



UNITED REPUBLIC OF TANZANIA

MINISTRY OF EDUCATION, SCIENCE AND
TECHNOLOGY

SOKOINE UNIVERSITY OF AGRICULTURE
DIRECTORATE OF POSTGRADUATE STUDIES,
RESEARCH, TECHNOLOGY TRANSFER AND CONSULTANCY



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NOTICE OF RESEARCH PROJECT AWARD UNDER THE
SUA RESEARCH AND INNOVATION SUPPORT (SUARIS) 4TH PHASE
COMPETITIVE RESEARCH AND INNOVATION GRANTS FOR YEAR 2024/2025 FOR SUA
STAFF

LIST OF SUCCESSFUL PROJECTS

Commissioned Grants				
SN	Research Topic	Principal Investigator (PI)	College/School/Institute	Recommended Amount (TZS)
1	Development of Artificial Intelligence powered tool for on-site and real-time identification of wildlife bone trophies	Jackson Alex Ngou	CVMBBS	80,000,000
2	Developing Trichoderma as bio fungicide and bio fertilizer for management of soil borne diseases in screen house and open fields	Kudra Abdul	COA	80,000,000
3	Towards Artificial Intelligence (AI) enhanced outreach service delivery: Development of AI-centric outreach platform and mobile apps to support dissemination and communication of agricultural research outputs to end users	Emmanuel T. Malisa	CSSH	79,999,288

Standard Grants				
SN	Research Topic	Principal Investigator (PI)	College/School/Institute	Recommended Amount (TZS)
1	Volatile Organic Compounds from fecal-urine wastes of barn owl (<i>Tyto alba</i>) and their efficacy in repelling commensal and field rodents	Mwajabu Selemani	IPM	30,000,000
2	Future Agricultural Resilient Mapping: Leveraging Geospatial Technology and Citizen Science for Crop Field Mapping and Acreage Estimation.	Neema Nicodemus Lyimo	CoNAS	30,000,000

3	Integrating water pressure sensors and artificial intelligence algorithms for efficient water leak detection and identification in the post-meter distribution network of SUA campuses (Smart water Leak Detection and Identification).	Farian S. Ishengoma	CONAS	29,998,000
4	Characterization of Indigenous Grass Species for Drought and Grazing Tolerance in Sustainable Forage Production Amidst Changing Climate	Dorice Leonard Lutatenekwa	COA	29,950,000
5	In vitro Assessment of Anti-Methanogenic Activities of <i>Sphaeranthus bullatus</i> for climate change mitigation	Shedrack R. Kitimu	CVMBBS	30,000,000
6	SmartCampus Explorer: Applying Social Semiotic Approach to Revolutionize Access to University Resources with ICT Solutions	Hussein Rajabu Mkwazu	CONAS	30,000,000
7	Assessing impact of perinatal antibiotic use on breast milk microbiota	Aziza Ahmed Said	CoNAS	29,999,000
8	Phytochemical Exploration of the Genus <i>Monanthes</i> (<i>Annonaceae</i>) for Zoonotic Bacterial Diseases Management in Tanzania	James George Mayeka	SOE	30,000,000
9	Quantifying Timber Loss to Promote Sustainable Utilization in Plantation Forests: A Case Study of the Northern Zone and Southern Highlands, Tanzania	Gilberth Prosper Temba	CWFT	29,999,180
10	Application of remote sensing data and GIS for landslide risk assessment as an environmental threat to Hanang Districts in the Manyara Region	Nandera Juma Lolila	CWFT	29,920,000
11	Improving growth performance of pond farmed Nile tilapia (<i>Oreochromis niloticus</i>) through automated solar powered aerator	Muumin Iddi Hamad	COA	29,950,000
12	Towards deploying low-cost Soil Testing device for Rural farmers powered by AI and machine learning (TESTER)	Bertha Msuliche	CoNAS	30,000,000
13	Transforming smallholder dairy cattle production systems by improving reproductive efficiency and management practices (CREMP) in Tanga Region.	Dismas Said Shija	CoA	29,993,100
14	Exploring the Synergy between Sukuma Oral Traditions and Agricultural Practices in Simiyu and Shinyanga Regions in Tanzania	Theresia Kado	SoE	29,995,000

15	Modelling Land Suitability for Rice Production in Mvomero district, Morogoro Region using Multi-Criteria Analysis and GIS	Susan Andrew Mbacho	SoET	30,000,000
16	Upcycling Mycotoxin-Contaminated Feedstocks: A Sustainable Approach Using Black Soldier Fly Larvae for Poultry Production.	Benigni Temba	CoNAS	30,000,000
17	Assessment of low-cost drip irrigation technology to enhance adoption for small scale farmers	Frank Patrice Mattay	SoE	30,000,000
18	Exploring the use of African giant pouched rats (<i>Cricetomys ansorgei</i>) in detecting heat in cow	Julius Donatus Luvanga	CVMB	29,999,800

Small Grants				
1	Molecular epidemiology of Pneumonic Pasteurellosis in goats and sheep: Isolation, identification and serotyping in Chalinze District, Coast Region, Tanzania.	Isaac Makundi	CVMBS	20,000,000
2	Dip-site integrated animal health services: A potential approach towards improving disease surveillance for early detection and response (DIP-SURV)	Janeth George Laurean	CVMBS	19,988,000
3	Assessment of the Degree of Energy Loss at Sokoine University of Agriculture Campuses	Enock Chambile	CoNAS	19,960,000

Additional information on the next steps will be communicated to the Project Principal Investigators (PIs) individually.

The SUA Management acknowledges all who showed interest to apply. Feedback to all applicants will be shared with you all in the coming few days.

Issued by:

The Directorate of Postgraduate Studies, Research, Technology Transfer and Consultancy (DPRTC)

Date: 15TH JANUARY, 2025