

## Information services and products for Phytomedicine and Ethno-veterinary medicine: supporting new research niche areas in Africa

















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### The History of Medicine (Anon)

2000 B.C. Here, eat this root.

1000 A.D. That root is heathen. Here, say this prayer.

1850 A.D. That prayer is superstition. Here, drink this potion

1940 A.D. That potion is snake oil. Here, swallow this pill.

1985 A.D. That pill is ineffective. Here take this antibiotic.

2000 A.D. That antibiotic is artificial. Here, eat this root.





## Introduction







## Overview

- 1. The Phytomedicine Programme of the University of Pretoria
- 2. Information Support
  - Webpage (Phytomedicine in Africa)
  - Groundbreaking articles
  - Published research output
  - E- Resources
  - Digitised Slide Collection
  - Publishing Proceedings
- 3. Library Collection development
  - Information resources on OCLC Worldcat
  - Evaluating the monograph collection
  - Journals
  - Interpretation of the benchmarking results





. Conclusion



### What is Phytomedicine?

- ... the use of plants, parts of plants, and isolated phytochemicals for the prevention and treatment of various health concerns...
- "Ethnoveterinary medicine is important in areas of developing countries that lack access to conventional medicines for animal health care, which are often unaffordable to poor rural farmers."

"...the market in traditional medicines is expanding, and traditional practices are increasingly becoming mainstream",

(McGaw et al. 2007: 366).





## The Phytomedicine Programme of the University of Pretoria

- Multidisciplinary
- Collaborative research
- Expertise
- Capacity and facilities
- Focus





## **Information Support**



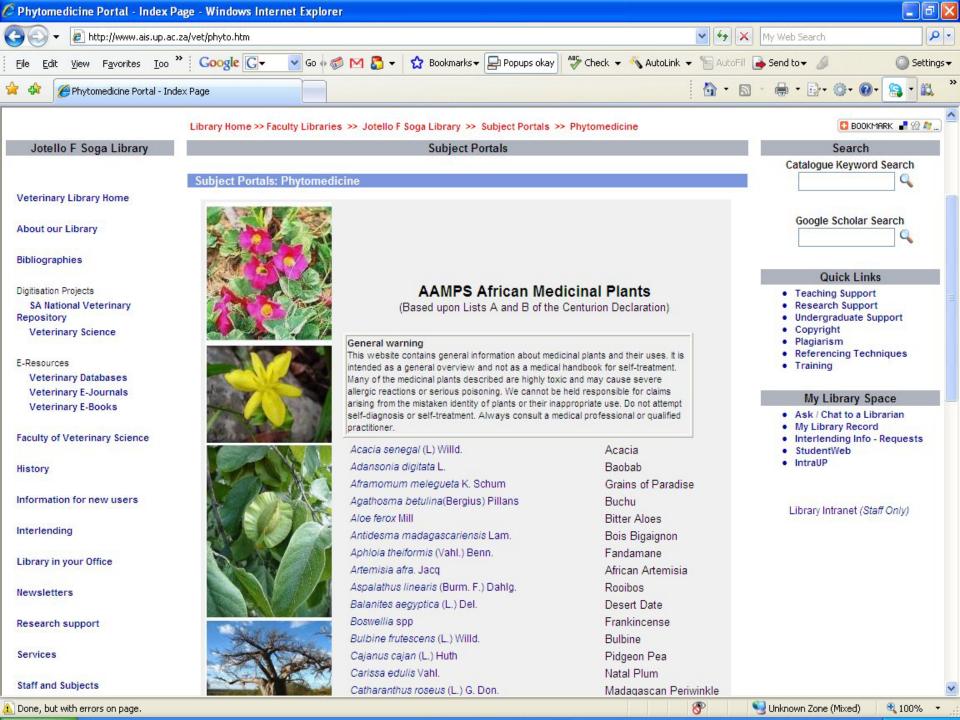




# Webpage (Phytomedicine in Africa)

- description
- parts used
- medicinal uses
- preparation and dosage
- active ingredients
- pharmacological effects
- distribution of the plant
- bibliography





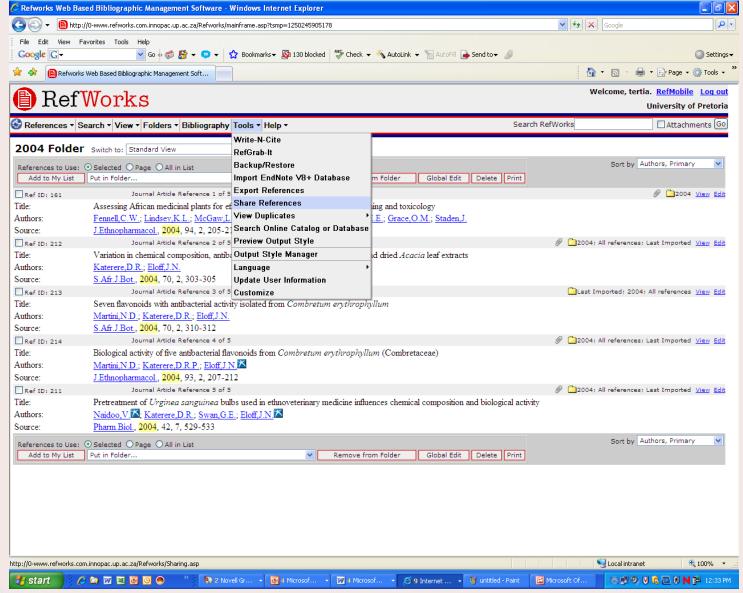




- RefWorks
- RefShare



Database of groundbreaking articles





## Publication of research output

- UPSpaceInstitutional repository
- OpenUP

Open access faculty publications

UPeTD

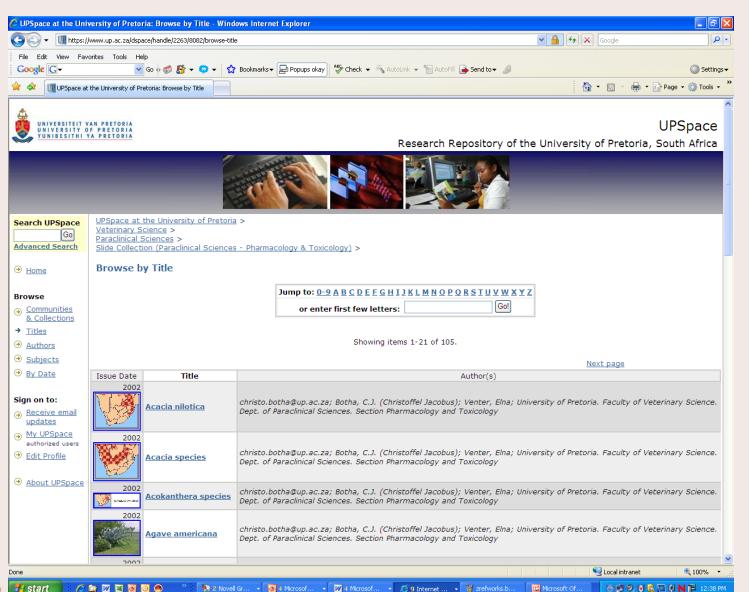
Electronic theses collection







### Example of a part of the UPSpace collection

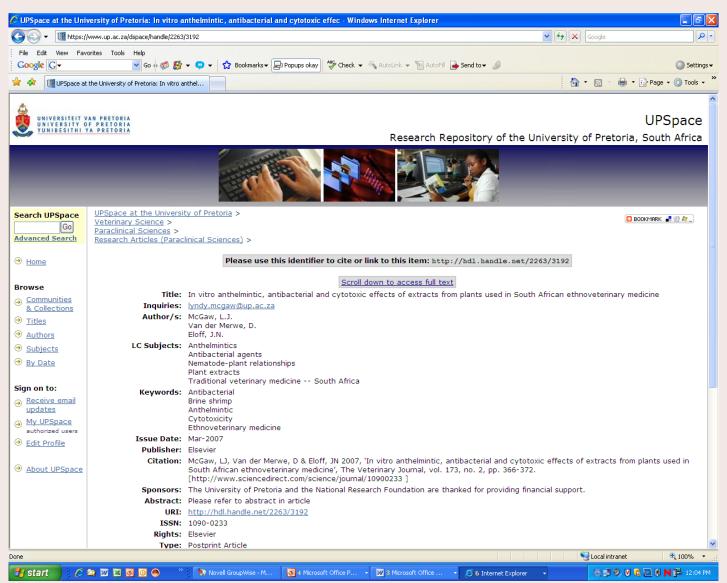




University of Pretoria Start Country of Veterinary Sciences



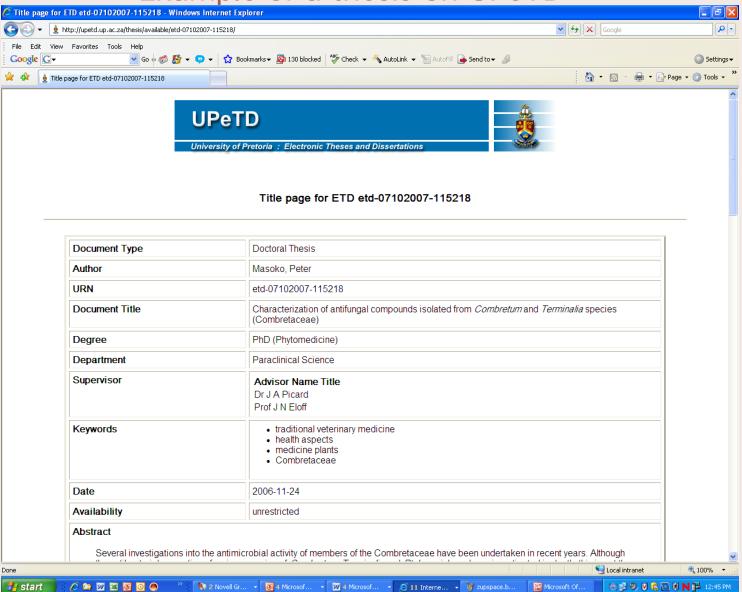
#### Example of an OpenUP article







Example of a thesis on UPeTD





## Information Sources Collection development







# Information resources on OCLC Worldcat

- "medicinal plants" or"Materia medica, Vegetable"
- "traditional medicine"



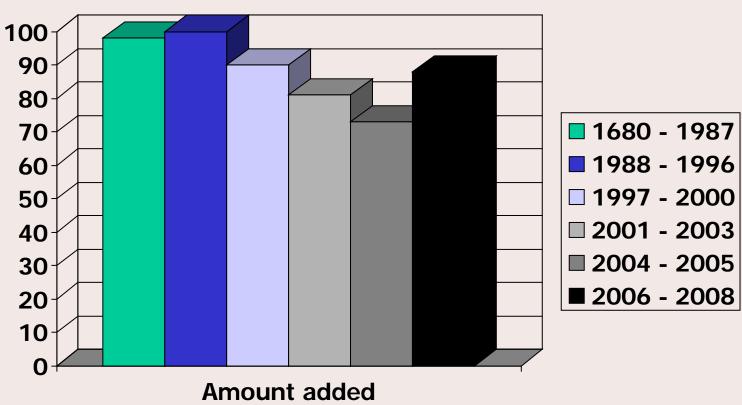


# Information resources on OCLC Worldcat 2007 - Mar 2009

Format	2007	2008	2009 (Jan - Mar)
Books	274	162	35
Textual Serials	1	1	0
Visual Materials	7	3	0
Electronic resources	2	1	4



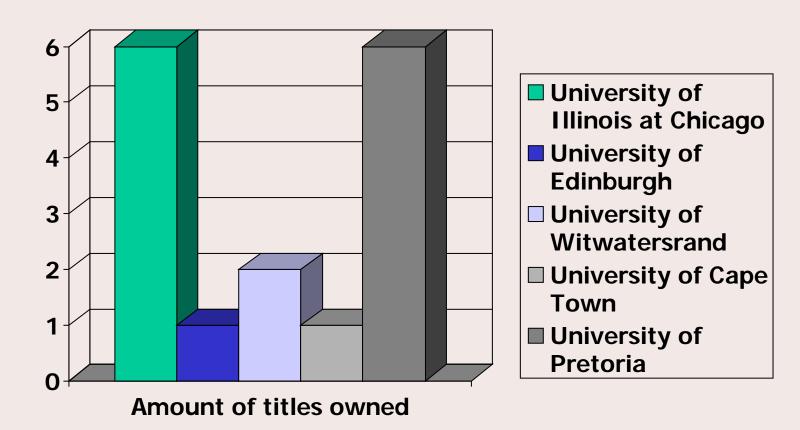
# Theses / dissertations on "*Medicinal Plants*" added on OCLC WorldCat







### Evaluating the monograph collection







#### **Journals**

#### JCR Science edition 2007 citation rates data

Journal title	Impact factor	Immediacy Index	Cited half-life	Eigenfactor Score
Journal of Ethopharmacology	2.049	0.251	6.1	0.01809
SA Journal of Botany	0.444	0.224	7.5	0.00156
SA Journal of Science	0.670	0.074	9.0	0.00392





#### Conclusion

- Need to develop information resource
- Interlending
- Motivation for further collection development



"The integrity of data and the transparency about their acquisition are vital to science."

Rossner et al (2007: 1091)



Academic libraries "... are not publishers, but they do preserve the functions and purposes of publishers. They are not consumers of information, but they do sustain a culture of deliberative information consumption...they are not the research and teaching embraced by the academy, but without their bibliographic traditions, scholarly discovery, learning, and teaching would be isolated, episodic, and limited to the hash economy of the subject or topic attracting the greatest money or the best students. Ultimately, the purpose of any library is to preserve a global intellectual connective tissue that usefully binds the subjects of all books, articles, reports and myriad other published and unpublished sources of knowledge."

Shuler (2007: 713)



## Thank you





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