

Vice-Chancellor Research Grant 2017

	Researchers	Project Title	Thematic Area	Grant (Kshs.)
1.	Dr. Gladwell N. Wambiri - PI <ul style="list-style-type: none"> • Dr. Mary N. Ndani • Dr. Esther N. Waithaka 	Empowering Parents for Quality Engagement in Children's Reading: Developing a Needs Based Training Guide	Quality Education	920,000
2.	Dr. Elizaphan M. Maina - PI <ul style="list-style-type: none"> • Dr. Jonathan Mwaura • Dr. Rhoda Gitonga • Dr. Michael Njagi Murage 	Using Artificial Intelligent Systems (AIS) to Enhance Personalized Learning in E-Learning Platforms	Quality Education	830,000
3.	Dr. Phyllis W. Mwangi - PI <ul style="list-style-type: none"> • Dr. Caroline M. Mutwiri • Dr. Adelheid Bwire • Dr. Esther Mbithi • Dr. Purity M. Nthiga 	Transitioning from Academia to Industry: Job Application Letters and CVs as the Weak Link	Quality Education	850,000
4.	Dr. Anthony Macharia - PI <ul style="list-style-type: none"> • Dr. Charles Magoma • Dr. Gladys Gathuru • Harrison Njoroge 	Kenyatta University Enhancement of Learning Experience with AIDS (KUELEWA)	Quality Education	720,000
5.	Dr. James Nonoh - PI <ul style="list-style-type: none"> • Dr. Antony Kebira 	Identification of Human Foot Bacterial Profile Responsible for Production of Constituents that Modulate Level of Attraction of Malaria Vector <i>Anopheles Gambia</i>	Health and Well-being	650,000
6.	Dr. Lucy Joy Wachira - PI <ul style="list-style-type: none"> • Dr. Nkatha Muthoni 	Outdoor Adventure Practice in the Afro-Alpine Mountain Areas in East Africa: Training, Certification, Competence and Standards in	Health and Well-being	

Vice-Chancellor Research Grant 2017

		Injury Occurrence and Pre-Hospital Emergency Risk Management		1,100,000
7.	Dr. Michael T. Katola	The Proliferation of Organized Criminal Groups and their Effects on Peace and Security in Nairobi	Security and Peace	500,000
8.	Dr. Shadrack K. Murimi - PI • Dr. Philomena Muiruri	Using Geographic Information Systems (GIS) in Crime Mapping and Analysis in Kasarani Sub-County, Nairobi County	Security and Peace	850,000
9.	Prof. Wilson Njue - PI • Dr. Lawrence Ochoo • Dr. John Maingi	Phyto-Mediated Biosynthesis of Novel Metal Nanoparticles and their Antimicrobial Activity.	Science, Technology and Engineering	820,000
10.	Dr. C. S. Singh	Effect of Exchange and Absorption Potential on the Distorted Wave Calculations for Electron Impact Excitation of Autoionizing States of Alkali Atoms.	Science, Technology and Engineering	500,000
11.	Dr. Steve Runo	Striga Resistant Sorghum for Small Holders Farmers	Agriculture and Food Security	750,000
12.	Prof. Fuchaka Waswa - PI • Dr. Kennedy Mwetu	Assessing Changes in Agricultural Land Use and their Implications on Food Production in Kiambu County, Kenya.	Agriculture and Food Security	800,000
13.	Dr. Isaac Maina Osuga- PI	Assessment of Productivity and Profitability in	Agriculture and Food	

Vice-Chancellor Research Grant 2017

	<ul style="list-style-type: none"> Mathew Gitau Gicheha 	Smallholder Dairy Goat Systems in Kiambu County Kenya.	Security	800,000
14.	<p>Dr. Mathew Piero Ngugi - PI</p> <ul style="list-style-type: none"> Dr. Joan Murugi Njagi Dr. Anthony Ireri 	Advancing Locally Developed Biotech Drought Tolerant Maize Towards Commercialization For Enhanced Food Security.	Agriculture and Food Security	1,200,000
15.	Dr. Monicah Mucheru - Muna	Agronomic and Economic Effects of Phosphate Rock on Acidic Soils in Tharaka Nithi County	Agriculture and Food Security	550,000
16.	<p>Dr. Richard Osiyo – PI</p> <ul style="list-style-type: none"> Prof. Benson Mochoge 	On Farm Management of Biochar, Fertilizer and Water to Increase Productivity, Soil Carbon Content and Mitigate Eutrophication and Greenhouse Gas Emission from Intensive Rice-Fish Systems	Agriculture and Food Security	850,000
17.	<p>Dr. Ezekiel Mugendi Njeru - PI</p> <ul style="list-style-type: none"> Dr. Omwoyo Ombori Dr. Shem B. Nchore 	Exploiting Arbuscular Mycorrhizal Fungi-Rhizobia-Legume Tripartite Symbiosis to Increase Crop Production and Resilience in Semi-Arid Tropics of Kenya.	Agriculture and Food Security	1,200,000
18.	<p>Dr. Florence Muthoni Mainah - PI</p> <ul style="list-style-type: none"> Dr. Patrick Mbataru 	The Impact of Gender Shift in Cultivation of Food Crops along Highlands Floodplains on Livelihoods in Kiambu County.	Agriculture and Food Security	600,000
19.	<p>Wilson Nyaoro - PI</p> <ul style="list-style-type: none"> Charles Ogeisia Mong'are 	Potentials of Value Addition for Sustainable Development of Small Scale Beekeeping Enterprises to Enhance Rural Livelihoods in	Agriculture and Food Security	1,200,000

Vice-Chancellor Research Grant 2017

		Marigat, Baringo County.		
20.	Dr. Jane Wanza Mutinda	An Assessment of the Impact of Sand Dams in Enhancing Environmental Management and Climate Smart Livelihood in Machakos County, Kenya.	Natural Resources	750,000
21.	Dr. Grace Wambui Gatheri - PI • Mr. Fredrick Ngugi Kamau	Ethnobotanical Survey, Conservation and Phytochemical Properties of Medical Plants Used by the Akamba, Machakos County.	Natural Resources	1,200,000
22.	Dr. Ruth Kahuthia-Gathu- PI • Dr. Duncan Thungu Kirubi	Damage of Powderpost Beetles on Acacia Species in Nairobi, Isiolo, Machakos and Nakuru Counties, Kenya	Natural Resources	1,600,000
23.	Prof. S.C. Chhabra - PI	Bioassay-Guided Isolation and Characterization of Anticancer Phytochemicals from Selected Kenyan Aromatic Plants.	Natural Resources	800,000
24.	Dr. Fredrick Tamoooh	Soil Carbon Pool in Mangroves of Kenya.	Natural Resources	930,000
25.	Dr. Lawrence Ochoo • Dr. Raphael Nyenge	Design of an Electromagnetic Field Pulses based Profiler Technology for Cancer Diagnosis and Treatment Monitoring.	Innovation Project	1,200,000
26.		Commercialization of Locally Developed		

Vice-Chancellor Research Grant 2017

Dr. Wilson Thagana

Agricultural Inputs-Foliar Fertilizers, Hydroponic
Nutrient Solutions and Rooting Powders.

Innovation Project

1,100,000