

NRF RESEARCHERS



NATIONAL RESEARCH

FOUNDATION (NRF) RATED RESEARCHERS

2014

RESEARCHERS



RESEARCHERS AT UJ

2013

- Social Science

--- Physics and Astronomy

- Engineering

--- Chemistry

AREAS

--- Material Science

2014

LITERATURE

OF JOURNAL ARTICLES WERE PUBLISHED IN THE INFORMATION SCIENCES INSTITUTE (ISI) AND INTERNATIONAL BIBLIOGRAPHY OF THE SOCIAL SCIENCES (IBSS) PUBLICATIONS

2013

INVESTMENT

By 2016, UJ will have invested R30 million in:

- --- Chemistry of **Functionalised Materials** for Medical and **Industrial Applications**
- --- Physics of Materials **Under Extreme** Conditions
- -- Telecommunications

South African Research **Chairs Initiative** (SARCHi)

SARCHI CHAIRS

- African Diplomacy and Foreign Policy FACULTY OF HUMANITIES
- Education and Care in Childhood FACULTY OF EDUCATION
- Geometallurgy FACULTY OF SCIENCE
- International Law
- Indigenous Plant Use FACULTY OF SCIENCE
- Nanotechnology for Water FACULTY OF SCIENCE
- * Social Change FACULTY OF HUMANITIES

Partnerships

UJ BUILDS ENDURING NATIONAL AND INTERNATIONAL PARTNERSHIPS WITH VARIOUS NATIONAL. PRIVATE AND PUBLIC INSTITUTIONS WITHIN THE AFRICAN CONTINENT AND THE REST OF THE GLOBE.

QS UNIVERSITY RANKINGS BRICS

2014/2015

AFRICAN CONTINENT

NATIONAL, PRIVATE AND PUBLIC INSTITUTIONAL **PARTNERSHIPS**

SOUTH AMERICA ASIA-PACIFIC EUROPE MIDDLE EAST NORTH AMERICA

OVER THE NEXT SIX YEARS, UJ IS INVESTING MORE THAN **R600M** TO ESTABLISH ONE CENTRE OF EXCELLENCE AND FIVE FLAGSHIP RESEARCH INSTITUTES.

CIMERA

The DST-NRF Centre of Excellence for Mineral and Energy Resource Analysis (CIMERA) embraces an integrated understanding of the nature of some of the major and minor mineral and fossil energy resources of South Africa and their geometallurgical characteristics to ensure sustainable extraction of resources while preventing and solving environmental impact.

NEW FLAGSHIP INSTITUTES

- THE INSTITUTE OF NANOTECHNOLOGY AND WATER
- THE INSTITUTE OF SUSTAINABILITY MANAGEMENT AND MEGACITIES
- THE INSTITUTE OF PAN-AFRICAN POLITICAL THOUGHT AND CONVERSATION
- THE INSTITUTE OF PROCESS AUTOMATION
- THE JOHANNESBURG INSTITUTE FOR ADVANCED STUDY

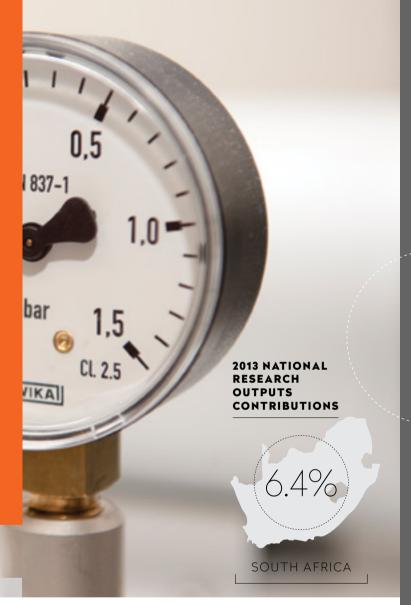
Performance

IN 2013. UJ RANKED AMONG THE TOP IN TERMS OF ACCREDITED RESEARCH NOBLE AMOUNT RESEARCHERS. RESEARCH IMPACT CITATIONS AND WORLDWIDE.

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GROWTH IN TOTAL DHET RESEARCH

UNITS AWARDED



Centres

SEVERAL OF

THE RESEARCH CENTRES ARE WITHIN

FACULTIES AND

OTHERS ARE

ENTITIES

STAND-ALONE

VISUAL IDENTITIES IN ART AND DESIGN (VIAD)

CENTRE FOR EDUCATION RIGHTS AND TRANSFORMATION (CERT)

CENTRE FOR EDUCATION PRACTICE RESEARCH (CEPR)

CENTRE FOR
TELECOMMUNICATIONS (CFT)

- DEVELOPMENT IN AFRICA (CSDA)
- CENTRE FOR ANTHROPOLOGICAL RESEARCH
- 14 CENTRE FOR SOCIOLOGICAL RESEARCH

- 15 LASER RESEARCH CENTRE (LRC)
- 16 WATER AND HEALTH RESEARCH CENTRE (WHRC)

INTERNATIONAL LAW (SAIFAC)

- INSTITUTE OF TRANSPORT AND 18 LOGISTICS STUDIES (AFRICA) (ITLS)
- CENTRE FOR INFORMATION AND KNOWLEDGE MANAGEMENT (CIKM)
- 20 CENTRE FOR WORK

- BARCODING (ACDB)
- RESEARCH CENTRE IN SYNTHESIS AND CATALYSIS (RCSC)
- PALEOPROTEROZOIC MINERALIZATION RESEARCH
- 24 SCIENCE IN RESEARCH (CNSR)

Researchers

NRF RATINGS





Key areas of expertise:

- + Physics · Biophysics
- ··· Vision metrology
- Optics
- Biostatistics
- Biometrics





Key areas of expertise:

- Information theory
- --- Digital Communications
- Powerline Communications
- --- Channel Coding - Sequence stratigraphy





- Sedimentary geochemistry

PROF NIC BEUKES

Key areas of expertise:

Economic geology

-- Sedimentology









PROF THADDEUS METZ

Key areas of expertise:

- Combinatorics
- Graph theory

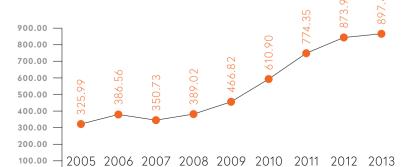


- Key areas of expertise:
- → Ethics
 - --- Respiration



Key areas of expertise:





FELLOWSHIPS



POSTDOCTORAL RESEARCH FELLOWSHIPS

2015

KEY FOCUS AREAS

- Management
- * Environmental Stewardship
- --- Partnerships
- Stakeholder Engagement
- Health and Safety in labs
- Human Capacity Development

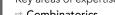
SUSTAINABILITY

- Financial Resources
 - - RESEARCH GROUP (COMPOSITES)
 - - SUSTAINABLE ENERGY TECHNOLOGY AND RESEARCH CENTRE (SETAR)

GROUP (PRG)



PROF MICHAEL HENNING



Political philosophy





