

## ACADEMIC STAFF PROFESSIONAL PROFILE FORM



### 1. Personal Data

<b>Name:</b> Wilson M. Thagana
<b>Title/Qualifications:</b> PhD
<b>Department/Unit/Section:</b> Agricultural Science and Technology (AST)
<b>Contact Address:</b> Kenyatta University, 43844-00100, Nairobi, Kenya
<b>Position:</b> Senior Lecturer
<b>Area of Specialization:</b> Plant Breeding & Biotechnology
<b>Research Interests:</b> Application of biotechnological tools in crop improvement, Breeding for drought and salinity tolerance

### 2. Conference Presentations

S/N	Presenter	Title of Paper presented	City/Country	Date of Conference	Funding (US\$)
1	<b>Thagana, W.M.</b>	Identification of SSR Markers associated with Cassava Mosaic Disease in Kenya	ASACSES conference, ECOWAS Parliament Building, Abuja, Nigeria	2 <sup>nd</sup> -5 <sup>th</sup> November, 2015	-
2	<b>Thagana, W.M.</b>	Envisaged MSc Postharvest Technology Curriculum at Kenyatta University	Kyambogo University, Kampala, Uganda	5 <sup>th</sup> -9 <sup>th</sup> August, 2015	-
3	<b>Thagana, W.M.</b>	Efficacy of a Local and Commercial Rooting powder	1 <sup>st</sup> School of Agriculture Biennial International Conference sponsored by KU/AGRA/DAAD/Uo	1 <sup>st</sup> -5 <sup>th</sup> December, 2014	-

		on Roses	N, Kenyatta University, Nairobi, Kenya		
4	<b>Thagana , W.M.</b>	Effects of Withholding Irrigation Water after Complete Heading on Seed Quality Traits in Mwea	1 <sup>st</sup> School of Agriculture Biennial International Conference sponsored by KU/AGRA/DAAD/Uo N, Kenyatta University(KU), Nairobi, Kenya	1 <sup>st</sup> -5 <sup>th</sup> December, 2014	-
5	<b>Thagana , W.M.</b>	Targeted Plant Breeding	KARI-Thika/Kenya	1/11/13	-
6	<b>Thagana , W.M.</b>	Effect of Seed Size on Germination and Early Growth of Jojoba in Semi- arid Areas of Kenya	11 <sup>th</sup> African crop Science Society Conference. Imperial Botanical Beach Hotel, Entebbe-Uganda.	13 <sup>th</sup> -17 <sup>th</sup> October 2013.	-
7	<b>Thagana , W.M.</b>	Effect of Withholding Irrigation Water after Complete Heading on Rice Yield and Components in Mwea, Kenya	11 <sup>th</sup> African crop Science Society Conference. Imperial Botanical Beach Hotel, Entebbe-Uganda.	13 <sup>th</sup> -17 <sup>th</sup> October 2013.	-
8	<b>Thagana , W.M.</b>	Characterization of Arabusta ( <i>Coffea arabica</i> L. x <i>Coffea</i> <i>canephora</i> Pierre) Coffee and it's Parental Genotypes using Molecular Markers	11 <sup>th</sup> African crop Science Society Conference. Imperial Botanical Beach Hotel, Entebbe-Uganda.	13 <sup>th</sup> -17 <sup>th</sup> October 2013.	-
9	<b>Thagana , W.M.</b>	Effect of Genotype, Plant Spacing and Weeding Regimes	11 <sup>th</sup> African crop Science Society Conference. Imperial Botanical Beach Hotel, Entebbe-Uganda.	13 <sup>th</sup> -17 <sup>th</sup> October 2013.	-

		on Weed Density and Yields of Upland Rice in Uganda.			
10	<b>Thagana , W.M.</b>	Enhancing Cassava Productivity Through Host plant Resistance Breeding Against Cassava Mosaic Disease and Cassava Brown Streak Disease using Genetic Engineering and Marker Assisted Selection-a Kenyan project	Arusha/Tanzania	28/1/13 - 1/02/13	-
11	<b>Thagana W.M.</b>	Characterization of Sweet Potato [ <i>Ipomea batatas</i> (L)] Landraces using Morphological and DNA markers in East Kamagak Location of Rachuonyo District.	Bondo University College (BUC), Bondo, Kenya.	4 <sup>th</sup> -7 <sup>th</sup> December 2012.	-
12	<b>Thagana , W.M.</b>	Occurrence of seed abortion and numerical components of seed yield of soyabean ( <i>Glycine</i>	El Minia/Egypt	25 <sup>th</sup> -29 <sup>th</sup> March, 2012	925

		<i>max</i> L. Merr.) in three contrasting environments.			
13	<b>Thagana , W.M.</b>	Commercialization and Utilization of Jojoba ( <i>Simmondsia chinensis</i> [Link] Schneider) as a basis for Industrialization and Income Generation in ASALs	UniBRAIN/PanAAC Fair, Hilton Hotel, Nairobi	26 <sup>th</sup> -27 <sup>th</sup> November, 2010	-
14	<b>Thagana , W.M.</b>	Selection and characterization of superior bushes of Jojoba ( <i>Simmondsia chinensis</i> [Link] Schneider) for ASALs in Kenya.	Nairobi/ Kenya	7 <sup>th</sup> -9 <sup>th</sup> April, 2010	300
15	<b>Thagana , W.M.</b>	Chickpea - a promising new food legume crop for drought prone cool areas of Kenya.	Cape Town/ South Africa	2009	-
16	<b>Thagana , W.M.</b>	Comparison of phenotypic characters of mutant lines of rapeseed ( <i>Brassica napus</i> L ) with the original parents.	Nairobi/ Kenya	2008	-
17	<b>Thagana , W.M.</b>	<i>In vitro</i> embryo culture and immature seed germination techniques for rapid generation advance in	Nairobi/ Kenya	2006	-

		soyabean [ <i>Glycine max</i> (L.) Merrill].			
18	<b>Thagana , W.M.</b>	Variability in M <sub>2</sub> generations and characteristics of selected advanced mutant lines of rapeseed.	Nairobi/ Kenya	2006	-
19	<b>Thagana , W.M.</b>	Characterization and genetic relationships of rapeseed ( <i>Brassica napus</i> L.) accessions.	Entebbe/ Uganda	2005	-
20	<b>Thagana , W.M.</b>	Effect of irradiation on M <sub>1</sub> generations of rapeseed ( <i>Brassica napus</i> L.).	Entebbe/ Uganda	2005	-
21	<b>Thagana , W.M.</b>	Introduction and status of Jojoba <i>Simmondsia chinensis</i> (Link) Schneider production in Kenya.	Nairobi/ Kenya	2004	-
22	<b>Thagana , W.M.</b>	Genotype-environment interactions and stability estimates for sunflower ( <i>Helianthus annuus</i> L.) varieties grown in diverse environments in Kenya.	Johannesburg/ South Africa.	2002	-
23	<b>Riungu, T.C./ Thagana</b>	Holistic approach in the dissemination of	Egerton university/ Kenya	2001	-

	, <b>W.M.</b>	technologies in Lare division, Nakuru district			
24	<b>Thagana</b> , <b>W.M.</b>	The status of Kenya in the Global production and supply of oilseed and oilseed products.	Nairobi/ Kenya	2000	-
25	<b>Thagana</b> , <b>W.M.</b>	Characteristics of Sunflower ( <i>Helianthus annuus</i> L.) varieties grown in Kenya.	Maputo/ Mozambique	1999	-
26	<b>Thagana</b> , <b>W.M.</b>	Yield performance of sunflower ( <i>Helianthus annuus</i> L.) genotypes on selfing and outcrossing.	Nairobi/ Kenya	1998	-
27	<b>Thagana</b> , <b>W.M.</b>	The effect of seed size on germination of sunflower ( <i>Helianthus annuus</i> L.) in the laboratory.	Nairobi/ Kenya	1996	-

### 3. Research

S/ No	Researcher	Year	Title	Donor	Funding (US\$)
1	<b>Thagana,</b> <b>W. M.</b>	2017- 2018	Commercialization of Locally Developed Agricultural	Kenyatta University Vice Chancellors' Research Grant Call	11,000

			Inputs-Foliar Fertilizers, Hydroponic Nutrient Solutions and Rooting Powders	2016	
2	<b>Thagana, W. M.</b>	2017-2019	Development of Resistant Doubled Haploid Genotypes of Barley by Chromosome Elimination using Bulbosum Technique	NRF	20,000
3	<b>Thagana, W. M.</b>	2016-2018	Fingerprinting and Relating Juvenile Characters of Rice to Yield and Its Components	NACOSTI	8,000
4	<b>Thagana, W. M.</b>	2014-15	Nutrition-sensitive Intervention with African Leafy Vegetables to Improve Nutrition Status of School Going Children in Kenya	Kenyatta University Vice Chancellors' Research Grant Call 2013	16,666
5	<b>Thagana,</b>	2012-	Enhancing	EAAPP	264,677

	<b>W.M.</b>	15	Cassava Productivity Through Host Plant Resistance Breeding Against Cassava Mosaic Disease and Cassava Brown Streak Disease		
6	<b>Thagana, W.M.</b>	2011-12	Characterization of Sweet Potato ( <i>Ipomea batatas</i> [L.] Lam) Landraces Using Morphological and DNA Markers in East Kamagak Location of Rachuonyo District	NCST	2,169
7	<b>Thagana, W.M.</b>	2008-2010	Enhancing Chickpea Productivity and Production in Drought-Prone Areas of sub-Saharan Africa and South Asia	Bill & Melinda Gates	106,830
8	<b>Thagana, W.M.</b>	2008-09	Commercialization and utilization of Jojoba in ASALS	KAPP	100,000
9	<b>Thagana, W.M.</b>	1993-2010	Breeding Oilseed Crops	KARI	-
10	<b>Thagana, W.M.</b>	1983-1993	Maize and Sorghum Variety Performance Trials	SRD/MoA	-



#### 4. Funded projects

S/ No	Researcher	Year	Title	Granting Body	Funding (US\$)
1	<b>Thagana, W. M.</b>	2017-2018	Commercialization of Locally Developed Agricultural Inputs-Foliar Fertilizers, Hydroponic Nutrient Solutions and Rooting Powders	Kenyatta University Vice Chancellors' Research Grant Call 2016	11,000
2	<b>Thagana, W. M.</b>	2017-2019	Development of Net Blotch Resistant Doubled Haploid Genotypes of Barley by Chromosome Elimination using Bulbosum Technique	NRF	20,000
3	<b>Thagana, W. M.</b>	2016-2018	Fingerprinting and Relating Juvenile Characters of Rice to Yield	NACOSTI	8,000

			and Its Components		
4	<b>Thagana, W. M.</b>	2014-15	Nutrition-sensitive Intervention with African Leafy Vegetables to Improve Nutrition Status of School Going Children in Kenya	Kenyatta University Vice Chancellors' Research Grant Call 2013	16,666
5	<b>Thagana, W.M.</b>	2012-15	Enhancing Cassava Productivity Through Host Plant Resistance Breeding Against Cassava Mosaic Disease and Cassava Brown Streak Disease	EAAPP	264,677
6	<b>Thagana, W.M.</b>	2011-12	Characterization of Sweet Potato ( <i>Ipomea batatas</i> [L.] Lam)	NCST	2,169

			Landraces Using Morphological and DNA Markers in East Kamagak Location of Rachuonyo District		
7	<b>Thagana, W.M.</b>	2008-2010	Enhancing Chickpea Productivity and Production in Drought-Prone Areas of sub-Saharan Africa and South Asia	Bill & Melinda Gates	106,830
8	<b>Thagana, W.M.</b>	2008-09	Commercialization and utilization of Jojoba in ASALS	KAPP	100,000

## 5. Publications

S/No.	Author	Year	Title	Journal	ISBN/ISSN Reference No.
1	<b>Thagana, W.M.</b>	2016	Appropriate Plant Growth Regulators and Genotypes for Propagation of Jojoba ( <i>Simmondsia chinensis</i> L.)	<b>International Journal of Current Research (IJCR)</b>	8(1): 24876-24882 ISSN: 24876-24882 (Online)
2	<b>Thagana, W.M.</b>	2016	Effect of some Agricultural Practices on Field Performance of Jojoba ( <i>Simmondsia Chinensis</i> L.) Seedlings in	<b>Merit Res. Agric. Sci. soil Sci.</b>	4(1): 014-022 ISSN: 2,350-2,274 (Online)

			Semi-Arid Areas of Voi, Kenya		
3	<b>Thagana, W.M.</b>	2016	Assessment of Sweet Potato Propagules for Re- infection by Various Viruses in East Kamagak Location – Homa Bay County-Kenya	<b>American Journal of Experimental Agriculture (AJEA)</b>	11(1): 1-9 Article no.AJEA.21,868  ISSN: 2,231-0606 (Online)
4	<b>Thagana, W.M.</b>	2015	Yield and Nutritive Attributes Are Not Considered by Farmers in Choice of Sweet Potato Varieties Grown in East Kamagak Location – Homabay County-Kenya.	<b>The International Journal of Technoledge</b>	3(9): 69-73  ISSN: 2,321-919X (Online)
5	<b>Thagana, W.M.</b>	2015	Sex Determination of Young Nursery Jojoba ( <i>Simmondsia Chinensis</i> L) Plants using Morphological Traits in Semi-Arid Areas of Voi, Kenya.	<b>Journal of Biology, Agriculture and Healthcare</b>	5(16): 113-123  ISSN: 2,224-3,208 (Paper)  ISSN: 2,225-093X (Online)
6	<b>Thagana, W.M.</b>	2015	Studies on Seed Size and Storage on Germination and Performance of Young Jojoba ( <i>Simmondsia Chinensis</i> L)	<b>Journal of Biology, Agriculture and Healthcare</b>	5(12): 10-16  ISSN: 2,224-3,208 (Paper)  ISSN 2,225-093X (Online)

			Seedlings in Semi-arid Areas of Kenya		
7	<b>Thagana, W.M.</b>	2014	Beverage Quality and Biochemical Attributes of Arabusta ( <i>C. arabica</i> x <i>C. canephora</i> P.) and their Parental Genotypes	<b>African Journal of Food Science</b>	8(9): 456-464 (2014)
8	<b>Thagana, W.M.</b>	2014	Genetic Characterization of Arabusta Coffee Hybrids and Their Parental Genotypes using Molecular Markers	<b>Plant Cell Biotechnology and Molecular Biology</b>	15(1&2): 31-42 (2014)
9	<b>Thagana, W.M.</b>	2013	Seed Abortion and Numerical Components of Seed Yield of Soyabean ( <i>Glycine max</i> L. Merr.) in Three Contrasting Agroecologies	<b>J. Agri. Sci.</b>	4(1): 1-5 (2013)
10	<b>Momo, J.A. and Thagana, W.M.</b>	2013	Effect of withholding Irrigation Water after complete Heading on Rice Yield and Components in Mwea-Kenya	<b>J. Agri. Sci.</b>	4(2): 69-75 (2013)
11	<b>Thagana, W.M.</b>	2013	Variability in M <sub>2</sub> Generations and Characteristics of Advanced Mutant lines of Rapeseed	<b>J. Agri. Sci.</b>	4(2): 83-86 (2013)

			( <i>Brassica napus</i> L.)		
12	<b>Thagana, W.M.</b>	2016	KST 209: Principles of Crop Production	<b>Kenyatta University DSVOL Module</b>	Kenyatta University-DSVOL Website
13	<b>Thagana, W.M.</b>	2016	KST 206: Principles of Agricultural Biotechnology	<b>Kenyatta University DSVOL Module</b>	Kenyatta University-DSVOL Website
14	<b>Thagana, W.M.</b>	2014	KST 130: Field Course	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
15	<b>Thagana, W.M.</b>	2014	KST: 813: Agricultural Biotechnology	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
16	<b>Thagana, W.M.</b>	2014	KST 835: Utilization of Plant Genetic Resources	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
17	<b>Thagana, W.M.</b>	2014	KST 845: Population and Quantitative Genetics	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
18	<b>Thagana, W.M.</b>	2014	KST 850: Seed Physiology and Biotechnology	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
19	<b>Thagana, W.M.</b>	2011	KST 532: Plant Biotechnology and Molecular Biology	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
20	<b>Thagana, W.M.</b>	2010	KST 513: Agricultural Biotechnology	<b>Kenyatta University Odel Module</b>	Kenyatta University-DSVOL Website
21	<b>Thagana, W.M.</b>	2009	Heterosis in hybrids derived from cultivars and mutant lines of rapeseed ( <i>Brassica napus</i> L.).	<b>PhD Thesis</b>	Egerton University, Kenya
22	<b>Thagana, W.M., C.M. Ndirangu, E.O.</b>	2007	Performance of rapeseed ( <i>Brassica napus</i> L. ) hybrids and parental	<b>Egerton journal</b>	In Press

	Omolo and T.C. Riungu.		mutant lines in three environments.		
23	<b>Muriithi, W.T.</b> , Indra, S. H., Yeung, E.C. & Thorpe, T.A..	1993	Plantlet regeneration in Chir Pine ( <i>Pinus roxburghii</i> Sarg.): Morphogenesis and Histology.	<b>Forest Ecology and Management</b>	57: 141-160.
24	<b>Thagana, W.M.</b>	1992	Plantlet Regeneration and Bud Developmental Anatomy of <i>Pinus roxburghii</i> , Sarg.	<b>MSc Thesis</b>	University of Calgary, Canada

## 6. Consultancy and community service

S/No.	Consultant (s)	Consulting Person/ Body/ Organization	Year	Title Consultancy Service	Payment (US\$)
1	<b>Thagana W. M.</b>	Ministry of Agriculture	2010-17	Member of the National Committee on International Treaty for Plant Genetic Resources for Food and Agriculture (ITPGRFA).	-
2	<b>Thagana W. M.</b>	Ministry of Agriculture	2009-2017	Member of the National Variety	-

				Release Committee (NVRC).	
3	<b>Thagana W. M.</b>	Kenya Plant Health Inspectorate Service (KEPHIS)	2009-2017	Member of the National Performance Trials Committee (NPTC).	-

### 7. Affiliation to Professional Bodies

S/No	Name of professional body
1	<b>Member, Plant Breeders' Association of Kenya (PBAK), 2003-Todate</b>
2	<b>Member of East African Seed committee (EASCOM)</b>

### 8. National and International awards and Recognitions

S/No	Name of award or Recognition	Awarding Organization/Body	Year
1	Awarded US \$1,704 to attend <b>Guelph East Africa Workshop</b> , Serena Hotel, Dar es Salaam, Tanzania	Kenyatta University/ <b>University of Guelph, Canada</b>	<b>23<sup>rd</sup>-26<sup>th</sup> February, 2014</b>
2	Awarded US \$120 for <b>Best idea on water harvesting</b>	<b>Kenyatta University Management</b>	<b>2011</b>
3	Financial support to attend EASCOM AGM Entebbe, Uganda	<b>EASCOM of ASARECA</b>	<b>24<sup>th</sup>-25<sup>th</sup> February, 2011</b>
4	<b>Fellowship</b> -chickpea breeding and seed production.	International Crops Research Institute for the Semi arid Tropics ( <b>ICRISAT</b> ), <b>Patancheru, India.</b>	<b>6/01-5/02/09</b>
5	<b>Fellowship</b> -Jojoba breeding and production.	Kenya Agricultural Productivity Project ( <b>KAPP</b> )/Association of the Rajasthan Jojoba Plantation Research Project (AJORP) <b>Jaipur, Rajasthan, India</b>	<b>21/9-30/9/2008</b>
6	<b>Best paper in Horticulture and Industrial Crops (US \$ 400)</b>	<b>Secretariat 11<sup>th</sup> KARI Scientific Conference</b>	<b>2008</b>



7	<b>Best paper in Biotechnology (US \$ 145)</b>	<b>Secretariat 10<sup>th</sup> KARI Scientific Conference</b>	2006
8	<b>Fellowship</b> -Molecular marker techniques for development of improved crop varieties.	<b>IAEA/AFRA/ARC-LNR, Roodeplaat, Pretoria, South Africa</b>	<b>14/8-1/9/2006</b>
9	<b>Fellowship</b> -Marker Assisted selection and Mutation Breeding.	<b>IAEA/KARI, Njoro, Kenya</b>	<b>3-14 /10/2005</b>
10	<b>Fellowship</b> -Advances in Molecular Characterization for Crop Improvement.	<b>IAEA/KARI, Njoro, Kenya</b>	<b>16/2-27/2/2004</b>
11	<b>Awarded US\$ 1,000</b> to attend conference in Johannesburg, South Africa.	<b>International Sunflower Association (ISA)</b>	<b>2002</b>
12	<b>Fellowship</b> -Sunflower breeding.	<b>World Bank/Directorate of Oilseed Research (DOR), Hyderabad, India.</b>	<b>18/9-18/11/96</b>

#### 9. External Examination (if any)

S/No	Institution	Year
1	External Examiner, MSc Thesis, Jomo Kenyatta University of Agriculture and Technology.	2017
2	External Examiner, PhD Thesis, Jomo Kenyatta University of Agriculture and Technology.	2016
3	External Examiner, MSc Thesis, Egerton University.	2016
4	External Examiner, MSc Thesis, University of Nairobi.	2015
5	External Examiner, MSc Thesis, Jomo Kenyatta University of Agriculture and Technology.	2015
6	Finalization of Seed and Plant Varieties Act (CAP326) Regulations	2015
7	2014: Reviewer, AGRA/KU/UON/HAK International Conference	2014
8	2014: Reviewer, Journal of Applied Biosciences (JABs)	2014
9	Review of Seed and Plant Varieties	2013

	Act (CAP326) Regulations	
10	Reviewer of Papers-Journal of Animal and Plant Sciences	2010
11	Reviewer of Papers-10 <sup>th</sup> KARI Conference	2008

#### 10. Supervision of postgraduate students (if any)

S/No	Name of student	Thesis title	Status of project(e.g. First year etc)
1	<b>Inoti, Shadrack Kinyua</b>	PhD-Characterization, Propagation and Management of Jojoba ( <i>Simmondsia chinensis</i> ) in Semi-arid Areas of Voi, Kenya.	Graduated 25 <sup>th</sup> November, 2016,- <b>Sokoine University of Agriculture, Tanzania</b>
2	<b>Sylvia A. Henga</b>	PhD-Finger Printing and Relating Juvenile Characters of Rice to Yield and its Components	Third Year-(NACOSTI Grant)- <b>Kenyatta University</b>
3	<b>Wakhanu John Akello</b>	PhD-Nutrition-sensitive Intervention with African Leafy Vegetables to Improve Nutrition Status of School Going-Children in Kenya	Third Year-(Vice-chancellor's Grant-sponsored) <b>Kenyatta University</b>
4	<b>Onyango Rosally Anyango</b>	PhD-Development of Net Blotch Resistant Doubled Haploid Genotypes of Barley by	First Year-(NRF Grant) <b>Kenyatta University</b>

		Chromosome Elimination using Bulbosum Technique.	
5	<b>James Mwita Gimase</b>	PhD-Pyramiding of Genes for Conferring Resistance to Coffee Berry Disease ( <i>Colletotricum kahawae</i> ) in <i>Coffea arabica</i> L. Using Marker Assisted Selection.	First year, <b>Kenya University</b>
6	<b>Kirui Kipngetich Rickson</b>	MSc-Evaluation of Chickpea ( <i>Cicer arietinum</i> Genotypes for Fusarium Wilt Resistance and Its' Management by Fungicides.	Completed- awaiting graduation- <b>Egerton University</b>
7	<b>Onyango Rosally Anyango</b>	MSc-Characterization of Virus-free Sweet Potato ( <i>Ipomea batatas</i> [L.] Lam) Landraces Using Morphological and SSR Markers in East Kamagak Location- Rachuonyo District.	Graduated 4 <sup>th</sup> July 2014, <b>Kenyatta University</b>
8	<b>Jobson Aruna Momo</b>	MSc-Effect of Withholding Irrigation Water at Different Levels After Complete Heading on Rice Yield and Seed Quality.	Graduated 4 <sup>th</sup> July 2014, <b>Kenyatta University</b>

9	<b>James M. Gimase</b>	MSc-Genetic Diversity of Arabusta Coffee ( <i>Coffea arabica</i> L. x <i>Coffea canephora</i> Pierre) and their Parental Genotypes.	Graduated 4 <sup>th</sup> July 2014, <b>Kenya University</b>
10	<b>Anyang Robert Tabot</b>	MSc-Effects of Varietal Differences, Plant Spacing, and Yields of Upland Rice in Uganda.	Graduated 19 <sup>th</sup> July, 2015, <b>Kenya University</b>
11	<b>Ochieng Alfred Odhiambo</b>	MSc-Cytoplasmic Genes and Their Influence in the Productivity of Dry bean ( <i>Phaseolous vulgaris</i> ).	Second year, <b>Kenya University</b>
12	<b>Wanyama Patrick Wanjala</b>	MSc-Path and Stability Analyses of Yield and Yield Components of Soyabean ( <i>Glycine max.</i> L Merr.) Varieties Intercropped with Maize	Second year, <b>Kenya University</b>
13	<b>Tabitha Kariithi</b>	MSc-Effect of Organic and	Submitted Thesis, <b>Kenyatta University</b>

		Inorganic Fertilizers on Yield and Quality of <i>Amaranthus</i> Species in Kiambu County	
14	<b>Mary Wakaria</b>	MSc-Evaluation of Rice Germplasm for Resistance to Rice Blast ( <i>Magnaporthe oryzae</i> ) in Mwea, Kirinyaga County –Kenya.	Second year, <b>Kenyatta University</b>
15	<b>Bii Erick Kipyegon</b>	MSc-Efficacy of Local Foliar Feed Formulation Compared with Commercial Foliar Feed in Tea Leaf Productivity in Kericho County , Kenya	Second year, <b>Kenyatta University</b>
16	<b>Janet Mwendu Nzamu</b>	MSc-Assessment of Pollen Viability and Haploid Induction Capacity of 12 Maize( <i>Zea mays</i> L.) Inducer Lines in Makueni County, Kenya.	Submitted Thesis, ( <b>CIMMYT-sponsored</b> ), <b>Kenyatta University</b>

17	<b>Onyango Kevin Omondi</b>	MSc- Selection and Inheritance for Tolerance to Ascochyta Blight in Chickpea ( <i>Cicer Arietinum</i> L.) in Residual Moisture in Kirinyaga County, Kenya	First year, <b>Kenyatta University</b>
18	<b>Justus Otieno Ojwang</b>	MSc- Characterization of Pumpkin using Morphological and SSR Markers in Kasipul Division, Homabay County, Kenya.	First year, <b>Kenyatta University</b>

### 11. Patents (if any)

S/No	
1	Partner in official release of Sunflower hybrid- <b>Kenya Almasi</b> in 2008.
2	Partner in release of sunflower variety- <b>KAJ 001</b> in 2010.
3	Partner in release of sunflower variety- <b>KAJ 037</b> in 2010.

### 12. Administrative positions held to date

- (1) **Chairman, Agricultural Science and Technology**-10<sup>th</sup> August, 2017-**To date**.
- (2) **Member School Board of Postgraduate Studies**, School of Agriculture and Enterprise Development (SAED)-26<sup>th</sup> October, 2015-**2017**
- (3) **Departmental Post Graduate Co-ordinator**-8<sup>th</sup> November, 2015-**2017**
- (4) **Departmental Digital and E-learning Co-ordinator**-1<sup>st</sup> October, **2015** to February, 2016
- (4) **Departmental Examination Coordinator**, Agricultural Science and Technology (AST)-30<sup>th</sup> June, 2011 to 30<sup>th</sup> October 2013.
- (5) **Chairman**, Plant Breeders' Association of Kenya (**PBAK**), 2009-**2017**.
- (6) **Member of the Project Steering Committee (PSC)**-JICA supported Science and Technology Research Partnership for Sustainable Development (SATREPS)-Rice project-1<sup>st</sup> July 2013-**To date**.