

NELSON MANDELA
UNIVERSITY



RESEARCH WEEK

9 - 13 September 2024

**Advancing the International Decade of Sciences
for Sustainable Development**

OCEAN SCIENCES CAMPUS, NELSON MANDELA UNIVERSITY, GQEBERHA



THEME: Advancing the International Decade of Sciences for Sustainable Development

Nelson Mandela University is thrilled to host its third annual Research Week, following the remarkable success of the inaugural event in 2022. This year's Research Week has the theme "Advancing the International Decade of Science for Sustainable Development" and is poised to be an even more illuminating and collaborative endeavour, aiming to foster engagement, synergistic partnerships, and enriching networks that contribute to advancing the global research agenda and a thriving research culture within the institution.

During research week, Nelson Mandela University is honoured, under the leadership of the Office of Research Development, to partner with the Department of Science and Innovation (DSI), the Academy of Science of South Africa (ASSAf), the South African Young Academy of Science (SAYAS), the Human Sciences Research Council (HSRC) and the National Research Foundation (NRF) to host the Annual Young Scientists Conference with the theme "Educate an African fit for the 21st Century: Building resilient education systems for increased access to inclusive lifelong, quality and relevant learning in Africa".

In the last three and a half years, Nelson Mandela University has witnessed a transformative shift in its research landscape, solidifying its position as a dynamic hub for academic exploration and international collaboration. With marked growth in international connections and networks in the past four years, the university's commitment to global engagement has never been stronger. Notably, the institution's innovation focus is maturing, evident in the rise of intellectual property awareness and the successful initiation of technology transfer initiatives.

Our dedication to cultivating an environment conducive to innovative research and postgraduate education is exemplified through comprehensive Research and Development initiatives. From a modest foundation, the university has significantly increased the number of postdoctoral fellows, fostering a vibrant academic community. The resounding accomplishments of our researchers have been duly recognized, with global acclaim in the recent THE Impact Rankings, the inspiring platform of TEDx engagements and the announcement of the Mandela Institute for Sustainable Futures. These milestones underscore our commitment to global collaborations, industry partnerships, entrepreneurship, and holistic education.

Building upon the fruitful outcomes of the 2023 Research Week, the 2024 edition promises to expand horizons further. Our focus is on unravelling the intricacies of the research and innovation ecosystem, spanning across the sciences, social sciences, and humanities. With a keen eye on the interplay between academia and these diverse domains, we aspire to illuminate the symbiotic relationships that drive progress.

The program for this week-long event is thoughtfully crafted, offering a plethora of enriching experiences. Expect engaging keynote sessions, illuminating workshops, interactive panel discussions and engaging exhibits. Distinguished scholars, seasoned entrepreneurs, and visionary leaders from across the globe will grace our physical and virtual stages, enriching our understanding of the dynamic intersections of research, innovation, and academia.

We extend a warm invitation to scholars, researchers, students, and practitioners to join us on this exciting journey of exploration and discovery. Let us collectively shape the future of research and innovation, fostering an environment where curiosity knows no bounds, and collaboration knows no limits. The 2024 Nelson Mandela University Research Week is your platform to engage, connect, and contribute, as we collectively catalyse the upward trajectory of research and innovation endeavours, fuelled by the power of local and international collaborations.

Join us for a week of exploration and insight at the Nelson Mandela University 2024 Research Week. Together, we embrace the spirit of inquiry, innovation, and impactful change.

Dr Priscilla Mensah
DIRECTOR: RESEARCH DEVELOPMENT

DAY 1: MONDAY 09 SEPTEMBER 2024

08:30 - 10:00 COFFEE, REGISTRATION AND POSTER EXHIBITION

WELCOME AND OPENING PLENARY SESSION

SESSION CHAIRPERSON: Prof Hendrik Lloyd,

ACTING DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION

VENUE:

VENUE: Plenary Conference Center and Venue 4

<https://www.youtube.com/live/Myf7jE-3BSA>

10:00 - 10:10 MUSIC BY THE MANDELA CHOIR

10:10 - 10:20 **Welcome** by Prof Andre Keet,
ACTING VICE-CHANCELLOR, NELSON MANDELA UNIVERSITY

10:20 - 10:30 **Welcome remarks on behalf of the Academy of Science of South Africa (ASSAf)**
by Prof Himla Soodyall, EXECUTIVE OFFICER, ASSAf

10:30 - 10:40 **Welcome remarks on behalf of the South African Young Academy of Science (SAYAS)** by Prof Moses Basitere and Dr Natisha Dukhi, SAYAS CO-CHAIRS

10:40 - 11:10 **KEYNOTE ADDRESS: Sustainable Development Goals: Country Report 2023**
Mr Imran Patel,
DEPUTY DIRECTOR GENERAL: RESEARCH DEVELOPMENT AND SUPPORT,
DEPARTMENT OF SCIENCE AND INNOVATION

11:10 - 11:30 **NRF's Role in Advancing implementation of 2030 Agenda on Sustainable Development,** Dr Mamoeletsi Mosia, MANAGING DIRECTOR, NRF-SAASTA

11:30 - 11:50 **Leveraging Technology and Innovation for Sustainable Development: Strategies and Success Stories from South Africa**
Mr Patrick Krappie, ACTING CEO, TECHNOLOGY INNOVATION AGENCY

11:50 - 12:00 **Q&A** by Prof Hendrik Lloyd,
ACTING DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION

12:00 - 13:00 **Overcoming Challenges in Education for People with Disabilities: Addressing Barriers at Grassroots and Higher Learning Institutions**
Moderator: Dr Kamini Govender, UFS
Opening remarks, Prof Andre Keet, ACTING VICE-CHANCELLOR, Nelson Mandela University
A broad perspective on inclusive education policies and Universal Design for Learning, Dr Ikechukwu Nwanze, UCT
Intellectual/ genetic disabilities, Prof Himla Soodyall, EXECUTIVE OFFICER, ASSAf
Barriers of inclusion at grassroots level,
Mr Andile Nogaga, DEPARTMENT OF BASIC EDUCATION
Barriers of inclusion at higher learning Institutions,
Dr Nosiphiwo Delubom, NELSON MANDELA UNIVERSITY
Closing remarks, Prof Usisipho Feleni, UNISA, SAYAS

13:00 -14:00 LUNCH AND POSTER EXHIBITION

PARALLEL: SESSION 1					
	Advancing Science and Technology for Human Development	Transformative Education for Lifelong Learning	Artificial Intelligence and Ethical Governance	Interdisciplinary Perspectives on Social Science and Technology	Advancing research through internationalisation: Reflections by students, staff and funders
Moderator:	Prof Moses Basitere	Dr Natisha Dukhi	Prof Usisipho Feleni	Dr Avela Majavu	Dr John Mashayamombe, MANDELA INTERNATIONAL OFFICE
Venue:	Venue 5 https://www.youtube.com/live/jWSJ07U_XQ	Venue 2 https://www.youtube.com/live/a2gMsl9CvIU	Venue 7 https://www.youtube.com/live/ano_rEkWBM	Venue 3 https://www.youtube.com/live/PFCoBW_VW14	Plenary Conference Center https://www.youtube.com/live/Myf7JE-3B5A
14:00-14:15	D. Tshwane	Invited speaker - Dr Nhlanhla Mpofo RHODES	Invited speaker - Prof Dane Brown RHODES	Invited speaker- Prof Wilie Chinyamurindi FORT HARE	Ms Olwethu Poswayo, PHD CANDIDATE IN CHEMISTRY, NELSON MANDELA UNIVERSITY
14:15-14:30	X. Nxele	E. Rzyankina	M. Ngon-goma	K. Tobias	Ms Emma Ayesu-Koranteng, DEPARTMENT OF BUILDING AND HUMAN SETTLEMENTS, NELSON MANDELA UNIVERSITY
14:30-14:45	M. Londani	Z. Sikhunyana	N. Tsebese-be	B. Nhleko	Dr Qinisani Qwabe, AGRICULTURAL SCIENCE, NELSON MANDELA UNIVERSITY
14:45-15:00	S. Gcayi	P. Kutumela	T. Makamu	H. Phetha	Dr Alice King, EDUCATION ADVISOR AND OUTREACH SPECIALIST UNITED STATES CONSULATE, CAPE TOWN
15:00-15:15	K. Bobotyana	W .Vambe	P. Osiesi	D. Mogano	
15:15-15:30	M. Rapiya	JP Basson	S. Muchaku	E. Motloutsi	
15:30-15:45	S. Xaba	M. Ramulumo	P. Mogoale	T. Chizema	
15:45-16:00	T. Ajiboye		Z. Ngqula		
16:00-17:00 COCKTAIL HOUR					
17:00-19:00	Book Launch: Rocklands: On Becoming the First Generation of Black Psychologists in Post-Apartheid South Africa by Prof Liezille Jacobs https://www.africanminds.co.za/rocklands/ VENUE: Plenary Conference Center https://www.youtube.com/live/Myf7JE-3B5A				

DAY 2: TUESDAY 10 SEPTEMBER 2024			
08:00-08:30 COFFEE, REGISTRATION AND POSTER EXHIBITION			
PARALLEL: SESSION 2			
08:30-10:30	08:30-09:30 Working in Science, Technology, Engineering, Mathematics, and Innovation (STEMI): The Female Perspective	Spotting the Wolves: Protecting Your Research from Predatory Publishers,	Strengthening Africa's food systems Moderator: Dr Qinisani Qwabe, AGRICULTURAL SCIENCE, NELSON MANDELA UNIVERSITY
	09:30-10:30 Navigating Career Pathways in STEM: Insights from Women Leaders in Academia, Industry, and Business (The Organization for Women in Science for the Developing World)	Ms Susan Veldsman, ACADEMY OF SCIENCE OF SOUTH AFRICA (ASSAf)	Applications of 4IR Technologies in Postharvest Horticultural and Food Systems Prof Olaniyi Amos Fawole, POSTHARVEST AND AGROPROCESSING RESEARCH CENTRE, UNIVERSITY OF JOHANNESBURG
	Moderator: Dr Natisha Dukhi (SAYAS CO-CHAIR; OWSD SA NC EXCO, HSRC) Panellists: Dr Nqobile Gumede, Director: INNOVATION OFFICE, NELSON MANDELA UNIVERSITY Prof Keolebogile Motaung, FOUNDER AND CEO GLOBAL HEALTH BIOTECH Dr Geraldine Timothy, HEAD: QUALITY OF CARE, DISCOVERY HEALTH Dr Priscilla Mensah, DIRECTOR: RESEARCH DEVELOPMENT, NELSON MANDELA UNIVERSITY		Climate-smart agriculture for food security: Technologies for smallholder agriculture in Africa Dr Selorm Dorvlo, DEPARTMENT OF AGRICULTURAL ENGINEERING UNIVERSITY OF GHANA Leveraging indigenous knowledge to address food insecurity in Africa Dr Ethel Phiri, SUSTAINABLE AGRICULTURE PROGRAMME, STELLENBOSCH UNIVERSITY
Venue:	Plenary Conference Center https://www.youtube.com/live/34jqu0lk2qI	Venue 3 https://www.youtube.com/live/N0o46jZh34c	Venue 4 https://www.youtube.com/live/upZq_Ax_jkU
10:30-11:15 GROUP PHOTO & TEA BREAK			

PARALLEL: SESSION 3

	Advancing Science and Technology for Human Development	Transformative Education for Lifelong Learning	Advancing Science and Technology for Human Development	Advancing Science and Technology for Human Development		Intra-Africa, BRICS, and EU Collaborations: Navigating Challenges, Opportunities, and Funding Avenues	nGAP Seminar: Career Choices of Students in Technical and Vocational Education and Training Colleges	Inclusive and Sustainable Use of Coastal and Marine Resources: Fisheries from Nursery to Governance
Moderator:	Dr Mubeen Goolam	Dr Nhlanhla Mpofu	Prof Dane Brown	Prof Wilie Chinyamurindi		Dr Nehemiah Latolla, Mandela International Office and Dr Nyaradzwo Dhlwayo, AFRICA EARTH OBSERVATORY NETWORK, NELSON MANDELA UNIVERSITY	Dr Walters Doh Nubia, DEPARTMENT OF POSTGRADUATE STUDIES, NELSON MANDELA UNIVERSITY	Dr Denise Schael, DIRECTOR: INSTITUTE FOR COASTAL AND MARINE RESEARCH, NELSON MANDELA UNIVERSITY
Venue:	Venue 2 https://www.youtube.com/live/N0oA6jZh34c	Venue 3 https://www.youtube.com/live/upZq_Ax_jkU	Venue 6 https://www.youtube.com/live/x2jC-MytfhU	Venue 7 https://www.youtube.com/live/c9INngEBCVk		Plenary Conference Center https://www.youtube.com/live/34jqu0lk2qI	Venue 4 https://www.youtube.com/live/b8eXMEL3h74	Venue 5 https://www.youtube.com/live/j60vGcB2rMs
11:30-11:45	A. Manyenyeza	P. Morifi	G. Miya	C. Nephumbada		His Excellency Prof Bobby Moroe, CONSUL-GENERAL OF SOUTH AFRICA LAGOS, NIGERIA	Presenter: Dr Lucky Maluleke, TVET AND CAREERSHIP SCHOLAR, NELSON MANDELA UNIVERSITY	Though they be but little, are they fierce? Microbi-alite pools as connectors of coastal communities, Dr Gavin Rishworth, DEPARTMENT OF ZOOLOGY, NELSON MANDELA UNIVERSITY
11:45-12:00	S. Jimoh	M. Munyadziwa	K. Auld	P. Mwanza		Ms Vinny Pillay, ACTING DIRECTOR-GENERAL, INTERNATIONAL RESOURCES AND COOPERATION, DSI	Respondent: Mr Olwam Mnqwazi, MANAGING DIRECTOR: BLACK HAT GROUP	High quality nursery habitats and their importance for fishery species, Prof Nicola James, SOUTH AFRICAN INSTITUTE FOR AQUATIC BIODIVERSITY (SAIAB)
12:00-12:15	P. Dlamini	A. Motloutsi	V. Manga	P. Tshigoli				Computer modelling the impacts of the ocean environment and climate change on two commercial fishery shrimp larvae species in Mozambique, Dr Bernadino Malauene, POSTDOCTORAL FELLOW UNDER THE RESEARCH CHAIR FOR OCEAN SCIENCE AND FOOD SECURITY, NELSON MANDELA UNIVERSITY
12:15-12:30	M. Mopai	M. Kuse	T. Juqu	N. Matjomane Ngobeni		Prof Syden Mishi, DEPARTMENT OF ECONOMICS, NELSON MANDELA UNIVERSITY		A transdisciplinary research project in coordination with the First Indigenous Peoples of South Africa to document, interpret and move awareness on the Eastern Cape fish traps, Prof Magda Minguzzi, SCHOOL OF ARCHITECTURE, NELSON MANDELA UNIVERSITY
12:30-12:45	B. Masango	S. Sanjigadu	L. Siviya	S. Sibanda		Dr Sunday Ogunlaja, DEPARTMENT OF CHEMISTRY, NELSON MANDELA UNIVERSITY		Learning with women seaweed harvesters, Dr Buhle Francis and Ms Irna Senekal, CENTRE FOR INTEGRATED POST-SCHOOL EDUCATION & TRAINING (CIPSET), NELSON MANDELA UNIVERSITY
12:45-13:00	L. Mdlalose	M. Musie	R. Botete	M. Ncayiyana		Prof Darelle van Greunen, DISTINGUISHED PROFESSOR OF INFORMATION TECHNOLOGY, NELSON MANDELA UNIVERSITY		
13:15-14:00	LUNCH AND POSTER EXHIBITION							

PARALLEL: SESSION 4

	Advancing Science and Technology for Human Development	Transformative Education for Lifelong Learning	Artificial Intelligence and Ethical Governance	Advancing Science and Technology for Human Development
Moderator:	Dr Mubeen Goolam	Prof Moses Basitere	Chair: Dr Avela Majavu	Dr Natisha Dukhi
Venue:	Venue 2 https://www.youtube.com/live/N0o46jZh34c	Venue 3 https://www.youtube.com/live/upZq_Ax_jkU	Venue 6 https://www.youtube.com/live/s2JC-MytfhU	Venue 7 https://www.youtube.com/live/c9INngEBCVk
14:00-14:15	K. Yokwana	W. Matekenya	N. Mkize	B. Nkuna
14:15-14:30	M. Vere	E. Sibanda	M. Chueng	M. Chabalala
14:30-14:45	M. Moreki	M. Mohube	T. Harry	M. Shipalana
14:45-15:00	P. Ndhlovu	S. Mtolo	J. Bhanye	S. Ngwenya
15:00-15:15				

18:00-20:00 **GALA DINNER (BY INVITATION ONLY)**

	The Role of Law in Improving Service Delivery	Profiling Postdoctoral and Research Fellows at Mandela	Inclusive and sustainable use of coastal and marine resources: Sustainability, Protection and Governance of Fisheries
	Dr Molefhi Phorego, NELSON MANDELA UNIVERSITY	Dr Victor Agbakoba, POSTDOCTORAL FELLOW FACULTY OF SCIENCE, NELSON MANDELA UNIVERSITY	Dr Tanya Wagenaar, DEPARTMENT OF PUBLIC LAW, NELSON MANDELA UNIVERSITY
Venue 4	Venue 4 https://www.youtube.com/live/b8eXMEL3h74	Plenary Conference Center https://www.youtube.com/live/34ju0lk2qj	Venue 5 https://www.youtube.com/live/j60vGcB2rMs
Mr Reade Foong	Dr David Damiyano POSTDOCTORAL FELLOW FACULTY OF BUSINESS AND ECONOMIC SCIENCES, NELSON MANDELA UNIVERSITY	The value of Marine Protected Areas, Prof Mandy Lombard, SARCHI IN MARINE AND SPATIAL PLANNING	
Mr Lwandile Msimanga	Dr Sixolile Mazwane POSTDOCTORAL FELLOW FACULTY OF SCIENCE, NELSON MANDELA UNIVERSITY	Valuing non-priced goods: economic valuation of coastal and marine resources, Prof Syden Mishi, DEPARTMENT OF ECONOMICS, NELSON MANDELA UNIVERSITY	
Ms Zandile Jiyana	Dr Lungelwa Mahanjana POSTDOCTORAL FELLOW FACULTY OF SCIENCE, NELSON MANDELA UNIVERSITY	Defining customary fishing rights in South African fisheries law, Dr Anthea Christoffels-du Plessis, DEPARTMENT OF CRIMINAL AND PROCEDURAL LAW, NELSON MANDELA UNIVERSITY	
	Dr Carla Edworthy RESEARCH FELLOW FACULTY OF SCIENCE, NELSON MANDELA UNIVERSITY	The status of the shared hake stocks in South Africa and Namibia with a focus on their long-term sustainability, Dr Hashali Hamukuaya, RESEARCH ASSOCIATE, INSTITUTE FOR COASTAL AND MARINE RESEARCH	
	Dr Nyaradzo Dhiwayo POSTDOCTORAL FELLOW FACULTY OF SCIENCE, NELSON MANDELA UNIVERSITY	Illegal Fishing as Transnational Organised Crime & the FishFORCE Approach, Mr Michael de Lange, FISHFORCE NELSON MANDELA UNIVERSITY	

DAY 3: WEDNESDAY 11 SEPTEMBER 2024

PARALLEL: SESSION 5

08:00-08:30 COFFEE, REGISTRATION AND POSTER EXHIBITION					
08:30-10:30	<p>Postdoctoral Workshop: Demystifying the NRF rating process: When and how to apply for NRF rating</p>	<p>Reimagining the Humanities at Mandela University: Assessing Progress, Impact, and Future Directions on the Revitalisation of the Humanities Five Years On</p>	<p>Reimagining schools as beacons of hope in socioeconomically marginalised communities</p>	<p>3 Minute Thesis Competition</p>	<p>Integrating Indigenous and underutilised crops (IUCs) into national agricultural policies and strategies</p>
Moderator:	<p>Ms Nosisa Dube, ACTING EXECUTIVE DIRECTOR: RESEARCH AND EVALUATION, NATIONAL RESEARCH FOUNDATION</p>		<p>Prof Deidre Geduld</p>	<p>Dr Pulleng Moleko-Boyce, PROJECT MANAGER, SCIENCE CENTER, NELSON MANDELA UNIVERSITY</p>	<p>Dr Ndumiso Ngidi, SCHOOL OF AGRICULTURE, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF KWAZULU NATAL</p>
Venue:	<p>Venue 4 https://www.youtube.com/live/J_iOzdbUJI0</p>	<p>Plenary Conference Center https://www.youtube.com/live/zpliiBZLr0</p>	<p>523 0112, Missionvale Campus</p>	<p>Venue 6 https://www.youtube.com/live/cxMX-3kX4kE</p>	<p>Venue 5 https://www.youtube.com/live/Vq-wqPq91Bc</p>
		<p>Acting Vice Chancellor Andre Keet</p> <p>The Rationale for Revitalising the Humanities at Nelson Mandela University</p> <p>Dr Jacqui Lück, Prof Pieter Binsbergen, Prof Marius Crous, Prof Babalwa Magoqwana, Prof Nomalanga Mkhize</p> <p>Reflecting on the key questions that have driven the Revitalisation of the Humanities at Nelson Mandela University</p> <p>Prof Pamela Maseko, Prof Adrian Konik and Prof Nomalanga Mkhize</p> <p>Cultivating the Next Generation of Scholars: Building Capacity for the Revitalisation of the Humanities</p> <p>Q & A</p>	<p>Historical and contemporary challenges facing South African schools,</p> <p>Dr Bruce Damons, DIRECTOR: ENGAGEMENT OFFICE, NELSON MANDELA UNIVERSITY</p> <p>The Community School: A South African model,</p> <p>Dr Silindile Malangeni, INSTITUTIONAL STRATEGY OFFICE, NELSON MANDELA UNIVERSITY</p>	<ul style="list-style-type: none"> Welcome and Introduction of Judges Keynote presentation <p>09:30 – 09:40 Welcome and Judges Introductions Masters Finalist talks and Judges comments (Q&A)</p> <p>09:40 – 09:48 Marishka Govender (219466955) Reconstructing past environments: a new phytolith record covering the Holocene from the Baviaanskloof, southern Cape interior, South Africa</p> <p>09:48 – 09:56 Athule Nganibani (219679355) Application of machine learning to credit risk analysis</p> <p>09:56 – 10:04 Siyanda Mazibuko (217572537) Surveillance of antimicrobial resistant bacteria and resistance genes in the influent and effluent of a wastewater treatment plant in Nelson Mandela Bay.</p> <p>10:04 – 10:12 Lauren Maytham (212210548) Young Adults' use of Social Media Platforms in Maintaining Passion and Intimacy within Romantic Love Relationships</p> <p>10:12 – 10:24 Okuhle Maqina (219511144) 30 years of democracy, have we achieved equality in the employment context? Evaluating discrimination on an "Arbitrary ground."</p> <p>10:24 – 10:32 Andi Pujirana (226037592) APMOVPE Growth and Characterisation of High Nitrogen Composition GaAs 1-xN epilayers</p>	<p>KEYNOTE ADDRESS: The Strategic Importance of Indigenous and Underutilized Crops (IUCs) in National Agriculture,</p> <p>Mr Billy Mahlare, DIRECTOR: PLANT PRODUCTION, DEPARTMENT OF AGRICULTURE</p> <p>Overview of Indigenous and Underutilized Crops (IUCs) and Their Role in the African Community,</p> <p>Dr Qinisani Qwabe, DEPARTMENT OF AGRICULTURAL SCIENCES, NELSON MANDELA UNIVERSITY</p> <p>Current Status of IUCs in National Agricultural Policies and Strategies,</p> <p>Prof Ndiko Ludidi, DEAN: FACULTY OF AGRICULTURE AND NATURAL SCIENCES, UNIVERSITY OF MPUMALANGA</p> <p>The Economic Potential of Indigenous and Underutilised Crops in National and Global Markets,</p> <p>Dr Sussy Munialo, Postdoctoral Fellow, ARUA CENTRE OF EXCELLENCE IN SUSTAINABLE FOOD SYSTEMS</p>

10:30-11:00 TEA BREAK

PARALLEL: SESSION 6

11:00-13:00	Postdoctoral Workshop: Demystifying the NRF rating process: When and how to apply for NRF rating	Demonstrating Impact: A Show-and-Tell of the Revitalisation of the Humanities Initiatives, Innovations and Achievements at Nelson Mandela University	Reimagining schools as beacons of hope in socioeconomically marginalised communities	3 Minute Thesis Competition	Integrating Indigenous and underutilised crops (IUCs) into national agricultural policies and strategies
Moderator:	Ms Nosisa Dube, ACTING EXECUTIVE DIRECTOR: RESEARCH AND EVALUATION NATIONAL RESEARCH FOUNDATION	Prof Pamela Maseko, EXECUTIVE DEAN: FACULTY OF HUMANITIES, NELSON MANDELA UNIVERSITY	Dr Eileen Scheckle DEPARTMENT OF LANGUAGE AND LITERACY, FACULTY OF EDUCATION, NELSON MANDELA UNIVERSITY	Dr Pulleng Moleko-Boyce, PROJECT MANAGER, SCIENCE CENTER, NELSON MANDELA UNIVERSITY	Dr Ndumiso Ngidi, SCHOOL OF AGRICULTURE, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF KWAZULU NATAL
Venue:	Venue 4 https://www.youtube.com/live/J_JOzdbUJl0	Plenary Conference Center https://www.youtube.com/live/zpllibZLr0	523 0112, Missionvale Campus	Venue 6 https://www.youtube.com/live/cxMX-3kX4kE	Venue 5 https://www.youtube.com/live/Vq-wqPq91Bc
	Dr Gabby Dlamini The value of researching Youtube: from the mundane to the exceptional Prof Subeshni Moodley and Tarryn Rennie Applied Media & Communication: Revitalising the Humanities One Project at a Time Glenn Holtzmann and students Co-creating compositions for motion pictures through joint experimentation Siya Oldtyeni (Masters student) Steel Pan tuition in South Africa Wandile Msipa The Power of Black Tax Q & A	The role of families and communities in reclaimng our schools, Mr Monga Peter, NATIONAL ASSOCIATION OF SCHOOL GOVERNING BODIES (NASGB) A Critical Participatory Approach to co-construct School Improvement Plans, Dr Noluvo Rangana, POSTGRADUATE ASSESSMENT OFFICER, NELSON MANDELA UNIVERSITY Communities of Practice as spaces for co-construction, Ms Tracey Wagenaar, WESTERN CAPE EDUCATION DEPARTMENT Moderator: Mr Jabu Bam, CENTRE FOR THE COMMUNITY SCHOOL, NELSON MANDELA UNIVERSITY The process of a university team managing an NRF- funded community engagement project, MR XOLA QUVILE, SCHOOL OF MEDICINE, NELSON MANDELA UNIVERSIT Short Learning Programme Offerings, Mr Nkosinathi Mzuzu, CENTRE FOR THE COMMUNITY SCHOOL, NELSON MANDELA UNIVERSITY		<ul style="list-style-type: none"> Welcome and Introduction of Judges Keynote presentation 11:00 – 11:08 Ezekiel Majola (s215338979) Vocational Education And The Relentless Struggles Of TVET Graduates In South Africa: A Freirean Approach 11:08 – 11:16 Monica Tshangana (4506467) Transforming Stakeholder Engagement Through Leveraging on Branding and Experience Marketing: An Analysis of a selected South African Higher Education Institution 11:16 – 11:24 Fundile Nyaweni (224349309) Mathematical modelling of tumour treatment with chemotherapy 11:24 – 11:32 Clifford Uwuoruya (215241681) "I be African Man Original": A Study of the Vernacular Intellectual Contribution of Fela Anikulapo Kuti in Postcolonial Nigeria. 11:32 – 11:40 Jeewa Kawthar (215184440) [Re]calling Créole houses: decolonising the Créole architecture of Port Louis, Mauritius 11:40 – 11:48 Maryline Vere (226225283) Prevalence of schistosomiasis and Soil Transmitted Helminthiasis (STHs) among school going children in Nelson Mandela Bay. 11:48 – 11:56 Dakalo Singo (217177921) The Anti-Obesity Effects of Blueberry Gold Nanoparticles on High- Fat Induced Rats. 11:56 – 12:04 Priviledge Kanotangudza (221358013) Navigating the digital age: A manual for digital natives 12:12 – 12:20 Zizipho Mbokazi Ngayeka (214077454) Recovery of PGMs from Waste such as Spent Catalytic Converters and Mine Waste. 12:20 – 12:28 Thembeke Sdinane (211069310) Religious rituals and psychological well-being in selected Zionist churches from the rural communities in the Eastern Cape Province, South Africa 12:28 – 12:40 Judges Final Comments Judges Feedback (2 – 3 minutes per Judge) 12:40 – 13:00 Judges Breakaway Venue TBA People's Choice Vote (Google Form)	Identifying Gaps in Existing Policies and Exploring Opportunities for IUCs Integration Dr Sharon Lungu, FSNET RESEARCH FELLOW

13:00-14:00 LUNCH AND POSTER EXHIBITION

PARALLEL: SESSION 7

14:00-16:00	Creative tomorrows: The future of the SA cultural economy.	The Vernacular Archive as a Catalyst for Africa-Purposed Curriculum in the Revitalisation of the Humanities	Reimagining schools as beacons of hope in socioeconomically marginalised communities		Factors Influencing Student Success: An Interfaculty Humanising Philosophical Approach at Nelson Mandela University	Integrating Indigenous and underutilised crops (IUCs) into national agricultural policies and strategies
Moderator:	Ms Unathi Lutchaba, EXECUTIVE DIRECTOR, SOUTH AFRICAN CULTURAL OBSERVATORY	Prof Pamela Maseko, EXECUTIVE DEAN: FACULTY OF HUMANITIES, NELSON MANDELA UNIVERSITY	Dr Bruce Damons, DIRECTOR: ENGAGEMENT OFFICE, NELSON MANDELA UNIVERSITY		Ms Andrea Govender, SCHOOL OF ACCOUNTING, NELSON MANDELA UNIVERSITY	Dr Ndumiso Ngidi, School of Agriculture, EARTH AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF KWAZULU NATAL
Venue:	Venue 4 https://www.youtube.com/live/J_I0zdBUIJ0	Plenary Conference Center https://www.youtube.com/live/zpliiBZLr0	523 0112, Missionvale Campus		Venue 3 https://www.youtube.com/live/cxMX-3kX4RE	Venue 5 https://www.youtube.com/live/Vq-wqPq91Bc
	<ul style="list-style-type: none"> National Policy Making Fashion design industry case study Funding models The new African Journal of Creative Economy (AJCE) 	<p>Mr Lukhanyo Neer (THABO MBEKI FOUNDATION)</p> <p>Preserving Legacy and Reimagining Futures: The Lovedale Press and its significance in Contemporary Scholarship</p> <p>Ms Precious Bikitsha</p> <p>Ephemeral Literary Productions and their role in the construction of African Intellectual histories</p> <p>Prof Pamela Maseko</p> <p>Reclamation of African Intellectual Histories and launching of "Jonas Ntsiko: Hadi Waseluhlangeni Collected Writings (1873-1916)"</p> <p>Q & A</p>	Co-constructing the Reimagining of South African Schools Symposium calls to action			<p>Formulating Strategic Objectives and Action Plans (Part 1): Setting Strategic Objectives for Integrating IUCs into National Policies,</p> <p>Prof Nomalanga Mkhize, DOS: SCHOOL OF GOVERNMENTAL AND SOCIAL SCIENCES, NELSON MANDELA UNIVERSITY</p> <p>Formulating Strategic Objectives and Action Plans (Part 2): Actionable strategies and policy recommendations for IUCS integration,</p> <p>Prof Nomalanga Mkhize, DOS: SCHOOL OF GOVERNMENTAL AND SOCIAL SCIENCES, NELSON MANDELA UNIVERSITY</p> <p>Best Practices for Implementing Agricultural Policies for Indigenous Crops,</p> <p>Ms. Vanessa Black, ADVOCACY, RESEARCH AND POLICY COORDINATOR, BIOWATCH</p> <p>Designing Implementation and Monitoring Frameworks for IUCS Policies, Participants Consolidating ideas and finalizing the draft action plan,</p> <p>Ms. Zitandile Mfono, LECTURER: HUMAN NUTRITION AND DIETETICS, NELSON MANDELA UNIVERSITY</p> <p>Next Steps: Discussion on follow-up actions and establishing a working group,</p> <p>Dr Ndumiso Ngidi, LECTURER: DEPARTMENT OF AGRICULTURAL SCIENCES, NELSON MANDELA UNIVERSITY</p>

16:00-17:00 COCKTAIL HOUR

17:00-19:00	<p>Book Launch by the Faculty of Humanities</p> <p>Complexities of South African History and Politics: The Land Question and Labour Tenancy in South Africa</p> <p>VENUE: Plenary Conference Center</p> <p>https://www.youtube.com/live/zpliiBZLr0</p>	<p>Screening of the Film SPIRITS OF THE LAND: MATHONGA ELIZWE</p> <p>(A collaboration between Nelson Mandela University, University of Johannesburg, National Research Foundation, National Institute for the Humanities and Social Sciences and the Association for Rural Development)</p>
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DAY 4: THURSDAY 12 SEPTEMBER 2024

PARALLEL: SESSION 8

08:00-08:30	COFFEE, REGISTRATION AND POSTER EXHIBITION	
08:30-10:30		SAIMI Research Symposium
VENUE:	Plenary Conference Center https://www.youtube.com/live/d0mX7eamh0U	Venue 5
09:00-09:15	Welcome and Opening Remarks Session Chair: Dr. Nqobile Gumede	A definition of the South African ocean economy and useful applications of this definition, Prof S Hosking Assessing Ecological Changes and Socioeconomic Dynamics in complex Marine Ecosystems, Dr A Towner A Review of the Ecotoxicological Effects of Microplastics in South Africa. Dr C Sparks
09:15-09:45	Keynote Address: The Role of Innovative Publicly Funded Research in Higher Education in Promoting the Achievement of the SDGs Presenter: Ms. Jetane Charsley CHIEF DIRECTOR (HEAD), NIPMO, DEPARTMENT OF SCIENCE AND INNOVATION, SOUTH AFRICA	
09:45-10:15	09:45 – 10:00 Presentation: The Contribution of the Global Health Innovation Accelerator (GHIA) and the Medical Device and Diagnostic Innovation Cluster (MeDDIC) to achieving the SDGs Presenter: Ms Grace Baloyi, Position: Manager, Global Health Innovation Accelerator (GHIA); Technology Transfer Office (TTO), MeDDIC & Grants Programmes, Medical Research Council, South Africa	
	09:45 – 10:15 Presentation: The Role of Innovation in Advancing the SDGs Presenter: Ms. Tshembani Khupane Position: Senior Programme Manager, Technology Innovation Agency (TIA)	
10:15-10:30	10:15 – 10:30 Presentation: How the Technology Innovation Agency's Technology Station Supports the SDGs Presenter: Ms. Nickey Janse van Rensburg Position: Manager, Process, Energy & Environment Technology Station, University of Johannesburg	
	Q&A Session	
10:30-11:00	TEA BREAK	

PARALLEL: SESSION 9

	Panel Discussion: Innovation for SDG 7: Affordable and Clean Energy	Advancing Early Career Researchers and Scholars (AECRS Programme)	SAIMI Research Symposium Fostering an Epistemic Shift through the Maritime and Local Knowledge:
VENUE:	Plenary Conference Center https://www.youtube.com/live/d0mX7eamh0U	Venue 4 https://www.youtube.com/live/-rOzOaRcVto	Venue 5 https://www.youtube.com/live/FFF4vPdCJoo
11:00-12:00	Facilitator: Professor Van Greunen DISTINGUISHED PROFESSOR AND DIRECTOR OF THE CENTRE FOR COMMUNITY TECHNOLOGIES NELSON MANDELA UNIVERSITY Panelists: Prof Sampson Mamphweli, HEAD OF ENERGY SECRETARIAT, SOUTH AFRICAN NATIONAL ENERGY DEVELOPMENT INSTITUTE (SANEDI) Dr. Jacqui Crozier McClelland, OPERATIONS MANAGER, PVINSIGHT (PTY) LTD Ms Edem Foli, PROJECT MANAGER, UYILO E-MOBILITY TECHNOLOGY PROGRAMME	Prof Stephanie Burton, AECRS PROGRAMME LEADER, UNIVERSITIES SOUTH AFRICA (USAf)	A contribution to Advancing the International Decade of Sciences for Sustainable Development. Prof Y Seleti From Pond to Pill: The Promise of Aquatic Plants in Medicine. Dr A-M Kok Environmental Conservation, Protection and the Sustainable Use of Marine Ecosystems and Resources in SADC and SA, Dr B Mubiwa

12:00-13:00	<p>Panel Discussion - Innovation in SDG 3: Good Health and Well-being</p> <p>Facilitator: Prof Percy Hlangothi, PROFESSOR AND DIRECTOR – CENTRE FOR RUBBER SCIENCE & TECHNOLOGY, NELSON MANDELA UNIVERSITY</p> <p>Panelists:</p> <p>Dr. Thandeka Khoza, VACCINE MANUFACTURING RESEARCHER, UNIVERSITY OF KWAZULU-NATAL</p> <p>Dr. Reno Morar, Director, MEDICAL PROGRAMME, NELSON MANDELA UNIVERSITY</p> <p>Prof. Paul Watts, DISTINGUISHED PROFESSOR AND SARCHI CHAIR, NELSON MANDELA UNIVERSITY</p>
13:00-14:00	LUNCH AND POSTER EXHIBITION

PARALLEL: SESSION 10		
14:00-16:00	Postgraduate Innovation Pitching Competition	SAIMI Research Symposium
VENUE:	Plenary Conference Center https://www.youtube.com/live/d0mX7eamh0U	Venue 5
	<p>Facilitator: Ms Mbali Ngube</p> <p>Judges:</p> <p>Ms Ludwe Macingwane, EAST LONDON INDUSTRIAL DEVELOPMENT ZONE (IDZ)</p> <p>Ms Akhona Dano, NELSON MANDELA IAHUB</p> <p>Ms Linda Lawrie, PROPELLA TECHNOLOGY BUSINESS INCUBATOR</p> <p>Prof Percy Hlangothi, NELSON MANDELA UNIVERSITY</p> <p>Dr Anathi Njokweni, NELSON MANDELA UNIVERSITY</p>	<p>The Future of Energy is Alternative. Prof Moctar Doucoure</p> <p>Review and Revision of the STCW Convention and Safe handling of alternative fuels for seafarers, Prof M Pourzanjani</p> <p>Investigating cybersecurity vulnerabilities on essential communications systems on maritime vessels. Mr Tshepo Mawer</p> <p>Addressing Water Supply Challenges through Aquifers. Z.Dlamini, D.January, and M.Songelwa</p>
16:00-17:00	COCKTAIL HOUR	
17:00-19:00	<p>Book Launch: Research methods for economics by S Mishi and A Maredza</p> <p>https://www.vanschaiknet.com/book/view/633</p> <p>VENUE: Plenary Conference Center</p>	

DAY 5: FRIDAY 13 SEPTEMBER 2024

08:00-09:00	COFFEE, REGISTRATION AND POSTER EXHIBITION	
VENUE:	Plenary Conference Center and Venue 4	https://www.youtube.com/live/2ICUL5hMg24
09:00-09:10	Welcome by Mr Lindsay Reid, DIRECTOR: LIBRARY AND INFORMATION SERVICES, NELSON MANDELA UNIVERSITY	
09:10-09:30	Integration of Artificial Intelligence in Academic Libraries, Prof Darelle van Greunen, DIRECTOR: CENTRE FOR COMMUNITY TECHNOLOGIES	
09:30-09:50	Transforming Academic Libraries: The Impact of Artificial Intelligence on Research, Data Management, and User Experience, Dr Creswell du Preez, IT PROFESSIONAL AND ADVISOR	
09:50-10:10	Generative AI at EBSCO, Pius Nketiah, LIBRARY SERVICES ENGINEER : EBSCOHOST	
10:10-10:30	Q&A	
10:30-11:00	TEA BREAK	
11:00-11:20	Research Trends in Africa: Focus on Sustainable Development Goals (SDGs), Tami King, ACCOUNT MANAGER: CLARIVATE	
11:20-11:40	Harnessing Extended Reality (XR) for Sustainable Education in Health Sciences, Nathier Rhoda, Medical Education Solution Specialist: Learning Curve	
11:40-12:00	From Robotlabs to Papermills: How Is AI Affecting Research and Scholarly Publishing? Anita de Waard, VP RESEARCH COLLABORATIONS, ELSEVIER	
12:00-12:10	Q&A	
12:10-13:00	Ensuring Hyperlink Integrity of Online Databases at Nelson Mandela Library: The CheckURL Extension, Mr. M. Makananisa, LIBRARY ASSISTANT (SOUTH CAMPUS), NELSON MANDELA UNIVERSITY	
13:00-14:00	LUNCH AND POSTER EXHIBITION	
14:00-14:30	Adoption of Artificial Intelligence for Offering Innovative Services in an Academic Library, Ms L. Magoso, LIBRARIAN INFORMATION AND TRAINING : GEORGE CAMPUS	
14:30-15:00	Q&A	
15:00-15:30	<p>Presentation of Prizes:</p> <ul style="list-style-type: none"> Library Lucky draws 3 Minute Thesis Competition Poster Competition Winner of postgraduate innovation pitching competition 	
15:30-15:40	Vote of thanks, Prof Hendrik Lloyd, ACTING DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION	