

## APPROVED PROPOSALS FOR 2005

Name of P.I.	University	Project Title	Name of Student	Gender	Thesis Title
Banda J. W. (2005 RU CG 01)	University of Malawi	A comparative analysis of the role of credit in promoting the uptake of livestock and crop technologies in Malawi	Sylvia Chindime	F	Role of credit on productivity differentials and competitiveness of dairy
			Horace Phiri	M	Role of credit on the uptake of improved dairy technologies
Boga Hamadi Iddi (2005 RU CG 02)	JKUAT	Assessment of the impact of bt-toxin on soil bacterial and fungal diversity from maize growing agro-ecological zones in Kenya	Isaiah Ndaburu Kiteto	M	Assessment of the impact of Bt-toxin on fungal communities in soils from various maize growing agro-ecological zones in Kenya
			Huxley Mae Makonde	M	Assessment of the impact of Bt-toxin on prokaryotic diversity in soils from various maize growing agro-ecological zones in Kenya
Kaunda E. K. W. (2005 RU CG 03)	University of Malawi	Studies on river bank cultivation and factors affecting <i>mpasa</i> ( <i>Opsaridium microlepis</i> , Pisces: <i>Cyprinida</i> ) catches in Linthipe river basin, Malawi: implications for policy reform	A.B. Zidana	F	Relative contribution of fishing and riverbank cultivations on livelihood security of the Linthipe River riparian communities.
			Moses Limuwa	M	Effects of river bank cultivation on water quality and on <i>Opsaridium microlepis</i> (Mpsa) productivity in the Linthipe River in Salima district.
Mangisoni J. H. (2005 RU CG 04)	University of Malawi	Household level economic and social aspects of forestry conservation and marketing in Blantyre Shire Highlands of Malawi	Boniface Kakhobwe	M	Technical Efficiency of Agroforestry Technologies: A Case of Zomba District in Malawi
			Chimwemwe Selemani-Chamdimba	F	Analysis of Profitability of Agroforestry Technologies in Zomba Rural Development Project
Mashingaidze A.B. (2005 RU CG 05)	University of Zimbabwe	Optimization of biotechnology based techniques for virus indexing of sweet potato and identification of molecular markers for virus resistance	RUKARWA Runyararo J.	F	Optimisation of biotechnological techniques for producing virus free sweet potato planting material
			GASURA Edmore	M	Identification of molecular markers associated with sweet potato virus disease (SPVD) resistance in local and introduced sweet potato genotypes in Uganda
Mburu Mary W. (2005 RU CG 06)	University of Nairobi	Participatory on-farm identification, dissemination and maintenance of sweetpotato varieties tolerant to single and dual infection with sweetpotato feathery mottle and chlorotic stunt viruses	Phyllis Wambui Muturi	M	Participatory evaluation of sweet potato varieties tolerant to sweet potato feathery mottle virus and sweet potato chlorotic stunt virus in central Kenya
			James Kyalo Mwololo	F	On-farm evaluation of sweet potato varieties tolerant to sweet potato virus disease
Mloza-Banda H. R. (2005 RU CG 07)	University of Malawi	Improving water management and irrigation assets for intensified dry season crop cultivation in the Shire Highlands of southern Malawi	Kent Kasitomu	M	Quantification of harvested seasonal runoff water from dambo catchments and its contribution towards dry season bean ( <i>Phaseolus vulgaris</i> ) production in the Shire Highlands, Southern Malawi
			Chikondi Makwiza	F	Yet to be determined
Mpeperek S. (2005 RU CG 08)	University of Zimbabwe	Biodiversity of promiscuous soyabean rhizobia and genetic stability of inoculant strains in Zimbabwe	Mazvita Sheila MURWIRA	F	Genetic stability of Soyabean Inoculant strains in Zimbabwe
			Josiah Tonderai MUKUTIRI	F	Biodiversity of indigenous promiscuous soyabean rhizobia in Zimbabwean soils

Muasya R. M. (2005 RU CG 09)	Moi University	Developing spider plant seed production technologies with farmers in western and eastern Uganda	Harrison Kyende Makundi	M	Socio-economic constraints to Spider plant ( <i>Cleome gynandra L.</i> ) Crop and Seed Production by farmers in western Kenya and eastern Uganda
			Veronica Nzilani Ndetu	F	Spider plant ( <i>Cleome gynandra L.</i> ) Ecotypes Characterisation and Effects of Seed Handling Methods on Quality by Farmers in western Kenya and eastern Uganda
Nyakanda C. (2005 RU CG 10)	University of Zimbabwe	Integrating leaf and grain production strategies for efficient exploitation of highly marketable cowpea (black-eyed-bean (beb)) types	Anniah Matikiti	F	Estimates of the Impact of Leaf Harvest Intensity, Frequency and Duration on Growth, Yield and Nutritional Composition in Cowpea of the Black-eyed Bean (BEB) Type
			Ernest Dube	M	Studies on Options to Minimize the Negative Effects of Leaf and Whole Plant Harvesting on Cowpea of the Black-eyed Bean (BEB) Type
Ogol Callistus (2005 RU CG 11)	Kenyatta University	Building ecological framework for cultural control of sweet potato pests in south-western Kenya	Esther Adhiambo Abonyo	F	Assessment of Distribution of Sweetpotato Pests and Diseases in Relation to Alternate Hosts in Southwestern Kenya
			Margaret Orengo Kababu	F	Effects of Cultural Control Practices and Organic Soil Amendments in the Management of Sweetpotato Pests in Southwestern Kenya
Okori Patrick (2005 RU CG 12)	Makerere University	Enhancing marker assisted selection for quality protein: developing markers for kernel texture modifier genes	Gerald Obalim	M	Investigating the nature of association between starch branching enzymes and modification of opaque-2 in quality protein maize
			Ann Nalukenge	F	Investigating the nature of association between Globular Bound Starch synthase I and modification of opaque 2 in quality protein maize
			Mcebisi Maphosa	M	Development of molecular markers for background selection and modifier genes for quality protein maize breeding
Pathak R. S. (2005 RU CG 13)	Ergeton University	Molecular characterisation of local landraces of maize for drought tolerance and resistance to stem borer ( <i>Chilo partellus</i> Swinhoe) in Kenya	Munyiri, Shelmith Wanja	F	Phenotypic characterization of local maize landraces for drought tolerance and resistance to storage insect pests in Kenya.
			Kamau, Michael Mwangi	M	Molecular characterization of local landraces of maize for drought tolerance and resistance to spotted stem borer ( <i>Chilo partellus</i> Swinhoe) in Kenya.
Phiri M. A. R. (2005 RU CG14)	University of Malawi	Commercialization of cassava production for improved food security and poverty reduction among smallholder farmers in Malawi: potentials and constraints	Max Chunga	M	Assessment of the Potential of Cassava for Industrial Use. Potential and Constraints.
			Owen Sopo	M	Role of Farmers' Associations and Marketing Information System on Marketing of Agricultural Produce in Malawi.

Rubaihayo P. R. (2005 RU CG 15)	Makerere University	Resistance breeding for cowpea aphid-borne mosaic virus disease using conventional and biotechnology tools	Abel Arinaitwe	M	"Molecular detection, distribution and pathogenesis of cowpea viruses in Uganda"
			Robert Amayo	M	"Transmission and molecular characterisation of cowpea viruses in Uganda"
Tagwira Fanuel (2005 RU CG 16)	Africa University	Improving soil fertility in smallholder maize and groundnut production systems	MUTUKWA, Itai Blessings	F	Effect of crop sequence on effectiveness of Dorowa phosphate rock as a source of phosphorus.
			MTENGWA, Onai	F	The use of composted phosphate rock in improving the yields of smallholder maize and groundnuts
Tusiime Geoffrey (2005 RU CG 17)	Makerere University	Application of marker assisted selection (MAS) for the improvement of anthracnose resistance in common bean ( <i>Phaseolus Vulgaris</i> ) in Uganda	Nabukalu Pheonah	F	Application of Marker assisted selection for the improvement of anthracnose resistance in common bean ( <i>Phaseolus vulgaris</i> ) in Uganda
			Mwesigwa Jasper	M	Molecular and pathogenic Characterization of <i>Colletotrichum lindemuthianum</i> in Uganda
Bhebhe Evison (2005 RU CG18)	University of Zimbabwe	Improving productivity of the Mukota pig breed of Zimbabwe	George Chiduwa	M	Genetic Resource Base, Breeding Patterns and Herd Dynamics of Indigenous Pigs in a Semi-arid Smallholder Farming Area of Zimbabwe.
			Shingai Musamba	M	Growth performance, carcass and meat quality of indigenous pigs fed on different levels of energy and protein.
Kwapata M. B. (2005 RU CG 19)	University of Malawi	Development of drought tolerant sweet potato varieties using molecular techniques	Phillip Kamwendo	M	" <i>Agrobacterium Tumefaciens</i> -Mediated transformation Of selected sweet potato varieties with <i>Xvprx2</i> Gene conferring drought tolerance".
			Abel Sefasi	M	Genetic transformation of sweet potato [ <i>Ipomoea batatas</i> (L.) LAM] with <i>Nicotiana Protien Kinase (NPK1)</i> gene for drought tolerance.
Maposse I. (2005 RU CG 20)	Eduardo Mondlane	Alternative feeding systems for goat production in Mozambique	Paulo Ferro	M	Production, quality and seedling vigour of fodder trees in southern Mozambique
			Antonio Mauvilo	M	Performance of goats and kids fed fodder trees in southern Mozambique