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 Egerton University,
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 Kenya
 Associate Professor
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EDUCATION

2001	Kansas State University USA. PhD (Wheat Breeding and Genetics).	Kansas State University
1992	University of Alberta. Canada. MSc. (Plant Breeding).	University of Alberta
1985	University of Nairobi. Kenya. BSc. (Agriculture).	Nairobi University
1980	Egerton College, Kenya. Diploma (Agric. Education).	Egerton College

FIELD OF SPECIALIZATION

Associate Professor in Cereal Breeding and Genetics

WORK EXPERIENCE

2017 to date	Associate Professor at Egerton University in the Department of crops, horticulture and Soil Science
2009 - 2017	Senior Lecturer at Egerton University in the Department of crops, horticulture and Soil Science
2005- 2009	Lecture at Moi University, in Faculty of Agriculture and Biotechnology, in the department of Biotechnology.
2003- 2005	Wheat Breeder and Geneticist at KARI now KALRO
2001 –2003.	Post Doctorial at Kansas State University. Involved in developing wheat germplasm with resistance to different leaf rust (<i>Puccinia tauchii</i>) races <i>Lr21</i> , <i>Lr50</i> , <i>Lr41</i> , <i>Lr43</i> , BYDV, Wheat Streak mosaic virus (WMSV) and with high protein content using Molecular markers assisted Selection (MAS). During this tenure, I was involved in developing Wheat resistant to Hessian fly gene <i>H6</i> .
1997-2001	Kansas State University, Graduate Research Assistant. Participated in

	laboratory, field, laboratory and greenhouse wheat breeding activities.
1992-1996	Kenya Agricultural Research Institute In charge of Cereal Breeding Department conducting all breeding aspects on bread wheat (<i>Triticum aestivum</i>), durum wheat (<i>Triticum durum</i>), Barley (<i>Hordeum vulgare</i>), Oats, and triticale. While working at KARI, I was also a part-time lecturer in Egerton University, Department of Agronomy. At this institution, I was teaching undergraduate Theory and practicals in Plant Breeding and Genetics.
1989-1992.	University of Alberta as MSc. Graduate Student. At this university, I had the opportunity to conduct practicals in grain science and plant breeding.
1988-1989.	Research Officer at Kenya Agricultural Research Institute and participated in the breeding of Bread wheat, durum wheat and triticale varieties. Some of the varieties that were released and are widely grown include <i>Kwale</i> , <i>Mbuni K.Chiriku</i>
1986-1987	Participated in short course in wheat improvement at CIMMYT Mexico
1985-1986	Worked as a wheat breeder at Kenya Agricultural Research Institute

Current and Past Research

Breeding and Genetics	<ol style="list-style-type: none"> 1. Development of Wheat and Barley germplasm Resistant to Stem rust 2. Development of Linkage maps for Cassava related to Cassava Brown Streak Mosaic Disease 3. Use of Marker Assisted Selection (MAS) in plant breeding and genetics to develop resistant varieties to stem rust resistance in wheat and Barley. 4. Developing wheat and barley cultivars suitable for a wide range of Agro-ecological areas. 5. Developing snap bean varieties that are widely adapted to Kenyan environments 6. Genetic analysis of stem rust resistance in Barley, Spring wheat and Winter wheat varieties. 7. Developing barley varieties for a wide range of Agro Ecological zones 8. Screening Kenyan Wheat varieties for leaf rust in Kenya. 9. Developing sweet sorghum hybrids for industrial alcohol 10. Developing Sorghum for composite Bread/confectionaries 11. Determining optimum harvesting stage for sweet sorghum in Kenya.
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	12. Identification of widely adapted Triticale lines for Kenyan Environments
	13. Development of Graduate Network Platform for Management and Enhancement of completion rate for Postgraduate students.

Projects Handled

	(1) Rockefeller Foundation on Mapping of Sorghum midge resistance. (2006) At University of Eldoret.
	(2) Development of Graduate Network platform for supervision and mentoring Agricultural students in African Universities. This project was funded by European Union.(2013)
	(3) Development of Graduate Network platform for supervision and mentoring Agricultural students in African Universities. This project was funded by European Union.(2013)
	(4) KAPPAP Development of Sorghum varieties for baking and Industrial alcohol.
	(5) Development of Sweet Hybrid Sorghum and Determining Harvesting stage –NRF Postgraduate.

OTHER RESPONSIBILITIES

2010-2015	Chair, Board of Post Graduate, Faculty of Agriculture Egerton University
2010-2015	Member of Departmental Post graduate Committee
2009-2010	Member of Departmental Committee of Quality Assurance

Graduated students PhD

2018	1.) Mosses Oyier Development of Sweet Hybrid Sorghum and Determination of optimum Harvesting stage For industrial Use in Kenya
2015	2.) Evans O. Ouma (PhD). The Genetic analysis and Selection for Phosphorus Efficiency in Kenyan Maize.
2011	3.) J.O. Okora (PhD) Use of Simple Sequence Repeat (SSR) Markers to Map Quantitative Trait Loci (Qtl) linked to Midge Resistance in Sorghum (<i>Sorghum bicolor</i> (L.) Moench).
2011	4.) J. Jamoza (PhD) Inheritance of important traits in sugarcane.

Graduated Students MSc

2019	(1) Isaiah Okuku Aleri Evaluation of Triticale lines for Biotic stresses in Kenya
2018	(2) Mercy A. Odemba Genetic gain in APR in CIMMYT Wheat from different nurseries
2018	(3) Anncetta Gakii Nyamu Characterization of Leaf rust races of Wheat in Kenya
2018	(4) Lucy Mariera Development and Evaluation of Nutritional and Sensory of Chickpea Enriched Sorghum Wheat Composite Bread
2015	(5) Stephen Weru. Adaptability and stability of Cowpea in Kenya Coastal Region
2015	(6) Zannah Chepkoech Kosgei Identification of Novel Sources of Resistance to Ug99 Predominant variants of Stem Rust in Kenya and Introduced Wheat Germplasm and their inheritance.
2015	(7) James Njoroge Evaluation of Soybean (<i>Glycine max</i> L. Merr) genotypes for Agronomic and Quality traits in Kenya
2013	(8) P. Kimani. Genetic diversity of sorghum in Kenya
2013	(9) Mercy Wamalwa. Genetics of Stem Rust Resistance in Barley
2012	(10) Bernedetha Kimata Developing linkage maps in Cassava in relation to CBV Disease
2011	(11) T. Okiyo Aluminium and Drought tolerant in Sorghum (MSc.)
2010	(12) M. Ogotu. Effects of Nitrogen and of Maize-Bean intercrop on bean grain quality. (MSc.)
2009	(13) E. Sawe. Effects of Kernel position, Maturity and storage of Kernel on NERICA rice (MSc.).
2009	(14) R. Karimi Inheritance of <i>Fusarium</i> wilt in Pegeonpea
2008	(15) E. Arunga. Genetic inheritance of some traits in Snap Bean (MSc.).
2008	(16) J. Ringo. Aluminium tolerant in Tanzanian Sorghum Germplasm. (MSc.)

Current Student Being Supervised and Status

Status of Thesis	Name and Title
Submitted (PhD)	(17) Mercy Wamalwa Determination of Predominant stripe rust races and mapping of resistant gene in spring wheat.

Professional Membership and Community Engagement

	Member of American Crop Science Society
	Member of Editorial Board East African Agriculture and Forestry Research Organization Journal
	Reviewer with Crop Science Journal of America 2005
	Reviewer with Springer-Euphytica 2010, 2011, 2015, 2016
	Community:
	Secretary for Egerton Sunrise Estate Phase I (2014 to 2017)

Publications

Year	Authors and Title of Publication
1992	1.) Owuoche, J.O. 1992. Copper Requirement of Wheat (<i>Triticum aestivum</i> L.) Msc. Thesis
1994	2.) Owuoche, J.O. , Briggs, K.G., Taylor, G.J. and Penney, D.C. 1994. Response of Eight Canadian Spring Wheat (<i>Triticum astivum</i> L.) cultivars to copper I. Pollen viability, Grain Yield and yield components. Can. J. Plant Sci. 74:25- 30.
1994	3.) M. Kinyua, R. Wanyera, J.M. Pinto and J.O. Owuoche . 1994. Yellow Rust Resistance in Wheat in Kenya: A Challenge. African Crop Science 1:277-279.
1994	4.) Owuoche, J.O. J.M. Pinto and S. Wekesa. 1994. Resistance of Wheat Cultivars For The Three Rust Species in Kenya. In Breeding for Disease Resistance With Emphasis on Durability Editor Daniel L. Danial , Proceedings of A Regional Workshop for Eastern, Central and Southern Africa, Njoro Kenya. Oct 2-6. p133- 138.
1995	5.) Owuoche, J.O. , Briggs, K.G., Taylor, G.J. and Penney, D.C. 1995. Response of Eight Canadian Spring Wheat (<i>Triticum astivum</i> L.) cultivars to copper II. Copper content in the leaves and grains. Can. J. Plant Sci. 75:405-411.
1996	6.) Owuoche, J.O. , Briggs, K.G., and Taylor, G.J. 1996. The Efficiency of copper use by 5A/5RL wheat-rye translocated lines of wheat (<i>Triticum aestivum</i> L.) cultivars. Plant and Soil. 180:113-120.
1997	7.) Gathaara, V.N. and Owuoche, J.O. 1997. Triticale (<i>X Triticosecale cereale</i>) Research and Production in Kenya. In Proc of Satellite Meeting of International Triticale Association in Triticale quality. All Africa Crop Science Congress. Pretoria South Africa. Jan 1997 pp 41-50.
2001	8.) Owuoche, J.O. 2001. Heterotic Effects of Wheat-rye Chromosomal Translocation on Yield and Yield components of Hybrid Winter Wheat (<i>Triticum aestivum</i> L.). PhD Thesis.
2002	9.) Xuming Liu, J. H. Hatchett, J.O. Owuoche , Gina Brown-Guedira and Ming-Shun Chen. 2002. Identification and mapping of a novel Hessian fly Resistance gene. CSSA. Indianapolis, Indiana USA.

2003	10.) Owuoche, J.O. , R.G. Sears, G.L. Brown-Guedira, B.S. Gill and A.K. Fritz. 2003. Heterotic effects of wheat-rye chromosomal translocations on agronomic traits of hybrid wheat (<i>Triticum aestivum</i> L.) under an adequate moisture regime. <i>Euphytica</i> 132:67-77.
2004	11.) Kimani E.N., J. Ndungu, M.G. Kinyua, and J. O. Owuoche . 2004. Evaluation of Kenyan Wheat (<i>Triticum aestivum</i> L.) lines for bread making quality. 12 th Regional Wheat Workshop For East, Central and Southern Africa. Nakuru . Kenya. 22-26 th
2005	12.) Brown-Guidera, J.H. Hatchet, X.M. Liu, A.K. Fritz, J.O. Owuoche , B.S. Gill, R.G. Sears, T.S. Cox, and M.S. Chen. 2005 Registration of KS99WGRC42 Hessian Fly Resistant Hard Red Winter Wheat Germplasm. <i>Crop Science</i> 45:804-805.
2005	13.) Liu X.M, Brown-Guedira, G.L., Hatchet J.H., Owuoche J.O. and Chen M.S. 2005. Genetic Characterization and Molecular Mapping of Hessian Fly Resistance Gene Transferred From <i>T. Turgidum</i> spp. <i>diccocom</i> to Common Wheat. <i>Theor. App Genet.</i> 111:1308-1315.
2007	14.) J.N. Oggema, M.G Kinyua, J.P. Ouma and J.O. Owuoche . 2007. Agronomic performance of locally adapted sweet Potato (<i>Ipomea batatas</i>) Cultivars Derived From Tissue Culture Regenerated Plants. <i>J. of Biotech. Africa.</i> 6:1418-1425.
2009	15.) Gudu, S.O., P.O. Kisinyo, E.T. Makatiani, D. W Odee, J.F.O Esegu, S.A.O. Shamchama, C.O. Othieno, J.R. Okalebo, J.R. Osiyo and J. O. Owuoche . 2009. Screening of Sesbania for tolerance to Aluminium Toxicity and symbiotic Effectiveness with Acid Tolerant Rhizobia strains in Acid soils in Western Kenya. <i>Experimental. Agriculture.</i> 45:1-11.
2009	16.) V.W. Wasike, H.N. Mburu, B. Vanlauwe, L.A. Wasilwa, N. Sanginga, N.W. Mungai, L.M. Mumera, D. Lesueur, F.N. Wachira, J.O. Owuoche . 2009. Environmental Influence on the Genetic Diversity of Indigineous <i>Bradyrhizobia</i> Nodulating Promiscuous Soyabean in Kenya. <i>E. Afri. Agric. For. For. J.</i> 75: 109-119.
2010	17.) Okiyo, T., S. Gudu, O. Kiplagat and J. O. Owuoche 2010. Heterosis in Sorghum and Potential for Hybrid Sorghum Production in Kenya. Proceedings of KARI conference 2010 held in Nairobi Kenya.
2010	18.) E.S. Arunga, H.A. Van Rheenen, J.O. Owuoche 2010. Diallel Analysis of Snap Bean (<i>Phaseolus vulgaris</i> L.) varieties for Important traits.9 <i>African Journal of Agricultural Research</i> 5: 1951-1957.
2010	19.) Karimi, R. , Owuoche, J.O. and Silim, S.N. 2010. Inheritance of fusarium wilt resistance in pigeonpea [<i>Cajanus cajan</i> (L.) Millspaugh]. <i>Indian J. Genetics and Plant Breeding</i> 70 (3) 271-276.
2010	20.) J.H. Ringo, E.E Mneney, A.O. Onkware, B.A. Were, E.J. Too, J.O. Owuoche and S.O. Gudu. 2010. Tolerance to Alumimium Toxicity in Tanzanian Sorghum genotypes.

	African Crop Science Journal, Vol. 18: 155 – 164.
2010	21.) T. Okiyo, S. Gudu, O. Kiplagat and J. Owuoch. 2010. Combining Drought And Aluminium Toxicity Tolerance To Improve Sorghum Productivity. African Crop Science Journal, Vol. 18, No. 4, pp. 147 – 154.
2012	22.) Rael Karimi, James Otieno Owuoch, Said Nandy Silim. 2012. Importance and management of <i>fusarium</i> wilt (<i>Fusarium udum</i> Butler) of pigeonpea. International Journal of Agronomy and Agricultural research Vol. 2, (1) 1-14.
2012	23.) Ogutu, M.O., Owuoch, J.O, Muasya R. and Ouma,G. 2012. Effects of inter-specific interaction of nitrogen fertilizer and bean- maize cropping systems on quality of bean seed in Western Kenya. Agric. Biol. J. N. Am., 3(4): 154-168.
2012	24.) E. E. Arunga, J. O. Ochuodho, M. G. Kinyua and J. O. Owuoch. 2012. Characterization of <i>Uromyces appendiculatus</i> isolates collected from snap bean growing areas in Kenya. African Journal of Agricultural Research Vol. 7(42), pp. 5685-5691.
2012	25.) Ringo J.H., Mneney E. E., Onkware A.O., Owuoch J. O., Were B.A., Too E.J. and Gudu S.O. 2014. Diversity of Sorghum (<i>Sorghum bicolor</i> L. Moench) Germplasm from Tanzania.. Journal of Biology, Agriculture and Healthcare. 4:(24) 36-44.
2014	26.) Kiprotich, F. K., Cheruiyot, E.K., Mwendia, C.M., Wachira, F.N. and Owuoch, J.O. Biochemical quality indices of Sorghum genotypes from East Africa for Malting and Brewing. African Journal of Biotechnology 13(2): 313-321.
2014	27.) P.K. Kimani, F. Wachira, Erick Kimutai Cheruiyot, J. Owuoch, E. Kimani. 2014. Genetic diversity of African sorghum (<i>Sorghum bicolor</i> L. Moench) accessions based on microsatellite markers. Australian Journal of Crop Science. 8(2):171-177.
2014	28.) Japheth Embeywa Jamoza, James Owuoch, Oliver Kiplagat and Wilson Opile. 2014. Broad-sense heritability estimation and correlation among sugarcane (<i>Saccharum</i> spp. hybrids) yield and some agronomic traits in western Kenya IJAPR. Vol.2 (1), 016-025.
2014	29) Muigai Paul Kimani, Erick Kimutai Cheruiyot, James Otieno Owuoch, Francis Nyamu Wachira, Esther Kimani. 2014. Genetic Diversity of Farmers 'Preferred Sorghum Accessions and Improved Lines from ICRISAT Reveal a Disconnect Between Innovation and Technology Transfer. J. Crop Sci. Biotech. 2014 (June) 17 (2) : 97~102.
2015	30) J.N. Njoroge, J.O.Owuoch and M.E. Oyoo. 2015. Evaluation of Soybean (<i>Glycine max</i> L. Merr.) genotypes for Agronomic and Quality traits in Kenya. African Journal of Agricultural Research. 10(12) 1474-1479.
2015	31) E.E. Arunga, M. Kinyua, J.O. Ochuodho, J.O. Owuoch and E. Chepkoech. 2015.

	Genetic diversity of Determinate French Beans grown in Kenya based on Morpho-Agronomic and Simple sequence repeat variation. Journal of Plant Breeding and Crop Science. 7(8) 240-250.
2015	32) A. Oluwafemi, J.V Bredson, C.N. Egesi. J.O. Owuoch e et al., 2015. International Cassava Genetic Map Consortium. High Resolution Linkage Map and Chromosome Scale Genome Assembly for Cassava (<i>Manihot esculenta Crantz</i>) from 10 populations. Genes/Genomes/Genetics. 5: 133-144.
2015	33) Odongo, F.O., Oyoo, M.E., Wasike, V. , Owuoche, J.O., Karanja, L., and Korir, P. 2015. Genetic Diversity of Bambara Groundnut (<i>Vigna subterranean L. Verdc</i>) Landraces in Kenya Using Microsatellite markers. African Journal of Biotechnology 14(4): 283-291.
2015	34) M. E. Oyoo, M. Najya, S.M. Githiri, P.O. Okwiri, F.K. Minu, E. Masha and J. O. Owuoch e. 2015. <i>In-situ</i> morphological Characterization of Coconut in the Coastal Lowlands of Kenya. African Journal of Plant Science 9(2) 65-74.
2015	35) Zannah Kosgey, James O. Owuoch e, Michael A. Okiror and Peter N. Njau. 2015. Inheritance of stem rust (<i>Puccinia graminis Pers F. sp. Tritici</i> Erick and E. Hen). International Journal of Agronomy and Agricultural Research. 7(4) :1-13.
2016	36) Mercy N. Wamalwa, Ruth Wanyera, Peter N. Njau, Michael Okiror and James O. Owuoch e. 2016. Inheritance of resistance to Ug99 stem rust pathogen in Selected Barley lines. South African Journal of Plant and Soil. 1-6.
2016	37) Ruth Wanyera ¹ , Mercy Wamalwa ² , Mercy Odemba ² , Hannington Wanga Philister Kinyanjui ¹ , Victoria Onyango, James Owuoch e. 2016. Management of wheat rusts at different growth stages using Nativo 300 SC (trifloxystrobin 100g/L+tebuconazole 200g/L) fungicide. Australian Journal of Crop Science. 10(9):1273-1280.
2016	38) Justice Kipkorir Rono, Erick Kimutai Cheruiyot, Jacktone Odongo Othira, Virginia Wanjiku Njuguna, Joseph Kinyoro Macharia. James Owuoch e, Moses Oyier, and AlexMachio Kange . 2016. Adaptability and Stability Study of Selected Sweet Sorghum Genotypes for Ethanol Production under Different Environments Using AMMI Analysis and GGE Biplots . The Scientific World Journal http://dx.doi.org/10.1155/2016/4060857 2016: 1-14.
2017	39) Jayne J. Binott, James O. Owuoch e and Dorothea Bartels. 2017. Physiological and Molecular Characterization of Kenyan barley (<i>Hordeum vulgare L.</i>) Seedlings for Salinity and Drought Tolerance. Euphytica (2017)213:139. DOI 10.1007/s10681-017-1924-2.
2017	40) Mariera Lucy, Owuoch e James O., Cheserek Maureen. 2017 Development of

	Sorghum Wheat Composite Bread and Evaluation of Nutritional Physical and Sensory Acceptability. African Journal of Food Science and Technology (ISSN:2141-5455) Vol 8(7)pp 113-119 September 2017 DOI: http://dx.doi.org/10.14303/ajfst.2017.118 . http://www.interestjournals.org/AFST/ .
2017 December	41) Anncetta Gakii Nyamu, James O. Owuoche, Pascal O. Okwiri and Ruth Wanyera. 2017. Evaluation of Kenyan wheat (<i>Triticum aestivum</i> L.) genotypes for leaf rust (<i>Puccinia triticina</i> Eriks.) at adult plant stage. International Journal of Agronomy and Agricultural Research ISSN: 2223-7054 (Print) 2225-3610 (Online) http://www.innspub.net Vol. 11, (6,) 66-78.
2019	42) Aleri O. I. 2019. Evaluation of triticale (<i>X. Triticosecale</i> Wittmack) genotypes for adult plant resistance to stem rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>). African Journal of Plant Science. DOI:10.5897/AJPS2018.1733.
2019	43) Embeywa Jamoza, James Owuoche and Oliver Kiplagat. 2019. Estimates of genetic parameters and genotype by environment interactions for sugar yield and its components in sugarcane genotypes in Western Kenya. Journal of Plant Breeding and Crop Science. 11(9), 206-212, DOI: 10.5897/JPBCS2019.0813.
2019	Multi-Pathotype Testing of Selected Kenyan Wheat Germplasm and Watkin Landraces for Resistance to Wheat Stripe Rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) Races Mercy N. Wamalwa, James Owuoche, Joshua Ogendo and Ruth Wanyera.

CONFERENCES AND WORKSHOPS

<p>(1) Kiprotich, F.K., Cheruyot, E.K., Mwendia, C.M, Wachira, F.N and Owuoche, J. 2015. Kenya Agricultural Productivity and Agribusiness Project (KAPAP) – Biochemical Indices of Sorghum genotypes East Africa for Brewing 10th to 12th June 2015. KALRO Headquarters Kaptagat Road, Loresho Nairobi.</p> <p>(2) Bebe, B.O. Owuoche, J.O. 2016. Establishment of current and Emerging trends in Agricultural and Labour Markets in Kenya. At century City in Cape Town South Africa October 2016. Subject Category: Labour and employment Catalog: RUFORUM Conferences and Workshops http://www.repository.ruforum.org/documents/establishment-current-and-emerging-trends-agricultural-labour-labour-markets-kenya/</p> <p>(3) S.M. Weru., J.O. Owuoche, O. Kiplagat. 2016 Adapability of Cowpea (<i>Vigna unguiculata</i> L.) lines in Kenya Coastal Region 3RD INTERNATIONAL RESEARCH CONFERENCE Chuka University 26-28th October 2016.</p> <p>(4) Arunga E.E., Ochuodho, J., Woyengo, V.W. and Owuoche, J. 2018. Incidence and Prevalence of Groundnut Diseases in Western Kenya. Paper presented at the 3rd Kibabii University</p>

International Conference, 12th – 14th June.

- (5) Ochieng J., Oyoo, M., R. Gesimba, Korir , P., Ojwang, P.I, **Owuoche J.** and Miheso M. 2018 *In-situ* morphological characterization of blackberry (*Rubus* subgenus *Rubus*) in Rift Valley region, Kenya. 12 TH EGERTON UNIVERSITY INTERNATIONAL CONFERENCE 27th-29th March 2018.
- (6) Mariera L., Cheserek M., & **Owuoche J. O.**2018. Development of chickpea enriched sorghum-wheat composite bread and evaluation of physical, nutritional, shelf- life and sensory acceptability. 12 TH EGERTON UNIVERSITY INTERNATIONAL CONFERENCE. 27th-29th March 2018

PUBLICATION OF BOOK

- (1) **Wheat Improvement Management and Utilization:** Ruth Wanyera and James Owuoche. ISBN 978-953-51-3152-6 Print ISBN 978-953-51-315-9 392 pages, Publisher: In Tech, Chapters Published May 24 2017 Under CCBY 3.0 licence DOI : 10.5772/63694 Jarneza Trdine 9, 51000 Rijeka Croatia.

DEVELOPMENT OF TECHNOLOGY

- (1) Eric Cheruyot and James Owuoche. Release of Sweet Sorghum EUSS10 and EUSS11 with stalk rich in fermentable sugars. Good for Ethanol production and Animal Feed. KENYA GAZETTE Vol CXVIII No 55 20th May 2016 p 2698.
- (2) Development of graduate Network Platform For Agricultural Labour Market for African Universities. Egerton University, JKUAT, Makerere, Futuristic and ABCIC .
<http://www.onnetgraduate.net/iogmss>
- (3) Development of Sorghum-Wheat Bread Composite. L. Mariera, J.O. Owuoche and E. Cheruyot. 2017.

REFEREES

- 1.) Dr. Rolie G. Sears
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- 2.) Singh SukhWinder, CIMMYT Mexico,
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- 3.) Dr. Charles Agwanda

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