



Panelist 1: Dr Ntsoaki Malebo
Email: nmalebo@cut.ac.za



Dr Ntsoaki Malebo holds a PhD in Microbiology from the University of the Free State and Post Graduate Diploma in Higher Education from Rhodes University. She is currently Senior Director at the Centre for Innovation in Learning and Teaching and an NRF grant holder registered as a Professional Natural Scientist with South African Council for Natural Scientific Professions. She supervises students at Masters and Doctoral level in the field of Food Safety where her research focus is the use of medicinal plants for food preservation. She is published in peer reviewed journals and has presented at local and international conferences.

Photochemical Screening of Medicinal Plants: Analytical Methods and Application

Medicinal plants are known for various therapeutic properties. This indigenous knowledge has been used on the continent for centuries. The properties include antibacterial; antiviral; anti-inflammatory; antifungal; anti-mutagenic and anti-carcinogenic with antioxidant properties. Despite this existing indigenous knowledge, information regarding mechanisms of action of most medicinal plants is limited. Moreover, chemical composition and structures of compounds in most traditional plants remain unknown. In order to harness the therapeutic potential of medicinal plants and to affirm indigenous knowledge therein, numerous modes of action by medicinal plants should be investigated for development of novel medicines for therapeutic use and for beneficitation of communities. The investigation should include an exploration of various extraction methods and analysis of indigenous medicines. The presentation will focus on scientific developments in the field of medicinal plants research taht continues to affrim knowledge that has existed within African communities.

INVTATION





**Panelist 2: Mocholoko (Dr),
Zulumathabo Zulu**
Email: zulumathabo@yahoo.ca



Mocholoko (Dr), Zulumathabo Zulu is a doctoral practitioner; metaphysical scientist; inventor; author of books and software engineer with experience in North America. He completed doctoral dissertation with Basotho School of Mophato in 2017. He completed Honours in Mathematics and Computing Science in 1997 and Post-Graduate in Object Oriented Analysis and Design in 1998 in Canada. His latest scholarly paper is African Drum Telegraphy and Indigenous Innovation for the University of Pretoria. Zulu is a Research Scientist and Director for Madisebo University College Institute in Sandton. He is a member of American Mathematical Society, Association of Computing Machinery and ANFASA.

African Origin of Causality: Philosophical Principles of Aetiology

The COVID-19 situation has created an extreme sense of urgency with respect to finding a cure. To solve a problem, it is imperative to understand the metaphysical cases of causality. This necessitates a paradigm case with respect to the conceptualisation of the problem. In a discourse that is flush with the dominance of Western ideas, what is the role of indigenous medicine? How does African therapeutics conceptualise about the aetiology of disease? We show herein that indigenous medicine has the potential to broaden and to enrich the etiological and therapeutic discourse from the treasure chest of its unique insights.

INNOVATION





Panelist 3: Prof Nceba Gqaleni
Email: nceba.gqaleni@ahri.org



Prof Nceba Gqaleni obtained a masters at the former University of Natal and a doctorate at the University of Strathclyde in Scotland. He is a Faculty Member of the African /health Research Institute, an Honorary Research Professor at the Durban University of Technology and a Visiting Professor at the Vaal University of Technology. He was appointed by the Minister of Health to serve as a member of the Interim Traditional Health Practitioners Council of South Africa. He previously served as leader of the Traditional Medicine programme, Director of the Centre for Occupational and Environmental Health, Operations Director of the Doric Duke Medical Research Institute and Deputy Dean of Nelson R Mandela School of Medicine, University of KwaZulu-Natal. In 2007 he was appointed the DST/NRF Research Chair in Indigenous Health Care Systems. He has been a member of the Presidential Task Team on African Traditional Medicine, Deputy Chairperson of the KwaZulu-Natal Provincial Council on AIDS, and the WHO (African Regional Office) expert committee on Traditional Medicine. He is among 20 best authors globally on integration of traditional medical practices into 'main-stream' medical care selected by an international committee of experts from the Inter-Academy Medical Panel and other renowned international scholars.

The KwaZulu-Natal Integrated Indigenous Knowledge Based Healthy Lifestyles Strategy to Fight COVID-19 and Beyond

The KwaZulu-Natal Provincial Government established a team with a mandate to develop an IKS-based Healthy Lifestyle Strategy to fight against the pandemic and establish solutions beyond COVID-19. They realised that IKS are vital in shaping and defining societies. They wanted to create a new normal by placing IKS at the centre of recovery and reclaiming health, livelihoods, culture and economy. A team consisting of government officials, community based organisations, traditional healers and academia met over a few months to develop the strategy which has been approved for implementation. This presentation will share the strategy.



PRESENTATION