

South African Young Academy of Science

2019 Report

Connecting Science and Society since 2011

The South African Young Academy of Science (SAYAS) was founded in September 2011 to be the representative voice of young scientists in South Africa. SAYAS aims to contribute to the national strategic priority of strengthening the skills and human resource base of the country, with a focus on the next generation of scientists. Since its inception, SAYAS has inaugurated 97 members who were selected based on their academic excellence and service to society*.

This report reflects on the progress made towards achieving those goals in 2018/19. More details can be found at www.sayas.org.za



*There are currently 48 SAYAS Alumni

Policy Influence

SAYAS collaborates with the Young Academy of Sweden

SAYAS and the Young Academy of Sweden (YAS) made representations at a joint panel session on 'Supporting young scientists to thrive in the research system' held on 15 May 2018 at the University of Pretoria as part of the South Africa-Sweden University Forum (SASUF) Research and Innovation week 2018. SASUF is a collaboration between 30 universities in Sweden & South Africa together with embassies, civil society organisations, funding agencies & ministries in both countries.

Prof. Puleng Segalo, Head - Office of Research and Graduate Studies, College of Human Sciences, University of South Africa addressed gender dimensions and challenges faced by young researchers while Prof. Esther Akinlabi, Vice Dean: Teaching and Learning, Faculty of Engineering and the Built Environment, University of Johannesburg spoke of contributions made towards meeting industry needs and addressing the 4th Industrial revolution. Dr Alisa Phulukdaree, Senior Lecturer, Department of Physiology, University of Pretoria made a case study presentation on the Africa Science Leadership Programme (ASLP) as an initiative aimed at equipping young scientists and early career researchers in Africa in science leadership.

SAYAS also hosted members of YAS who paid the SAYAS Secretariat a courtesy call. On hand to receive the YAS delegation were Prof. Philani Moyo, SAYAS Co-Chair and Dr Madre Helbig from the Executive Committee (ExCo) and Ms Edith Shikumo from the Secretariat. The YAS representatives were Dr Katarina MacLeod, Prof. Marie Wiberg, Dr Sanna Koskiniemi, Dr Anna Wetterbom the YAS CEO and Dr Kristian Pietras, the YAS Co-Chair. Areas of possible joint cooperation were discussed at this meeting.

SAYAS Food Security and Policy Workshop

Young scientists from the Southern African Development Community (SADC) deliberated on the eradication of hunger and food security at a workshop hosted by SAYAS which took place from 11 to 13 April 2018 at Birchwood Hotel & OR Tambo Conference Centre in Boksburg.

Titled: 'Policy Direction - Eradication of Hunger and Achievement of Food Security', the workshop sought to link young scientists and early career researchers to policymakers to strengthen the science-policy interface.

Food security is an integral part of the United Nations Sustainable Development Goals (UN SDGs) that deal with poverty, zero hunger, good health and well-being, quality education and responsible consumption and production. The Science, Technology and Innovation Strategy for Africa (STISA2024) notes that most entities responsible for STI policy-making operate in isolation from other policy agencies, with weak links to the private and education and research sectors, and to African and international policy research think tanks.

Young scientists and early career researchers equally work in isolation with very limited linkages to policymakers for whom evidence-based research should be key. The workshop aimed to establish a relationship between young scientists to better inform policies and assessments; identify gaps and shortfalls in the achievement of goals and to utilise science to find solutions. Young scientists were also challenged to gear their research to be more responsive to the SDGs.

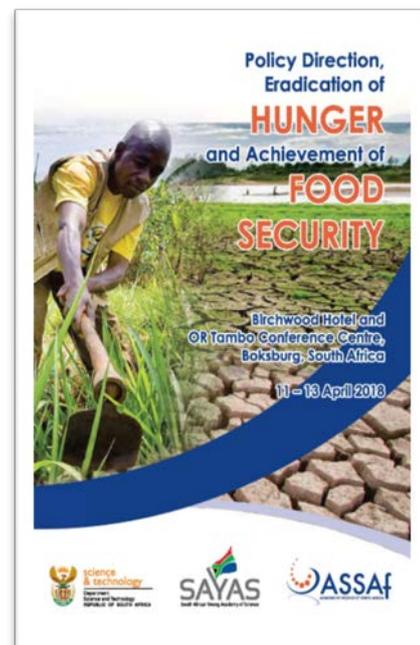
Some 70 delegates from nine SADC countries attended the workshop which was co-hosted by the Tanzania Young Academy of Science, Mauritius Young Academy of Science and the World Academy of Sciences Regional Office for



Sub-Saharan Africa (TWAS ROSSA¹). The role that young academies can play as instigators and stimulators of science in national and regional arenas cannot be gainsaid. In its 2017 - 2021 Strategic Plan, SAYAS noted as one of its programmatic objectives the promotion of the UN SDGs in SAYAS programmes and activities. Undertaking this workshop focussed on SDG2 was one of the direct outcomes. Other opportunities to do so in the future will be sought whilst at the same time creating awareness of this engagement amongst our membership.

Funding for the workshop was provided by the InterAcademy Partnership (IAP), the Oppenheimer Memorial Trust, TWAS ROSSA and the Organisation for Women in Science for the Developing World South Africa National Chapter (OWSD-SANC).

The workshop organising committee comprised of the following SAYAS members: Dr Cletos Mapiye, Dr Thobela Nkukwana, Dr Marizvikuru Manjoro and Ms Edith Shikumo. Also included were: Mr Kholani Mbhiza, TWAS-ROSSA Secretariat; A/Prof Fawzi Mahomoodally, Mauritius Young Academy of Science and Dr Nichrous G. Mlalila, Tanzania Young Academy of Science.



A Policy brief was produced following the workshop. Several interviews were conducted by local radio stations and an article published in the SDG Bulletin.

¹ TWAS ROSSA has since re-branded and is now called The World Academy of Sciences Sub-Saharan Africa Regional Partner (TWAS-SAREP)

IAP/NASAC Regional Workshop on the SDGs and STISA

The Network of African Science Academies (NASAC) in collaboration with the IAP hosted a regional workshop on Agenda 2030 from 19 to 20 September 2018 in Nairobi, Kenya.

The UN SDGs and Agenda 2063 (supported by the Science, Technology and Innovation Strategy for Africa (STISA) 2024) was the focus of the workshop. The workshop provided an interactive space to share insights and stimulate progressive and innovative thinking on the role of the NASAC and African National Young Academies in supporting the implementation of the SDGs and STISA, and their place within national and regional systems of science and innovation. The workshop was one of four regional events, working with the IAP regional networks under the three-year IAP project [Harnessing Science Engineering and Medicine \(SEM\)](#) to Address Africa's Challenges. The project endeavours to mobilise leaders in SEM to better engage on the SDGs and STISA; strengthen merit-based academies in this engagement; and build strong, sustained partnerships to strengthen the science-policy interface. SAYAS was represented at the workshop by Ms Edith Shikumo. This meeting led to a further discussion led by SAYAS on the SDGs by African National Young Academies of Science in Benin later in the year (see following article).

African National Young Academies of Science gather in Benin

Representatives of ten African National Young Academies of Science (NYAS) had the opportunity to meet and engage with each other on 14 November 2018 in Cotonou, Benin at the Académie nationale des sciences, arts et lettres du Bénin (ANSALB), (Benin National Academy of Sciences, Arts and Letters) offices. The informal meeting focussed on encouraging young scientists and academies to support the SDGs more effectively. It was noted that though

some of the activities undertaken by the different NYAS addressed some of the goals, there needs to be deliberate action to engage more actively with country respective voluntary national review processes. A call was made to also engage with other partners such as the International Science Council (ISC) who make in-put into the United Nation's High-Level Political Forum (HLPF).

Representative NYAS were from Benin, Burundi, Egypt, Ghana, Kenya, Nigeria, Senegal, South Africa, Sudan and Uganda. Representatives from the IAP who had held a workshop on Academies of science engagement with the SDGs in September 2018 in Nairobi, Kenya, also attended the NYAS meeting, in order to augment the recommendations from the report produced at the meeting.

Due to funding shortfalls, there are not many opportunities for the African NYAS to meet regularly and as such this opportunity was highly appreciated. Travel support was provided by the Academy of Science of South Africa (ASSAf) and the informal meeting led by SAYAS.

The NYAS also attended the 14th Annual Meeting of African Science Academies (AMASA '14) which was hosted by the Académie nationale des sciences, arts et lettres du Bénin (ANSALB) and co-organised by NASAC and the Nigeria Academy of Science (NAS) on 13 to 14 November. The theme for the AMASA'14 conference was "Sustainable development in Africa: The role of young and senior science academies". The goals of the conference were to deliberate on the role of young and senior science academies in attaining the SDGs in Africa which was very opportune for the NYAS meeting.

In addition, the African NYAS meeting also provide an opportunity to meet with and congratulate the Benin Young Academy which had been newly formed.



SAYAS was represented by Edith Shikumo and Dr Nosiphiwe Ngqwala.

Building science leadership and capacities of Young Academies of Science

Young scientists represent the future of a country's science and technology development and their inclusion from an early stage in the processes that build a country's system of innovation is critical. They are recognised as providing the pool for the next generation of distinguished scholars. In its 2017 - 2021 Strategic Plan, SAYAS noted as one of its strategic objectives: Influencing science policy. Evidence-based science advice in support of policy development is an area receiving much attention as governments are faced with addressing many challenges that are science-based.

It was with the above in mind that SAYAS held a Capacity Building and Leadership workshop for all its membership on 16 to 17 October 2018 at the University of Fort Hare (UFH).

The guest speaker was Prof. Saleem Badat, Program Director of the International Higher Education & Strategic Projects, Andrew W. Mellon Foundation -New York, ASSAf member & SAYAS Board member. His talk focussed on the internationalisation of science and young scientists' participation in the global science arena and transforming human capital in South African universities: Lessons from Rhodes University. Prof. Badat also addressed matters of producing and transforming the social composition and retaining the new generation scholars (who have just arrived) and the next generation scholars (who are still coming) of academics in South African universities. He argued that leaders need to take ownership of the challenges in their respective spaces.

Other speakers included Prof. John Hendricks, A/Deputy Vice Chancellor: Academic Affairs, UFH, Dr Renee Street, Steering Committee member of the International Network for Government Science Advice (INGSA)-Africa, Dr Daniel Nyanganyura, Regional Director, International Science Council (ISC) and

Prof. Joseph Francis, Director, Institute for Rural Development, University of Venda (UNIVEN).

SAYAS acknowledges Prof. Philani Moyo's assistance in hosting this meeting at UFH. Part funding for this meeting was provided by the IAP through its African Academies Diaspora Fellows Program (AADFP).

Organising committee members were: A/Prof Makondelele Makatu, Prof. Philani Moyo, Dr Nosiphwe Ngqwala, Dr Madré Helbig, Prof. Kanshukan Rajaratnam, Dr Celetos Mapiye, Dr Adeyemi Aremu and Ms Edith Shikumo from the Secretariat.



Identities of South African scientists

SAYAS is conducting a study of identities in South African academia, with a focus on STEM fields. The aim is to assess which aspects of people's identity presented obstacles to success and/ or continuation in these fields, and to discover ways in which inclusivity can be actively promoted. We are partnering with the Centre for Diversity (WitsCD) at the University of Witwatersrand to assist in undertaking the study.

An initial online survey has been conducted whose results will be studied leading to the hosting of Dialogues at four universities.

Funding has been provided by the New Zealand Embassy in South Africa.

Organising committee members are: A/Prof Aliza le Roux, Dr Eugene Lee Davids, Dr Haley McEwan (WitsCD) and Ms Edith Shikumo from the Secretariat.

Improving scholarly environment

Annual Young Scientist Conference 2018 Young Scientists' Conference Explores Corruption and its Negative Effects

Leader: ASSAf and SAYAS Secretariat
Young scientists deliberated on corruption and its negative effects on Africa's progress at the 9th Annual Young Scientists' Conference which was held from 13 to 14 September 2018 in Johannesburg at the Protea OR Tambo Hotel, Johannesburg. The conference was hosted by ASSAf, the Department of Science and Innovation (DSI), and SAYAS.

70 young scientists from ten academic institutions, as well as some speakers from civil society organisations attended the conference.

Corruption continues to hamper efforts aimed at promoting democratic governance, socio-economic transformation, peace and security, and the enjoyment of human rights on the African continent. South Africa was ranked as the 64th most corrupt country out of 176 countries in 2016 on the 2016 Corruption Perceptions Index.

Peace, Justice and Strong Institutions, one of the 17 UN SDGs includes commitments to fight corruption, increase transparency, address illicit financial flows and improve access to information. The inclusion of the SDGs as a measure of assessing a country's development track, for example, calls on countries to give a comprehensive assessment of the negative effects of corruption. Utilising multi-disciplinary approaches it is aimed to take into account the contributions that alternative disciplines, indicators and datasets can provide and thereby allow

for a broader understanding of corruption.

As research by a range of institutions including academia, non-governmental organisations, policy think tanks, the private and public sectors, as well as the media, can help identify the causes, effects and types of corruption, the young scientists were encouraged to actively engage on these issues. This is crucial in understanding and fighting corruption.

Former Justice of the Constitutional Court of South Africa Judge Zak Yacoob gave a guest lecture on the need for the judiciary, civil society and academia as a tripartite to work on providing checks on corruption. Other guest speakers included: Ms Ntshadi Mofokeng, Chief Operations Officer, Equal Education; Mr Lucky Menoe, Deputy Director, Corruption Watch and Mr Deprose Muchena, Regional Director, Amnesty International.

Additional funding was provided by the Organisation for Women in Science for the Developing World – South Africa National Chapter (OWSD-SANC) and the South African Medical Research Council (SAMRC). This enabled further discussions on the gendered effects of corruption as

well as corruption in the healthcare sector respectively.

Two SAYAS members Prof. Kanshukan Rajaratnam and Prof. Louise Kotze were part of the organising committee.





Promoting Science and Society

Science outreach

SAYAS was involved in various outreach and engagement activities as part of its mandate to reach out to other young scientists, young learners and the general public. These activities were used to also target the National Science Week (NSW) held and in celebration of Mandela Day on 18 July 2018. The NSW theme was: 'Deepening democracy through science'. The following activities were undertaken:

- Ms Edith Shikumo was at the University of Mpumalanga on 27 July 2018 whose activities constituted the launch of the NSW;
- Dr Nosiphiwe Ngqwala hosted a talk on Health and Nutrition as well as some practical activities at the Fikozolo School on 24 July 2018 in partnership with Rhodes University's Department of Pharmacy. The young learners in turn showed off their skills at gardening at the school's food garden.
- Dr Ngqwala once again joined the ASSAf team in Graff Retief during the NSW. Various activities were undertaken in the week from 30 July to 3 August 2018 including visits to various school, holding science talks and science-based activities. Technology was also utilised enabling A/Prof Caradee Wright to make a presentation via Skype.



Blogging

Project Leader: Prof. Roula Inglesi-Lotz. In this age of growing social media attention, blogging has become very trendy. Other than being fashionable, blogs provide an opportunity to create relevant content for one's intended readership or customers. Blogs also provide a connection to global communities which provides insights and access to networks that can accelerate one's learning process, opportunity and success.

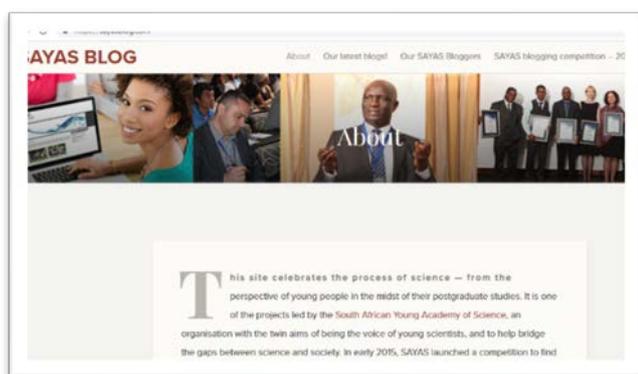
The SAYAS Blog therefore is an opportunity to connect to young scientists especially those doing research and PhD's, many of whom feel that the research phase tends to be lonely or isolated.

Following the successful launch of the SAYAS blog in April 2015, SAYAS has continued to identify skilled young scientists to contribute to the blog for a period of 12 months.

The January to December 2018 bloggers were:

Darryl Herron (University of Pretoria), Mamothena Mothopi (University of Western Cape) and Mbuyiselwa Moloi (University of Free State).

There was a change of stewardship in managing the blog and a hand over from A/Prof Aliza le Roux to Prof. Roula Inglesi-Lotz in 2018. We thank A/Prof le Roux for starting the blog and ably managing it from 2015. The blog can be accessed at www.sayasblog.com.



3rd SAYAS Symposium

SAYAS Symposium Explores Science and Uncertainty

Science and uncertainty was explored at a symposium hosted by SAYAS on 8 to 9 March 2018 held at the Nelson Mandela University (NMU).

The symposium entitled: 'Science and (Un)certainty: Exploring Science, Knowledge Production, Communication and Uptake in a Post-truth World' aimed to create a space for meaningful engagement with on-going discussions in institutions of higher learning and spilling into the public space.

The symposium also interrogated the position of science and of knowledge creation as either a hindrance or a transformative initiative and of the need for certainty in a post-truth world. The symposium provided an opportunity for inclusive debate to explore what science and its different interpretations are, as well as exploring varying bodies of

knowledge creation and the current decolonising dilemma.

Prof. Alex Broadbent, SAYAS Alumnus and Professor of Philosophy and Executive Dean of the Faculty of Humanities, University of Johannesburg gave the opening address. Other speakers included Prof. Catherine Odora Hoppers who holds the South African Research Chair in Development Education at the University of South Africa who gave the keynote address. Prof. Azwinndini Muronga, Executive Dean in the Faculty of Science, NMU in his welcome to the delegates to the university made reference to the pursuit of engaging in knowledge creation and various streams of thought.

In order to encourage young scholars' interaction with science, SAYAS symposiums also provide an opportunity for high school learners to interact with early career scientists and meet the SAYAS objective of translating science for society and Influencing science policy. Towards this end students from Lingisa High School in Port Elizabeth (PE) attended the Symposium and three students from the Eskom Expo for Young Scientists –PE region, made presentations on their award-winning science experiments.

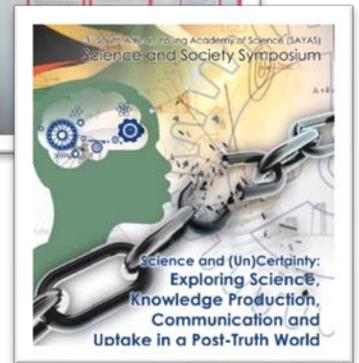
As SAYAS Symposiums take a broad understanding of science, to include multiple disciplines including the natural sciences, social sciences, music and the arts, an ethno musical performer -Ms Bongwiwe Lusizi (Stage name: Mthwakazi) and her band, was also invited to make a performance. Ethnomusicology emphasizes cultural, social, material, cognitive, biological, and other dimensions or contexts of musical behaviour, instead of only its isolated sound component.

Some 30 representatives from various universities in the country attended the symposium.

The SAYAS ExCo thanked the SAYAS members who attended the Symposium

and made engaging presentations as well as the organising committee who comprised of: Dr Nosiphiwe Ngqwala, Prof. Puleng Segalo and Ms Edith Shikumo.

Funding for the Symposium was made available by the Oppenheimer Memorial Trust.



Standing Committees

ASSAf is mandated to provide evidence-based scientific advice on issues of public interest to government and other stakeholders. Science policy which is concerned with the allocation of resources for the conduct of science towards the goal of best serving the public interest is therefore a key ongoing activity. ASSAf's science advisory activities are guided by its Standing Committees, which provide strategic direction and guidance. In tapping into the knowledge base provided by Young Scientists, ASSAf undertakes to involve some SAYAS members in various Standing Committees and similar initiatives. These include:

SAYAS Member/ Alumni	Standing Committee	Objectives/ Outcome
A/Prof Amanda Weltman	STEM Committee	Initiate, oversee and promote studies in STEM education. Provide advice to government to inform policies on STEM education at all levels
Prof. Philani Moyo	Science for the Reduction of Poverty and Inequality	To promote or advance the cause of the Humanities both within ASSAf and within relevant policy-making bodies (such as the National Department of Higher Education and Training, the National Planning Commission and the Department of Science and Technology).

A/Prof Caradee Wright (Alumnus)	Quest Magazine	Editor
Dr Sershen Naidoo	SAJS	Editor
Dr Sahal Yacoob	Collaborative Research	ASSAf's Consensus Study Panel on Incentives for Collaborative Research
Dr Nosiphiwe Ngqwala	Biosafety and Biosecurity	Providing evidence-based advice to government and other relevant stakeholders with regards to Biosafety and Biosecurity
Prof. Kanshukan Rajaratnam	Peer Review Panel: Economics and Business Management	This panel will convene the reviews of 26 accredited scholarly journals in the Economics and Business Management disciplinary group
Prof. Roula Inglesi-Lotz		

SAYAS Members in the Spotlight

SAYAS Member wins the 2017 TWAS-ROSSA Regional young scientist prize

Dr Cletos Mapiye won the 2017 TWAS-ROSSA Regional young scientist prize in Agriculture and Food security. Dr Mapiye is a Senior Lecturer, Meat Science, Department of Animal Sciences at Stellenbosch University. Very apt that the certificate was presented to Dr Mapiye at the SAYAS Food Security and Policy Workshop hosted in April 2018.

The prize is awarded to an outstanding young scientist who has made significant contributions to research, development and capacity building to improve sustainability of food and agricultural systems, food security and poverty reduction in the developing world. The prize is aligned to the UN SDG Goal #2: End hunger, achieve food security and improved nutrition, and promote sustainable agriculture. It is also linked with the Science, Technology and Innovation Strategy for Africa (STISA) 2024 priority area 1, which is eradication of hunger and achieving food security. The prize has a Usd 2, 0000 cash award. Congratulations Cletos!

BioVision2018

On ASSAf's invitation, A/Prof John Ataguba participated in the BioVision2018 Conference held from 20 to 22 April 2018, in Alexandria, Egypt. Through this conference the Library of Alexandria and the Egyptian scholarly community managed to take the

building of a knowledge-based society to the next level, with the conference attended by 2 500+ delegates, eager to learn and to engage with one another.

A/Prof Ataguba spoke on 'Open Data in Health Science: towards achieving the SDGs' on the ASSAf panel session on 'How open data can contribute to achieving the UN SDGs', through ASSAf managing the African Open Science Platform (AOSP) project, funded by the SA Department of Science and Innovation, with direction from CODATA (ISC). The session brought together experts on open data policy, with the focus of two of the presentations on health science. Through this session, ASSAf managed to prioritise open science and open data in Egypt, Egypt being a major player in science advancement and innovation.

AOSP is looking forward to strengthening ties and advancing the sharing of high-quality research data in support of the UN SDGs between North Africa and the rest of Africa, and connecting African research through data.

Others

Prof Roula Inglesi-Lotz was elected President of the South African Association for Energy Economics (SAAEE)

A/Prof John Ataguba was selected to join the World Economic Forum's Global Future Council of Health and Healthcare (<https://www.weforum.org/communities/the-future-of-health-and-healthcare>).

Branding SAYAS

Thanks to the SAYAS ExCo 2018, we can now proudly 'wear' our SAYAS badges.



New SAYAS Members 2019

Dr Muyaradzi Marufu is a Senior lecturer and Head of Section Production Animal Clinic:University of Pretoria. He is also a Y2 NRF rated researcher.

Fields of Specialisation- Veterinary Parasitology and Production Animal Studies.

Dr Keagan Pokpas is a Lecturer & Senior Researcher at the University of the Western Cape, Science Faculty, Department of Chemistry, SensorLab.

Fields of Specialisation - Electrochemistry, Nanochemistry, Graphene Chemistry, Paper-based Microfluidics, Analytical Chemistry, Calorimetry, Stripping Voltammetry, Metal Analysis.

Dr Moses Basitere is Senior lecturer: Chemical Engineering Department at the Cape Peninsula University of Technology.

Fields of Specialisation- Water and wastewater Treatment and Engineering Education.

Prof. Mzukisi Njotini is Associate Professor, Faculty of Law at the University of Johannesburg.

Fields of Specialisation- Information and Communication Technology Law, Cyber-Security Law and Industry 4.0 and the Law.

Prof. Rose Hayeshi is a biochemist by training with expertise in preclinical drug develop is currently an Associate Professor at the Preclinical Drug Development Platform, North-West University. She is also Good Laboratory Practice(GLP) Study Director at NWU.

Fields of Specialisation- Biochemistry and Pharmaceutical Sciences.

A/Prof Sudesh Sivasu is Associate Professor of Biomedical Engineering at University of Cape Town and a member of the Global Young Academy.

Fields of Specialisation- Biomedical Engineering, Medical Device Design and Orthopaedic Biomechanics.

Prof. Tricia Naicker is Associate Professor and Director of the Catalysis and Peptide Research Unit, College of Health Sciences, Discipline of Pharmaceutical Science, University of KwaZulu Natal. She is also a Y NRF rated researcher.

Fields of Specialisation- Medicinal Chemistry, Synthetic Organic Chemistry, Pharmaceutical Chemistry.

Dr Usisipho Feleni is Senior Lecturer at the Nanotechnology and Water Sustainability Research Unit (NanoWS), University of South Africa.

Fields of Specialisation- Diagnostics sensors; electrocatalytic membranes; electroanalytical chemistry; electro-

chemical sensors; and nanoelectron-chemistry.

Prof. Willie Chinyamurindi is Associate Professor at the University of Fort Hare (Alice, campus) and lecturer in the Department of Business Management. He is also a Research Niche Area Leader for the Faculty of Management and Commerce, UFH.

Fields of Specialisation- Human capital development and the use of qualitative research methods within the management sciences.

A/Prof Tjaart Kruger is Associate Professor at the University of Pretoria's Department of Physics. He is also a Y1 NRF rated researcher.

Fields of Specialisation- Photosynthetic light harvesting, Biophysics, Quantum Biology, Bio-inspired solar energy, single-molecule spectroscopy, ultrafast spectroscopy.

SAYAS mourns the passing of founding member the late Prof Voster Muchenje

It was with profound sadness that the SAYAS ExCo and SAYAS membership learnt of the passing of founding SAYAS member and past Co-Chair Prof Voster Muchenje. He was a professor of Meat

Science at UFH and co-host of the DST-NRF Research Chair in Meat Science, Genomics to Nutriomics and a member of ASSAf.

The late Voster was an academic giant whose accolades speak for themselves. We at SAYAS remember him for the mentorship role he played to many young scientists and the genuine love, support and encouragement he gave to his students. This was clearly demonstrated in his passion at SAYAS where he helped organise several events so as to ensure they had a voice and were privy to available opportunities. SAYAS held a memorial service for the late Voster on 26 August 2019 at Future Africa, UP. Voster will be greatly missed.



SAYAS Secretariat Contact
Edith Shikumo
Young Scientist Liaison Officer
Academy of Science of South Africa
(ASSAf)
Secretariat
South African Young Academy of
Science (SAYAS)
Switchboard: +27 12 349 6600
Tel: +27 12 349 6614
Email: Edith@assaf.org.za

1st Floor Block A, The Woods, 41 De
Havilland Crescent, Persequor Park,
Meiring Naudé Road, Lynnwood 0020,
Pretoria, South Africa.
PO Box 72135, Lynnwood Ridge 0040,
Pretoria, South Africa.
Website: www.sayas.org.za



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