

WINNERS FIRST ROUND OF UGANDA MSI COMPETITIVE GRANTS

A1 – Senior Research Teams			
1.	Thomas Egwang Gordon	Malaria Vaccine Studies In Uganda: Site Preparation, Infrastructure Development, and Capacity Building For Clinical Trials	Medical Biotechnology Laboratories Limited doublestrand2000@yahoo.com ; 0753196364
2.	Dr. Okori Patrick	Unlocking the Potential of Maize and Sorghum as New Food, Feeds and Industrial Raw Materials.	Makerere University Department of Crop Science pokori@agric.mak.ac.ug ; 0772683623
3.	Dr. Justus Rutaisire	Development of Culture Technologies for Increased and Sustainable Production of the Nile Perch (<i>Lates niloticus</i>) (Linnaeus, 1758)	National Fisheries Resources Research Institute, Jinja, jusruta@yahoo.com ; 0772501227
A2 – Emerging Research Teams			
4.	Dr. Julius Bunny Lejju	An Investigation Of The Influence Of Climate Change And Human-Induced Environmental Degradation On Lake Level Dynamics Of Lake Victoria	Mbarara University of Science and Technology leju2002@yahoo.co.uk ; 0782 809814
5.	Prof. David Osiru	Targeting Gene-Based Markers Associated with Drought Tolerance Mechanisms for Cassava Breeding	Makerere University, Department of Crop Science c/o jbisikwa@agric.mak.ac.ug or jbisikwa@yahoo.com
6.	Dr. Settumba B. Mukasa	Enhancing Banana Production through Application of Biotechnology: Scaling up the Production of Disease-free Tissue Cultured Banana Plantlets in Uganda	Makerere University Department of Crop Science sbmukasa@agric.mak.ac.ug ; 0782670041
7.	Dr. Denise Njama-Meya	Assessment Of Antimalarial Drug Use At The National Referral Hospital Mulago In Febrile Patients With Negative Blood Smears	Department of Medicine, Faculty of Medicine Makerere University Medical School; denise.meya@gmail.com /dnjama@hotmail.com 0774448850
B1 – New Undergraduate Science and Engineering Programs			
8.	Prof. Allen Babugura	Enhancing Curricular Connectedness in Mathematics, Science and Technology: An In-Service Gender-Sensitive Secondary Teachers' Program	Kabale University; babugura_allan@yahoo.com 0777131608
9.	Prof. Callistus Welchy Baliddawa	Creation of the Program of Bachelor of Science in Biosystems Engineering	Gulu University Faculty of Agriculture and Environmental; c_baliddawa@yahoo.com 0774757 830; 0772415840

B2 – Upgrading Existing Undergraduate Science and Engineering Programs					
10.		Dr. Florence Mutonyi D'ujanga	Upgrading the Physics Laboratories at Makerere University	Makerere University Department of Physics; fdujanga@physics.mak.ac.ug 0772478333	
11.		Prof. Nelson Ssewankambo	Strengthening Curriculum Innovations (PBL/COBES) of Faculty of Medicine Makerere University	Faculty of Medicine Makerere University Medical School sewankam@infocom.co.ug ; 0782-973345 – Dr. Ian Munabi	
Window C 1 – Technology Platforms					
12.		Dr. Fred Kabi	Participatory research for technology development on use of molasses urea blocks (MUB) and local feedstuff for improved dairy cattle productivity in Uganda	Faculty of Agriculture Makerere University; Kakira Sugar works (1985) Ltd; Kakira Out growers Rural Development Fund (KORD); Dairy development authority; fredkabi@agric.mak.ac.ug or caec@agric.mak.ac.ug ; 0772 65 71 55	

WINNERS OF SECOND ROUND OF THE UGANDA MSI COMPETITIVE GRANTS

Category	No	Title	Aim	Team Leader	Institution
WINDOW A1- SENIOR RESEARCH TEAMS	1	Long Term Surveillance for Carcinogenic Genital Human Papillomavirus Infections and Sexual Behaviors among Girls Who Receive an HPV Vaccine to Prevent Cervical Cancer in Nakasongola and Ibanda districts	To provide essential information to policy makers for decision making relating to HPV vaccination in Uganda and to enhance research and supervision capacity in the Faculty of Medicine of Makerere University.	Mirembe Florence	Makerere University
	2	Development and Use of Pozzolanic Materials	To provide a comprehensive and holistic reference guide on the proper production and application of pozzolanic materials for construction work in Uganda.	Kerali Geoffrey	Makerere University
	3	Towards Understanding and Developing Varieties Resistant to Cassava Brown Streak Virus Disease in Uganda	To expand knowledge on Cassava Brown Streak Disease, its causal viruses, and develop tools/technologies for sustainable cassava production	Baguma Yona	National Crops Resources Research Institute
WINDOW	4	Adaptive Bandwidth Management in	To enhance sustainable Internet connectivity	Okello	Makerere University

A2 - EMERGING RESEARCH TEAMS		Cooperative Wireless Networks: Affordable and equitable access to the Internet	infrastructure in rural or underserved areas in Uganda, by means of wireless technology	Dorothy	
	5	Increasing Access to Safe Drinking Water by Disinfection Using Solar and UV Radiation	To develop comprehensive understanding of the optimal conditions for effective disinfection and to enhance laboratory-to-field portability and acceptance of the solar radiation technology in the Ugandan context.	Wozei Eleanor	Makerere University
	6	Contributing to the Basic Understanding and Management of Napier Stunt Disease in Uganda	To understand the nature of the causative pathogen of NSD, its vector(s), transmission, spread in the field and effects on yield and nutritive value of Napier grass	Titus Alicai	National Crops Resources Research Institute
	7	Functional genomics of Type III Secretion System (TTSS) of <i>Xanthomonas vasicola</i> pv. <i>Musacearum</i> .	To use the available genomic data to dissect the molecular mechanisms that enable Xvm to successfully infect Banana and cause HR in maize.	Aritua Valentine	National Crops Resources Research Institute
	8	Development of Market-Class Bean Varieties with Durable Resistance for Multiple Pathogens	to generate knowledge on bean anthracnose and root rot and develop market-class bean genotypes with dual resistance to both diseases	Nkalubo Stanely	National Crops Resources Research Institute
WINDOW B1 - NEW UNDERGRADUATE PROGRAMS	9	Bachelor of Science in Textile Engineering	To create an Undergraduate Degree Programme of Textile Engineering at Busitema University is indeed a befitting intervention	Johnnie Wandera	Busitema University
WINDOW B2 - UPGRADING UNDERGRADUATE PROGRAMS	10	Bachelor of Science in Quantity Surveying, Land Economic, and Construction Management	To Strengthen and Upgrade Undergraduate Degree Programs in Quantity Surveying, Land Economics and Construction Management at the Faculty of Technology, Makerere University	Kerali Anthony Geoffrey	Makerere University
	11	Training of Mathematics and Science Teachers by Incorporating ICTs	To improve on the quality of training and produce a critical mass of competent mathematics and	Obwoya Sam	Kyambogo University

		Through Open Distance and E-Learning	science teachers by expanding access to training through Open Distance and E-Learning mode.		
WINDOW C – TECHNOLOGY PLATFORMS	12	The Status and Opportunities for Improving Rice Processing Industry In Uganda	To add value to the rice processing for increased profitability	Eng. (Mr.) Alphonse Candia,	Agricultural Engineering and Appropriate Technology Research Center; AIM Grain Millers Family Diet, Kalerwe; NaCRRI, NARO Makerere University
	13	Artificial Catfish Propagation and Sustainable Capture Fisheries: An Evaluation of Alternative Technologies	To investigate the viability of applying alternative production technologies for artificial African catfish propagation to enhance sustainable capture fisheries for Uganda’s competitiveness in global commodity value chains.	Mugabira Michael	Uganda Management Institute; Sun Fish Farms Ltd; Umoja Fish Farms; Makerere University Faculty of Veterinary Medicine
	14	A preliminary evaluation of industrial and edible salt processing technology at Lake Katwe	To process and the manufacture industrial and human consumption grades of salt which meets approved national and international market standards	Mr. Musiitwa Ssubi Daniel	JDG AFRICA LTD; Mbarara University of Science and Technology

	15	Automated Cargo Route and Vehicle Management: Investment in Computer Based Management for Improved Productivity and Profitability	To improve road transport and cargo handling using ICTs	Mr. Aloysious Zziwa	New Wave Technologies; Globe Trotters Ltd; Amtullah Ltd; Makerere University Faculty of Computing & IT
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WINNERS OF THE THRID ROUND OF THE UGANDA MSI COMPETITIVE GRANTS

Category		Title of Proposal	Principle Investigator	Institutional Address
Window A1: Senior Research Team	1.	The use of molecular diagnostic methods in the study of trypanosome infections in post-conflict districts of Adjumani, Amuru and Moyo in Northern Uganda.	Jack Nyeko Pen-Mogi	Gulu University, P. O. Box, 166, Gulu, Uganda Tel: 256-772-586008 or 256-471-32093 E-mail: pnnyeko@parliament.go.ug or nyekopenmogi@yahoo.com
	2.	Establishment of appropriate diagnostic technologies for increased animal production in Uganda.	Lonzy Ojok	Makerere University Department of Veterinary Pathology, Faculty of Veterinary Medicine, , P.O.Box 7062, KAMPALA. E-mail address: Lonzy@vetmed.mak.ac.ug Telephone Number: Mobile: 0712 410577
	3.	Rural Electrification In Uganda – Increasing Access To Modern Types Of Energy.	Izael Pereira Da Silva	Makerere University Department of Electrical Engineering and Director, Centre for Research in Energy and Energy Conservation. Tel: +256772505792, Email: idasilva@tech.mak.ac.ug
Category		Title of Proposal	Principle Investigator	Institutional Address
Window A2 Emerging	4.	Untangling the biology of groundnut rosette virus complex	Beatrice Akello	National Semi-Arid Resources Research Institute (NaSARRI),

Category		Title of Proposal	Principle Investigator	Institutional Address
Research Team		and mechanisms of resistance to the disease.		P.O. Box Soroti, Uganda. Tel: 256 772 480482 E-mail: lbakello@yahoo.com
	5.	Current Clinical, Demographic Profiles and Treatment Patterns of Patients with Rheumatic Heart Disease (RHD) in Uganda	Mondo Charles Kiiza.	Uganda Heart Institute, Mulago Hospital – Ward 1C, P. O. 7051, Kampala – Uganda. Telephone: 0772-462370 (office); 0774-460496(mobile). Email: charles_mondo@yahoo.com.au
	6.	Isolation and evaluation of local Newcastle Disease thermostable virus strains for vaccine development	Denis.K.Byarugaba	Makerere University Department of Veterinary Microbiology and Parasitology Faculty of Veterinary Medicine P.O.Box 7062, Kampala. Email: dkb@vetmed.mak.ac.ug Tel: Landline: 0414531169, Mobile: 0712 881464
	7.	Development of biotechnological tools for enhancing production and utilization of high quality seed potato	William Wagoire	Buginyanya Zonal Agricultural Research and Development Institute P.O. Box 1356, Mbale, Uganda. E-mail: wagoire1@yahoo.co.uk Telephone: 0782 892480
	8.	Gaining Insight into Physical, Ecological and Biochemical Factors Influencing Mango Fruit Fly Infestation in Uganda.	Caroline Nankinga M Kukiriza	Dr Caroline Nankinga M Kukiriza Senior Entomologist National Agricultural Research Laboratories, Kawanda P. O. Box 7065, Kampala, Uganda; Tel: 256 772 524642 E-mail: cnankinga@kari.go.ug
Category		Title of Proposal	Principle Investigator	Institutional Address
Window B1: Creation of New Courses in Science and	9.	Bachelor of Science in Biotechnology.	Sylvester Nyakaana.	Assoc. Professor Sylvester Nyakaana Department of Botany, Faculty of Science, Makerere University, P.O. BOX 7062, Kampala, Uganda.

Category		Title of Proposal	Principle Investigator	Institutional Address
Engineering				Tel: +256-0392 947428 Email: snyakaana@botany.mak.ac.ug
Window B2: Upgrading of existing courses in Science and Technology	10.	Upgrading the Bachelor of Science in Surveying Undergraduate Degree	Moses Musinguzi	P.O.Box 7062, Kampala, Uganda Tel: +256 414 531047 Mobile: +256 772 511119 E-mail: musinguzim@tech.mak.ac.ug
	11.	Strengthening and Upgrading the Undergraduate Degree Program in Pharmacy and Pharmaceutical Sciences at Mbarara University of Science and Technology’.	Amon Ganafa Agaba	Mbarara University of Science & Technology (MUST), P.O. Box 1410, Mbarara, Uganda. Tel 0712482845/ email: amonagaba@yahoo.com
Window C- Private Sector Cooperation	12.	Strengthening of Practical Training in the Teaching in Diploma Granting Vocational and Technical Training Institutions	Theodora M Twongyirwe Mondo	Theodora M Twongyirwe Mondo BM Technical Services Ltd Plots 7-25 Jetha Ismail Road, Kakoba, Mbarara P.O. Box 956, Mbarara, Uganda E-mail: theodora.mondo@bmts.co.ug , Mobile: 077- 2821-335