



Press Release

SELECTED PROPOSALS FOR THE 3RD CALL FOR COMPETITIVE RESEARCH AND INNOVATION GRANTS-2020/2021

The University of Dar es Salaam is pleased to announce the selected research projects of the 3rd Call for Proposals for Competitive Research and Innovation Grants (2020/2021) which was announced on 11th May 2020 and closed on 30th June 2020. The University set aside the amount worth TZS. 1,900,000,000/= (One Billion Nine Hundred Million Tanzanian Shillings) which was contributed by three campuses as follows:

1. UDSM Mwalimu Nyerere Mlimani CampusTZS. 1,500,000,000/-
2. Dar es Salaam University College of Education (DUCE)....TZS. 200,000,000/-
3. Mkwawa University College of Education (MUCE).....TZS. 200,000,000/-

This year's Call for Proposal for Competitive Research and Innovation Grants attracted a total of 257 research proposals from different Colleges, Schools, and Institutes of UDSM Main campus as well as from DUCE and MUCE. Upon evaluation by Independent External Reviewers, sixty six (66) research proposals were selected as best research proposals for the award of UDSM Competitive Research and Innovation Grants for the year 2020/2021 as indicated in the table below:

S/N	Campus	Proposals Submitted	Proposals Awarded
1.	UDSM-Mwalimu Nyerere Mlimani Campus	174	46
2.	Dar es Salaam University College of Education (DUCE)	43	12
3.	Mkwawa University College of Education (MUCE)	40	8
	Total	257	66

All Principal Investigators (PIs) are requested to contact the Directorate of Research and Publication (DRP) with effect from **Monday, 26th October 2020** to collect Research Grant Award Letters and Contracts so that they can commence research undertakings with immediate effect.

Congratulations to all researchers who have won this year's Competitive Research and Innovation Grants.

ISSUED BY

PROF. BERNADETA KILLIAN
DEPUTY VICE CHANCELLOR - RESEARCH
20th October, 2020

LIST OF SELECTED PROPOSALS ON INNOVATION AND COMMERCIALIZATION OF TECHNOLOGY

S/N	Researchers	Hosting Unit	Cluster	Title of Proposal	Budget (TZS)
1	Hellen Maziku (PI) 1. Ally Tahir Bitebo 2. Jimmy Mbelwa 3. Joseph Cosmas Mushi 4. Ruthbetha Kateule	College of Information and Communication Technologies (CoICT)	Cluster-1	SWASH Competition Platform for Promoting Health Awareness and Positive Behavior Change	37,290,000
2	Edgar Mapunda (PI) 1. Fortunatus Jacob 2. I. Lugendo 3. J. Y.N Phillip 4. Kessy Fidel Kilulya	College of Natural and Applied Sciences (CoNAS)	Cluster-1	Promoting STEM Education via Manufacturing Innovative Low Cost Equipment for Teaching Laboratories in Tanzania.	260,000,000

MWALIMU JULIUS NYERERE MLIMANI CAMPUS

S/N	Researchers	Hosting Unit	Cluster	Title of Proposal	Budget (TZS)
1	Charles Kahabi (PI) 1. Leonard Yesaya Mwaikambo 2. Peresi Majura Bulemo 3. Tausi H Alexander 4. Catherine James Joseph	College of Engineering and Technology (CoET)	Cluster-1	Development of a fabric and dress entailing Elements of National Identity	29,932,500
2	Stephen Nyandoro (PI) 1. Fortunatus Jacob 2. Geradius Deogratias 3. Joan John,Eliona Munissi 4. Regina Peter 5. Rose Masalu 6. Issakwisa Mwakyula	College of Natural and Applied Sciences (CoNAS)	Cluster-1	Computational to Wet Science Investigations on Anti-SARS-CoV-2 Agents from Medicinal Plants and Repurposing FDA/WHO Approved Drugs for Treatment of COVID-19	29,925,000
3	Josiah Nombo (PI) 1. Ally Tahir Bitebo 2. Baraka Jacob Maiseli 3. Libe Valentine Massawe 4. Mercy Allyns Mbise 5. Mr. Arnold Matemu 6. Mr. Mwambe Samuel 7. Mr. Mwandu Elias 8. Mr. Mbazi Mboya	College of Information and Communication Technologies (CoICT)	Cluster-1	Online booking system for local inter-regional bus transportation	20,000,000

4	E. Lugwisha (PI) 1. Emanuel Ricky xwaymay 2. K. F Kilulya 3. L. D Kaale 4. Makungu Marco Madirisha 5. Naswibu Abdalla Kasimu 6. Noah Makula Pauline	College of Natural and Applied Sciences (CoNAS)	Cluster-1	Bio-waste Materials as Viable Option for Renewable Energy, Sustainable Agriculture and Carbon Sequestration in Tanzania	29,977,000
5	Athuman Mahinda (PI) 1. Prosper Laurent Mfilinge 2. Paschal Simon Milindi 3. Vicent Tsoray 4. Joyceline David Gonsalves	College of Agricultural Sciences and Fisheries Technologies (CoAF)	Cluster-1	Design and development of efficient cashew nut shelling machine for small scale farmers in Tanzania	30,000,000
6	Sylvester Lyantagaye (PI) 1. Amelia Sylivery Buriyo 2. F. Mbago 3. Mona N Mwakalinga 4. Theodora Mwenegoha	College of Natural and Applied Sciences (CoNAS)	Cluster-1	Promoting Maternal Health by Exploiting Traditional Medicine in Tanzania: The Manufacturing and Commercializing Traditional Topical Contraceptives for Men And Women	30,000,000
7	Peresi Bulemo (PI) 1. Bwire Sturmius Ndazi 2. Liberato Venant Haule 3. Lutamy Nambela Mwenekitete External Partners (Non-UDSM Staff) 1. Tausi Alexander	College of Engineering and Technology (CoET)	Cluster-1	Design and Development of a Reusable Membrane for Aerosols and Pathogens Filtration from Waste Cotton and Recycled Cotton Cloths.	29,925,000
8	Liberato Haule (PI) 1. Lutamy Nambela Mwenekitete 2. Sylvester Lyantagaye	College of Engineering and Technology (CoET)	Cluster-1	Fabrication of Medical Bandage Using Collagen Nanofibres Extracted From Bovine Horns and Hooves	30,000,000

9	Baraka Maiseli (PI) 1. Angelina Zachary Misso 2. Fredrick Ishengoma 3. Libe Valentine Massawe 4. Mussa Muhidini Kissaka 5. Nuru Ramadhani Mlyuka 6. Omar Fakh Hamad 7. Omari Khalifa Mbura 8. Pendo Nandiga Bigambo 9. Omar Fakh Hamad 10. Nuru Ramadhani Mlyuka 11. Mussa Muhidini Kissaka 12. Pendo Nandiga Bigambo	College of Information and Communication Technologies (CoICT)	Cluster-1	Manufacturing and commercialization of inexpensive and innovative laboratory instruments and testbeds for science and engineering subjects in local secondary schools	30,000,000
10	Samwel Limbu (PI) 1. Anold Naiman Towo 2. Blandina Robert Lugendo 3. James L. Lusana 4. Philip Odoyo Bwathondi 5. Sijali Pamba	College of Agricultural Sciences and Fisheries Technologies (CoAF)	Cluster-2	Increased urban Tilapia farming by developing recirculating aquaculture system (RAS) technology	29,910,000
11	Fred Chibwana (PI) 1. Jestina Venance Katandukila 2. Victor A Makene	College of Natural and Applied Sciences (CoNAS)	Cluster-2	A parasitological survey of helminths in freshwater fishes of selected man-made ponds and dams in Tanzania	30,000,000
12	Linus Paul (PI) 1. Christopher Hariri Mbotwa 2. Lucy Andrew Namkinga External Partners (Non-UDSM Staff) 1. Nazima Dharsee	Mbeya University College of Health and Allied Sciences (MCHAS)	Cluster-2	Molecular analysis of germline BRCA1/2 mutations in triple negative breast cancer patients in Tanzania	29,985,000
13	Charles Joseph (PI) 1. Emmanuel Sangu 2. Esther Francis Mvungi 3. Stephen Samwel Nyandoro	College of Natural and Applied Sciences (CoNAS)	Cluster-2	Assessment of the Magnitude and Relationship among Variables Affecting Grain Yield, Water Use Efficiency and Estimation of Global Warming Potential in Alternative Wetting and Drying Irrigation	30,000,000

14	Rosemarie Mwaipopo (PI) 1. Omari Zuberi Kalovya	College of Social Sciences (CoSS)	Cluster-2	Continuity of Education in Times of Health Pandemics: Implications for Students' Experiences and Institutional Preparedness	15,000,000
15	Victor Makene (PI) 1. Chacha Werema Nyamkinda 2. Fulgence Ntangere Mpenda 3. Lucy Andrew Namkinga 4. S. A. A Kassuwi 5. Winifrida B. Kidima	College of Natural and Applied Sciences (CoNAS)	Cluster-2	Molecular epidemiology and antimicrobial resistance of Campylobacter species causing diarrhoea in Dar es Salaam.	29,997,000
16	Rose Masalu (PI) 1. Cyprian Beda Mpinda 2. Winifrida B. Kidima External Partners (Non-UDSM Staff) 1. Martin Millinga 2. Jackson T. Mollel	College of Natural and Applied Sciences (CoNAS)	Cluster-2	Development of Herbals dosage formulations with Immunomodulation and Anti-Infectivity activities.	29,905,800
17	Clement Mweya (PI) 1. Christopher Hariri Mbotwa 2. Sylvester Lyantagaye External Partners (Non-UDSM Staff) 1. Joyce Massaro 2. Simeon P. Mwanyonga 3. Liness Amos Ndelwa	Mbeya University College of Health and Allied Sciences (MCHAS)	Cluster-2	Exploring Recurrence of Dengue Epidemics in Tanzania: Climate Change and Industrialization Perspective	28,850,000
18	Winifrida Kidima (PI) 1. Cyprian Beda Mpinda 2. Esther Francis Mvungi 3. Flora Stephano	College of Natural and Applied Sciences (CoNAS)	Cluster-2	Safety, therapeutic and prophylactic effect of herbal extracts in normal and inflammatory pregnancy.	30,000,000

19	Mwajabu Possi (PI) 1. Bernard Mbwele 2. Esther Francis Mvungi 3. Joan John, Eliona Munissi External Partners (Non-UDSM Staff) 1. Moshi Moshi Shabani 2. MaryJeska Mafie	Mbeya University College of Health and Allied Sciences (MCHAS)	Cluster-2	Traditional Herbs Capable of Producing Reactive Oxygen Species (ROS) for the Viral Respiratory Infections: A promise for cure for COVID 19 from Tanzania	29,528,840
20	Moses Gwamaka (PI) 1. Lucy Andrew Namkinga 2. Mkunde Seithy Chachage External Partners (Non-UDSM Staff) 1. Faraji Abilahi	Mbeya University College of Health and Allied Sciences (MCHAS)	Cluster-2	Evaluation of Immunological Cross-Reactivity between Sars-Cov-2 and Other Circulating Coronaviruses and Their Possible Implication on COVID-19 Severity among Tanzanians	29,349,920
21	Anitha Byabato (PI) 1. Daniel George Maeda 2. Dennis Joram Massue 3. Fredrick Edwin Lyatuu	College of Natural and Applied Sciences (CoNAS)	Cluster-2	Investigation of larvicidal, adulticidal and repellent action of Dioscorea sansibarensis plant extract against dengue vectors (Aedes aegypti)	30,000,000
22	Cyprian Mpinda (PI) 1. Aneth David Mwakilili 2. Donath Damian Tibuhwa 3. Juma Mahmud Hussein	College of Natural and Applied Sciences (CoNAS)	Cluster-2	Screening for Novel Molecular Markers of Antimicrobial Resistance From the Microbiome of Broiler Chicken in Tanzania	30,000,000
23	Deokary Joseph (PI) 1. Dennis Joram Massue 2. Felista Mwingira 3. V. A Makene 4. Winifrida B. Kidima	Mbeya University College of Health and Allied Sciences (MCHAS)	Cluster-2	Epidemiological investigation of malaria and helminth coinfection among pregnant women in rural settings - Tanzania	30,000,000
24	Emmanuel Kazimoto (PI) 1. Crispin Prosper Kinabo 2. Esther Francis Mvungi 3. Mary Charles Moshi	College of Natural and Applied Sciences (CoNAS)	Cluster-3	Investigation on sand mining practise, associated environmental impacts and alternative sand sources in Dar es Salaam"	30,000,000

25	Nelson Boniface (PI) 1. Elisante Elisaimon Mshiu 2. I. Lugendo 3. Mary Charles Moshi 4. Mkabwa Lawrence Manoko External Partners (Non-UDSM Staff) 1. Muhoja Sylvester 2. Alex Cyprian Rutagwelela	College of Natural and Applied Sciences (CoNAS)	Cluster-3	Investigations on Geochemical Signatures, Origin, Economies and Radiation Risks of Carbonatite Deposits from Eastern and Western Tanzania	30,000,000
26	Robert Katikiro (PI) 1. Bahati Mayoma Sosthenes 2. Franco Mbegallo 3. Gloria Benedict Mapunda 4. Maliwaza Mbwana External Partners (Non-UDSM Staff) 1. Franco Mbegallo 2. Glory B. Mapunda 3. Bahati S. Mayoma 4. Dr. Maliwaza Mbwana	College of Agricultural Sciences and Fisheries Technologies (CoAF)	Cluster-3	Survey of Community Knowledge, Attitude and Practice (KAP) in marine protected areas of mainland Tanzania	15,000,000
27	Eustella Bhalalusesa (PI) 1. Benjamin Mbughi 2. Godlisten Malisa 3. Lulu Simon Mahai	School of Education (SoED)	Cluster-4	Experiences of Successful Women Academics in Career Advancement in Selected Universities in Tanzania: what Lessons Do They Offer?	14,995,000
28	John Philemon (PI) 1. David Peter Rwehikiza 2. E. M Kessy	University of Dar es Salaam Business School (UDBS)	Cluster-4	Empowerment setbacks and coping strategies in the COVID 19 crisis of female food vendors in Tanzania	14,367,000
29	Maliwaza Mbwana (PI) 1. Lilian Victor Mtasingwa	College of Agricultural Sciences and Fisheries Technologies (CoAF)	Cluster-4	Agricultural Value Chains: Gendered Impacts of COVID-19 Pandemic on Socio-Economic Outcomes in Tanzania	14,380,000
30	Thomas John Biginagwa (PI) 1. Salvatory Stephen Nyanto 2. Sinyati Robinson Mark	College of Humanities (CoHU)	Cluster-5	Reconstructing the Nineteenth-Century Landscapes of Slavery in Southern Tanzania	15,000,000

31	Fatma Mohamed (PI) 1. Noel Lwoga 2. Sayuni Mwamanenge 3. Reuben Sanga	College of Engineering and Technology (CoET)	Cluster-5	Visual Recreation Of The Fourteenth Century Great Mosque Of Kilwa	15,000,000
32	Cassy Mtelela (PI) 1. Pastory Bushozi 2. Elinaza Mjema 3. Stephen Magohe	College of Natural and Applied Sciences (CoNAS)	Cluster-5	Sedimentology of the Isimila Stone-Age Site, Tanzania: Geologically Contextualising Archaeology Record, Boosting Tourism	14,269,500
33	Elinaza Mjema (PI) 1. Matrona Kabyemela	College of Humanities (CoHU)	Cluster-5	Exploring Local Communities' Involvement in Marine Cultural Heritage for Poverty Alleviation in Tanzania: A Formative Field Intervention Study	14,864,000
34	Stephen Magohe (PI) 1. Justina Saroni 2. Elinaza Mjema 3. Cassy Mtelela	College of Natural and Applied Sciences (CoNAS)	Cluster-5	Biostratigraphically Constraining depositional ages and paleoenvironments of the strata exposed around Stiegler's Gorge area, Rufiji Basin, Tanzania: contributing to science and promoting tourism to the site.	27,182,000
35	Margaret Samiji (PI) 1. Nuru R. Mlyuka 2. Lwitiko P. Mwakyusa 3. Mashaka Mkandawile	College of Natural and Applied Sciences (CoNAS)	Cluster-6	Solar Cooking for Institutions as one of the Alternatives for inefficient and Polluting Cooking Technologies	28,505,000
36	Augustina Alexander (PI) 1. D. M. M Mulungu 2. Fides Izdori 3. L. Mugisha	College of Engineering and Technology (CoET)	Cluster-6	BRrIAC: Building River Resilience through Integrated Approach under Climate Change	29,980,000
37	Joseph Matata (PI) 1. Aneth David Mwakilili 2. Changoma Francis Marco 3. Daniel Abel Shilla 4. Dativa Shilla 5. James L. Lusana 6. Prosper Laurent Mfilinge	Institute of Resource Assessment (IRA)	Cluster-6	Population genetic structure and gene flow of the mud creeper Terebralia palustris (Linnaeus, 1767) in Tanzania.	30,000,000

38	Cuthbert Nahonyo (PI) 1. Chacha Werema Nyamkinda 2. Ignasia Pascal Mbatia 3. L. Mugisha	College of Natural and Applied Sciences (CoNAS)	Cluster-6	Wildlife Management Areas (WMAS) and Community Wellbeing in Tanzania	28,600,000
39	Joan Munissi (PI) 1. Flora Stephano 2. Stephen Samwel Nyandoro	College of Natural and Applied Sciences (CoNAS)	Cluster-6	Search for Anticancer Compounds from Croton Plant Species (Euphorbiaceae) Occurring in Tanzania	29,952,740
40	Leonia Raphael (PI) 1. Athuman Juma Mahinda 2. E. P Niboye	Institute of Development Studies (IDS)	Cluster-6	Pathways to Enhancing Livelihood Sustainability among Mono-Cash crop Smallholder Farmers in Tanzania: The Case of Mtwara, Kagera and Kilimanjaro Regions	14,990,000
41	Stephen Nnungu (PI) 1. Emmanuel Sangu 2. Iman Salehe Yangaza 3. W. B Washa	College of Natural and Applied Sciences (CoNAS)	Cluster-6	Propagation of Plants Linked to COVID-19 Treatment and prevention, Tetradenia raparia (Hochst.) Codd, Garcinia buchananii and Zanthoxylum chalybeum in Tanzania	30,000,000
42	Amos Majule (PI) 1. Anna Saria	Institute of Resource Assessment (IRA)	Cluster-6	Investigating the Impacts of Gender Based Management Practices on Land Degradation Severity in Minyuge and Mgori Forests in Singida Rural District	29,910,000
43	James Lusana (PI) 1. Aneth David Mwakilili 2. Blandina Robert Lugendo 3. Prosper Laurent Mfilinge 4. Twalib Kithakeni Mmbaga	College of Agricultural Sciences and Fisheries Technologies (CoAF)	Cluster-6	Molecular identification and population genetic structure of sea cucumbers along the coast of Tanzania: Implication for coastal management and aquaculture development.	30,000,000
44	Saudin Mwakaje (PI) 1. Abraham K. Temu 2. Amelia Sylivery Buriyo 3. Theodora Mwenegoha External Partners (Non-UDSM Staff) 1. Boaz Mabula	University of Dar es Salaam School of Law (UDSoL)	Cluster-7	Effective and Strategic Use of Patent Flexibilities in Furtherance of Technological Intervention in Addressing the COVID-19 In Tanzania	15,000,000

DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION (DUCE)

S/N	Researchers	Hosting Department	Cluster	Title of Proposal	Budget (TZS)
1	Jared Bakuza (PI) 1. J. Mbuna 2. T. Sagamiko	Department of Biological Sciences	Cluster-1	Assessing and modelling the Quality of Handwashing Water and Sanitizers Used for Covid-19 Prevention in Dar es Salaam, Arusha and Zanzibar, Tanzania	30,000,000
2	V. Makulilo (PI) 1. C. Masabo 2. L. Gabriel 3. S. Dini External Partners (Non-UDSM Staff) 1. Conrad Masabo 2. Leatitia Gabriel 3. Shafii Dini Kanju	Department of History, Political Science and Development Studies	Cluster-2	The Implications of COVID-19 on Higher Education Financing: Accessibility and Recovery of Students Loans in Tanzania	15,000,000
3	Budeba Mlyakado (PI) 1. Batha Simon Lwimo 2. Cresencia Masawe 3. E. Kyaruzi 4. Hezron Zacharia Onditi 5. Laurian Philip Wajimila 6. Mabula George Nkuba 7. Salmin Singano	Department of Educational Psychology and Curriculum Studies	Cluster-2	Digitalizing Our Schools for Success (DOSS): An Intervention Approach for Reducing School Dropout through Improved Communication System between Teachers' and Students' Parents in Tanzania	15,000,000

4	Florence Kyaruzi (PI) 1. I. Buberwa 2. K. Haule	Department of Educational Psychology and Curriculum Studies	Cluster-2	Student Home-based Assessment Packages for Learning during COVID-19: Lessons and Prospects	15,000,000
5	N. Mogha (PI) 1. E. Mbukwa 2. O. John	Department of Biological Sciences	Cluster-2	Ethnobotanical, Phytochemical and Toxicity Study of Medicinal Plants Used for COVID-19 Management in Kagera Region, Tanzania	15,000,000
6	N. Ngullu (PI) 1. Severine Siritto Kessy External Partners (Non-UDSM Staff) 1. Hija Urassa	Department of Physics, Mathematics and Informatics	Cluster-4	Analysing Socioeconomic Changes on Women Entrepreneurs Movements in Tanzania during the COVID-19 Pandemic: The Case of Makete District	13,442,000
7	Elimboto Yohana (PI) 1. Gasper G Mwanga 2. Zubeda Mussa 3. Florence Kyaruzi 4. Ambokile Okey	Department of History, Political Science and Development Studies	Cluster-4	Open Source Software and Web-based Technologies to Enhance Early Grade Teaching and Learning	20,000,000
8	Loveluck Philip (PI) 1. Benedict Phaniel Lema 2. Fides Pangani	Department of Languages and Literature	Cluster 5	English Language Problems among Students in Higher Learning Institutions in Tanzania: A Case Study of the Dar es Salaam University College of Education	15,000,000
9	Samwel Mhajida (PI) 1. Iddy R. Magoti 2. Victoria Makulilo 3. Yovita A. Vakolavene	Department of History, Political Science and Development Studies	Cluster 5	State and local responses to health related pandemics in Tanzania, 1890s – 2020	13,130,000
10	Amani Lusekelo (PI) 1. Halima M. Amir 2. Mr Micky Mgeja	Department of Languages and Literature	Cluster 5	Ethnolinguistic and Ethnobotanical Investigation of Medicinal Plants Used By Nyamwezi and Sukuma People in Tanzania: A Case of Treatment of Respiratory Disorders	15,000,000

11	S. Mlowe (PI) 1. Fortunatus Jacob 2. Geradius Deogratias 3. Grace Ansgar Kinunda 4. Y Msambwa	Department of Chemistry	Cluster-6	Computational Study of the Influence of Symmetric Functionalization on the Optoelectronic Properties of Modified Triphenylamine Dyes for Dye-Sensitized Solar Cells	17,043,600
12	Frank Mateng'e (PI) 1. J S Kihamba	Department of History, Political Science and Development Studies	Cluster-7	Innovating Service Delivery Systems in Public Utilities: Examining the Role of E-Services in Tanzania during the outbreak of COVID 19	14,900,000

MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)

S/N	Researchers	Hosting Department	Cluster	Title of Proposal	Budget (TZS)
1	Godlisten Shao (PI) 1. E Elimbinzi 2. Talam Enock Kibona	Department of Chemistry	Cluster-1	Ceramic Based Water Purification Systems for Improving the Quality of Water at the Point of Use	30,000,000
2	A. Msonga (PI) 1. Godlisten Namwel Shao 2. Moses Iwatasia Olotu	Department of Biological Sciences	Cluster-2	Engaging Sustainable Monitoring of Agro-chemical Residues to Improve Agricultural Products in Southern Highlands	30,000,000
3	W. Washa (PI) 1. Saada Mbepera External Partners (Non-UDSM Staff) 1. Shaabani A. Mshamu	Department of Biological Sciences	Cluster-2	Investigation of toxicity of Swartzia madagascariensis Desv. in cattle: A case study of Iringa Rural District	30,000,000
4	Philpo John (PI) 1. Augustino Amos Kagwema 2. F. Kilowoko 3. Jane Edward Massamu 4. M. I Kiruya 5. Mwajuma Siama Vuzo 6. Ponsiano Sawaka Kanijo 7. S. Kaoneka 8. Selina Wayimba 9. Veronica Mbuba	Department of Language Studies	Cluster-2	Enhancement of Communicative Language Teaching Approach among Primary School Teachers in Teaching English Subject in Tanzania: A Case of Iringa	15,000,000

5	Jovine Emmanuel (PI) 1. Debora John Mahushi 2. Godlisten Namwel Shao	Department of Chemistry	Cluster-3	Biogas Production from Brewer's Spent Grains in Enhancing Resource Recovery and Cleaner Production	30,000,000
6	Hassan Iddy (PI) 1. Daniel Sidney Fussy 2. Jacqueline Moshi Amani 3. S. Mkimbili	Department of Educational Psychology and Curriculum Studies	Cluster-4	Improving Girls' Science Education through the Integration of Literacy Practices into Science Instruction in Tanzanian Secondary Schools	15,000,000
7	Christopher Mulungu (PI) 1. Ashura Jackson 2. Yusuph Daudi	Department History, Political Science and Development Studies	Cluster 5	Promotion of Tradition Healing System on Coronavirus Pandemic in Tanzania	15,000,000
8	Venderine Tairo (PI) 1. Anasia Saria 2. Michael Elias Mgalula 3. Mirau Ndetaulwa Mbise 4. W. B Washa	Department of Biological Sciences	Cluster-6	Ethnopharmacological survey of Medicinal plants used by the communities to treat human ailments in the drylands of Iringa District.	30,000,000