FOREWORD

The 2004 Research Report provides a comprehensive record of the University's research outputs. In addition to this overall survey of research at the institution, perspectives are provided on the performance of individual faculties and departments. Further statistical perspectives on research output and the nature of research activities are presented in other publications of the Division of Research Development, i.e. Research @ Stellenbosch; and Perspectives of Stellenbosch University.

As in the past, a variety of persons and organizations contributed to the University's research programme. Stellenbosch University wishes to express particular recognition to the statutory research councils and commissions, government departments, private enterprises, foundations and individuals for their continued support of our research.

As far as research funding is concerned, researchers at South African universities are increasingly dependent upon new sources for research funding. This includes national and international opportunities alike. Stellenbosch University therefore attaches great value to regional cooperation and substantive scientific agreements with other universities local and abroad, and to bilateral research and development agreements between South Africa and other countries.

Apart from the active support of research by the University's management, a variety of internal support services provide assistance to researchers. These include the library and information services, capacity building workshops, information technology, infrastructure, the maintenance of laboratories and equipment, central analytical services, and support from the administrative and financial divisions, without which it would be impossible to conduct research of this calibre.

We acknowledge with appreciation the dedication and excellent contributions made by Stellenbosch University staff members to the institution's research output. Thanks are due to the staff of the academic departments for the input of data into the system, and to the personnel of the Division of Research Development involved in preparation of the Report. Special recognition is due to Daléne Pieterse, Lindie le Roux and personnel of SunMedia for the compilation and lay-out of the Report.

Prof Piet Steyn
Acting Senior Director: Research
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2. KARAAN ASM. Western Cape microeconomic strategy project: Agricultural, fishing and aquaculture sector studies. 2004: 120 pp.

Master’s completed

AGRONOMY

Journal articles


**Doctoral completed**


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FOOD SCIENCE

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3. SLABBERT R. *Molecular analysis of genetic variation and relationships within the population of abalone (Haliotis midae) at the sea plant products abalone hatchery*. MSc, 2004. 210 pp. Supervisor/co-supervisor: Mr ME D'Amato/Mr D Brink.

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2. BARRY GH, CASTLE WS. Rootstocks and plant water relations affect sugar accumulation of ‘Valencia’ sweet orange *via* osmotic adjustment. *Acta Horticulturae* 2004; **632**: 159-165.


20. YESHITELA T, ROBBERTSE PJ, STASSEN PJC. Effects of various inductive periods and chemicals on flowering and vegetative growth of 'Tommy Atkins' and 'Keitt' mango (*Mangifera indica*). *New Zealand Journal of Crop and Horticultural Science* 2004; 32: 281-293.

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NATURE CONSERVATION

Journal articles


**Books**

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**PLANT PATHOLOGY**

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15. WOOD A, CROUS PW, LENNOX CL. Predicting the distribution of *Endophyllum osteospermi* (*Uredinales, Pucciniaceae*) in Australia based on its climatic requirements and distribution in South Africa. *Australasian Plant Pathology* 2004; 33: 549-558.

**Proceedings international**


**Books**


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**Doctoral completed**


**Master’s completed**


SOIL SCIENCE

Journal articles

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Chapters in books

Master’s completed
1. DOWDING C. Morphology, mineralogy and surface chemistry of manganiferous oxisols near Graskop, Mpumalanga Province, South Africa. MScAgric, 2004. 124 pp. Supervisor/co-supervisor: Prof MV Fey/Dr F Ellis.
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Books

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Master’s completed
ANCIENT STUDIES

Journal articles

Proceedings international

Chapters in books

Doctoral completed

Drama
Journal articles

Chapters in books

Creative works
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**Master’s completed**


**ENGLISH**

**Journal articles**


**Chapters in books**


FINE ARTS

Journal articles

Books

Chapters in books


Creative works

2. BRUNDRIT J. Group exhibition. 40 years Artists and Designers from the University of Stellenbosch. SASOL Art Museum, Stellenbosch, South Africa, 2004.


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Master’s completed

GENERAL LINGUISTICS

Journal articles
Proceedings international

Chapters in books

GEOGRAPHY AND ENVIRONMENTAL STUDIES

Journal articles

Books

Chapters in books

Doctoral completed

Master’s completed
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Chapters in books

Creative works

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Master’s completed

INFORMATION SCIENCE

Journal articles

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16. VAN BILJON SS. The real-time enterprise: Adding value to information. MPhil, 2004. 76 pp. Supervisor: Dr MS van der Walt.
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**Books**


**Chapters in books**


**Creative works**


**MODERN FOREIGN LANGUAGES**

**Journal articles**

Books

Chapters in books

Master’s completed

Journal articles

Creative works

MUSIC
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**Master’s completed**


**PHILOSOPHY**

**Journal articles**


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**Chapters in books**


**Research reports**


**Doctoral completed**


**Master’s completed**


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**Journal articles**


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1. NEL PR. Transnational hegemony, democratisation, and redistribution in low and middle-income countries. First Oceania International Studies Conference. ANU, Canberra, Australia, 2004.

Books

Chapters in books


Research reports


Doctoral completed

Master’s completed


PSYCHOLOGY

Journal articles

Books
Chapters in books

Doctoral completed

Master’s completed

SOCIAL WORK

Journal articles

Master’s completed
5. LUKELELO N. The psychosocial stress experienced by social workers dealing with children in hospitals. MA (SW), 2004. 89 pp. Supervisor: Dr SP Kruger.
7. POLMAN M. Riglyne vir prestasiebeoordeling vir bedryfmaatskaplike werkers by plaaslike overhede. MA (SW), 2004. 103 pp. Supervisor: Prof S Green.

**SOCILOGY**

**Journal articles**

**Books**

**Chapters in books**

**Research reports**


**Doctoral completed**


**Master’s completed**


6. CUPIDO MA. An analysis of the implementation of a diversion programme for juvenile offenders. MPhil, 2004. 97 pp. Supervisor/co-supervisor: Prof AS Kritzinger/Mr WF van Aswegen.


CENTRE FOR KNOWLEDGE DYNAMICS AND DECISION-MAKING

Journal articles

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Research reports

RESEARCH UNIT FOR EXPERIMENTAL PHONOLOGY

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INDUSTRIAL PSYCHOLOGY

Journal articles


Proceedings international

Master’s completed


LOGISTICS

Journal articles


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2. MÜLLER JJ, UYS FM. "Amanzi Ayimpilo" (Water is Life!): Regulatory governance in the water sector, CRC working paper no 77. CRC International Conference on Challenges to Development: Innovation and Change in Regulation and Competition. Manilla, Philippines, 2004: 1-35.

Proceedings national

Books

Chapters in books

Doctoral completed

STATISTICS AND ACTUARIAL SCIENCE

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PROCEEDINGS NATIONAL


ANATOMY AND HISTOLOGY

Journal articles


Proceedings international


Doctoral completed

ANESTHESIOLOGY AND CRITICAL CARE

Journal articles

Master’s completed

CARDIOTHORACIC SURGERY

Journal articles

Proceedings national

Master’s completed

CHEMICAL PATHOLOGY

Journal articles
Journal articles

COMMUNITY HEALTH

Journal articles

DENTISTRY

Journal articles

DERMATOLOGY

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Journal articles

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**Master’s completed**

MERCANTILE LAW

Journal articles

Books

Chapters in books
PRIVATE LAW AND ROMAN LAW

Journal articles

Proceedings international

Books

Chapters in books

**Doctoral completed**

**Master’s completed**

**PUBLIC LAW**

**Journal articles**


**Books**


**Chapters in books**


Master’s completed
   Supervisor: Mr GP Kemp.
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Journal articles

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**Journal articles**

Proceedings international

OLD AND NEW TESTAMENT

Journal articles

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Chapters in books


Doctoral completed


PRACTICAL THEOLOGY AND MISSIOLOGY

Journal articles


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Chapters in books


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Journal articles


Chapters in books

GENERAL

ACADEMIC SUPPORT

Journal articles

CENTRE FOR TEACHING AND LEARNING

Journal articles

Proceedings international

MARKETING AND COMMUNICATION

Journal articles

TRACKING SYSTEM

Proceedings international