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NSTF-South32 Awards

Today's research ... tomorrow's innovation

Nominees announced: 2022/2023 NSTF-South32 Awards

Recognising outstanding contributions to science, engineering and technology (SET) and innovation by individuals, teams and organisations in South Africa

The [National Science and Technology Forum \(NSTF\)](#) is pleased to announce the group of nominees contending for the 25th prestigious [NSTF-South32 Awards](#).

The NSTF-South32 Awards: The NSTF Awards were established in 1998 as a collaborative effort to recognise and promote outstanding contributions to science, engineering and technology (SET) and innovation by SET-related professionals, teams and organisations in South Africa (SA). This includes experienced researchers, engineers, innovators, science communicators, engineering research capacity builders, and organisational managers/leaders, as well as data and research managers.

Our partner: [South32](#) is a resources company and longstanding partner of the NSTF Awards, anchoring this endeavour to ensure the [non-profit activities](#) of the NSTF.

The 'Science Oscars' of SA: The [NSTF-South32 Awards](#) are known as the 'Science Oscars' of South Africa. They are the largest, most comprehensive, and most sought-after national awards of their kind in the country. They were also the first science awards in the country.



Special Annual Theme Award: The NSTF's theme for 2023 is **Ocean science for sustainable development**. This is in recognition of the [United Nations \(UN\) decade of Ocean Science for Sustainable Development](#). The NSTF is making a special award recognising contributions in this regard. The 25th annual [Awards Gala Event](#) taking place on **13 July 2023** will celebrate this theme – save the date and watch your mailbox for further announcements.

What's new this year?

The NSTF supports the principle of collaborative, widely-inclusive awards. The NSTF is proud to welcome new partners and prize sponsors as follows.

- **NEW NSTF-SAMRC Clinician-Scientist Award:** The South African Medical Research Council (SAMRC) is sponsoring a new award for an outstanding contribution by a [clinician-scientist](#), with a focus on work to enhance life and to improve the health of the community. This new category is modelled on the emerging researcher category.
- **NEW SAYAS as a new prize sponsor:** The South African Young Academy of Science (SAYAS) is the new prize sponsor for the [TW Kambule-NSTF Emerging Researcher category](#). Prizes of R20 000 each will be awarded to the two winners to supplement their research funding.
- **A prize for an established category:** The [TW Kambule-NSTF Researcher category](#) now has a prize sponsor for the first time, which is proSET (the Professional Bodies and Learned Societies sector of the NSTF). The prize money is R20 000 to supplement the winner's research funding.

The NSTF's vision

Transformed country where SET and innovation contribute to a high quality of life for all who live in South Africa, where the profile of SET professionals is representative of the population's profile and where the education system is effective, particularly in terms of performance in STEM subjects and promoting innovation. (STEM = science, technology, engineering and mathematics.)

Realising the vision: The NSTF-South32 Awards is the NSTF's flagship event and one among [other strategic activities](#) through which the NSTF realises this [vision](#).

Partnerships for specific awards (such as with the [Water Research Commission](#) (WRC), [National Intellectual Property Management](#) (NIPMO), [Eskom](#) and the [SAMRC](#)) recognise contributions that have the potential to make a [positive impact on South Africa](#), and on the world.

2022/2023 NSTF-South32 Awards nominees

Join the NSTF [membership](#) and pioneering [partners/sponsors](#) in applauding the 2022/2023 NSTF-South32 Awards [nominees](#). These are individuals, teams and organisations, as applicable, who are nominated for an **outstanding contribution to SET and innovation in South Africa** under the [categories](#) below:

- *An asterisk (*) at the end of the citation of the nominee indicates that a nominee has been nominated under more than one category and mentions the applicable category/ies*
- *Listed alphabetically according to surname of nominee or name of team/organisation under each category*

1. [Lifetime Award](#)

- **Prof Fernando Albericio** – Research Professor: Department (Dept) of Chemistry and Physics, University of KwaZulu-Natal (UKZN); and Emeritus Full Professor: University of Barcelona, Spain; and *also in the Special Annual Theme category**
- **Prof Isabelle Ansoorge** – Professor and Head of Dept: Oceanography, University of Cape Town (UCT); and Principal Investigator: SEAmester; and *also in the Management and Special Annual Theme categories**
- **Prof Nigel C Bennett** – Chair: Austin Roberts of Mammalogy, University of Pretoria (UP); and Professor: Zoology, Dept of Zoology and Entomology, UP
- **Prof Paxie W Chirwa** – Chair and Director: Forest Postgraduate Programme, UP
- **Prof Clive Gray** – Professor: Immunology in Molecular Biology and Human Genetics, Stellenbosch University (SU); and Emeritus Professor: Immunology, UCT
- **Prof Juliet Hermes** – Professor: Dept of Oceanography, UCT; and Honorary Professor: Institute of Coastal and Marine Research, Nelson Mandela University (NMU); and Manager: Egagasini Node, South African (SA) Environmental Observation Network (SAEON); and Acting Manager: SA Polar Research Infrastructure, SAEON; and *also in the Special Annual Theme category**
- **Prof Diane Hildebrandt** – Distinguished Professor: Future Energy, University of the Witwatersrand (Wits); and Director: International Joint Research Laboratory, Hebei University of Science and Technology, China; and Director: Keqiao Green Energy Joint Laboratory, Zhejiang College, Zhejiang University of Technology, China
- **Prof Jonathan Jansen** – Distinguished Professor: Education, SU; and President: Academy of Science of South Africa (ASSAf); and *also in the Management category**
- **Mr Tony Kock** – Managing Director: High Innovative Minds; and formerly Chairperson: Galeshewe Maths, Science and Technology Youth Network, Kimberley, Sol Plaatje; and *also in the Innovation: Corporate Organisation and Non-Governmental Organisation categories**
- **Prof Francesco Pettrucione** – Professor: Quantum Computing, School of Data Science and Computational Thinking, SU; and Interim Director: National Institute (Inst) for Theoretical and Computational Sciences (NITheCS), SU; and 'Fractional' Professor, School of Chemistry and Physics, UKZN; and Chair: Department of Science and Innovation (DSI) / National Research Foundation (NRF) South African Research Chair Initiative (SARChI) in Quantum Information Processing and Communication, UKZN

- **Prof Judy van Biljon** – Chair: DSI/NRF SARChI in ICT4D, University of Johannesburg; and Research Professor: School of Computing, University of South Africa (Unisa); and Chairperson: SA Chapter, International Network for Postgraduate Students in the area of ICT4D (IPID); and Chairperson: International Development Informatics Association
- **Prof Brenda D Wingfield** – Chair: DSI/NRF SARChI in Fungal Genomics; and Professor: Dept of Biochemistry, Genetics and Microbiology, Forestry and Agricultural Biotechnology Institute (FABI), UP

2. **TW Kambule-NSTF Award: Researcher**

NEW Prize sponsor: proSET (Professionals in SET), a sector of the NSTF representing more than 40 professional societies

- **Prof Ryan Blumenthal** – Senior (Sr) Specialist Forensic Pathologist and Associate Professor: Department (Dept) of Forensic Medicine, University of Pretoria (UP); and *also in the Communications and Special Annual Theme categories**
- **Prof Hindrik Bouwman** – Professor: Zoology, School of Biological Sciences and Research Unit for Environmental Sciences and Management, North-West University
- **Prof Novel N Chegou** – Professor: Division of Molecular Biology and Human Genetics, Dept of Biomedical Sciences, Faculty of Medicine and Health Sciences, Stellenbosch University (SU)
- **Prof Ling Cheng** – Professor: School of Electrical and Information Engineering, University of the Witwatersrand (Wits); and *also in the Engineering Research Capacity Development category**
- **Prof Kirsten Corin** – Associate Professor: Centre for Minerals Research, Dept of Chemical Engineering, University of Cape Town (UCT)
- **Prof Michael O Daramola** – Professor and Head: Dept of Chemical Engineering, Faculty of Engineering, Built Environment and Information Technology, UP; and *also in the Engineering Research Capacity Development category**
- **Prof Andrew Green** – Professor: Marine Geology, University of KwaZulu-Natal (UKZN); and Visiting Professor: University of Ulster, Northern Ireland; and *also in the Special Annual Theme category**
- **Prof Mohamed Shahidul Islam** – Professor: Biochemistry; and Academic Leader: Biotechnology Cluster, School of Life Sciences, UKZN
- **Prof Alex T Kuvarega** – Professor: Institute for Nanotechnology and Water Sustainability, College of Science, Engineering and Technology, University of South Africa (UNISA)
- **Dr Gerald Maarman** – Sr Lecturer: Division of Medical Physiology, SU
- **Prof Nobanathi W Maxakato** – Associate Professor: Dept of Chemical Sciences, University of Johannesburg (UJ)
- **Prof Ajay K Mishra** – Group Leader: Research Area “Nanomaterials and Wastewater”; and Professor: Dept of Chemistry, Durban University of Technology (DUT); and *also in the Water Research Commission category**
- **Prof Marlo Möller** – Professor: Centre for Tuberculosis Research, South African Medical Research Council (SAMRC); and Department of Science and Innovation (DSI) / National Research Foundation (NRF) Centre of Excellence (CoE) for Biomedical Tuberculosis, Research Division, Molecular Biology and Human Genetics (MBHG), Dept of Biomedical Sciences, SU; and Associate Member: Centre for Bioinformatics and Computational Biology, SU
- **Prof Nosipho Moloto** – DSI/NRF/Nedbank SARChI Chair in Energy Materials, Wits; Research Professor: Inorganic Chemistry, Wits; and Deputy Director: African Research Universities Alliance, CoE in Materials, Energy and Nanotechnology, Wits; and *also in the Engineering Research Capacity Development category**

- **Prof Onesimo Mutanga** – Professor: Remote Sensing, UKZN; and Chair: DSI/NRF SARCHI in Land Use Planning and Management, UKZN; and *also in the Engineering Research Capacity Development category**
- **Prof Samuel O Oluwafemi** – Project Leader: Nanomaterials Synthesis and Applications Laboratory, Dept of Chemical Sciences (formerly Applied Chemistry), UJ
- **Dr Mohan Turup Pandurangan** – Sr Lecturer: Dept of Mechanical Engineering, DUT and *also in the Special Annual Theme category**

3. TW Kambule-NSTF Award: Emerging Researcher

NEW Prize sponsor: South African Young Academy of Science (SAYAS)

- **Dr Ndzondolelo S Bingwa** – Senior (Sr) Lecturer and Deputy Head: Department (Dept), Chemical Sciences, University of Johannesburg (UJ); and Deputy Director: Research Centre for Synthesis and Catalysis, UJ
- **Dr Kimberley (Kimi) Chapelle** – Postdoctoral Fellow: Department of Science and Innovation (DSI)/ National Research Foundation (NRF): GENUS Next Generation Palaeoscientist Grant, Evolutionary Studies Institute (Inst), University of the Witwatersrand (Wits)
- **Dr Terusha Chetty** – Specialist Clinician Scientist: HIV and Other Infectious Diseases Research Unit, South African Medical Research Council (SAMRC); and *also in the Emerging Researcher and Clinician-Scientist categories**
- **Dr Francois J Cleophas** – Sr Lecturer: Division of Sport Science, Stellenbosch University (SU)
- **Dr Rachael Dangarembizi** – Sr Lecturer: Dept of Human Biology/Neuroscience Inst, Faculty of Health Sciences, University of Cape Town (UCT)
- **Prof Usisipho Feleni** – Associate Professor and Thematic Area Leader: Applied Electrochemistry, Inst for Nanotechnology and Water Sustainability, University of South Africa (UNISA)
- **Prof Blassan George** – Associate Professor: Laser Research Centre, Faculty of Health Sciences, UJ
- **Dr Abe S Gerrano** – Sr Researcher (Sr Plant Breeder): Vegetables, Industrial and Medicinal Plants, Agricultural Research Council
- **Dr Mubeen Goolam** – Lecturer: Human Biology, Dept of Human Biology, UCT
- **Dr Sabelo Hadebe** – Sr Lecturer: Division of Immunology, Dept of Pathology, Faculty of Health Sciences, UCT
- **Dr Daniel W Hart** – Sr Research Fellow: Zoology and Entomology Dept, Faculty of Natural and Agricultural Sciences, University of Pretoria (UP)
- **Dr Emmanuel Kweiyor Tetteh** – Research Fellow and Principal Investigator: Green Engineering and Process Sustainability Research Group, Dept of Chemical Engineering, Faculty of Engineering and Built Environment, Durban University of Technology (DUT); and *also in the Engineering Research Capacity Development, Green Economy, Innovation: Corporate Organisation and Special Annual Theme categories**
- **Dr Gerald Maarman** – Sr Lecturer: Division of Medical Physiology, SU
- **Prof Lawrence Madikizela** – Associate Professor: Analytical and Environmental Research, UNISA; and *also in the Special Annual Theme category**
- **Dr Phetole Mangena** – Sr Lecturer: Dept of Biodiversity, University of Limpopo (UL)
- **Dr Tlou Grace Manyelo** – Sr Lecturer: Dept of Agricultural Economics and Animal Production, School of Agriculture and Environmental Science, UL
- **Mr Mpho E Mashau** – Lecturer: Dept of Food Science Technology, Faculty of Science, Engineering and Agriculture, University of Venda (UNIVEN)
- **Dr Sandiswa Mbewana** – Lecturer: Biopharming Research Unit, Dept of Molecular and Cell Biology, UCT

- **Dr Msizi I Mhlongo** – Sr Lecturer: Dept of Biochemistry, UJ
- **Dr Faith Mkwazi** – Sr Researcher: Higher Education and Human Development Research Group, Development Studies, University of the Free State (UFS)
- **Dr Bernice Monchusi** – Founder: AgriBio Innovations and Hope Arise Centre; and Postdoctoral Researcher: Dept of Biochemistry Microbiology and Biotechnology, UL
- **Prof Shahida Moosa** – Head of Dept: Medical Genetics, Tygerberg Academic Hospital; and Associate Professor: Medical Genetics, Division of Molecular Biology and Human Genetics, SU; and *also in the Emerging Researcher and Clinician-Scientist categories**
- **Dr Velaphi Msomi** – Senior Lecturer: Cape Peninsula University of Technology (CPUT); and Head: Friction Stir Welding and Processing Research Unit, CPUT; and Head: Postgraduate Diploma Programme, CPUT
- **Dr Duduzile Ndwandwe** – Deputy Director and Specialist Scientist: Cochrane South Africa, SAMRC
- **Dr Edward C Netherlands** – Sr Lecturer: Dept of Zoology and Entomology, UFS
- **Ms Kahvhatondwi R Netshiheni** – Lecturer: Dept of Nutrition, Faculty of Health Science, UNIVEN
- **Ms Athule Ngqalakwezi** – Engineer: Research and Development (R&D), Mintek
- **Dr Sisanda Nkoala** – Sr Lecturer: Faculty Language and Transformation Coordinator, Live Large Production, Media Department, CPUT; and *also in the Communication category**
- **Mrs Mafor Penn** – Lecturer: Methodology and Content, Faculty of Education, UJ
- **Dr Michael Pienaar** – Specialist Paediatrician: PICU Pelonomi Tertiary Hospital, Free State Department of Health; and Senior Lecturer: Dept of Paediatrics and Child Health, School of Clinical Medicine, Faculty of Health Sciences, UFS; and Co-Convenor: Ethics and Governance Group, Interdisciplinary Centre for Digital Futures, UFS; and *also in the Clinician-Scientist category*
- **Prof Mpho Raborife** – Associate Professor and Deputy Director: Inst for Intelligent Systems, UJ
- **Dr Daniel Ramotsoela** – Sr Lecturer: Dept of Electrical Engineering, UCT
- **Dr Phoka C Rathebe** – Sr Lecturer: Dept of Environmental Health, Faculty of Health Sciences, UJ
- **Dr Khethobole Sekgota** – Graduate in Training: Rand Water; and Postdoctoral Fellow: UP
- **Dr Fidele Tugizimana** – Lecturer and Research Scientist: Dept of Biochemistry, UJ; and Specialist Scientist: International R&D Division, Omnia Nutriology, Omnia Group Ltd, South Africa
- **Dr Charl Verwey** – Sr Lecturer: Faculty of Health Sciences, Wits; and Head of Division: Paediatric Pulmonology, Wits; and Consultant Paediatric Pulmonologist, Chris Hani Baragwanath Academic Hospital, Johannesburg; and *also in the Emerging Researcher and Clinician-Scientist category**
- **Dr Bjorn von der Heyden** – Sr Lecturer: Dept of Earth Sciences, SU

4. Management Award

- **Prof Isabelle Ansoorge** – Professor and Head of Department: Oceanography, University of Cape Town; Principal Investigator: SEAmester; and *also in the Lifetime and Special Annual Theme categories**
- **Dr Robin Drennan** – Director: Research Development, University of the Witwatersrand

- **Mr Tsietsi E Kgatla** – Lecturer: Food Science and Technology, University of Venda
- **Prof Jonathan Jansen** – Distinguished Professor: Education, Stellenbosch University; and President: Academy of Science of South Africa; and *also in the Lifetime category*

5. Engineering Research Capacity Development Award

Sponsored by Eskom since 2003

- **Prof Ling Cheng** – Professor: School of Electrical and Information Engineering, University of the Witwatersrand (Wits); and *also in the Researcher category**
- **Prof Michael O Daramola** – Professor and Head: Department (Dept) of Chemical Engineering, Faculty of Engineering, Built Environment and Information Technology, University of Pretoria; and *also in the Researcher category**
- **Prof Denis Kalumba** – Associate Professor: Geotechnical Engineering, University of Cape Town (UCT); and Director: Postgraduate Studies, Dept of Civil Engineering, UCT; and Head: Geotechnical Division, UCT; and Director: Geotechnical Research Laboratory, UCT; and *also in the Researcher category**
- **Dr Emmanuel Kweinor Tetteh** – Research Fellow and Principal Investigator: Green Engineering and Process Sustainability Research Group, Chemical Engineering Dept, Faculty of Engineering and Built Environment, Durban University of Technology; and *also in the Emerging Researcher, Green Economy, Innovation: Corporate Organisation and Special Annual Theme categories**
- **Prof Soraya P Malinga** – Associate Professor and Co-Director: Joint Research Centre for Water, Environmental Science and Technology, University of Johannesburg
- **Prof Nosipho Moloto** – Chair: Department of Science and Innovation (DSI) / National Research Foundation (NRF) / Nedbank South African Research Chair Initiative (SARChI) in Energy Materials, Wits; Research Professor: Inorganic Chemistry, Wits; and Deputy Director: African Research Universities Alliance, Centre of Excellence in Materials, Energy and Nanotechnology, Wits
- **Prof Onesimo Mutanga** – Professor: Remote Sensing, University of KwaZulu-Natal (UKZN); and Chair: DSI/NRF SARChI in Land Use Planning and Management, UKZN; and *also in the Researcher category**

6. NSTF-Water Research Commission (WRC) Award

Sponsored by the WRC since 2017

- **Prof John G Annandale** – Group Leader: Mine Water Irrigation Research Group, Department (Dept) of Plant and Soil Sciences, University of Pretoria (UP)
- **Prof Kirsty Carden** – Associate Professor: Dept of Civil Engineering, University of Cape Town (UCT); and Interim Director: Future Water Research Institute, UCT
- **Centre for Water Resources Research (CWRR), University of KwaZulu-Natal (UKZN)** – Prof Jeff Smithers, Director: CWRR; and Umgeni Water Chair in Water Resources Management, Innovation and Research, School of Engineering, College of Agriculture, Engineering and Science, UKZN
- **Prof Patricia Forbes** – Full Professor and Rand Water Chair: Dept of Chemistry, UP
- **Dr Emmanuel Kweinor Tetteh** – Research Fellow and Principal Investigator: Green Engineering and Process Sustainability Research Group, Chemical Engineering Dept, Faculty of Engineering and the Built Environment, Durban University of Technology (DUT); and *also in the Emerging Researcher,*

*Engineering Research Capacity Development, Green Economy, Innovation: Corporate Organisation and Special Annual Theme categories**

- **Prof Ajay K Mishra** – Professor and Group Leader: Research Area “Nanomaterials and Wastewater”, Dept of Chemistry, DUT; and *also in the Researcher category**
- **Rand Water Academy** – Dr Esper Ncube, Acting General Manager: Scientific Services, Rand Water Academy
- **Research and Development Division, Magalies Water** – Prof Vhahangwele Masindi, Manager: Research and Development, Magalies Water
- **Prof Craig Sheridan** – Professor and Director: Centre in Water Research and Development; Claude Leon Foundation Chair in Water Research, School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand

7. [NSTF-SAMRC Clinician-Scientist Award](#)

NEW Sponsored by the South African Medical Research Council (SAMRC)

- **Prof Karin Baatjes** – Associate Professor: Surgery; and Vice-Dean: Learning and Teaching, Faculty of Medicine and Health Sciences, Stellenbosch University (SU)
- **Dr Terusha Chetty** – Specialist Clinician Scientist: HIV and Other Infectious Diseases Research Unit, SAMRC; and *also in the Emerging Researcher category**
- **Prof Andreas Chrysostomou** – Senior Specialist Obstetrician, Gynaecologist and Urogynaecologist: Charlotte Maxeke/Johannesburg Academic Hospital, University of the Witwatersrand (Wits)
- **Dr Tsakane M A G Hlongwane** – Specialist Obstetrician and Gynaecologist: Steve Biko Academic Hospital; and Lecturer and Researcher: Department (Dept) of Obstetrics and Gynaecology, University of Pretoria (UP)
- **Prof Salome Maswime** – Obstetrician, Gynaecologist and Head: Global Surgery, Dept of Medicine, University of Cape Town
- **Prof Shahida Moosa** – Head: Medical Genetics, Tygerberg Academic Hospital; and Associate Professor: Medical Genetics, Division of Molecular Biology and Human Genetics, SU
- **Dr Patrick Ngassa Piotie** – Project Manager: School of Health Systems and Public Health, Faculty of Health Sciences, UP
- **Dr Michael Pienaar** – Specialist Paediatrician: PICU Pelonomi Tertiary Hospital, Free State Department of Health; and Senior Lecturer: Dept of Paediatrics and Child Health, School of Clinical Medicine, Faculty of Health Sciences, University of the Free State (UFS); Co-Convenor: Ethics and Governance Group, Interdisciplinary Centre for Digital Futures, UFS; and *also in the Emerging Researcher category*
- **Dr Leigh van den Heuvel** – Specialist Psychiatrist: Tygerberg Hospital; and Senior Lecturer: Dept of Psychiatry, Faculty of Medicine and Health Sciences, SU
- **Dr Charl Verwey** – Sr Lecturer: Faculty of Health Sciences, Wits; and Head of Division: Paediatric Pulmonology, Wits; and Consultant Paediatric Pulmonologist: Chris Hani Baragwanath Academic Hospital, Johannesburg

8. [Green Economy Award](#)

- **Prof Paidamwoyo Mhangara** – Head: School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand (Wits); and Research and Applications Development Manager: South African National Space Agency (SANSA); and Interim Managing Director: SANSA Earth Observation; and *also in the Special Annual Theme category*

- **Mammal Research Institute (MRI) Whale Unit** – Dr Els Vermeulen, Research Manager: Department of Zoology and Entomology, University of Pretoria; and *also in the Special Annual Theme category*
- **SA Rebuilders (Pty) Ltd** – Dr Maryam Amra Jordaan, Director: National Research Foundation (NRF) Research Administration and Management, Mangosuthu University of Technology; and *also in the Innovation: Corporate Organisation category**
- **Prof Andrew Thatcher** – Professor: Psychology Department, School of Human and Community Development, Wits
- **Prof Rachel Wynberg** – Chair: Department of Science and Innovation / NRF South African Research Chair Initiative in Environmental and Social Dimensions of the Bio-economy; and Professor: Environmental and Geography Sciences, University of Cape Town

9. Data for Research Award

- **Prof Karen I Barnes** – Professor: Division of Clinical Pharmacology, Department (Dept) of Medicine, University of Cape Town (UCT); and Head: Pharmacology Module, Worldwide Antimalarial Resistance Network; and Founding Director: University of Cape Town (UCT) / South African Medical Research Council (SAMRC) Collaborating Centre for Optimising Antimalarial Therapy; and Honorary Visiting Research Fellow: Oxford University
- **Coronavirus COVID-19 (2019 – nCoV) Data Repository for South Africa (SA) – COVID19ZA Volunteers** – Prof Vukosi Marivate, Principal Investigator and Leader: Data Science for Social Impact Research Group, Dept of Computer Science, University of Pretoria
- **Freshwater Biodiversity Information System (FBIS) Team, Freshwater Research Centre (FRC) and Kartoza** – Dr Helen Dallas, Executive Director: FRC; and Team Leader: FBIS, *and also in the Non-Governmental Organisation category**
- **Inter-University Institute for Data Intensive Astronomy (IDIA)**, a partnership of the Universities of Cape Town (UCT), Western Cape (UWC), and of Pretoria (UP), as well as the South African Radio Astronomy Observatory – Dr Russ Taylor, Director: IDIA; and Professor and Square Kilometre Array (SKA) Research Chair, UCT and UWC

10. Innovation Award: Corporate Organisation

- **Banzifeet (Pty) Ltd (spin-out Company from Innovus, Stellenbosch University)** – Prof Ranel R Venter, Founder; and Full Professor: Division of Sports Science, Stellenbosch University
- **Mr Tony Kock** – NTC Jewellery Manufacturing; and Managing Director: High Innovative Minds; and formerly Chairperson: Galeshewe Maths, Science and Technology Youth Network, Kimberley, Sol Plaatje; *and also in the Lifetime and Non-Governmental Organisation category**
- **Dr Emmanuel Kweiyor Tetteh** – Research Fellow and Principal Investigator: Green Engineering and Process Sustainability Research Group, Department (Dept) of Chemical Engineering, Faculty of Engineering and the Built Environment, Durban University of Technology (DUT); *and also in the Emerging Researcher, Engineering Research Capacity Development, Water Research Commission and Special Annual Theme categories**
- **Dr Oluwatoyin J Gbadeyan** – Postdoctoral Fellow: Composite Research Group, Dept of Chemistry, Faculty of Applied Science, DUT
- **The Social Franchising Model Team** – represented by Prof Kevin Wall, Dept of Construction Economics, University of Pretoria

11. Innovation Award: Small, Medium and Micro Enterprise (SMME)

Sponsored by the National Intellectual Property Management Office (NIPMO) since 2019

- **LignOrganic** – Mr Tshepo Mangoele, Chief Executive Officer (CEO) and Founder, Johannesburg
- **Memeza Shout (Pty) Ltd** – Ms Thuli Mthethwa, CEO, Johannesburg
- **Dr Muumbadzi Ntanganedzeni** – Director: Molecular Imaging and Therapy, Polokwane
- **Pegasus Universal Aerospace Team** – Dr Mohamed Reza Mia, Chairman and Founder, Johannesburg
- **SA Rebuilders (Pty) Ltd** – Dr Maryam Amra Jordaan, Director: National Research Foundation Research Administration and Management, Mangosuthu University of Technology; and *also in the Green Economy category*
- **Zambezi Analytics (Pty) Ltd** – Mr Tabani Mtombeni, Founder and CEO

12. Communication Award

- **Prof Ryan Blumenthal** – Senior Specialist Forensic Pathologist and Associate Professor: Department (Dept) of Forensic Medicine, University of Pretoria (UP); and *also in the Special Annual Theme category**
- **Dr Melissa Boonzaaier-Davids** – Assistant Curator: Marine Invertebrates, Iziko Museums of South Africa
- **Ms Anne Chisa** – Science Communicator, Host and Founder: The Root of The Science Podcast, Pietermaritzburg
- **Consulting Engineers South Africa (CESA)** – Mr Chris Campbell, Chief Executive Officer (CEO), Johannesburg; and *also in the Special Annual Theme category**
- **Prof Roger Deane** – Director: University of the Witwatersrand (Wits) Centre for Astrophysics; and Wits Digital Dome Working Group, DSI/NRF SKA South Africa Research Chair in Radio Astronomy
- **Prof Johan Fourie** – Full Professor: Economics, Stellenbosch University
- **Mrs Shakira Hoosain** – Campaign Strategist and Senior Copywriter: Research Matters, University of Pretoria (UP)
- **Dr Martina Jordaan** – Head: Community Engagement Research and Postgraduate Studies, Mamelodi Campus, UP
- **Dr Eurika Thabile Mogane-Jones** – CEO: Tharika M Health Wellness Centre, Nelspruit; and Executive Committee Member: Spa & Wellness Association of Southern Africa
- **Dr Sisanda Nkoala** – Senior Lecturer, Media Department, Cape Peninsula University of Technology
- **Prof Pat Mfanelo Ntsohi** – CEO: Sci-Bono Discovery Centre, Johannesburg; and *also in the Non-Governmental Organisation (NGO) category*
- **Prof Refilwe Nancy Phaswana-Mafuya** – Professor: Epidemiology and Public Health, Faculty of Health Sciences, University of Johannesburg (UJ); and Director: South African Medical Research Council / University of Johannesburg (SAMRC/UJ) Pan African Centre for Epidemics Research (PACER) Extramural Unit
- **South African Child Gauge** – Ms Lori Lake: Communication and Education Specialist, Cape Town
- **Dr Khangelani Wilmoth Sibiya** – Founder: “Where to Start” Maths and Science Tutor, Richards Bay; *see also the NGO category*

13. Non-Governmental Organisation (NGO) Award

- **AIM (Actuaries in the Making) Learning Solutions** – Ms Pamela Hellig, Mr Soshan Soobramoney and Mr Previn Pillay, Co-Founders, Johannesburg
- **Community Keepers** – Mr Gerrit Laning, Chief Executive Officer (CEO) and NGO Representative, Stellenbosch
- **Freshwater Research Centre (FRC)** – Dr Helen Dallas, Executive Director, Kirstenbosch, Cape Town; and *also in the Data for Research category**

- **Mr Tony Kock** – NTC Jewellery Manufacturing; and Managing Director: High Innovative Minds; and formerly Chairperson: Galeshewe Maths, Science and Technology Youth Network, Kimberley, Sol Plaatje; *and also in the Lifetime and Innovation: Corporate Organisation categories**
- **Sci-Bono Discovery Centre** – CEO: Prof Pat Mfanelo Ntsohi
- **Where to Start (WTS) Maths and Science Tutor, Richards Bay** – Mr Sandile Mathebula, Chairperson: WTS Maths and Science Tutor; and Educator: KwaZulu-Natal Department of Education; *see also the Communication category**

14. **Special Annual Theme Award: Ocean sciences for sustainable development**

- **Prof Fernando Albericio** – Research Professor: Department (Dept) of Chemistry and Physics, University of KwaZulu-Natal (UKZN); and Emeritus Full Professor: University of Barcelona, Spain; *and also in the Lifetime category**
- **Prof Isabelle Ansoorge** – Professor and Head: Dept of Oceanography, University of Cape Town (UCT); and Principal Investigator: SEAmester; *and also in the Lifetime and Management categories**
- **Prof Ryan Blumenthal** – Senior (Sr) Specialist Forensic Pathologist; and Associate Professor: Dept of Forensic Medicine, University of Pretoria (UP); *and also in the Researcher and the Communication categories**
- **Consulting Engineers South Africa (CESA)** – Mr Chris Campbell, Chief Executive Officer (CEO); *and also in the Communication category**
- **Prof Andrew Green** – Professor: Marine Geology, UKZN; and Visiting Professor: University of Ulster, Northern Ireland; *and also in the Researcher category**
- **Prof Juliet Hermes** – Professor: Dept of Oceanography, UCT; and Honorary Professor: Institute of Coastal and Marine Research, Nelson Mandela University; and Manager: Egagasini Node, South African (SA) Environmental Observation Network (SAEON); and Acting Manager: SA Polar Research Infrastructure, SAEON; *and also in the Lifetime category**
- **Dr Emmanuel Kweinor Tetteh** – Research Fellow and Principal Investigator: Green Engineering and Process Sustainability Research Group, Chemical Engineering Dept, Faculty of Engineering and the Built Environment, Durban University of Technology (DUT); *and also in the Emerging Researcher, Engineering Research Capacity Development, Green Economy, and Innovation: Corporate Organisation categories**
- **Prof Lawrence Madikizela** – Associate Professor: Analytical and Environmental Research, University of South Africa (UNISA); *and also in the Emerging Researcher category**
- **Mammal Research Institute (MRI) Whale Unit** – Dr Els Vermeulen, Research Manager: Dept of Zoology and Entomology, UP; *and also in the Green Economy category**
- **Prof Paidamwoyo Mhangara** – Head: School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand; and Research and Applications Development Manager, South African National Space Agency (SANSA); and Interim Managing Director: SANSA Earth Observation; *and also in the Green Economy category**
- **Dr Mohan Turup Pandurangan** – Sr Lecturer, Dept of Mechanical Engineering, DUT; *and also in the Researcher category**

Adjudication: The accreditation and selection process for the NSTF-South32 Awards are made by an adjudication panel of independent judges. They represent six different sectors of the [NSTF membership](#). This adjudication panel, in association with the Award [partners](#), review the nominations to select the [finalists](#) and [winners](#) each year. A panel of experts, appointed by the [NSTF Executive Committee](#), assists the panel by reviewing and validating the final selections.

Announcing Awards finalists and winners

The announcement of the NSTF-South32 Awards [finalists](#) will be circulated through the NSTF eNews during the month of May. The announcement of the [winners](#) will take place at the [Awards Gala Event](#) on **13 July 2023**. Save the date and watch your mailbox for the latest news.

The patron of the Awards, the Minister of Higher Education, Science and Innovation, Dr Blade Nzimande has been invited to preside over the presentation of the awards. A hybrid live-broadcast from two cities (Johannesburg and Cape Town) is planned for the [Awards Gala Event](#). All finalists together with the [sponsors](#) will be invited to attend. The rest of the community will watch the live-streamed event via the NSTF [YouTube platform](#). Watch your mailbox for news.

Youth programmes: One of the features that make these awards unique is that youth outreach is an integral part of the awards. Two NSTF [Youth](#) outreach programmes are run annually in conjunction with the NSTF Awards.

- The NSTF [Brilliants Programme](#) identifies and celebrates the top achievers in physical science and mathematics from the previous year's matric examinations, who are studying in STEM related courses. (STEM = science, technology, engineering and mathematics.) It exposes young people to the SET and innovation community. First year students (a young man and a woman from each province) are recognised as possible future leaders and innovators. The programme is sponsored this year by the Department of Science and Innovation (DSI).
- The NSTF [Share 'n Dare Programme](#) is an output of the NSTF Awards that profiles [award winners](#) as youth [role models](#). Award winners share their experience and knowledge with thousands of young people at science centres and events across the country. Since the COVID-19 lockdown in 2020, NSTF continued youth outreach by means of [career talk videos](#) that were produced and circulated to schools and online to reach thousands of learners, as well as the general public. They encourage the youth to take up [careers in STEM](#). Thousands of South Africans are also reached through [community and national radio](#) talks. The programme is sponsored by South32.

Media partners and advertising campaign

There are two media partners of the NSTF-South32 Awards to ensure national public recognition to the winners, as well as to create awareness amongst and facilitate the communication of science to the broader public. They are:

- [Business Report](#), inserted in The Star, Pretoria News, Cape Times, and The Mercury newspapers
- [Mail & Guardian](#)

Both these newspapers carry [supplements](#) about the winners the day after the announcement was made. Unique advertising opportunities are available for your brand. Contact [Ms Wilna Eksteen](#) to put you in contact with the media partners.

Please forward this email to your colleagues, business contacts and all interested persons to promote the [who's who of SET and innovation in South Africa!](#)

About the NSTF

The National Science and Technology Forum (NSTF), established in 1995, is a broadly-representative stakeholder body for all science, engineering and technology (SET) and innovation organisations in South Africa, which seeks to influence policy formulation and delivery.

The NSTF Awards are unique in SA, recognising the outstanding contributions of individuals and groups to SET and innovation.

The science bursaries page provides information on bursaries and bursary providers for science, engineering and related studies.

STEMulator.org attracts learners and students to the exciting world of science, technology, engineering and mathematics (STEM). It provides a virtual world full of stimulating content to excite and inform the youth, including STEM career guidance. Established under the auspices of the NSTF proSET membership sector (Professionals in *science, engineering and technology*).

Disclaimer

The NSTF has taken all practical measures to ensure that the material contained in this newsletter is correct. The NSTF reserves the right to make changes as it deems necessary.

Privacy

Registration details submitted to the NSTF will be treated confidentially and will only be used by NSTF to communicate with its members and subscribers.

For more information

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