



National  
Research  
Foundation

# AWARDS 2023

*Celebrating*

**20 YEARS OF THE  
SKA PROJECT IN  
SOUTH AFRICA**



science & innovation

Department  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA



Durban, KZN



31 August 2023



[www.nrf.ac.za/about-us/nrf-awards/](http://www.nrf.ac.za/about-us/nrf-awards/)

## Message from the NRF CEO

Dr Fulufhelo Nelwamondo, PhD

The NRF Awards recognise the excellent contributions made by the shining stars of our country's scientific cohort – researchers and institutions committed to exploring the frontiers of our knowledge to create a better, more sustainable future for society. The NRF Awards also embody the NRF's overall mandate for the support and advancement of research and human capacity; our development of the country's National Research Facilities; the fostering of public awareness and engagement with science; and our commitment to the promotion of the national science system for national development.

2023 marks the 20th anniversary of the Square Kilometre Array (SKA) Project in South Africa, arguably one of the most important and ambitious scientific and engineering projects in Africa in recent history. Few outside of South Africa's astronomy community could have imagined that we could successfully bid for hosting the world's largest and most sensitive radio telescope array. Two decades later and we have 64 MeerKAT radio telescopes completed and the construction of the balance of the SKA well underway.

The MeerKAT, the precursor to the SKA, has already produced ground-breaking discoveries that have placed Africa on the global research map. Other benefits from the project include employment in the construction and astro-tourism sectors, and skills development in areas such as Data Science (inclusive of Big Data), Artificial Intelligence, and the relevant technologies. We have also implemented educational



programs for both the communities in and around the SKA site as well as for South Africa's burgeoning astronomy sector.

As the NRF, we believe that research universities play a key role in addressing societal inequalities, enabling inclusivity, and advancing social and economic development. As such, they should be resourced appropriately. Researchers need to partner with business and industry to advance innovation in order to drive financial investment in the sciences, resulting in patentable and marketable research outcomes. The NRF is embarking on a revitalised University Development Programme - an integrated initiative across all NRF funding instruments, and in close collaboration with system stakeholders, to fund and inform a whole-of-organisation approach to university strengthening.

Human capacity development must be a priority for African universities with a view to future sustainability. A multi-pronged approach, including excellent undergraduate education complemented by a strong postgraduate focus is necessary.

We salute all the recipients of this year's awards. Thank you for your commitment to excellence, innovation, impact and transformation.



## About the Awards

### Research Excellence Award for Next Generation Researchers

The NRF provides funding to postgraduate students in order to address the skills shortages in the fields of science, engineering, technology, humanities and social sciences by increasing the possibility of retaining suitably qualified young scientists, thereby increasing the pool of researchers and knowledge workers in the National System of Innovation.

This award recognises outstanding academic performance by final-year doctoral students.

### Research Excellence Award for Early Career/Emerging Researchers

The NRF aspires to develop and enhance the research stature of Early Career/Emerging Researchers, prioritising black, female and people with disabilities as part of its transformation agenda which, among others, aims to redress historical imbalances in the South African researcher cohort.

This award recognises outstanding research performance by current Early Career/Emerging Researchers in any discipline, who are NRF grant holders.

### Public Engagement with Research Award

The Public Engagement with Research Award recognises outstanding contributions to public engagement with

science and encourages academics to make their work, and science and technology in general, more accessible to the public.

### Champion of Research Capacity Development and Transformation at South African Higher Education Institutions

This category recognises individuals within the research community who contribute to the transformation, and thus diversity, of South Africa's science cohort through the research students they supervise.

### Hamilton Naki Award

Named after the self-taught surgeon who trained generations of medical students in surgical techniques, the Hamilton Naki Award honours individuals for achieving world-class research performance despite considerable challenges.

### NRF Excelleration Award for SA Research Institutions

Derived from the words "excellence" and "acceleration", the Excelleration Award acknowledges South African research institutions for achieving the most improved research performance over recent years as evaluated by independent parties, and measured against a selection of critical indicators.

### NRF CEO's Special Recognition Award

Presented to a South African research institution which has previously won the

NRF Excelleration Award for SA Research Institutions, this award recognises the institution's continued progress and commitment to excellence in research performance as measured against a selection of critical indicators.

### Science Team Award

In recognition of the contributions, creativity and achievements of a science team towards extending the boundaries of scientific research in Africa, producing science outcomes which have positively impacted society and for the role they played in raising South Africa's international stature as a world-class research destination.

### A-Rated Researchers

A-rated researchers are unequivocally recognised by their peers as leading international scholars in their respective fields, for the high quality and impact of recent research outputs. They play a significant role in developing the next generation of researchers.

Acquiring an NRF rating generates considerable acknowledgement and respect for the individual researchers as well as their institutions.

### NRF Significant Contribution Award

This award recognises an individual who has made significant contributions in enabling the growth and performance of the South African National System of Innovation.



### Lifetime Achievement Award

This accolade is awarded to individuals considered to have made extraordinary contributions, of international standard and impact, to the development of science in and for South Africa over an extended period of time, and for the manner in which their work has touched and shaped the lives and views of many South Africans.



## Guest Speaker



**Dr Kenda Knowles**

Dr Kenda Knowles is a Senior Research Fellow at Rhodes University. She works in the field of astrophysics, focusing on the physics of galaxy clusters, aiming to understand the constituent galaxies, plasma, and magnetic fields, the physical processes that affect them, and how these processes may evolve over cosmic time or with cluster properties. South African-born Dr Knowles obtained her PhD in observational astrophysics and cosmology from the University of KwaZulu-Natal and is very involved with radio astronomy in South Africa. A winner of a 2015 South African DSI Women in Science Awards Doctoral Fellowship and a prestigious 2017 L'Oreal-UNESCO For Women in Science Sub-Saharan Africa Postdoctoral Fellowship, she recently led the first data release of the MeerKAT Galaxy Cluster Legacy Survey, a rich dataset of 115 cluster targets, for the global community. She is also the Primary Investigator of the

MERGHERS survey, a tiered programme of cluster observations with MeerKAT aimed at probing the cosmic and mass evolution of diffuse cluster radio emission.

Dr Knowles is passionate about student training and the development of South African talent by using her research programmes and local and international networks. Her strong local research connections, as well as those with Italy, Germany, the USA, the UK, and her recent NRF/SNSF bilateral project with Switzerland, help to foster international mentorship of South African students, better preparing South Africans to contribute to and to lead international astronomy research.

She has grown through the ranks, having started as a student on a South African Radio Astronomy Observatory (NRF-SARAO) Human Capital Development programme. Since its inception in 2005, the programme has successfully grown an interactive, globally-recognised and transformed radio astronomy community in South Africa. This community participates and exploits the scientific and technical research opportunities that have been made available through South Africa's investments in radio astronomy, and thereby continues to secure the country's return on its investment.

When South Africa submitted its expression of interest to host the SKA in 2003, there were fewer than five active radio astronomers in South Africa. Since then, over 1 500 scholarships and Fellowships have been awarded by NRF-SARAO.

## Research Excellence Award for Next Generation Researchers

*Social Sciences, Humanities and Law*



**Ms Maricéle Botes**

School of Law  
North-West University

Ms Maricéle Botes is currently pursuing her PhD in Law and Development. Her research focuses on how spatial planning and land use management by-laws can enhance urban climate resilience in South African secondary cities. This has resulted in new insights into the domains of climate change law, urban law, planning law, and local government law and it contributes to the formulation of policies and regulations intended to mitigate and adapt to the impacts of climate change in urban areas, leading to more sustainable and climate-resilient cities. She has several co-authored research outputs, including scholarly articles, book chapters, and research reports, and is the Editor-in-Chief of the official SARCHI: CLES Newsletter, *CLES InPress*. She also presented at 11 international and national conferences and won 1st and 3rd prizes for best presentations at two of these conferences.

*Life Sciences*



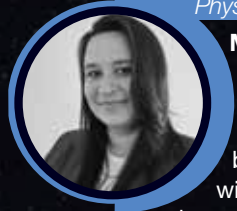
**Ms Carla Dodd**, Department of Zoology  
Nelson Mandela University

Ms Carla Dodd's interest is in the field of groundwater and hydrological cycle research with the aim of remediating drought conditions that severely impact the local socio-economic climate. Groundwater has been touted as a mitigation tool to alleviate society's reliance on surface water. However, the groundwater cycle is poorly understood in terms of connectivity and replenishment. Her research uncovers these dynamics by using cutting-edge methodology in collaboration with international scientists. Ms Dodd's research is also the first to map and model the hydrological flowpaths linked to coastal microbialites, thereby providing a unique evolutionary window into the past. Ms Dodd completed both her Honours and MSc in Geology *cum laude* at Nelson Mandela University. She is currently a final-year PhD student, focussing on the drought crisis in the Nelson Mandela Bay region. Hers is the first multi-tracer study of its kind in the area. She is the first author of three publications in international scientific journals and a co-author of four additional articles. In 2023, she was awarded a three-month exchange Fellowship at Oldenburg University, Germany.



## Research Excellence Award for Next Generation Researchers

### Physical Sciences



**Ms Taryn Golding**, Department of Chemistry  
*University of Cape Town*

Ms Taryn Golding's research focus is on novel hybrid quinoline-benzimidazole metallodrugs as antimalarial chemotherapeutics, with an interest in elucidating novel mechanisms of action using light-based therapies which provides a novel route to eradicating malaria. It is anticipated that her work will yield novel metallodrugs with enhanced activity in antimalarial chemotherapy and potentially provide insight into new mode(s) of action to target this disease, endemic to sub-Saharan Africa. She completed her BSc in Chemistry and Biochemistry, a BSc Honours and an MSc in Chemistry at the University of Cape Town and is currently enrolled there for her PhD in Bioorganometallic Chemistry. She is also a part-time tutor, laboratory demonstrator, and lecturer at UCT. She received the Best Poster Award at the 44th National Convention of the South African Chemical Institute held at Stellenbosch University; the Science Faculty PhD Fellowship and the UCT ATAP (Accelerated Transformation of the Academic Program) Fellowship. This prestigious award earmarks exceptionally talented early career scientists, with a distinct aptitude for an academic career. She has published five articles in peer-reviewed journals.

## Research Excellence Award for Next Generation Researchers

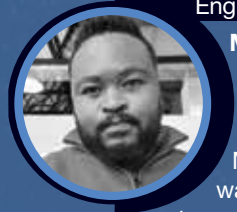
### Life Sciences



**Mr Kabelo Mokgalaboni**  
Department of Life and Consumer Sciences  
*University of South Africa*

Mr Kabelo Mokgalaboni obtained his Honours in Medical Science, with distinction in Hematology, and Master's in Physiology from the University of Limpopo and University of KwaZulu-Natal respectively. He is a PhD candidate in Life Sciences and holds the position of nGAP Lecturer at the University of South Africa. One of Mr Mokgalaboni's notable achievements is the development of a mouse model of diabetes through a high-fat diet. He conducted experimental studies using three-drug regimens to investigate their effectiveness in reducing the risk of cardiovascular complications associated with diabetes. Additionally, he has explored the potential benefits of vitamins, natural plants, fruits, and their extracts in addressing obesity, prediabetes, and diabetes mellitus. Mr Mokgalaboni serves as a Topic Editor for *Frontiers in Clinical Diabetes and Healthcare*, specifically for the Methods in Diabetes Cardiovascular Complications section. He has an impressive publication record, with 30 peer-reviewed articles in reputable journals. He has successfully supervised two Honours students to completion and is currently supervising two Master's and three Honours students.

### Engineering



**Mr Athi Mavukwana**  
Department of Chemical Engineering  
*University of South Africa*

Mr Athi Mavukwana's research focus is on the use of low-value waste materials to produce energy and other useful products. This is very relevant given the current environmental and energy crisis that South Africa, and the world, is facing. Mr Mavukwana has developed a new approach for reusing waste tires to minimise environmental impact while generating profit. The approach simplifies a complex waste tire conversion system, involving a targeted combination of waste tires and other raw waste materials as feed. It produces a combination of products, including energy and chemicals, making the system more efficient and economically flexible. He completed his BTech in Chemical Engineering at the Durban University of Technology and MTech at the University of Johannesburg and recently met the requirements for the Doctoral degree dissertation at the University of South Africa where he is also a lecturer. He was a Fulbright Visiting Scholar at the University of Maryland; published five peer-reviewed journal articles, and received a Research Excellence Award from UNISA.

### Engineering



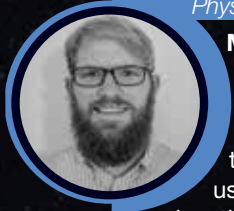
**Ms Nomthandazo Precious Sibiya**  
Department of Chemical Engineering  
*Durban University of Technology*

Ms Nomthandazo Precious Sibiya's research focuses on the removal of heavy metals from wastewater using hybridized absorbents. South African companies produce over 40 million metric tons of wastewater annually, threatening the environment and human health. A treatment solution for removing heavy metals from wastewater is through absorption, however, recovering these absorbents is challenging. Thus, magnetizing agro-waste absorbents for the removal of heavy metals will present a unique solution for treating wastewater for reuse, while mitigating zero waste. Ms Sibiya's research findings will aid water (mining industries) and agricultural stakeholders in evaluating the economic viability of adsorption technology. She obtained both her BTech and MEng degrees *cum laude* and is currently enrolled for her DEng at the Durban University of Technology. She also has international research experience as an Erasmus exchange candidate at the University of Valladolid, Spain. She has authored six peer-reviewed journal articles and presented at five conferences.



## Research Excellence Award for Next Generation Researchers

Physical Sciences



**Mr Bertus van Heerden**, Department of Physics  
*University of Pretoria*

Mr Bertus van Heerden's research focus is on biophysics, specifically the development of real-time single-particle tracking (SPT) and the use of this technique to study photoprotection in plants. His work has the potential to impact our understanding of the behaviour, motion, and properties of biological molecules in their natural environments. It is also of global agricultural importance as it can assist in the engineering of crops to maximise output and lower costs. Most importantly, through the unique combination of his innovative, experimental and theoretical work, he has built a globally unique real-time SPT experimental setup during his PhD – the only SPT experimental setup on the African continent. Mr van Heerden is currently a final-year PhD student at the University of Pretoria, where he has been enrolled since his undergraduate studies. In 2022, he received a Fulbright Fellowship to attend Washington State University. He has published three articles in reputable journals and presented at five international and three local conferences.

## Research Excellence Award for Early Career/Emerging Researchers

Physical Sciences



**Dr Omowunmi Isafiade**, Department of Computer Science  
Programme, *University of the Western Cape*

Dr Omowunmi Isafiade's research into the field of computer science focuses on data-driven decision support, and the application of artificial intelligence and immersive technologies to public safety and other smart environments; key streams of the fourth industrial revolution (4IR). Her exploration of the application of such technologies to promote e-services, sustainability and efficiency has seen results such as a tractor application to assist in training and sustainability in the agricultural sector as well as a community policing application for improving public safety outcomes. Her work in establishing and leading a group for "Women in Computing" is commendable. She has published 38 peer-reviewed articles in credible journals and conference platforms such as Future Generation Computer Systems and supervised more than 30 students under the Computer Science MSc, Honours and PGD E-skills with Immersive Technologies (AR/VR) programme. Her excellent work has garnered her considerable local and international recognition, obtaining numerous scholarships and grants as well as winning the Paul G Allen Family Prize and L'Oreal-UNESCO Women in Science Award.

Physical Sciences



**Professor Lawrence Madikizela**, College of Science, Engineering  
and Technology, *University of South Africa*

Prof Lawrence Madikizela's work focuses on the environmental monitoring of pharmaceuticals, pioneering sample preparation procedures, monitoring and remediation studies. He further researches the uptake of organics by plants as well as identification and quantitation of non-steroidal anti-inflammatory drugs in marine and coastal environments. He holds a PhD in Chemistry from the University of the Witwatersrand and a Y-rating from the NRF. He has published 61 research articles in accredited journals including the *Journal of Hazardous Materials* and the *Water Research Journal*, and four book chapters and has supervised seven Master's students and one PhD candidate to completion. He was a Visiting Researcher at Wits and has garnered numerous accolades including the South African Chromatographer of the Year Award and the SACI Raikes Medal among others. He was also included in The Top 40 Under 40 Power List published by the Analytical Scientist. He is currently Chairperson for ChromSA, a division of the South African Chemical Institute and serves as the Editor-in-Chief for the *South African Journal of Chemistry*.



## Research Excellence Award for Early Career/Emerging Researchers

### Engineering



**Dr Velaphi Msomi**, Department of Mechanical and Mechatronic Engineering, *Cape Peninsula University of Technology*

There is a major drive to design and build transportation such as vehicles and ships from lighter materials in order to reduce fuel consumption as well as carbon emissions and other pollutants.

However, this requires specialised welding techniques capable of joining these materials effectively. Doctor Velaphi Msomi's research focuses on friction stir welding as an alternative conventional method due to its ability to enhance material properties and suitability for matrix composites and multifunctionally graded materials. Dr Msomi started CPUT's Friction Stir Welding and Processing Research Group in 2017, publishing 74 articles, one book chapter, and a patent since its inception. He has also acted as a guest editor for such journals as the *Journal of Process Mechanical Engineering* and *Applied Sciences* among others. He has graduated 14 Master's students and three Doctoral candidates. He maintains an NRF Y-rating and won the 2020 Gold Award from CPUT for research publication.

## Research Excellence Award for Early Career/Emerging Researchers

### Life Sciences



**Dr Ekene Emmanuel Nweke**, Department of Surgery *University of the Witwatersrand*

Dr Ekene Emmanuel Nweke, obtained his MSc *cum laude* and PhD from the University of the Witwatersrand in 2017. His focus is on hepatopancreatobiliary cancers, specifically pancreatic and gall bladder cancers, with a special emphasis on their impact on disadvantaged groups. His current work involves identifying biomarkers for early detection and improving the understanding, treatment, and management of these diseases. With an NRF Y-rating, Dr Nweke has published 17 articles and eight book chapters. He has successfully supervised the completion of two PhD and four Master's students and currently guides six PhD and six Master's students. Dr Nweke has received awards such as the Bert Myburgh Research Prize and a Wits Inventor Award, along with grants including the NRF Thuthuka grant. He plays key roles in the African HepatoPancreatoBiliary Cancer Consortium as co-chair of the Biospecimen Laboratory Analysis Committee and in the Surgical Research Society of Southern Africa as an executive member.

### Life Sciences



**Associate Professor Nastassja Koen**  
Department of Psychiatry and Mental Health, Neuroscience Institute, *University of Cape Town*

Associate Prof Nastassja Koen's research interests include the genomic, epigenomic and transcriptomic neurobiology, and transgenerational effects of trauma-related disorders, particularly in South Africa and Africa, e.g. in the Drakenstein Child Health Study, a local birth cohort study. She has published more than 65 peer-reviewed papers and nine book chapters, and is currently NRF Y1-rated. She is committed to mentorship and capacity building. In addition to mentoring a number of postgraduates/postdoctoral Fellows, she supervises two PhD candidates (co-supervising a third), and one Master's candidate. She co-supervised one Honours and two PhDs to completion. A/Prof Koen has received a number of competitive awards and accolades including the South African Medical Association Young Leaders Doctors' Award: Research; the SAMRC Clinician Researcher Programme PhD Scholarship in Clinical Research; and the Biological Psychiatry Special Interest Group Research Career Award. She previously appeared on the Mail and Guardian's 200 Young South Africans list.

### Engineering



**Dr Nastassia Thandiwe Sithole**, Department of Chemical Engineering Technology, *University of Johannesburg*

Dr Thandiwe Sithole is actively involved in applying cutting-edge and fundamental research at the interface of materials, environment, chemical and engineering sciences to develop low-cost, beneficial, and practical solutions to various water and industrial solid waste problems faced by our society worldwide. The main goal of her research is to develop zero-waste discharge models and value-added products from solid waste materials to be used in different building and construction applications, driven by the need to achieve the United Nations Sustainable Development Goals for environmental sustainability SDG 6: Clean Water and sanitation and SDG 3: Good health and well-being. She holds a PhD in Chemical Engineering and is a Senior Lecturer at the Department of Chemical Engineering at the University of Johannesburg. She has filed one patent and authored/co-authored over 45 peer-reviewed publications. She has supervised over 60 undergraduate and postgraduate students.



## Public Engagement with Research Award



**Professor Ryan Blumenthal**

Department of Forensic Medicine  
University of Pretoria

Few have taken public engagement with research as seriously as Professor Ryan Blumenthal, Senior Specialist Forensic Pathologist and Associate Professor in the Department of Forensic Medicine at the University of Pretoria. From academic publisher and television documentarian to non-fiction author and prolific mainstream and social media communicator, he has become a leading voice in the pursuit of connecting science with society.

Over the course of his career as a forensic pathologist and researcher, Prof Blumenthal has established a formidable body of work in the fields of keraunomedicine (the medical study of lightning injuries and casualties), electropathology and suicide that has been recognised internationally. He has published 39 articles in peer-

reviewed journals, contributing the largest study of the pathology of suicide from a single institution in Africa as well as the largest series on lightning pathology to date. He has also contributed chapters to six international medical and forensic textbooks. He has performed more than 10 000 autopsies, including assisting with the Marikana autopsies, the Life-Esidimeni autopsies and performing an autopsy on a State President.

For DSTV, he conceptualised, wrote and hosted an eight-part documentary on lightning and its effects that has been viewed by more than 2.2 million people and he published the best-selling non-fiction book, *Autopsy: Life in the trenches with a forensic pathologist from Africa* (Jonathan Ball Publishers, 2020), which seeks to demystify forensic pathology and which made the list for the Sunday Times Book Awards and was short-listed for the SA Booksellers Awards. *Autopsy* was soon followed by another non-fiction book, *Risking Life for Death* (Jonathan Ball Publishers, 2023). He also manages his own YouTube channel and website dedicated to communicating science in a way that makes it easy to understand and appreciate.

His expertise in lightning pathology led to the creation of guidelines for safety awareness and safety campaigns which are used by South Africa's sporting sector as well as by society. He holds an NRF C2-rating and sits on the editorial boards of *American Journal of Forensic Medicine and Pathology* and *Academic Forensic Pathology Journal*.

## Champion of Research Capacity Development and Transformation at South African Higher Education Institutions

**Professor Fhumulani Mavis Mulaudzi**

Department of Nursing Science  
University of Pretoria

Prof Fhumulani Mavis Mulaudzi holds the South African Research Chair in Ubuntu Community Model of Nursing and is a Professor of Nursing at the University of Pretoria. Her research interests are in Ubuntu Philosophy which advocates for transformation and diversity in Africa, particularly in South Africa.

Prior to her appointment as SARCH Chair, Prof Mulaudzi was the Head of the Department of Nursing Science for ten years and the Chair of the School of Health Care Sciences at UP. She is currently the first Deputy President of the Democratic Nursing Organisation of South Africa (DENOSA) and President of the Global Nurses and Midwives Rotary Club. Prof Mulaudzi is also the Chief Editor of the *Curationis Journal*.

Prof Mulaudzi believes in problem-based learning which allows students to present and teach each other to promote peer education. She desires to see women, particularly young and black women, leading in the scholarship of research, teaching, and learning, thus her Master's and PhD students are mostly black women—the majority of them are NRF-funded and the majority of her black students received their PhDs in three to five years. She also co-publishes with her students to increase science engagement among them.

Prof Mulaudzi also works with professional nurses and undergraduate students



to ensure that they are using Ubuntu when caring for their patients. Her work on the Ubuntu project encompasses five universities mentoring emerging researchers on how to incorporate community engagement, teaching, and learning into their research. This has resulted in a manual on Ubuntu TB, HIV, and AIDS-informed care. The goal of creating this manual was to teach traditional healers and community workers how to deal with these diseases in their communities. She believes in participatory action research to teach researchers how to work with key stakeholders to implement research in their communities, thereby improving health care. She has recently edited a book called *Working with indigenous knowledge: strategies for health professionals*.

Her research outputs during the last eight years include 56 peer-reviewed articles, 10 book chapters, and two books.



## Hamilton Naki Award



**Professor Abdul Tayob**

Department of the Study of Religions  
*University of Cape Town*

Professor Abdulkader Tayob was born and raised in Brits, North-West Province, during the height of apartheid. Despite the incredible hurdles to education and advancement, he charted a novel path in the academic world that significantly transcended the racialised boundaries he faced in South Africa.

His intellectual journey was constituted by a high degree of commitment to education supported by community projects. Both his parents and grandparents had limited schooling but they impressed upon him the value of education. He wanted to become a maths teacher and spent many evenings teaching maths in township projects. He overcame the hurdles of segregation and second-class belonging to ultimately obtain a PhD in Islamic Studies at Temple University in the United States.

In 1989, he was appointed lecturer at UCT. As one of the first doctorates in South Africa in Islamic Studies, he developed the field in South Africa. Here, he co-founded the Centre for Contemporary Islam in 1996. He was soon recognised globally for his work and recruited to the Netherlands in 2002. He returned to UCT in 2006 to take up the South African Research Chair on the Study of Islam in Africa.

In 2019, he was awarded the George Foster Prize for a lifetime of academic achievement by the Humboldt Foundation in Germany.

Over thirty years, he has left a legacy by publishing widely, setting up networks of scholarly engagement, and training a new generation of scholars. There is hardly a department for the study of religion in South Africa and elsewhere in Africa that has not been impacted by his scholarship and academic citizenship.

His research outputs over the last eight years include nine peer-reviewed journal articles, nine book chapters and four edited journal issues.

## NRF Excelleration Award for SA Research Institutions

University of Zululand



## NRF CEO's Special Recognition Award



University of Mpumalanga



## Science Team Award



### Radio Astronomy Techniques and Technologies (RATT)

Rhodes University

In the words of an international reviewer for the DSI-NRF SARCHI Chair in Radio Astronomy Techniques and Technologies, "...[the RATT] group is not just a leading R&D group for interferometric imaging, it is the leading group in the world." High praise for a group that has distinguished itself in the field of radio astronomy not only for the development of algorithms and software that are used extensively by astronomers throughout the world, but also its frontier-expanding research in fundamental astronomy, cosmology, and astrophysics, establishing itself as an international hub for radio astronomy techniques. Its KERN software suite, the result of a RATT PhD project, has become a *de facto* standard for radio astronomy. Other packages, such as CubiCal and QuartiCal became mainstays of radio interferometric calibration.

RATT is headed up by Professor Oleg Smirnov, who maintains a NRF A-rating,

and supported by team members Dr Kenda Knowles, who holds a NRF-Y rating and who coordinates an international team exploiting the MeerKAT Galaxy Cluster Legacy Survey (MGCLS) and a MeerKAT cluster survey of her own design called MERGHERS; Dr Mpati A Ramatsoku, who leads the HI efforts for the Virgo filaments galaxy survey, coordinates the creation of an unprecedented catalogue of HI galaxies –MGCLS-HI, and plays a major role in the MeerKAT Fornax Survey; and Dr Gianni Bernardi, a Visiting Professor from Italy's INAF and who leads a subgroup focused on Epoch of Reionization (EoR) studies, and plays a major role in the Hydrogen Epoch of Reionization Array (HERA) telescope located in the Karoo; along with a team of research associates, undergraduate students and postgraduate Research Fellows.

RATT peer-reviewed articles have been published in journals such as *Nature* and *Nature Astronomy*. To date RATT has trained more than 40 postgraduate students and 15 postdoctoral Fellows.

## A-Rated Researchers: 1<sup>st</sup> Rating

### Professor Vasco Brattka

Department of Mathematics and Applied Mathematics  
University of Cape Town



Professor Vasco Brattka is a leading researcher in computable analysis, collaborating on the development and establishment of the research field of Weihrauch complexity. Prof Brattka obtained a PhD in Computer Science from Hagen University, Germany. He joined the University of Cape Town as Head of Department in 2004 and later appointed Associate Professor in 2009. He is also an Honorary Research Associate at UCT and Professor of Theoretical Computer Science and Mathematical Logic at the Universität der Bundeswehr München, Germany. He has Chaired the Steering Committee of the international conference series *Computability and Complexity in Analysis* since 2008 and has co-edited a handbook on the topic. He was also the Editor-in-Chief of *Computability - The Journal of the Association CIE*. Prof Brattka's awards include the Silver Medal of the Kurt Gödel Research Prize Fellowship and the Shoefield Prize of the Association for Symbolic Logic. His research outputs over the last eight years include 12 peer-reviewed journal articles, one book and three book chapters.

### Professor Gavin Churchyard

The Aurum Institute



Professor Gavin Churchyard is a specialist physician focusing on tuberculosis and HIV as well as COVID-19. As the founder and Group CEO of the Aurum Institute NPC, he oversees research, service delivery and technical assistance in South Africa and a number of other countries. He led the Adult Clinical Trials Group TB Transformative Science Group of the US National Institute Health Division of AIDS and contributed to WHO policy and guidelines. Prof Churchyard completed his MBCh, Master's in Internal Medicine and PhD in Infectious Diseases at the University of the Witwatersrand and is a Fellow of the College of Physicians in South Africa and the Royal College of Physicians in Edinburgh. He completed his internship at Johannesburg General Hospital and worked as a Medical Officer, Resident and Consultant at several medical facilities around the country. He has published 300 peer-reviewed articles over his career in journals such as the *New England Journal of Medicine*, *The Lancet*, and *Nature Medicine* as well as 12 book chapters. Over the past eight years he has supervised 29 students including three PhDs.



## A-Rated Researchers: 1<sup>st</sup> Rating

### Professor Michelle Fine

Department of Psychology  
University of South Africa



Prof Michelle Fine's work is grounded in decolonial feminisms. She has developed a 40-year portfolio that focuses theoretically and empirically on the social psychology of injustice: exploring how unjust conditions are perceived, explained, justified, internalised and resisted by those most impacted; by non-victims who bear witness; and by those who benefit from inequity. She has investigated these questions in a range of social contexts – schools, prisons and communities – and different countries, such as South Africa, Alaska, Brazil, Israel/Palestine, and Aotearoa/New Zealand. Prof Fine obtained her PhD in Psychology from Columbia University. She's currently the Deputy Executive Officer of Psychology and Distinguished Professor of Critical Psychology at the City University of New York, and Professor Extraordinarius at the University of South Africa. She has been honoured with awards for Distinguished Career, Lifetime Contributions, Theoretical Innovation and Social Justice Impact from the American Psychological Association, the American Educational Research Association, the Society for Qualitative Inquiry in Psychology, and the British Psychological Society. Her research outputs during the last eight years include three books, 25 book chapters, and 20 peer-reviewed articles.

## A-Rated Researchers: 1<sup>st</sup> Rating

### Professor Koop Lammertsma

Department of Chemical Sciences  
University of Johannesburg



Specialising in organic chemistry, Professor Koop Lammertsma's research focuses on the development of new approaches in catalysis using computational chemistry and fundamental organophosphorus chemistry, particularly in the control and prediction of chiral-at-metal catalysis. Prof Lammertsma completed his Master's in Organic Chemistry at the University of Groningen and his PhD at the University of Amsterdam in The Netherlands. He has held a number of positions in academia and government including the US National Science Foundation, and Fellowships and Visiting Professorships at universities in Europe, the UK, and the USA. He is currently a Distinguished Visiting Professor at the University of Johannesburg. He has published more than 260 peer-reviewed articles in journals such as *Chemistry*, *Organometallics*, and *Chemical Communications* and is a regular reviewer for more than 40 chemistry journals. In 2021 he was awarded the International Arbuzovs Prize in Organophosphorus Chemistry, the highest international distinction in the field of phosphorus chemistry. In the USA and Netherlands, he has supervised 27 PhD candidates and 100 Master's students to graduation.

### Professor Renée Christine Kraan-Korteweg

Department of Astronomy  
University of Cape Town



Prof Renée Christine Kraan-Korteweg is an expert in the area of large-scale distribution of galaxies, the Zone of Avoidance, systematic HI surveys, cosmic flow fields, and galaxy evolution, and internationally recognised for her work in unveiling the galaxy distribution hidden by the Milky Way. Currently a Senior Research Scholar and Emeritus Professor at UCT, she has played a leading role in the establishment and promotion of astronomy, first at the University of Guanajuato, Mexico and then at UCT. As Head of Astronomy at UCT, she was key in establishing an internationally recognised radio astronomy group which now leads many of the large survey projects that are pursued with MeerKAT. She served as Vice-President of the International Astronomical Union and, since 2019, as Science Committee member of the recently formed African Society of Astronomy. She received the Special Commemorative MeerKAT Award from the Minister of Science and Innovation and In 2021, as well as the African Network of Women in Astronomy Senior Award.

### Professor Barend (Ben) Mans

Agricultural Research Council  
Onderstepoort Veterinary Institute



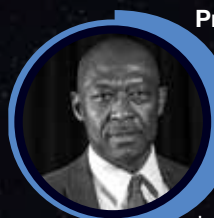
Research of Professor Ben Mans focuses on tick biology and evolution, specifically adaptation to a blood-feeding lifestyle at the tick-host interface, tick taxonomy and systematics. Prof Mans received his Honours, Master's and PhD degrees in Biochemistry from the University of Pretoria (UP) and completed Postdoctoral Fellowships at UP, the National Centre for Biotechnology Information (NCBI), and the Laboratory for Malaria and Vector Research at the National Institutes of Health (NIH, USA). He has worked at the Agricultural Research Council – Onderstepoort Veterinary Research since 2008 where he has held a number of research positions, currently as Principal Researcher and Research Team Manager. He is also a Professor Extraordinarius at the University of South Africa. He has published 110 peer-reviewed articles with over 6 800 citations. In addition he has authored and co-authored 17 book chapters and has served on the Editorial Boards of *PLoS One*, the *International Journal of Acarology*, and *Ticks and Tick-borne Diseases*.



## A-Rated Researchers: 1<sup>st</sup> Rating

### Professor Kenneth Ozoemena

School of Chemistry  
University of the Witwatersrand



Professor Kenneth Ozoemena is an electrochemist whose research focuses on structure-redox relationship in materials with a view to changing their inherent physico-chemical properties for application in energy storage, energy conversion, and sensors. He is a Research Professor at the University of the Witwatersrand, where he heads up the DSI-NRF SARCHI Chair in Materials Electrochemistry and Materials Technologies (MEET). He holds a PhD in Chemistry (Rhodes, 2003). Since 2001, he has published over 240 peer-reviewed articles, 11 book chapters, edited three books, and registered 11 patent applications (including two granted US patents). His accolades include the Wits' Vice Chancellor's Research Award and CSIR CEO Award. He is a member of the Governing Council and Vice-President of the African Academy of Sciences; a member of the Academy of Science of South Africa; and Fellow of the African Academy of Science. He currently serves on the editorial board of several journals including *Scientific Reports* and is an Associate Editor for *Electrochemistry Communications*. Prof Ozoemena is an Honorary Professor at the Wuhan University of Technology, China.

## A-Rated Researchers: 1<sup>st</sup> Rating

### Professor Claire Spottiswoode

FitzPatrick Institute of African Ornithology  
University of Cape Town



A researcher in the field of Ecology and Environmental Science, Professor Claire Spottiswoode's work focuses on the ecology, evolution and conservation of species interactions. Her team's research aims to understand how the process of coevolution, both antagonistic and mutualistic, contributes to the adaptation and diversification of biodiversity. Prof Spottiswoode obtained her BSc and Honours degrees in Zoology and Botany from the University of Cape Town. She completed her PhD in Zoology at the University of Cambridge, followed by a series of research Fellowships at Cambridge, where she remains a Principal Research Associate. She is currently the Pola Pasvolsky Chair in Conservation Biology at UCT. She has published 102 peer-reviewed articles in various journals including *Science*, *PNAS* and *Nature Ecology & Evolution*. In the last eight years, she has supervised seven postdoctoral researchers and eight PhD candidates, as well as seven Master's and three Honours students. Among her accolades are the Scientific Medal of the Zoological Society of London and the Bicentenary Medal of the Linnean Society of London. She was also the youngest recipient of the Gill Memorial Medal from BirdLife South Africa.

### Professor Juergen A Richt

Department of Veterinary Tropical Diseases  
University of Pretoria



Professor Juergen A Richt is a veterinary microbiologist specialising in infectious agents with emerging, zoonotic and transboundary potential, including diseases such as animal influenza; prion diseases; Rift Valley Fever; African swine fever; and SARS-CoV-2 among others. His group has developed preclinical models, DIVA-compatible vaccines, therapeutics and diagnostic tools for domestic and wild animals. He holds a Doctor of Veterinary Medicine degree from Germany's Ludwig Maximilian University and a PhD degree in Virology from Justus Liebig University. He is an Extraordinary Lecturer in the Dept of Veterinary Tropical Diseases at UP; the Regents and Distinguished Professor at the College of Veterinary Medicine at Kansas State University; Director of the Center of Excellence for Emerging and Zoonotic Animal Diseases and the Center on Emerging and Zoonotic Infectious Diseases; and held a Postdoctoral Fellowship at Johns Hopkins University. More than 300 peer-reviewed articles of his have appeared in such journals as *Nature Biotechnology* and *Science*. He is chief editor for *Virus Genes* and on the editorial board of several journals.

### Professor Gerhard Walzl

Department of Biomedical Sciences  
Stellenbosch University



Professor Gerhard Walzl is a clinician scientist, trained in internal medicine, pulmonology and immunology. His research focus is on host biomarkers, including diagnostic markers and markers of TB treatment response and of protective immunity against *Mycobacterium tuberculosis* (MTB). He established and leads the Immunology Research Group at Stellenbosch University. In 2016 he was appointed as the Head of the Division of Molecular Biology and Human Genetics and the Executive Head of the Department of Biomedical Sciences. He is also a Distinguished Professor of Immunology. Prof Walzl holds two patents and is awaiting approval for four more. He has supervised more than 30 postgraduate students to date. His research outputs over the last eight years include five artefacts, one prototype, three book chapters, and 156 peer-reviewed journal articles. He has led several multinational and multidisciplinary research projects on TB. In 2021, he was awarded the South African Medical Research Council Gold Medal for Outstanding Lifetime Scientific Contributions to Health Research.



## A-Rated Researchers: 1<sup>st</sup> Rating



**Professor Alphose Zingoni**

Department of Civil Engineering  
*University of Cape Town*

Professor Alphose Zingoni's research interests encompass shell structures, vibration analysis and applications of group theory to computational problems in structural mechanics. He started his academic career at the University of Zimbabwe where he became the Dean of the Faculty of Engineering in 1997. He moved to the University of Cape Town in 1999 where he was promoted to Full Professor: Structural Engineering and Mechanics in 2003. Prof Zingoni authored the book *Shell Structures in Civil and Mechanical Engineering* which is widely used around the world. Significantly, he also founded the Structural Engineering, Mechanics and Computation series of international conferences, held in Cape Town every three years since 2001. In 2020 and 2021 he was included in the University of Stanford's list of the top two percent of the most-cited scientists in the world. He has served on the editorial boards of numerous international journals. Prof Zingoni is a Fellow of the South African Academy of Engineering, the Institution of Structural Engineers (London), and the International Association of Bridge and Structural Engineering (Zurich). He is registered as a Chartered Engineer with the Engineering Council of the UK.

## A-Rated Researchers: 2<sup>nd</sup> Rating



**Professor Achille Mbembe**

Wits Institute for Social and Economic Research (WISER)  
*University of the Witwatersrand*

Professor Achille Mbembe's research focuses on the exploration of the philosophical horizons of decolonisation and a rereading of the political and cultural history of modernity in Africa. Prof Mbembe received his undergraduate and Master's degrees in History from the University of Yaoundé in Cameroon. His PhD, which included two Diplôme d'études approfondies, one in History from the Sorbonne and the other, in Politics, from Sciences Po in Paris, was completed at the Sorbonne. He was a director at Senegal's Council for the Development of Social Science Research in Africa and held the position of Visiting Professor at the University of California, Duke, Yale and Harvard universities in the USA. He is currently a Research Professor in History and Politics at Wits Institute for Social and Economic Research. Since 2014, he has published 25 peer-reviewed articles in journals such as *Le Débat*, *Multitudes*, and *Radical Philosophy*. He has also authored 10 books and three book chapters. His work has been translated into 12 languages. He has received many accolades for his research including two Honorary Doctorates, the Gerda Henkel Award and the Geschwister Scholl-Preis.



**Professor Guy Midgley**

Department of Botany and Zoology  
*Stellenbosch University*

Currently Acting Director for the School for Climate Studies and the Center for Invasion Biology, and Distinguished Professor, at Stellenbosch University, Professor Guy Midgley has worked on climate change risks to biodiversity since the 1980s. Previously A-rated in Plant Sciences, he has achieved a further NRF A-rating in Earth Sciences. A recipient of the South African NFTS and Ecologic Awards, Royal Society of South Africa's Marloth Medal, and German Humboldt Research Award for lifetime scientific contributions, he is ranked by Thomson-Reuters as highly cited, and in the top 200 most influential climate change scientists globally (2022). He has contributed to multiple international environmental assessments under the UN Framework Convention on Climate Change, Convention on Biological Diversity and Intergovernmental Platform for Biodiversity and Ecosystem. He chaired SA's Global Change Science Committee in the 1990s and 2000s, and has graduated many students now occupying senior government, consulting, and academic positions.



## A-Rated Researchers: 2<sup>nd</sup> Rating

### Professor Peter Ryan

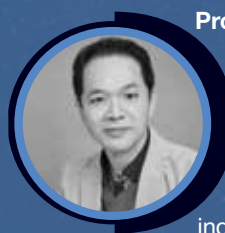
FitzPatrick Institute of African Ornithology  
University of Cape Town



Prof Peter Ryan is an ornithologist with an interest in seabirds and the effects of plastic pollution on the marine environment. His MSc and PhD research in the 1980s took him to remote islands in the Southern Ocean, leading to Inaccessible Island being proclaimed a Nature Reserve and recognition of Gough and Inaccessible Islands as a Natural World Heritage Site. In 1993 he was appointed as Lecturer in the Department of Zoology at UCT to run the newly established MSc Programme in Conservation Biology which graduated more than 300 students from 52 countries. In 2014, he was appointed as Director of the FitzPatrick Institute. He served as President of BirdLife South Africa from 2010 to 2012; received the Gilchrist Medal for contributions to marine science; and the Gill Memorial Medal for outstanding lifetime contributions to ornithology. He has published over 500 papers and supervised 118 post-graduate students. Over the last eight years his research outputs include four books, four book chapters, and 217 peer-reviewed articles.

### Professor Qingguo Wang

Institute for Intelligent Systems  
University of Johannesburg



Prof Qingguo Wang's research is in the fields of Automation and Artificial Intelligence, focusing on modelling, estimation, prediction, control and optimisation with a wide range of applications including industrial and environmental processes, energy and defence systems, medical technology and financial engineering. Prof Wang holds a PhD in Engineering from Zhejiang University. He joined the University of Johannesburg as a Distinguished Professor in 2015 and as Distinguished Visiting Professor in 2021. Since 2020, he has been Chair Professor at Beijing Normal University, China. He received the prize for the most influential paper of the journal *Control Theory and Applications* in 2014; was on Stanford University's list of the World's Top 2% Scientists and was among SciVal - Top 500 authors in Africa from 2015 to 2020. He is currently the deputy Editor-in-Chief of *ISA Transactions* and co-holds five patents in the USA and Singapore. His research outputs over the last eight years include one book and 140 peer-reviewed journal articles, receiving over 21 000 citations with H-index of 78.

## A-Rated Researchers: 3<sup>rd</sup> Rating

### Professor Rachel Jewkes

Research Strategy and Intramural Unit  
South African Medical Research Council



Prof Rachel Jewkes has conducted ground-breaking research on the intersections of GBV and HIV, on rape and rape perpetration and on GBV prevention. She completed her Master's and MD degrees at the London School of Hygiene and Tropical Medicine. She is the Executive Scientist in the Office of the President of the SAMRC; an Honorary Professor at the University of Witwatersrand; and served on the Executive Management Committee of the SAMRC. She co-founded the Sexual Violence Research Initiative (SVRI) and is a long-standing member of the WHO Expert Advisory Panel on Injury and Violence Prevention and Control. She led the technical team of the UN Multi-country Study on Men and Violence in Asia and the Pacific and has worked closely with the South African Government on sexual violence and health policies. She has published 316 peer-reviewed journal articles, 44 technical reports, 33 book chapters, developed 19 GBV prevention intervention manuals and is an international advisory board member for *The Lancet* and *The Lancet Public Health* and on the editorial board of *PLoS Medicine* and *Archives of Women's Medical Health* among others. She has supervised 15 PhD students. In 2014, she was awarded a Gold Medal by the SAMRC.

### Professor Shabir Madhi

School of Pathology  
University of the Witwatersrand



Professor Shabir Madhi's expertise is in the field of epidemiology and clinical development of vaccines against respiratory pathogens. He is the Dean of the Faculty of Health Sciences at the University of the Witwatersrand and the Director of the South African Medical Research Council Vaccines and Infectious Diseases Analytics Research Unit. He is internationally recognised for leading the first African vaccine studies against the leading causes of death in children from pneumonia and diarrheal disease, and for research on the epidemiology and clinical development of multiple vaccines targeted at protecting pregnant women, fetuses and young infants against vaccine preventable diseases. He led COVID-19 epidemiology studies and clinical development of COVID-19 vaccines in South Africa, including the first two vaccine safety and efficacy trials in Africa. His accolades include the SAMRC Platinum Medal Lifetime Achievement Award; ASSAf Science-for-Society Gold Medal, and the NSTF South-32 Lifetime Achievement Award. During the last eight years, he has authored/co-authored 370 publications and supervised 19 PhD students to completion.



## A-Rated Researchers: 3<sup>rd</sup> Rating



### Professor Lynette Wadley

Evolutionary Studies Institute  
*University of the Witwatersrand*

Professor Lyn Wadley's archaeological specialty is the African Stone Age: Middle Stone Age (which lasted from approximately 300,000 to 25,000 years ago) and Later Stone Age (the last 25,000 years). She spent eleven years excavating Rose Cottage Cave in the eastern Free State; excavated the rock shelter, Sibudu, in KwaZulu-Natal; and is now part of the team re-excavating Border Cave in KwaZulu-Natal. She is a Honorary Professor of Archaeology in the Evolutionary Studies Institute, University of the Witwatersrand and taught archaeology from 1982 until her retirement in 2004. She is a Fellow of the British Academy and the Royal Society of South Africa, and a member of various professional associations including SAfA and ASSAf among others. She was first author on two Science papers reporting the earliest evidence for cooking rhizomes (170,000 years ago) and for creating grass bedding underlain by ash (227,000 years ago). Her "COVID-19-project" was authoring a Waterberg wild flower book with several local plant enthusiasts.

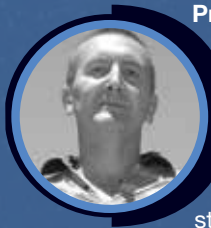
## A-Rated Researchers: 4<sup>th</sup> Rating



### Professor George Janelidze

Department of Mathematics and Applied Mathematics  
*University of Cape Town*

Currently a Professor in the Mathematics and Applied Mathematics department at the University of Cape Town, Professor George Janelidze's research has focused on areas of Category Theory, Algebra, and Topology. He obtained his MSc and PhD in Mathematics from Tbilisi State University in Georgia, and DSc from Petersburg State University in Russia. One of his major achievements was to develop a category-theoretic version of classical Galois Theory with many new applications, especially in universal, homological, and commutative algebra, and in algebraic and general topology. Previously working at the Tbilisi Mathematics Institute he was invited as a Visiting Professor to a number of universities in Europe, North America, and Australia. He is a Member of the Georgian and the South African Academies of Science, elected in 2013 and 2020, respectively. He has published more than a hundred peer-reviewed articles in international mathematical journals.



### Professor Yevhen Zelenyuk

School of Mathematics  
*University of the Witwatersrand*

Prof Yevhen Zelenyuk's main research interest lies in topological algebra, especially in topological semigroups and the Stone-Cech compactification. He completed his postgraduate and postdoctoral studies at Shevchenko University, Ukraine. One of the results of his Candidate of Science dissertation was constructing a locally compact monothetic topological semigroup which is neither compact nor discrete. This showed that an important theorem of A. Weil (every locally compact monothetic topological group is either compact or discrete, 1940) does not hold for topological semigroups. He co-authored the book *Topologies on Groups Determined by Sequences*. In his Doctor of Science dissertation he proved that the Stone-Cech compactification of the integers contains no nontrivial finite groups, considered a fundamental result in the field. He joined the University of the Witwatersrand in 2004 as an Associate Professor and in 2006 was appointed as Research Professor. In 2011 his book, *Ultrafilters and Topologies on Groups*, was published. His research outputs over the last eight years include 25 peer-reviewed journal articles.

## NRF Significant Contribution Award



### Dr Phil Mjwara

Director General  
*Department of Science and Innovation*

Dr Phil Mjwara has been a key figure in South Africa's Square Kilometre Array (SKA) project from early in its development. His support and faith in South Africa's ability to host such a massive and scientifically important project helped the country in its successful bid to host a segment of the world's largest and most sensitive radio telescope array. Over the years, he has assisted in the development not only of the various phases of the projects but also the spinoff benefits that the SKA project has provided, including employment opportunities in construction and eco-tourism, skills development and training, and education from basic to tertiary level. Dr Mjwara holds a PhD in Physics from the University of the Witwatersrand. He served as Professor of Science and Technology Policy at UP and lectured Physics at Wits, UNISA and University of Fort Hare. Since 2006, he has served as the Director-General of the Department of Science and Innovation and recently won the NSTF's 2023 Ukhozi Award for his contributions to the South African National System of Innovation. Dr Mjwara sits on the Board of the Square Kilometre Array Organisation.



## Lifetime Achievement Award



Professor Jill Adler

Professor Jill Adler was born and raised in Johannesburg. She completed a BSc in Mathematics and Psychology at the University of the Witwatersrand in 1972 and her Secondary Teacher's Diploma at the University of Cape Town in 1973 before taking up a teaching post at Harold Cressy High School in Cape Town. In 1977 she returned to Johannesburg and joined the SACHED Trust, an educational NGO concerned with enriching the quality of education of those disadvantaged in apartheid South Africa, where she first taught O-level mathematics to youth who were out of school following the

Soweto uprising in 1976. Her work at the NGO over the next 10 years enabled her to further her social justice advocacy, seeking to address the educational inequalities in South Africa by improving mathematics education through the development and evaluation of distance education courses. At the same time she studied for her MEd at Wits, graduating *cum laude* in 1985. In 1987 she moved into academia, lecturing in the Department of Professional Studies at the Johannesburg College of Education for two years before moving to the Education Department at Wits where she worked variously as a Lecturer, Head of Department,

Professor, as well as the SARChI Chair of Mathematics Education 2010 - 2019. She holds an A1-rating from the NRF.

Prof Adler completed her PhD in 1996 with a thesis that looked at the dynamics of teaching and learning mathematics in multilingual classrooms, specifically examining secondary teachers' knowledge in this context. This was later published as a book as well as a range of papers in peer-reviewed journals. This seminal research has had a lasting impact on the broader field of mathematics education, providing valuable insights for educators and policymakers.

Her theoretical and practice-based innovations, which have paved the way for new and transformative approaches in mathematics education, address two fundamental research problems: the complexities and challenges of teaching and learning mathematics in multilingual classrooms, and the enhancement of professional education for mathematics teachers. The latter came to the fore in the mid-1990s with the demand for "upgrading" the qualifications and teaching quality of secondary mathematics teachers in post-apartheid South Africa. The practical problems were two-fold. Firstly, there was a pressing need to

"upgrade" teachers who had received inadequate education in mathematics during the apartheid era. Determining the appropriate curriculum to address this knowledge gap became a critical consideration. Secondly, there was the challenge of enabling teachers to gain access to graduate study, as their three-year apartheid-era diploma qualifications presented a barrier to further academic advancement.

She took proactive steps to establish a range of transformative higher education programs. Her initiatives were made possible by her accelerated appointment as the Distinguished Sentrachel Professor of Mathematics Education in 1997. These programs were designed to empower the research community to effectively address the challenges at hand. Among these initiatives was the establishment of a Doctoral programme, which played a vital role in creating a vibrant community of practice. Working alongside a dedicated cohort of students, she spearheaded efforts to position mathematics education as a robust research domain within the university, and more broadly in the country. This collaborative and interdisciplinary approach fostered a rich and dynamic research environment where scholars and students alike



could explore innovative approaches to mathematics education and contribute to its advancement. In 2005, Prof Adler established and, for a period, led the renowned Marang Centre for Mathematics and Science Education at Wits. This centre quickly gained a reputation for excellence in postgraduate research and development, attracting students from across the African continent. The Marang Centre became a hub for advanced studies and innovative research, further solidifying Prof Adler’s commitment to enhancing mathematics and science education and empowering educators with the necessary skills and knowledge.

Between 2010 and 2019, as the DSI-NRF SARChI Research and Development Chair in Mathematics Education at Wits, she directed a large professional development project, reaching over 200 secondary mathematics teachers and many learners across 80 schools in Gauteng and researching its impact together with a large research team of Doctoral and postdoctoral Fellows.

Prof Adler is an Honorary Professor at Oxford University and University College London both in the UK. She has published more than 60 peer-reviewed articles and four books; co-edited two special journal issues

and contributed 50 book chapters, achieving more than 7 000 citations and an H-index of 37. She has served on various editorial boards for leading publications such as the *Journal for Research in Mathematics Education* and *Educational Studies in Mathematics*.

Over the course of her 45-year career in teaching and academia, she has garnered numerous accolades in recognition of her contributions to education. These include, among others, the ICMI’s Hans Freudenthal Medal (2015) for an internationally influential and sustained research program in mathematics education; the Svend Pedersen Lecture Award (2015); the ASSAf Gold medal for Science in the Service of Society (2012); and the University of the Witwatersrand Vice Chancellor’s Research Award (2003).

Name	Rating
<b>Agricultural Research Council (South Africa)</b>	
Abutaleb KAA Dr	C3
Halleen F Prof	C1
Makgahlela ML Prof	C3
Myeni L Dr	Y2
Nkosi BD Dr	C2
Peel MJS Dr	C1
Ramukhithi FV Dr	Y2
Wood AR Dr	C2
<b>Cape Peninsula University of Technology</b>	
Adebayo JOA Dr	C2
Bell D Dr	B2
Chigona A Prof	C1
Condy JC Prof	C2
Fester VG Prof	C2
Ismail El Dr	Y2
Jacobs A Prof	C2
Jideani VA Prof	C2
Livingston C Prof	C3
Matoetoe MC Prof	C2
Nchu F Prof	C2
Ojumu TV Prof	C2
Patnaik S Dr	Y2
Periola AA Dr	Y2
Raghubeer S Dr	Y2
Sagbo IJS Dr	Y2
Theo LJ Prof	C3
<b>Central University of Technology, Free State</b>	
Chukwuma CI Dr	C2
Gericke OJ Prof	C2

Name	Rating
Kokt D Prof	C3
Kusakana K Prof	C2
Lues JFR Prof	C3
<b>Centre for the AIDS Programme of Research in South Africa (CAPRISA)</b>	
Archary D Dr	C2
Liebenberg LJP Dr	C2
Sivro AS Dr	C2
<b>Council for Geoscience</b>	
Botha GA Dr	C1
<b>Council for Scientific and Industrial Research</b>	
Anochie-Boateng JK Dr	C2
Lysko AA Prof	C3
Mathe NR Dr	C2
Neeraj Kumar N Dr	Y2
Taljaard S Dr	C2
<b>Durban University of Technology</b>	
Amoah ID Dr	Y2
chisita CT Dr	C2
Davidson IE Prof	C2
Deenadayalu N Prof	C2
Dzwairo B Prof	C2
Linganiso LZ Dr	C2
Maphalala MC Prof	C2
Millham RC Prof	C3
Olugbara OO Prof	C2
Paliathanasis AP Dr	B2
Pillay JD Prof	C2
Rathilal S Prof	C2
Van Niekerk B Dr	C1

Name	Rating
<b>Human Sciences Research Council</b>	
Chikovore J Dr	C2
Dukhi N Dr	Y2
Essack Z Dr	C2
Fongwa NSF Dr	C2
Gordon SLG Dr	Y2
Groenewald CJ Dr	Y2
Kruss-van der Heever G Dr	B2
Makusha Tawanda Dr	C2
Mokhele TA Dr	Y2
<b>NRF-iThembaLABS</b>	
Lawrie EA Dr	B2
<b>NRF-SAIAB</b>	
Mofu L Dr	Y2
Porri F Prof	C1
Snow MA Dr	B2
<b>Mangosuthu University of Technology</b>	
Davies TC Prof	C2
Ebenezer O Dr	Y2
Gumede NJ Dr	Y2
Naidoo D Dr	Y2
Sibiya MN Prof	C2
<b>National Institute for Communicable Diseases</b>	
Cohen C Prof	B2
Smith AM Prof	B2
von Gottberg AM Prof	B1
Weyer J Dr	C2
<b>National Museum, Bloemfontein</b>	
Archer WBDS Dr	C1
Daniel GM Dr	Y1



## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
<b>Nelson Mandela University</b>	
Ajonjebu DC Dr	Y2
Blignaut SE Prof	C2
Connan MA Dr	C2
de Villiers AC Prof	C3
Futcher LA Prof	C1
Haupt TC Prof	C1
Mhlanga SD Prof	C2
Mishi S Prof	C3
Ogunlaja AS Dr	C2
Pichegru L Prof	C1
Pistorius PA Prof	C1
Powell LJ Dr	C2
Rishworth GM Dr	Y2
Scholtz B Prof	C2
Shakantu WM Prof	C2
Strydom NA Prof	C2
Truter I Prof	B3
Van De Venter M Prof	C2
<b>North-West University</b>	
Aremu OA Prof	C1
Ateba CN Prof	C2
Avdeenkov V Dr	C2
Berner JM Prof	C2
Bezuidenhout CC Prof	C2
Bosch C Dr	Y2
Botha KFH Prof	C2
Burger RP Prof	C3
Campbell QP Prof	C1
Chahine IC Prof	C2
Chitimira H Prof	C2

Name	Rating
Cilliers SS Prof	B2
Coetzee D Prof	C2
Coetzer RLJ Prof	C2
Davel MH Prof	C2
de Beer LT Prof	C1
de Jongh PJ Prof	B3
de Sousa LO Prof	C3
de Wet F Dr	C2
Dickason-Koekemoer Z Prof	Y2
Dikobe BT Dr	Y2
Du Preez GC Dr	Y2
Du Toit CG Prof	C1
Du Toit J Mr	Y2
Du Toit MH Dr	Y2
Dudu WT Prof	C2
Ferreira SES Prof	B2
Geduld BW Prof	C2
Gerber RJJ Dr	C3
Gidelew AA Prof	C2
Grigoriev SA Prof	C2
Harvey BH Prof	B1
Jaars K Dr	Y2
Kotzé GR Prof	C1
Kramer M Dr	Y2
Kruger HS Prof	C1
Kruger JH Prof	C2
Kruger R Prof	C1
Linde BJ Prof	C2
Lombard MJ Prof	C2
Louw R Prof	C1
Maboeta MS Prof	B3

Name	Rating
Mabvurira V Prof	Y2
Majewska RM Dr	C1
Matiza T Dr	Y2
Matthew GD Dr	Y2
Middelberg SL Prof	C3
Moss SJ Prof	C2
Mukwevho E Prof	C2
Naicker W Prof	C2
Nchindila BM Prof	C3
Nel M Prof	C1
Obodo KO Dr	C2
Olivier JAK Prof	C2
Omotayo AO Dr	C2
Onwudiwe DC Prof	C2
Ouma CNM Dr	C2
Petersen NT Prof	C2
Schenk SJ Prof	Y2
Smit MH Prof	C2
Smit NJ Prof	B1
Snyman DP Dr	Y2
Soyapi CB Dr	C2
Stacey CL Dr	Y2
Stander MW Prof	C2
Strydom S Dr	Y2
Tchepmo Djomegni PM Dr	C2
Useh U Prof	C2
van Aswegen (Drewes) M Dr	C2
Van der Merwe M Prof	C1
Van der Vaart L Prof	Y2
Van Dyk TJ Prof	C2
van Heerden PMS Prof	C3

## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
Van Huyssteen GB Prof	B2
Van Rooy AJ Prof	B2
van Zyl PG Prof	C1
Viljoen AH Dr	Y1
Viljoen G Prof	Y2
Zaaiman SJ Prof	C2
<b>Rhodes University</b>	
Bennett WG Dr	B3
Booyens DD Dr	Y2
Kadye WT Prof	C2
Khumalo SA Dr	Y2
Knowles KL Dr	Y1
Krause RWM Prof	C2
McKenna SM Prof	B2
McLoughlin N Prof	B2
Nkomo D Prof	C1
Paterson ID Prof	C1
Prevec SA Prof	C3
Raubenheimer L Prof	C3
Schudel IJ Dr	C2
White SV Dr	C2
Wilmut KD Dr	Y1
<b>Sefako Makgatho Health Sciences University</b>	
Govender SM Dr	Y2
Kluyts H Prof	C2
Mkolo NM Dr	Y2
Mokwena KE Prof	C2
OBI CL Prof	C1
Seheri LM Prof	C1

Name	Rating
<b>Sol Plaatje University</b>	
Gukurume S Dr	Y1
M'pika Massoukou RY Dr	C3
Omoruyi O Dr	Y2
<b>NRF-SAIAB</b>	
Mofu L Dr	Y2
Porri F Prof	C1
Snow MA Dr	B2
<b>Stellenbosch University</b>	
Adendorff EM Dr	C3
Albertyn RM Prof	C2
Alfeus M Dr	Y2
Allwood BW Prof	B2
Auerswald L Prof	C2
Bardien-Kruger S Prof	C1
Benjamin RAM Dr	Y2
Bezuidenhout J Prof	C2
Boggenpoel ZT Prof	C1
Bonato M Dr	C2
Bowers Du Toit NF Prof	C2
Bruwer JDW Prof	B1
Carr JA Prof	C1
Chellan P Dr	C3
Clements HS Dr	Y1
Cleophas FJ Dr	C2
Cluver CA Prof	C1
Daniels D Prof	C2
Davidson DB Prof	B2
de Villiers AJ Prof	B1
Divol BT Prof	C1
Dramowski A Prof	C2

Name	Rating
Dzikiti MD Dr	C2
Egieya M Dr	Y2
Fischer B Prof	B1
Gierdien MF Prof	C2
Glanzmann B Dr	Y2
Goedhals-Gerber LL Prof	C2
Goussard P Prof	B3
Gouws A Prof	B2
Gray JRA Dr	C1
Grobler J Prof	C3
Hale NP Prof	B3
Hamann MH Dr	Y1
Hardie-Pieters AG Dr	C2
Havenga MJ Dr	Y2
Hemmings SMJ Prof	C1
Hui C Prof	B2
Human GJP Prof	C2
Jones C Dr	C3
Kaschula CH Dr	C2
Khan W Prof	C1
Kleinert A Dr	C2
Kotze T Dr	Y2
Kuhn SW Dr	Y2
Landi P Dr	C2
Le Cordeur MLA Prof	C2
Lederer AS Prof	B3
Lesch E Prof	C2
Lubbe S Prof	B2
Lupton-Smith AR Dr	Y2
Makinde OD Prof	B3
Makunga NP Prof	C1



## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
Manley M Prof	C1
Mills AJ Prof	C2
Moodley Y Dr	C2
Muller R Dr	C1
Ncube G Dr	C1
Neethling PH Dr	C2
Phalafala PM Dr	Y1
Plastow NA Dr	C2
Plön S Dr	C1
Robinson-Smythe TB Prof	C1
Schulz Herzenberg CG Dr	C1
Schwarz CE Prof	B3
Simon CA Prof	C2
Smith AM Dr	Y1
Solomons RS Prof	C1
Swanepoel PA Dr	C2
Terblanche JS Prof	B1
Uren CP Dr	Y2
van Asch B Dr	C2
van der Spuy SJ Prof	C1
van der Vyver C Dr	C2
van der Waag IJ Prof	B2
van Otterlo WAL Prof	B2
van Schalkwyk C Dr	Y2
van Wilgen BW Prof	B1
van Zijl GPAG Prof	B2
Visser GE Prof	B2
Viviers S Prof	C2
von Fintel DP Prof	C2
Weigel H Prof	B3
Wolff KE Prof	C2

Name	Rating
<b>Tshwane University of Technology</b>	
Maboko MM Dr	C2
Makgopa K Dr	C2
mbaya RKK Prof	C2
Onyango MS Prof	C2
Shatalov MY Prof	C2
Sidogi P Dr	Y2
Van Wyk BJ Prof	C2
<b>University of Cape Town</b>	
Abiodun BJ Prof	B3
Adams S Prof	Y2
Amar A Dr	B2
Barendse PS Prof	C2
Brombacher F Prof	B1
Buys JM Dr	Y1
Chung Kim Yuen S Dr	B3
Cohen K Prof	C1
Colvin CJ Prof	C2
Cunningham SJ Dr	C1
Denti P Prof	C1
Du Toit F Prof	B1
Dunsby PKS Prof	B1
Hapgood JP Prof	B1
Heckmann JM Prof	C1
Hoadley UK Prof	B3
Hsu N Dr	C2
Hutchison AJ Prof	C2
Hutton T Dr	Y2
Ingle RA Dr	C2
Jeebhay MF Prof	C1
Kuttel MM Prof	C1

Name	Rating
Lecour SC Prof	B2
Lipinska M Dr	Y1
Marais PC Prof	C2
Marco HG Dr	B3
Masango CA Dr	C3
Maswime TMS Prof	Y2
Mhakure D Prof	C2
Midgley JJ Prof	B1
Moghayedi A Dr	C2
Murcott MJ Prof	Y1
Mutsvangwa TEM Prof	C2
Nyamnjoh FB Prof	B1
Odoulami RC Dr	Y1
O'Farrell PJ Dr	C1
Olalere OE Dr	Y2
Oliver CL Dr	C2
Ouma CEW Dr	C1
Parker RE Prof	C1
Pillay P Prof	B1
Roodt S Dr	C3
Rousseau PG Prof	C1
Seebregts CJ Dr	C2
Senekal M Prof	C2
Simpson NPS Dr	Y1
Toska ET Dr	Y2
van Steen EWJ Prof	B1
Van Walbeek CP Prof	C1
Woudt PA Prof	B1
Wynberg RP Prof	B1
Yssel AEJ Dr	Y2
Zuhlike LJ Prof	B2

## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
<b>University of Fort Hare</b>	
Ahia CC Dr	Y2
Jaja IF Dr	Y1
Kalumba AM Dr	C3
Mbese JZ Dr	Y2
Ngarava S Dr	Y2
Olivier A Prof	C1
Overen OK Dr	Y2
Simatele MC Prof	C2
Sumner PD Prof	C2
<b>University of Johannesburg</b>	
Adebo JA Dr	Y2
Adebo OA Prof	Y1
Adedeji PA Dr	Y2
Aghimien DO Dr	Y2
Alaneme KK Prof	C2
Ballard RJ Dr	B3
Bonga-Bonga L Prof	C2
Caruana MVC Dr	C2
Chandran R Dr	Y2
Chileshe N Prof	B1
Crous AM Dr	Y2
Darkwa J Prof	B3
Dhanpat N Prof	Y2
Dhilip Kumar SS Dr	C2
Diale BM Prof	C2
Downing C Prof	C2
du Plessis PJ Prof	C2
Dundu M Prof	C2
Farber LN Prof	C1
Fawole OA Prof	B2

Name	Rating
Fritz JJJM Dr	B1
Gbashi S Dr	Y2
Gilbert BM Dr	Y2
Greyling T Prof	B3
GUPTA K Prof	C2
Gusain RG Dr	Y2
Hamblin MICHAEL Prof	B2
Heame GR Prof	B2
Hobbs PA Dr	C2
Hoole C Prof	C3
Hoorzook KB Dr	Y2
Jansen van Vuuren B Prof	C1
Jarbandhan DB Prof	C2
Kearney A Prof	C2
Kraemer Mbula E Prof	C2
Kruger CA Dr	Y2
Lema R Prof	C2
Lotter MG Dr	Y1
Matlou GG Dr	Y2
Mdluli PS Prof	C2
Mestry R Prof	C2
Moodley J Dr	Y2
Moteetee NA Prof	C2
Mpedi LG Prof	B3
Muller AJ Prof	C2
Nalla S Prof	C2
Ndzendze B Dr	Y1
Neels JL Prof	B1
Ngobese NZ Prof	Y2
Nordstom JN Prof	B1
Ogundele OM Dr	Y2

Name	Rating
Olaleye A Prof	C2
Opper AW Mr	C2
Oskolski A Dr	C1
Oyedeki AB Dr	Y2
Palmary IA Prof	B3
Paton DM Prof	C1
Plater LA Prof	C2
Pitsillides A Prof	B1
Pradhan A Dr	C2
Pretorius JD Prof	C2
Rathebe PC Dr	Y2
Reddy L Prof	C3
Rodny-Gumede Y Prof	C2
Sefotho MM Prof	C2
Shongwe TC Prof	C2
Sillanpaa MET Prof	B1
Smart BTH Prof	C1
Swart TG Prof	B3
Teske PR Prof	B3
Vadapalli HB Prof	C3
Van Breda AD Prof	B2
Van Wyk BE Prof	B1
Von Solms S Prof	C2
Warmbier R Dr	C2
Woldegiorgis ET Prof	C3
Zimba ZF Dr	Y2
<b>University of KwaZulu-Natal</b>	
Abia Akebe LK Prof	C2
Agrawal NA Dr	Y1
Akerman MP Prof	C2
Baiyegunhi LJS Prof	C2



## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
Bengesai AV Dr	C3
Bester LA Dr	C2
Bytebier BLG Dr	C1
Clarke DL Prof	C1
Dlova NC Prof	B2
George GL Prof	C2
Gopal ND Prof	C2
Gordon ML Prof	C2
Gubba A Prof	C2
Hansraj S Prof	C2
Hlongwa NP Prof	C2
Kidd MA Prof	C2
Kirkman KP Prof	B3
Kumalo HM Dr	Y2
Lokhat D Prof	C2
Ma Y Prof	B3
Mabhaudhi T Prof	B2
Macdonald A Dr	C3
Martincigh BS Prof	C2
Masondo ST Prof	C2
Mhlongo NN Dr	Y2
Misra SK Dr	C2
Modi AT Prof	C2
Mudaly R Prof	C2
Mudaly V Prof	C2
Mudhara M Prof	C2
Munsamy AJ Dr	C2
Mutanga O Prof	B2
Mvubu NE Dr	Y2
Naidoo M Prof	C2
Naude MJA Prof	C2

Name	Rating
Niesler CU Prof	C2
Pillay CS Dr	C1
Ramdhani S Dr	C2
Ramrathan P Prof	C2
Ramroop S Prof	C2
Ramsuran V Prof	C1
Reddy PS Prof	B3
Ruggunan SD Prof	C2
Savage MJ Prof	C2
Shozi B Dr	Y1
Sibanda P Prof	C1
Sibiya J Prof	C1
Singh S Prof	C2
Siwela M Prof	C2
Srivastava VM Prof	C3
Suleman F Prof	C1
Swier GHM Prof	C2
Tesfay SZ Prof	C2
Tsvuura Z Dr	C2
Turner NS Prof	C2
van der Niet T Prof	B3
Van der Walt C Prof	C2
Van Heerden FR Prof	C1
van Staden DB Dr	C2
van Staden J Prof	B1
Venkataraman S Prof	C1
Xu H Prof	C1
<b>University of Limpopo</b>	
Addo-Bediako A Prof	C2
Baiyegunhi C Dr	C2
Dippenaar SM Prof	C2

Name	Rating
Kugara SL Dr	Y2
Maposa D Prof	C2
Nel KA Prof	C2
Rapatsa MM Dr	Y2
Saeidi AS Dr	C3
<b>University of Mpumalanga</b>	
Forssman TR Dr	C2
Musara M Dr	Y2
Parker DM Prof	C2
<b>University of Pretoria</b>	
Adebesin TF Dr	C3
Amadi-Echendu JE Prof	C2
Arashi MA Prof	C2
Awoyemi BS Dr	Y2
Ayomoh MKO Dr	C3
Barrett-Berg MJ Dr	Y2
Bello F. G Dr	C3
Beukes JW Dr	C2
Bezuidenhout C Prof	C2
Bloomer P Prof	C2
Breed CA Dr	C2
Breitenbach MC Prof	C2
Brown GJ Dr	Y2
Chirwa PWC Prof	C1
Cornelius SJ Prof	B2
Cosa S Dr	C2
Craig IK Prof	B2
Cukrowski I Prof	C1
Daramola MO Prof	C2
De Freitas A Dr	Y2
De Lange JH Dr	Y2

## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
De Villiers C Prof	C2
du Plessis RF Dr	Y1
Du Rand GE Prof	C1
Du Toit E Prof	C3
Du Toit ES Prof	C2
Duong AT Dr	C2
Eccles R Dr	Y2
Eloff I Prof	B2
Engelbrecht JC Prof	B3
Fombad CM Prof	B1
Fosgate GT Prof	B2
Fosu K Prof	C1
Gandhi M Dr	B3
Ganswindt A Prof	B2
Garbers-Craig AM Prof	C1
Gokul JK Dr	Y2
Greeff JM Prof	B3
Guambe CJ Dr	Y2
Heyns PS Prof	B2
Inglesi-Lotz R Prof	C1
Jansen Van Rensburg C Dr	C3
Jordaan AC Prof	C2
Joubert JW Prof	C1
Kasonga AE Dr	Y2
Kikianty E Dr	C2
Kistner U Prof	C1
Kruger K Prof	C2
Krüger TPJ Prof	C1
Lavery CM Dr	C2
Le Roux WG Prof	C2
Le TL Dr	C1

Name	Rating
Lutermann H Dr	C2
Mabugu MR Prof	C1
Madanha SY Dr	Y2
Malan FP Dr	Y2
Manyala NI Prof	C1
Mapossa AB Dr	Y2
Maree DJF Prof	C2
Maree JG Prof	B1
Marima RM Dr	Y2
Mayaphi SH Prof	C2
Mazenda A Dr	Y2
McCluskey WJ Prof	B1
Michel AL Prof	B1
Mokomane ZS Prof	C2
Mostert PG Prof	C2
Mostert RJ Prof	C2
Mumoki FN Dr	Y2
Musekiwa A Prof	C2
Ndlovu N Dr	C2
Nilsen AG Prof	B3
Odendaal L Dr	C2
Oguttu AW Prof	C1
Oosthuizen MC Prof	C1
Parr CL Prof	B1
Parry BR Dr	Y2
Pretorius B Dr	C2
Radcliffe JF Dr	Y1
Read DA Dr	Y2
Sandwith CL Prof	C1
Selomane AO Dr	Y1
Sharifur M Prof	C2

Name	Rating
Sibanda N Dr	Y2
Smit A Dr	Y2
Smith L Prof	C1
Stafford GI Dr	C3
Stevens GP Prof	C2
Theron LC Prof	B1
Thom JF Dr	C2
Twilley D Dr	Y2
van den Berg N Prof	C1
Van Der Waals JE Prof	C1
Van Heerden CM Prof	B2
Van Heerden H Prof	C1
Van Vuuren JJ Prof	C2
Vandeyar S Prof	C1
Vandeyar T Prof	C2
Wege M Dr	Y1
Wielenga C Dr	C2
Wocke A Prof	C2
Yusuf AA Prof	C2
<b>University of South Africa</b>	
Adesina JOT Prof	B1
Anthony AM Dr	Y2
Biccard P Prof	C2
Bosch SE Prof	C1
Brown LR Prof	C1
Cassim R Prof	C2
Dames GE Prof	C2
De Villiers JH Prof	Y2
Deane T Prof	C2
Debushe LK Prof	C2
Dednam W Dr	Y2



## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating	Name	Rating	Name	Rating
Doherty TM Prof	C1	Ndimande S Prof	C3	Horn K Dr	C2
Dube S Prof	C3	Ndofirepi TM Dr	Y2	Hugo CJ Prof	C2
Ebhuoma E Dr	Y2	Ngole-Jeme M Prof	C2	Kigozi NG Prof	C3
Govender D Prof	C2	Nhamo G Prof	C1	Le Roux JJ Dr	C2
Herbig FJW Prof	C3	Oliver E Prof	C2	Makombe R Prof	C2
Jafari H Prof	C3	Oyewo OA Dr	Y2	Manase I Prof	C2
Kefeni KK Prof	C2	Padayachee K Prof	C2	Matebesi SZ Dr	C2
Kengne P Prof	B1	Potgieter IL Prof	C2	Mkwananzi WF Dr	Y1
Kobo FA Dr	Y2	Quan-Baffour KP Prof	C3	Mubangizi JC Prof	C2
Lebelo SL Prof	C3	Ray SC Prof	B2	Muller M Dr	Y2
Letseka M Prof	C2	Robinson Z Prof	C2	Noble JA Prof	C2
Liebenberg EC Prof	B2	Rwelamila PMD Prof	B2	Nyoni CN Dr	Y2
Liebenberg NONE Dr	C1	Scherman V Prof	C2	Nzima D Dr	Y2
Lombardi EB Prof	C2	Sewdass N Prof	C2	O'Neill HG Prof	C1
Loveday M Dr	B3	Taole MJ Prof	C3	Pilosof R Dr	B3
Machisa MT Dr	Y2	Thwala WD Prof	C2	Roelofse F Prof	C2
Madonsela FS Prof	C2	Tyalu SM Prof	Y2	Rossouw MP Dr	Y2
Makina D Prof	C2	Van Staden CJ Dr	C3	Senekal BA Dr	C2
Malherbe NRM Dr	Y1	Veeredhi VR Prof	C2	Steenhuisen SL Dr	C2
Maritz JE Prof	C2	Zinatizadeh A Prof	C2	Van Niekerk A Prof	C2
Marutha NS Prof	C2	<b>University of the Free State</b>		Verster P Prof	C2
Mathibe-Neke JM Prof	C2	Alsemgeest L Prof	C2	Visser HG Prof	C2
Mavhandu-Mudzusi AH Prof	C2	Bijohn MIM Dr	Y2	Yagoub MYA Dr	C2
Mbati LSA Dr	C3	Breshears DL Dr	C2	<b>University of the Western Cape</b>	
Meissner R Prof	C2	Brits H Prof	C2	Appunni S Prof	C2
Mkansi M Prof	C1	Brokensha SI Dr	C2	Bagula BA Prof	C1
Mkhize DN Dr	C2	Coetzee E Dr	Y2	Beck SM Prof	B3
Moloi SJ Prof	C2	Conradie MS Dr	C2	Becker JR Prof	C2
Mothoagae ID Dr	C2	De Freitas SA Prof	C2	Beukes DR Prof	C2
Mubiayi MP Dr	C3	de Villiers AR Dr	Y1	Blignaut RJ Prof	C2
Naidoo I Prof	C2	Djoyou Kamga SA Prof	C1	Crowley T Prof	Y2

## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating	Name	Rating	Name	Rating
Dube A Prof	C2	Bodunrin MO Dr	Y1	Masimirembwa C Prof	B2
Durojaye ET Prof	C2	Booyens FLER Prof	C2	Mbajorgu EF Prof	C2
Fatoba OO Dr	C3	Brandt C Dr	C2	Millen AME Prof	C2
Gibbons MJ Prof	B2	Callaghan CW Prof	C3	Mmerekhi D Dr	C2
Isafiade OE Dr	Y2	Camminga B Dr	Y1	Mphako-Banda EG Prof	C2
Jackson DJ Prof	B2	Carter JM Prof	C1	Mulopo LJ Prof	C2
Keyster M Prof	C2	Chikandiwa AT Dr	Y2	Murombo T Prof	C2
Khotseng LE Prof	C2	Coldwell DAL Prof	B3	Ndlovu S Prof	C1
Leibbrandt DC Dr	Y2	Daniels GA Prof	C2	Nkambule TC Dr	C2
Maritz B Dr	C2	De Maayer P Dr	C3	Nthunya LN Dr	Y2
Mayeza ES Prof	C2	De Mello Koch R Prof	B2	Nunez Carrasco LDL Prof	C2
Muller TFG Dr	C2	Dugard JCA Prof	B2	Nwaila GZT Prof	Y1
Nadar S Prof	B3	Duh HI Prof	C2	Nweke EE Dr	Y2
Nanima D Dr	Y2	Durand PM Prof	C1	Nyamupangedengu E Dr	C2
Peck A Dr	C2	Engelbrecht FA Prof	B2	Ojo EO Dr	C2
Puoane TR Prof	C2	Etieyibo EE Prof	C1	Olivier B Prof	C2
Shefer T Prof	B1	Ferreira Correia A Dr	Y1	Onoya D Dr	C2
Swanepoel C Dr	Y2	Fritz C Prof	C2	Otieno MBO Prof	C2
Swart I Prof	B3	Glennon KL Dr	C1	Pandian R Dr	C3
Viljoen S Prof	C2	Govender NP Prof	B1	Polese C Prof	B3
Yu KCD Prof	C2	Guo BZ Prof	B1	Reynolds C Dr	Y1
<b>University of the Witwatersrand</b>		Harrop-Allin S Dr	C3	Ripamonti U Prof	B2
Adegun OB Dr	Y2	Hobden CL Dr	Y1	Roos R Prof	C2
Aharonson V Prof	C1	Kandala NB Prof	C2	Rossouw L Dr	Y1
Akinsomi OA Prof	C2	Kenny BC Prof	B3	Rumbold K Prof	C2
Archibald ML Prof	C2	Klaaren JE Prof	B2	Rusznayak L Prof	C2
Augustine TN Dr	C2	Kollamparambil U Prof	C2	Scribante J Prof	C2
Babae S Dr	Y2	Kutela D Dr	C2	Shkatov D Prof	C1
Bajinath S Dr	Y1	Landau LB Prof	B1	Simo Y Dr	C2
Besharati S Dr	C1	Marshal JP Prof	C2	Van der Merwe JW Prof	C2
Billings BK Dr	Y2	Maseko BC Dr	C2	Van Staden MJ Prof	Y2



## Researcher Rated During the 2023 Rating Cycle (Other Categories)

Name	Rating
Venter WDF Prof	B1
Walton EL Prof	B2
Watson BA Prof	B2
Williams VL Dr	C1
Zitzke E Dr	Y1
<b>University of Venda</b>	
Amaechi KE Dr	Y2
Bessong PO Prof	C1
Diko Makia L Dr	C2
Foord SH Prof	C2
Hoffman AN Prof	C3
Kabue JP Dr	C3
Kgari-Masondo MC Dr	C3
Kyei KA Mr	C2
Mulovhedzi SA Dr	C3
Munzhedzi PH Dr	C2
Olofinbiyi SA Dr	Y2
Ramathuba DU Prof	C2
Shateyi S Prof	C2
Tshisikhawe MP Prof	C3
<b>University of Zululand</b>	
Fon FN Prof	C3
Jiyane GV Prof	C2
Masoga MA Prof	C1
Matadi MB Prof	C2
Moyo I Prof	C2
Nomlomo V Prof	C2
Ocholla DN Prof	C2
Stewart PF Prof	C2
van Bijon A Dr	Y2

Name	Rating
<b>Vaal University of Technology</b>	
Lebelo RS Dr	C2
Osifo PO Prof	C2
Tengen TB Prof	C3
<b>Walter Sisulu University</b>	
Adeniyi OV Dr	C2
Enongene MS Prof	C2
Garidzirai R Dr	Y2
Kabiti HM Dr	Y2
Kang'ethe SM Prof	C2
Manganyi MC Dr	Y2
Ndebia EJ Prof	C3
Omodan BI Dr	Y2
Shukla RS Dr	Y2
Sibanda K Dr	Y2





National  
Research  
Foundation

# AWARDS 2023

*Celebrating*

**20 YEARS OF THE SKA  
PROJECT IN SOUTH AFRICA**



NRF Building, South Gate  
CSIR Complex, Meiring Naudé Road  
Brummeria, Pretoria  
South Africa



+27 (0)12 481 4000



info@nrf.ac.za



www.nrf.ac.za



@NRFSouthAfrica



@NRF\_News



The National Research Foundation  
of South Africa (NRF)



@NationalResearchFoundation



science & innovation

Department  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA