</sup>

- (1) Institut für Biologie, Martin-Luther-Universität Halle-Wittenberg, Hoher Weg 4, 06099 Halle (Saale), Germany
- (2) Department of Zoology and Entomology, University of Pretoria, Pretoria, South Africa
- (3) Institut für Umwelttoxikologie, Martin-Luther-Universität Halle-Wittenberg, 06112 Halle (Saale), Germany

Robin F. A. Moritz  
Email: r.moritz@zoologie.uni-halle.de

### Abstract

Queen pheromones interfere with worker reproduction in social insects. However, there is still an unresolved question as to whether this pheromone acts as an "honest" signal for workers, giving a reliable indication of the queen's reproductive value, or as a suppressive agent, inhibiting worker reproduction independent of the queen's reproductive capacity. In honeybees (*Apis mellifera*), the queen's mandibular gland secretion, a mix of fatty acids and some aromatic compounds, is crucial for regulating the reproductive division of labor in the colony inhibiting ovary development in workers. We quantified the mandibular gland secretions of virgin, drone-laying, and naturally mated queens using gas chromatography to test whether the queens' mating, ovary activation, or the reproductive value for workers correlated with the composition of the secretion. Although the absolute amounts of the "queen substance" 9-oxo-2(E)-decanoic acid (9-ODA) were similar among the three groups, the proportions of 9-ODA decreased with increasing reproductive quality. Furthermore, the ratios of queen to worker compounds were similar in all three treatment groups, irrespective of the reproductive capacity. A multivariate analysis including all six compounds could not separate drone-laying queens from naturally mated ones, both with active ovaries but only the latter ensuring colony survival. We suggest that the mandibular gland pheromones are unlikely to function as reliable indicators of queen reproductive value and rather operate as an agent to suppress worker reproduction. This does not exclude the possibility that other "honest" pheromone signals exist in the honeybee colony, but these would have to arise from other semiochemicals, which could be produced by both the queen and the brood.

Behav Ecol Sociobiol (2008) 62:1523–1531  
DOI 10.1007/s00265-008-0581-9  
ORIGINAL PAPER

## Publisher's version

The role of the queen mandibular gland pheromone in honeybees (*Apis mellifera*): honest signal or suppressive agent?

Katrin Straus · Holger Scharpenberg · Robin M. Crewe · Felix Glahn · Heidi Foth · Robin F. A. Moritz

Received: 13 December 2007 / Revised: 28 February 2008 / Accepted: 9 March 2008 / Published online: 2 April 2008  
© Springer-Verlag 2008

**Abstract** Queen pheromones interfere with worker reproduction in social insects. However, there is still an unresolved question as to whether this pheromone acts as an "honest" signal for workers, giving a reliable indication of the queen's reproductive value, or as a suppressive agent, inhibiting worker reproduction independent of the queen's reproductive capacity. In honeybees (*Apis mellifera*), the queen's mandibular gland secretion, a mix of fatty acids and some aromatic compounds, is crucial for regulating the reproductive division of labor in the colony inhibiting ovary development in workers. We quantified the mandibular gland secretions of virgin, drone-laying, and naturally mated queens using gas chromatography to test whether the queens' mating, ovary activation, or the reproductive value for workers correlated with the composition of the secretion. Although the absolute amounts of the "queen substance" 9-oxo-2(E)-decanoic acid (9-ODA) were similar among the three groups, the proportions of 9-ODA decreased with increasing reproductive quality. Furthermore, the ratios of queen to worker compounds were

similar in all three treatment groups, irrespective of the reproductive capacity. A multivariate analysis including all six compounds could not separate drone-laying queens from naturally mated ones, both with active ovaries but only the latter ensuring colony survival. We suggest that the mandibular gland pheromones are unlikely to function as reliable indicators of queen reproductive value and rather operate as an agent to suppress worker reproduction. This does not exclude the possibility that other "honest" pheromone signals exist in the honeybee colony, but these would have to arise from other semiochemicals, which could be produced by both the queen and the brood.

**Keywords** Honeybee · Queen-worker conflict · Pheromone · Fecundity · Dominance

### Introduction

The sophisticated colony organization of eusocial Hymenoptera arises from the pronounced reproductive division of labor among its female members. Reproduction is typically monopolized by one or several queens and workers have undeveloped ovaries. As workers do not reproduce, they have no direct fitness but they do gain indirect fitness by rearing sisters and brothers as sexual reproductives (Hamilton 1964). Nevertheless, there is an ongoing conflict over male production as some workers still have the potential to reproduce by laying unfertilized eggs after removal of the reproductively dominant females (Bourke 1988; Page and Erickson 1988). As a consequence, reproductive division of labor is not irreversible and depends on a variety of environmental and social factors. The regulation of reproduction can be mediated through

Communicated by J. Heinze

K. Straus · H. Scharpenberg · R. F. A. Moritz  
Institut für Biologie, Martin-Luther-Universität Halle-Wittenberg,  
Hoher Weg 4,  
06099 Halle (Saale), Germany

R. M. Crewe · R. F. A. Moritz (✉)  
Department of Zoology and Entomology, University of Pretoria,  
Pretoria, South Africa  
e-mail: r.moritz@zoologie.uni-halle.de

F. Glahn · H. Foth  
Institut für Umwelttoxikologie,  
Martin-Luther-Universität Halle-Wittenberg,  
06112 Halle (Saale), Germany

Springer



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA  
Dinokeng • Learning Works • Disagapala ka Dikholo



# UPeTD feedback

"Thank you very much for all of your trouble and a fast turn around time as well! Your keyword selection is perfect." Graham Marshall, Global FIA

"I really appreciate your prompt reply. This thesis will be very helpful to me, and it is nice to see that you also suggest how to cite it." Anangelina Archile Contreras, University of Guelph, Canada

"Hartelijk dank voor de digitale versie van de thesis! We hebben het goed ontvangen! Vriendelijke groeten uit België." Stefan Derouck IBL Universiteitsbiblioteek, K U Leuven.

"Thanks a lot - you did the thesis in 1- 2 days. It's really amazing, I thank you personally." Dr Chanda Mudassa, India, Project Directorate on Animal Disease Monitoring and Surveillance, Bangalore.



# openUP feedback

"I think that it is very good news that the University of Pretoria is taking a lead in making more freely accessible the published work of its scholars. It has always bothered me that research that is largely paid for by public funds is made accessible to the wide body of the research public only through expensive journal subscriptions. We need to move more rapidly toward open publishing, and the Open Scholarship Programme of the Library is an important first step to change our views on the way in which our research is disseminated. This programme makes it possible for us to know about the research work produced by our colleagues at the University of Pretoria, and it should be encouraged to grow."

Prof. Nithaya Chetty  
Department of Physics



# I have a dream...for the future

- UPeTD will be incorporated with UPSpace
- National archiving database / assistance to SHERPA-RoMEO?
- Electronic system which can list & track UP authored articles
- Direct collection of articles from publishers
- Automatic deposits by using the SWORD protocol
- Join Compact for Open-Access Equity : publishing
- Funding for UP authors to publish in Open Access Journals
- Automatic integration with the Research Information Reporting System
- More training and advocacy to our researchers



# Conclusion

- Implementation is a tough job!
- Armbruster : implementation takes 3 – 4 years
- A policy needs
  - Resources
  - Authority



# References

1. Armbruster, C 2010 'Implementing Open Access : policy case studies' (Working paper)



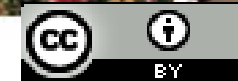
# University of Pretoria

Thank you!  
Questions?

Elsabé Olivier  
elsabe.olivier@up.ac.za



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA  
Denklesers • Leading Minds • Diligopolo ka DINHLE



The presentation is licensed with Creative Commons Attribution 3.0 License

[www.up.ac.za](http://www.up.ac.za)