



## National Research Fund

AWARDED 2 <sup>nd</sup> CALL MULTIDISCIPLINARY RESEARCH PROJECTS - 2019/2020 FY			
S/ No.	Name of PI	Institution	Project Title
1	Prof. Erick Cheruyiot	Egerton University	Introgression of brown mid-rib and stay green traits on sweet sorghum to enhance feed value for dairy production in Kenya
2	Prof. James K. Tuitoek	Egerton University	Assessment and Evaluation of Earthworm Meal as an Alternative Protein Source for Poultry Feed in Kenya
3	Dr. Mary Mumbua Mutemi	Good Life Trust	Greening Health Interventions to enhance Clean Environments for Communities in Kenya
4	Dr. Margaret Karembu	ISAAA	Developing low-cost diagnostic tools and biosensors for rapid detection of crop and human pathogens in Kenya
5	Dr. Lilian Wambui Kariuki	JKUAT	Improving finger millet production systems through agronomic and molecular tools for sustainable food and nutrition security in Kenya
6	Dr. Walter Akuno	JOUST	Enhancing Community resilience to climate change through sustainable sorghum value chain for improved small-holder food security and incomes
7	Dr. Moses M. Thiga	Kabarak University	eHealth for Universal Maternal Health Coverage among Underserved Counties and Vulnerable Population Groups in Kenya
8	Prof. Oganda M. J. Nandi	Kaimosi University College	Enhancing the Potential of Ricebean as a Food Security Crop for Mitigating against Climate Change in Kenya
9	Dr. Stella Katini Mwashume	KALRO	Improving Production and Quality of Bixa Orellana (ANNATO) by Use of Organic Fertilizers for Commercialization in Coastal Kenya
10	Dr. Alfred Ogao Abiba	Karatina University	Propagation of <i>Ocimum kilimadscharicum</i> , Determination of Efficacy Against <i>Anopheles gambiae</i> and Formulation of <i>O. kilimadscharicum</i> Essential Oils into Jelly and Bathing Soap Mosquito Repellent
11	Dr. Allan	KEMRI	Development of Identification Tests for Three

	Biwott		Priority Arboviruses Causing Disease Outbreaks in Kenya
12	Prof. Rosemary Sang	KEMRI	Metagenomic Characterization of the Mosquito Arbovirome in the Context of Emerging Viral Diseases in Kenyan Ecosystems
13	Dr. Job Mapesa	KEMU	Research and Development of Heat-Stabilized Rice Bran for Diarrhea Prevention
14	Dr. Thomas Mkare	Kenya Marine Fisheries Research Institute (KEMFRI)	Characterization of Kenya's Marine Fisheries genetic resources for improved fisheries sustainability and food security
15	Prof. Hudson Nyambaka	Kenyatta University	Value Addition to Finger Millet-based Food Products and their Efficacy in the Management of Hyperglycemia in Type 2 Diabetics in Kenya
16	Dr. Mathew Karia	Kenyatta University	e-management of Communication Disorder through Community-Based Rehabilitation in Kenya
17	Dr. Margaret Chege	Kenyatta University	Indoor Air Contamination Due to Radioactive Radon Isotopes and Progeny, and Particulate Matter from Biomass and Fossil Fuels Combustion in Mud Dwellings Found in Rural Kenya: Risk and Mitigation
18	Dr. Maurice Onditi	Kenyatta University	Cost effectiveness of Innovative Community based Strategies for improving Clinical, Cognitive and Social Outcomes of active Epilepsy among School going Children in Rural Kenya
19	Dr. Eunice Githae	Kenyatta University	Implementing Comprehensive Recovery-Oriented Practices for Health Promotion, Resiliency and Productivity of Persons with Substance Use Disorders (SUDs) in Kenya
20	Dr. Mokua Gladys	Kenyatta University	Effective Actions aimed at Reversing Cancer Prevalence in Kisii County
21	Dr. Jackline Kisato	Kenyatta University	Banana Paper: Commercializing Eco-Friendly Packaging
22	Dr. Stephen Githae Njaramba	Kenyatta University	Sources and Management of Housing Price Growth in Kenya
23	Dr. Fred Muyesu	KIRDI	Production of Glycerine from Croton Seeds Found in Many Parts of Kenya for Use in Formulation of Commercial Products Including Sex Lubricant for Reduction of HIV AIDS
24	Dr. Millicent Kimemia	Kirinyaga University	Technology Transfer and Innovations in Local Textile and Apparel Production

25	Dr. Chrispine Kawenje	Maseno University	Affordable Green Energy From Agricultural Wastes for Improved Community Livelihood
26	Dr. George O. K'otuto	Maseno University	Developing Agricultural Hubs in Secondary Schools for Learning and Knowledge transfer for Food Security
27	Prof. Mathews Dida	Maseno University	Sustaining and Improving Maize Yields Using Lodging Resistant Genotypes and Augmentation of Soil Organic Carbon in Western Kenya
28	Dr. Agatha Christine Onyango	Maseno University	Development and Testing of Staple-Vegetable Blends Based on Neglected and Underutilized Species for Human Nutritional Sufficiency and Functional Ecosystem Services among Households in Western Kenya
29	Dr. Phoebe Sikuku	Maseno University	Use of African Indigenous Vegetables in Mitigation of Hypertension and Nutritional Security in Western Kenya
30	Prof. Joseph Chacha	Maseno University	Restoration of Critical Riverine Ecosystems in Sondu-Miriu and Ewaso Ng'iro River Catchment
31	Dr. Joshua Arimi	Meru University of Science & Technology	Development of Value Added Camel Milk Products to Enhance Food Security in Arid and Semi-Arid Areas of Northern Kenya
32	Dr. Peter Masinde	Meru University of Science and Technology	Towards improved environmental management and increased food productivity through biochar production
33	Dr. Francis Muyekho	MMUST	Exploiting Napier Grass Stunt Host-Plant Resistance and Integrated Pest Management Practices to Increase Feed Availability in Smallholder Dairy Systems
34	Dr. John chelal	Moi University	Integration of Soybean into Maize and Dairy Value Chains for Secure Food, Nutrition, Income and Resilience of Smallholder Farmers in Uasin Gishu County, Kenya
35	Dr. Electrary Lelei	Moi University	Implant Biotribology for Trauma Orthopedics: Anatomy, Finite Element Modelling and In Vivo Implant Use for Trauma Care
36	Dr. Milton Arimi	Moi University	Sustainable Technologies for Potable Water Treatment in Kenya
37	Dr. Anastasia Ngige	Multimedia University of Kenya	Antibiotics in Food and Environment: Occurrence, Role in Formation and transfer of Resistant Genes and their removal from Wastewater using Green Adsorbents from Locally available Materials
38	Dr. Joyce Jefwa	National Museums of Kenya	Germplasm Conservation of Indigenous Edible Mushrooms to Diversify Nutritious and Safe Food Sources in Kenya

39	Dr. Wilton Mwema Mbinda	Pwani University	Developing sustainable Cashew Production for improved Food Security, better Nutrition and Income in Kenya
40	Dr. Florence Oduor	Rongo University	Domestication and Utilization of Moringa as Food Supplements to Children for Sustainable Improvements in Nutrition and Rural Development
41	Prof. Michael Kiptoo	SEKU	Epidemiological Profile of Snakebites, Antivenom Efficacy and Its Socio-Economic Impact in South Eastern Region, Kenya
42	Dr. Josephat. N Kimatu	South Eastern Kenya University	Transforming the Traditional Cassava Production Systems into Sustainable Food Security Strategy and Value Added Industrial Products for Rural Development in the South Eastern Region of Kenya
43	Dr. Vincent Omwenga	Strathmore University	Towards a Sustainable and Context-Based Patient-Centred Diabetes Management - A System Dynamic approach to Diabetes Management in Kenya
44	Dr. Holiness Nose	Technical University of Kenya	Electronic (E-VAXI) Application/Platform: Enhancing Coverage, Timeliness and Completeness in Routine Immunization in Kenya through Technology
45	Dr. Salesio Kiura	Technical University of Kenya	Analytics Dashboard for Monitoring and Surveillance of Health Service Delivery to achieve Universal Health Care: Case of Cancer
46	Gibson K. Gicheru	Technical University of Mombasa	Characterization of Coconut Palm Genotypes for Poverty Alleviation and Food Security in the Coast Region of Kenya
47	Dr. Huxley M. Makonde	Technical University of Mombasa	Bioprospecting and Ethnomycological Studies on Wild Edible and Medicinal Macrofungi at the Coastal Region of Kenya
48	Prof. Moses M. Ngeiywa	University of Eldoret	Leishmaniasis in Mt. Elgon Focus: Vector(s) species, reservoir host(s) and innovative approaches to their control
49	Dr. Josiah Njiru Gitari	University of Embu	Value Chain Performance of Hard Endosperm Sorghum and their Crossbreeds with Gadam Sorghum in Sampled ASAL Regions of Kenya
50	Dr. Paul Njiru Nkathanio	University of Embu	Integrated Approach to Produce Super Yielding Basmati 370 Hybrid Rice Seeds for Farmers
51	Dr. Douglas W Miano	University of Nairobi	Enhancing Cassava Production, adoption and utilization for improved food security in Kenya
52	Dr. Albert W Nyongesa	University of Nairobi	Use of Locally available Resources for development of affordable Oestrogen and Progesterone Elisa Kits for Research and Diagnostics to enhance Livestock Production

53	Dr. Muchane Muchai	University of Nairobi	Guineafowl-Fish-Arrowroot Integration for Improved Food Security and Nutrition in Kenya
54	Dr. Albert Ndakala	University of Nairobi	Computer guided development of Antifungal Agents for Candidiasis
55	Dr Ann Wairimu Kamau	University of Nairobi	Scaling-up Community Health Workers capacity in Malaria Prevention and Control in Coastal Region, Kenya
56	Dr. Richard Ayah	University of Nairobi	From Waste Bottle to Effective Health Care: Manufacturing Low Cost Microscopes for Tele-Microscopy Diagnosis
57	Dr. Siphila Wanjiku Mumenya	University of Nairobi	Development of Novel Construction Materials and Electricity Generation Systems that Make Use of Selected Agricultural Waste
58	Dr. Robert Wambugu	University of Nairobi	Alternative Construction/Building Technologies for the Provision of Affordable Low-Cost Housing in Kenya