



Email: [enquiries@nstf.org.za](mailto:enquiries@nstf.org.za) | Tel: +27 12 841 3987 |  
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# NSTF-South32 Awards

*today's research ... tomorrow's innovation*

## Nominees announced: 2021/2022 NSTF-South32 Awards

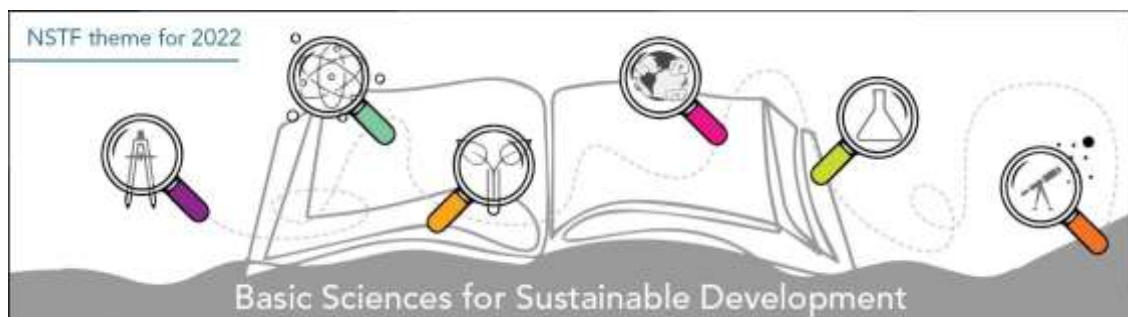
**Recognising outstanding contributions to science, engineering and technology (SET) and innovation by individuals, teams and organisations in South Africa**

The [National Science and Technology Forum](#) (NSTF) is pleased to announce the group of nominees contending for the 24th 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 non-profit endeavour.

**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 2022 is **basic sciences for sustainable development**. This is in recognition of the [2022 International Year of Basic Sciences for Sustainable Development](#) as declared by the United Nations (UN). The NSTF is making a [special award](#) recognising contributions in this regard. The 24th annual [Awards](#)

[Gala Event](#) taking place on **21 July 2022** will celebrate this theme – *save the date and watch your mailbox for further announcements.*

## What's new this year?

There are no major changes to the [categories](#) and [criteria](#) this year apart from the [Special Annual Theme Award](#) mentioned above and the following:

**Green Economy Award:** This category was reintroduced to recognise contributions of individuals or organisations in biodiversity conservation, environmental sustainability and the green economy.

## The NSTF's vision

A 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 nation's diverse population and where the education system is effective, particularly in terms of performance in SET subjects and the promotion of innovation.

**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) and [Eskom](#)) recognise contributions that have the potential to make a positive impact in specific critical fields for development of SA.

## 2021/2022 NSTF-South32 Awards nominees

Join the NSTF [membership](#) and pioneering [partners/sponsors](#) in applauding the 2021/2022 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 (\*) 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. [Awards for individuals in research and management](#)

#### **Lifetime Award**

- **Prof Heidi Abrahamse** – Department of Science and Innovation (DSI) / National Research Foundation (NRF) South African Research Chairs Initiative (SARChI) Chair: Laser Applications in Health; and Director: Laser Research Centre, Faculty of Health Sciences, University of Johannesburg (UJ)
- **Prof Evans M N Chirwa** – Professor: Rand Water Research Chair in Water Utilisation, Department (Dept) of Chemical Engineering, University of

Pretoria (UP); *and also in the Engineering Research Capacity Development and the NSTF-Water Research Commission categories\**

- **Prof Elizabeth Henning** – DSI/NRF SARChI Chair: Integral studies of Learning Language, Mathematics and Science in Primary School, Faculty of Education, Soweto Campus, UJ
- **Prof Emmanuel Iwuoha** – Senior Professor: Chemistry; and DSI/NRF SARChI Chair (Tier 1): Nano-Electrochemistry and Sensor Technology, University of the Western Cape (UWC)
- **Prof Shabir Madhi** – Dean: Faculty of Health Sciences; and Professor: Vaccinology, School of Pathology; and Director: University of the Witwatersrand (Wits)/SA Medical Research Council Vaccine and Infectious Diseases Analytics Research Unit (Wits-VIDA); Co-Director: African Leadership in Vaccinology Expertise, Wits
- **Prof Oluwole D Makinde** – Professor: Applied Mathematics and Computations, Faculty of Military Science, Stellenbosch University (SU); *and also in the Engineering Research Capacity Development and the Special Annual Theme categories\**
- **Prof Guy F Midgley** – Distinguished Professor; and Head: Global Change Biology Group; and Interim Director: School for Climate Studies, SU; *and also in the Green Economy category\**
- **Prof Sehliselo (Selo) Ndlovu** – Professor: Metallurgical and Materials Engineering; and DSI/NRF SARChI Chair: Hydrometallurgy Sustainable Development, Wits
- **Prof Bob Pattinson** – Emeritus Professor, UP Research Centre for Material, Fetal, Newborn and Child Healthcare Strategies, UP
- **Prof Alan Sigal** – Faculty Member: Africa Health Research Institute; and Associate Professor, University of KwaZulu-Natal (UKZN)
- **Prof Fatima Suleman** – Director: World Health Collaborating Centre for Pharmaceutical Policy and Evidence Based Practice, School of Health Sciences, UKZN; *and also in the Management category\**
- **Dr Jacobus (Kokkie) Swanepoel** – Director: TSG™ Africa; and CEO: Rare Earth Refiners; and Director: Swayana; and Manager: Thermtron Scientific; *see also in the Innovation: Small, Medium and Micro Enterprise category\**
- **Prof Gerhard Walzl** – Distinguished Professor, Sub-specialisation in Pulmonology; and Executive Head: Dept of Biomedical Sciences, Faculty of Medicine and Health Sciences; and Head: Division of Molecular Biology and Human Genetics, Dept of Biomedical Sciences, Faculty of Medicine and Health Sciences, SU
- **Prof Brenda D Wingfield** – DSI/NRF SARChI Chair: Fungal Genomics; and Professor: Dept of Biochemistry, Genetics and Microbiology, Forestry and Agricultural Biotechnology Institute (FABI), UP

#### **TW Kambule-NSTF Award: Researcher**

- **Prof Tamiru Abiye** – Professor: Hydrogeology Programme, School of GeoScience, University of the Witwatersrand (Wits); *and also in the NSTF-Water Research Commission category\**
- **Prof Omotayo Arotiba** – Professor: Department (Dept) of Chemical Sciences; and Director: Centre for Nanomaterials Science Research, University of Johannesburg (UJ)
- **Prof Marique Aucamp** – Associate Professor: Pharmaceutics Dept, School of Pharmacy, Faculty of Natural Sciences, University of the Western Cape
- **Dr Hayley Cawthra** – Chief Scientist: Marine Geoscience, Geophysics and Remote Sensing Research, Council for Geoscience (CGS), Cape Town; and Research Associate: African Centre for Coastal Palaeoscience, Nelson Mandela University
- **Prof Michael Olawale Daramola** – Professor and Head: Dept of Chemical Engineering, Faculty of Engineering, Built Environment and Information

Technology, University of Pretoria (UP); *and also in the Engineering Research Capacity Development category\**

- **Prof Elvis Fosso-Kankeu** – Professor: Dept of Mining Engineering, University of South Africa (UNISA); *and also in the NSTF-Water Research Commission category\**
- **Prof Sian Hemmings** – Associate Professor: Dept of Psychiatry, Faculty of Medicine and Health Sciences, Stellenbosch University (SU)
- **Dr Sharief Hendricks** – Senior Lecturer: Division of Exercise Science and Sports Medicine, Dept of Human Biology, Faculty of Health Sciences, University of Cape Town (UCT); and Visiting Fellow: Leeds Beckett University, England
- **Dr Tebogo G Mahashe** – Senior Lecturer: Michaelis School of Fine Art; and Principal Investigator: Defunct Context Research Project, UCT; and Artist-in-residence: Artist in Labs, Zurich School of Arts; and Convener: Connect South Africa, Art, Science and Residency with the SA Observatories (SARAO and SAAO), the European Organization for Nuclear Research (CERN) and Pro Helvetia Swiss Arts Council
- **Dr Lawrence D Makia** – Senior Lecturer: Dept of Earth Sciences, Faculty of Science, Engineering and Agriculture, University of Venda; *also in the Innovation: Corporate Organisation and the Special Annual Theme categories\**
- **Prof Wanda Markotter** – Professor and Director: Centre for Viral Zoonoses; Department of Science and Innovation (DSI) / National Research Foundation (NRF) South African Research Chairs Initiative (SARChI) Chair: Infectious Diseases of Animals (Zoonoses); and Research Chair: People, Health and Places, Future Africa Institute, UP
- **Ms Ndivhuwo C Mukosi** – Project Leader, Manager and Geoscientist: CGS
- **Dr Givemore Munhenga** – Principal Medical Scientist and Senior Researcher: Vector Control Reference Laboratory, Centre for Emerging and Parasitic Studies, National Institute for Communicable Diseases
- **Prof Samuel O Oluwafemi** – Project Leader: Nanomaterials Synthesis and Applications (NANOBEW) Laboratory, Dept of Chemical Sciences (formerly Applied Chemistry), UJ
- **Dr Cameron Penn-Clarke** – Scientist: Geo-Mapping, Minerals and Energy, CGS; and Honorary Research Associate: Evolutionary Studies Institute, Wits; *and also in the TW Kambule-NSTF: Emerging Researcher category\**
- **Prof Theresa Rossouw** – Professor: Dept of Immunology, UP
- **Prof Vernon S Somerset** - Associate Professor: Environmental Chemistry, Dept of Chemistry, Faculty of Applied Sciences, Cape Peninsula University of Technology; *and also in the Communication category\**

**TW Kambule-NSTF Award: Emerging Researcher** – Prize sponsor: [proSET \(Professionals in SET\)](#), a sector of the NSTF representing professional bodies and learned societies

- **Dr Saeideh Babae** – Lecturer: Department (Dept) of Chemical and Metallurgical Engineering, University of the Witwatersrand (Wits); *and also in the Special Annual Theme category\**
- **Dr Moses Basitere** – Senior Lecturer: Academic Support Program for Engineering in Cape Town; and Research Lead: Poultry Slaughterhouse Wastewater Unit, Water Research Group, Civil Engineering, University of Cape Town (UCT); and Research Fellow and Principal Research Leader: Biosource Engineering Research Group, Cape Peninsula University of Technology (CPUT)
- **Mr Sandile Cele** – Laboratory Supervisor: Africa Health Research Institute, University of KwaZulu-Natal (UKZN)

- **Prof Adéle da Veiga** - Associate Professor: School of Computing, Information Systems Dept, College of Science, Engineering and Computing, University of South Africa (UNISA)
- **Dr Tatenda Dalu** – Lecturer: University of Mpumalanga; and Iso Lomso Fellow: Stellenbosch Institute for Advanced Study; and Honorary Research Associate: South African Institute for Aquatic Biodiversity (SAIAB), Stellenbosch University (SU); and Young Affiliate: The World Academy of Science, UNESCO, Italy
- **Dr Roisin E Drysdale** – Postdoctoral Fellow: Department of Science and Innovation (DSI) / National Research Foundation (NRF) Centre of Excellence (CoE) in Human Development, Wits
- **Dr Wynand Goosen** – Wellcome Trust Lecturer; and DSI/NRF CoE for Biomedical TB Research, Division of Molecular Biology and Human Genetics, Dept of Biomedical Sciences, Faculty of Medicine and Health Sciences, SU
- **Prof Pragashnie Govender** – Associate Professor: Occupational Therapy, School of Health Sciences, UKZN
- **Dr Ahmed M Kalumba** – Senior Lecturer: Dept of Geography and Environmental Science, University of Fort Hare
- **Dr Banothile Makhubela** – Senior Lecturer and Director: Research Centre for Synthesis and Catalysis, Dept of Medical Sciences, Faculty of Science, University of Johannesburg (UJ); *and also in in the Special Annual Theme categories\**
- **Dr Samkelo Malgas** – Lecturer: Division of Biochemistry, Dept of Biochemistry, Genetics and Microbiology, University of Pretoria (UP)
- **Dr Emmanuel A Margolin** – Director of Research and Development – Molecular Farming, Nant-SA; and previously the Post-doctoral Fellow: Antiviral Vaccine Development Group, Division of Virology, Faculty of Health Sciences, UCT; *and also in the Special Annual Theme category\**
- **Dr Nomali Z Ngobese** – Senior Lecturer and Deputy Head: Dept of Botany and Plant Biotechnology, UJ
- **Ms Athule Ngqalakwezi** – Research and Development Engineer, MINTEK
- **Prof Amir Patel** – Associate Professor: Dept of Electrical Engineering, UCT
- **Dr Cameron Penn-Clarke** – Scientist: Geo-Mapping, Minerals and Energy, Council for Geoscience; and Honorary Research Associate: Evolutionary Studies Institute, Wits; and also in the TW Kambule-NSTF: Researcher category
- **Dr Simone Richardson** – Senior Scientist: National Institute for Communicable Diseases; and Researcher: Wits (joint appointment)
- **Dr Wilhelm C Rothman** – Lecturer: Dept of Information Technology, CPU; *and also in the Special Annual Theme category\**
- **Dr Admire I T Shayanowako** – Research Fellow: Plant Breeding, African Centre for Crop Improvement; Dept of Crop Science, UKZN; *and also in the Engineering Research Capacity Development, in the Green Economy and in the Innovation: Corporate Organisation categories\**
- **Mr Emmanuel Kweinor Tetteh** – Principal Investigator: Green Engineering and Process Sustainability Research Group, Dept of Chemical Engineering, Faculty of Engineering and Built Environment, Durban University of Technology; *and also in the Engineering Research Capacity Development and the NSTF-Water Research Commission and in the Special Annual Theme categories\**

#### Management Award

- **Mr Shaun Grimmatt** – Manager: Information Technology, Laboratory Information Systems Team, National Health Laboratory Service; *and see also Data for Research category\**

- **Prof Bhekile Brilliance Mamba** – Executive Dean: College of Science, Engineering and Technology, University of South Africa (UNISA)
  - **Prof Inderasan Naidoo** – Professor: Mathematics, Department of Mathematical Sciences, UNISA (2012 – present); and Academic Quality Assurance and Enhancement Specialist; and Director: School of Science, UNISA (2013–2018)
  - **Dr Boitumelo Semete-Makokotlela** – CEO: SA Products Regulatory Authority
  - **Prof Fatima Suleman** – Director: World Health Collaborating Centre for Pharmaceutical Policy and Evidence Based Practice, School of Health Sciences, University of KwaZulu-Natal; *and also in the Lifetime category\**
2. **Engineering Research Capacity Development Awards** - Sponsored by Eskom since 2003
- **Prof Evans M N Chirwa** – Professor; and Rand Water Research Chair: Water Utilisation, Department (Dept) of Chemical Engineering, University of Pretoria (UP); *and also in the Lifetime and in the NSTF-Water Research Commission categories\**
  - **Prof Michael Olawale Daramola** – Professor and Head: Department of Chemical Engineering, Faculty of Engineering, Built Environment and Information Technology, UP; *and also in the TW Kambule-NSTF Researcher category\**
  - **Prof Nonhlangabezo (Bezo) Mabuba** – Associate Professor: Analytical Chemistry, Material and Processing Science, Dept of Chemical Sciences, University of Johannesburg (UJ)
  - **Prof Oluwole D Makinde** – Professor: Applied Mathematics and Computations, Faculty of Military Science, Stellenbosch University (SU); *and also in the Lifetime and in the Special Annual Theme categories\**
  - **Prof Sehliselo (Selo) Ndlovu** – Professor: Metallurgical and Materials Engineering; Department of Science and Innovation (DSI) / National Research Foundation (NRF) South African Research Chairs Initiative (SARChI) Chair: Hydrometallurgy Sustainable Development, University of the Witwatersrand; *and also in the Lifetime category\**
  - **Mr Emmanuel Kweiyor Tetteh** – Principal Investigator: Green Engineering and Process Sustainability Research Group, Dept of Chemical Engineering, Faculty of Engineering and Built Environment, Durban University of Technology; *and also in the TW Kambule-NSTF Emerging Researcher and in the Water Research Commission and in the Special Annual Theme categories\**
  - **Prof Wellington Didibhuku Thwala** – Research Professor: Dept of Civil Engineering, College of Science, University of South Africa (UNISA); and Immediate Past Head: Dept of Construction Management and Quantity Surveying; and Past Director and SARChI Chair: Sustainable Construction Management and Leadership in the Built Environment, UJ
  - **Prof Marianne Vanderschuren** – Professor: Transport Planning and Engineering; and Chair: DSI/NRF/Council for Scientific and Industrial Research (CSIR) co-funded Smart Mobility Research; and Deputy Dean: Social Responsiveness and Transformation; and Dept of Civil Engineering, Faculty of Engineering and the Built Environment, University of Cape Town; *and also in the Special Annual Theme category\**
3. **Green Economy Award**
- **Council for Scientific and Industrial Research (CSIR) Case Studies Project Team**, “The use of waste materials in road construction project” – Project Leader and Principal Research Scientist and Research Group Leader: Mr Georges Mturi

- **Prof Guy F Midgley** – Distinguished Professor; and Head: Global Change Biology Group; and Interim Director: School for Climate Studies, Stellenbosch University; *and also in the Lifetime category\**
  - **Prof Godwell Nhamo** – Chief Researcher and Exxaro Chair: Climate and Sustainability Transitions, University of South Africa (UNISA); *and also in the Special Annual Theme category\**
  - **Dr Admire I T Shayanowako** – Research Fellow: Plant Breeding, African Centre for Crop Improvement; and Department of Crop Science, University of KwaZulu-Natal; *and also in the TW Kambule-NSTF Emerging Researcher and in the Innovation: Corporate Organisation category\**
4. **NSTF-Water Research Commission (WRC) Award** - Sponsored by the WRC since 2017
- **Prof Tamiru Abiye** – Professor: Hydrogeology Programme, School of GeoScience, University of the Witwatersrand; *and also in the TW Kambule-NSTF Researcher category\**
  - **Prof Evans M N Chirwa** – Professor; and Rand Water Research Chair: Water Utilisation, Department (Dept) of Chemical Engineering, University of Pretoria; *and also in the Lifetime and the Engineering Research Capacity Development categories\**
  - **Prof Elvis Fosso-Kankeu** – Professor: Dept of Mining Engineering, University of South Africa (UNISA); *and also in the TW Kambule-NSTF Researcher category\**
  - **Gariiep Watch** – Team Leader: Mr Fritz Bekker; and Technical Advisor and Co-Founder: Gariiep Watch; and Managing Member: Clean Stream
  - **Prof Tafadzwabashe Mabhaudhi** – Professor, Honorary Research Associate and Co-Director: Centre for Transformative and Agricultural Food Systems, University of KwaZulu-Natal
  - **Mr Emmanuel Kweinor Tetteh** – Principal Investigator: Green Engineering and Process Sustainability Research Group, Dept of Chemical Engineering, Faculty of Engineering and Built Environment, Durban University of Technology; *and also in the TW Kambule-NSTF Emerging Researcher, and the Engineering Research Capacity Development and in the Special Annual Theme categories\**
5. **Data for Research Award**
- **Prof Nigel C Bennett** – Professor; and Chair: Department of Science and Innovation / National Research Foundation South African Research Chairs Initiative, Mammal Behavioural Ecology and Physiology; and Austin Roberts Chair of Mammalogy, University of Pretoria (UP)
  - **Centre for Science, Technology and Innovation Indicators (CeSTII), Human Sciences Research Council (HSRC)**, South African National Survey on Research and Experimental Development Research Team – Team Leader: Dr Nazeem Mustapha
  - **Information Technology Laboratory Information System Team**, National Health Laboratory Services – Team Manager: Mr Shaun Grimmett; *and see also the Management category\**
  - **MOdelling Covid-19 Strategies In South Africa (MOSAIC) collective** – Team Leader: Prof Susan Cleary; and Associate Professor: Health Economics, Health Economics Unit, School of Public Health and Family Medicine, University of Cape Town (UCT)
  - **Network for Genomics Surveillance in South Africa** – Team Leader and Co-Founder: Dr Jinal Bhiman; and Scientific Lead: Global Immunology and Immune Sequencing for Epidemic Response South Africa (GIISER-SA)
  - **Prof Lee Rusznyak** – Associate Professor and Director: Legitimation Code Theory Hub, School of Education; and Principal Investigator: Teacher Choice in Action Project, University of the Witwatersrand

- **The South African Tuberculosis Vaccine Initiative Data Management Team, UCT** – Data Manager: Mr Humphrey Mulenga
  - **Prof Dr Yves van de Peer** – Full Professor: Ghent University, Belgium; and Full Part-time Professor, UP; and Full Part-time Professor, Nanjing Agricultural University, China
6. **Innovations Awards: Sponsored by the National Intellectual Property Management Office (NIPMO) since 2019**

**Innovation Award: Corporate Organisation**

- **Biopharming Research Unit, University of Cape Town (UCT)** – Director: Prof Edward Rybicki; and Professor: Microbiology: Department (Dept) of Molecular and Cell Biology, UCT
- **Ewah Cosmeceuticals (Pty) Ltd** – Founder: Mideh Group t/a Ewah Pharmaceuticals (Pty) Ltd, Ms Nokhuthula H Mavela, Durban University of Technology (DUT)
- **INOFID (Pty) Ltd** – Founder and Research Leader: Prof Eric Amonsou, Food and Nutrition Security Focus Area of INOFID, Dept of Bio-technology and Food Science, Faculty of Applied Science, DUT
- **KZN Industrial Energy Efficient Training and Resource Centre (IEETRC)** – Manager: Prof Ian J Lazarus; and Associate Professor: Department of Physics, DUT
- **Dr Lawrence D Makia** – Senior Lecturer: Dept of Earth Sciences, Faculty of Science, Engineering and Agriculture, University of Venda; *and also in the TW Kambule-NSTF Researcher and in the Special Annual Theme categories\**
- **Mining Positron Emission Tomography Research Group (MinPET)** – Team Leader: Prof Simon Connell; and Dept of Mechanical Engineering Science, Faculty of Engineering and Built Environment, University of Johannesburg, *and also in the Special Annual Theme category\**
- **Mr Abdul-Khaaliq Mohamed** – Lecturer, Department of Information / Electrical Engineering, University of the Witwatersrand
- **Dr Admire I T Shayanowako** – Research Fellow: Plant Breeding, African Centre for Crop Improvement, Dept of Crop Science, University of KwaZulu-Natal; *and also in the TW Kambule-NSTF Emerging Researcher and the Green Economy categories\**

**Innovation Award: Small, Medium or Micro Enterprise (SMME)**

- **Diagnostic Aptamer Technologies Aminotek (DATA) Pty Ltd** – Managing Director and Chief Scientific Officer: Dr Ashley Pretorius; and Managing Director: DHS Healthcare (Pty) Ltd; and Financial Director: MVK Engineering CC; and Director: The Aminotek Group
  - **MaXhosa Africa** – Founder and CEO: Mr Laduma Ngxokolo
  - **Osta Technologies (Pty) Ltd t/a Osta Bio Materials** – Managing Director: Mr Dimitrios Markoulides
  - **Thermtron Scientific CC** – Sponsor and Manager: Dr Jacobus (Kokkie) Swanepoel; *see also in the Lifetime category\**
7. **Communication Award**
- **Dr Ron Beyers** – Owner: Young Engineers and Scientists of Africa (YESA); and Part-Time Lecturer: Nelson Mandela University; *and also in the Special Annual Theme category\**
  - **Prof Ryan Blumenthal** – Senior Specialist Forensic Pathologist and Associate Professor: Department (Dept) of Forensic Medicine, University of Pretoria; *and also in the Special Annual Theme category\**
  - **Dr Daniel Cunnama** – Science Engagement Astronomer: South African Astronomical Observatory (SAAO)
  - **Prof Francois A Engelbrecht** – Director and Professor: Climatology; and **Prof Coleen H Vogel** – Professor: Sustainability, Global Change Institute, University of the Witwatersrand



- **Prof Burtram Fielding** – Dean: Faculty of Natural Sciences, University of the Western Cape
  - **Prof Nokwanda “Nox” Makunga** – Associate Professor: Dept of Botany and Zoology, Stellenbosch University; *and also in the Special Annual Theme category\**
  - **Mental Health Information Centre of Southern Africa (MHIC)** – Representative: Mrs Janine Roos; and Director: MHIC, Unit on Risk and Resilience in Mental Disorders, SA Medical Research Council (SAMRC)
  - **Prof Habib Noorbhai** – Associate Professor and Director: Biomedical Engineering and Healthcare Technology (BEAHT) Research Centre, Faculty of Health Sciences, University of Johannesburg
  - **Mr Sivuyile (Sviggys) Sesi** – Researcher, Writer, Author, Blogger, Publisher, Reporter, General Management and Reviewer: Internative Digital @756Writing for Politech; *and also in the Special Annual Theme category\**
  - **Prof Vernon S Somerset** – Associate Professor: Environmental Chemistry, Dept of Chemistry, Faculty of Applied Sciences, Cape Peninsula University of Technology (CPUT); *and also in the TW Kambule-NSTF Researcher category\**
  - **Vuwani Science Resource Centre** – Team Leader: Dr Nnditshedzeni Eric Maluta; and Coordinator: Vuwani Science Resource Centre; and Head: Dept Physics, University of Venda; and Ordinary Member: International Union of Physics and Applied Physics (IUPAP) Commission-14 for Education Development
  - **Dr Ida Wilson** – Science Lead: Organic Products, Biorevolution and Extraordinary Lecturer, Dept of Agronomy, Stellenbosch University
8. **Non-Governmental Organisation (NGO) Award**
- **Codemakers** – Executive Director: Dr Justin Yarrow
  - **Siyafunda Community Technology Centre NPC** – Director: Mr Ahmed Ismael, Information Technology Industry Certification
9. **Special Annual Theme Award: Basic sciences for sustainable development**
- **Dr Saeideh Babaee** – Lecturer: Department (Dept) of Chemical and Metallurgical Engineering, University of the Witwatersrand (Wits); *and also in the TW Kambule-NSTF Researcher category\**
  - **Dr Ron Beyers** – Owner: Young Engineers and Scientists of Africa (YESA); and Part-time Lecturer: Nelson Mandela University; *and also in the Communication category\**
  - **Prof Ryan Blumenthal** – Senior Specialist Forensic Pathologist; and Associate Professor: Dept of Forensic Medicine, University of Pretoria; *and also in the Communication category\**
  - **Dr Shiksa Gallow** – Medical Director, Principal Investigator, Biodata Research and Technical Director: Labat Healthcare; *and also in the TW Kambule-NSTF Researcher category\**
  - **Dr Banothile Makhubela** – Senior Lecturer and Director: Research Centre for Synthesis and Catalysis, Dept of Medical Sciences, Faculty of Science, University of Johannesburg (UJ); *and also in the TW Kambule-NSTF Emerging Researcher category\**
  - **Dr Lawrence D Makia** – Senior Lecturer: Dept of Earth Sciences, Faculty of Science, Engineering and Agriculture, University of Venda; *also in the TW Kambule-NSTF Researcher and the Innovation: Corporate Organisation categories\**
  - **Prof Oluwole D Makinde** – Professor: Applied Mathematics and Computations, Faculty of Military Science, Stellenbosch University (SU); *and also in the Lifetime and the Engineering Research Capacity Development categories\**

- **Prof Nokwanda “Nox” Makunga** – Associate Professor: Dept of Botany and Zoology, SU; *and also in the Communication category\**
- **Dr Emmanuel A Margolin** – Director of Research and Development – Molecular Farming, Nant-SA; previously Post-doctoral Fellow: Antiviral Vaccine Development Group, Division of Virology, Faculty of Health Sciences, University of Cape Town (UCT); *and also in the TW Kambule-NSTF Emerging Researcher category\**
- **Mining Positron Emission Tomography Research Group (MinPET)** – Team Leader: Prof Simon Connell, Dept of Mechanical Engineering Science, Faculty of Engineering and Built Environment, UJ; *and also in the Innovation: Corporate Organisation category\**
- **Prof Godwell Nhamo** – Chief Researcher and Exxaro Chair: Climate and Sustainability Transitions, University of South Africa (UNISA); *and also in the Green Economy category\**
- **Dr Wilhelm C Rothman** – Lecturer: Dept of Information Technology, Cape Peninsula University of Technology; *and also in the TW Kambule-NSTF Researcher category\**
- **Mr Sivuyile (Sviggys) Sesi** – Researcher, Writer, Author, Blogger, Publisher, Reporter, General Management and Reviewer: Internative Digital @756Writing for Politech; *and also in the Communication category\**
- **Mr Emmanuel Kweiner Tetteh** – Principal Investigator: Green Engineering and Process Sustainability Research Group, Dept of Chemical Engineering, Faculty of Engineering and Built Environment, Durban University of Technology; *and also in the TW Kambule-NSTF Emerging Researcher and the Engineering Research Capacity Development and the NRF-Water Research Commission categories\**
- **Prof Marianne Vanderschuren** – Professor: Transport Planning and Engineering; Chair: Department of Science and Innovation (DSI) / National Research Foundation (NRF) / Council for Scientific and Industrial Research (CSIR) Co-funded Smart Mobility Research; and Deputy Dean: Social Responsiveness and Transformation; Dept of Civil Engineering, Faculty of Engineering and the Built Environment, UCT; *and also in the Engineering Research Capacity Development category\**

**Adjudication:** The adjudication and selection processes for the NSTF-South32 Awards are made by a panel of independent adjudicators elected by the membership. They represent seven different sectors of the [NSTF membership](#). This adjudication panel, in association with the Awards partners, review the nominations to select the [finalists](#) and [winners](#) each year. A panel of experts appointed by the [NSTF Executive Committee](#), reviews and validates 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 **21 July 2022**. 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 awards. A hybrid broadcast from two cities (Johannesburg and Cape Town) is planned for this years' NSTF-South32 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.

## NSTF 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 (the sciences, engineering, medicine, etc). It exposes young people to the SET community. Eighteen first year students (a young man and a woman from each province) are recognised as possible future leaders and innovators. The programme is sponsored by South32, the Department of Science and Innovation and the South African Council for Natural Scientific Professions (SACNASP). In 2021, [The Lewis Foundation](#) partnered with the NSTF Brilliants Programme to include awards for nine 'BEST' students ('Biological and Environmental Sciences Top' students), thereby encouraging South Africa's future conservation champions. Their choice of studies are related to the biological and environmental sciences.
- The NSTF [Share 'n Dare Programme](#) is an output of the NSTF-South32 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 universities across the country. During the COVID-19 lockdown in 2020 to recently, NSTF continued youth outreach by means of [videos](#) that were produced and circulated to schools and on social media to reach thousands of learners: [TUT interviews](#); [2020 interviews](#); and an [interview with Prof Bavesh Kana \(2021\)](#), among others. They encourage the youth to take up [careers in SET](#). Thousands of South Africans are also reached through [community and national radio](#) talks.

## 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 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](#) newspaper

Both these newspapers carry [supplements](#) about the winners the day after the announcement of the winners. 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

[www.nstf.org.za](http://www.nstf.org.za)

E-mail: [awards@nstf.org.za](mailto:awards@nstf.org.za)

Tel: [+27 12 841 3987](tel:+27128413987)

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