

CURRICULUM VITAE

BIODATA:	<p>Name: Dr. John Ndung'u Kinyuru</p> <p>Date of Birth: 8th May 1981</p> <p>Address: P.O. Box 62000 - 00200, Nairobi, Kenya.</p> <p>Telephone: Mobile: +254 723 667432; Office: +254-67-5870001-5 Ext: 1973 or 1955</p> <p>E-mail: jkinyuru@agr.jkuat.ac.ke / jkinyuru@gmail.com</p> <p>Languages: English, Kiswahili</p>
CURRENT POSITION:	Lecturer; Gross Salary: Kshs 213,969.00
EDUCATION:	
Academic qualifications	<ul style="list-style-type: none"> • Postgraduate Diploma in Educational Technology. University of Cape Town, South Africa. 2015 – 2016 • PhD in Food Science and Nutrition. Jomo Kenyatta University of Agriculture and Technology, Kenya. 2009 – 2012 Title of Thesis: <i>Development and evaluation of complementary foods based on traditional foodstuffs in Western Kenya</i> • M.Sc. In Food Science and Technology. Jomo Kenyatta University of Agriculture and Technology, Kenya. 2007 – 2009 Title of Thesis: <i>Nutrient composition and utilization of edible termites (Macrotermes Subhyalinus) and grasshoppers (Ruspolia differens) from Lake Victoria region of Kenya</i> • BSc. in Food Science and Postharvest Technology, First Class honours. Jomo Kenyatta University of Agriculture and Technology, Kenya. 2001 – 2005 • Kenya Certificate of Secondary Education Examination, Njiiri School, Kenya. 1996-1999 • Kenya Certificate of Primary Education Examination, Kiangari Primary, School, Kenya. 1987- 1995
Professional Courses Studied	<p>Certified courses attended</p> <ul style="list-style-type: none"> • October 2016: FAO/INFOODS Training on Food Composition, especially relevant for Universities, Marrakesh, Morocco. • July 2016: International Training Workshop for Developing Countries on Big Data for Science, Beijing, China • May 2016: Science and the Christian Faith: The Quest for Synergic Co-existence, The Faraday Institute for Science and Religion and Christian & Scientific Association of Kenya, Naivasha, Kenya. • August 2015: Human Research Trial Ethics at Colorado State University, USA. • 30th September – 11th November 2013: Statistics in Applied Climatology (e-SIAC) by University of Reading, UK. • 13th – 19th May 2013: Pedagogy – Teaching for Sustainable Development in Higher Education by Swedish University of Agricultural Sciences (SLU) and African Network for Agriculture, Agroforestry and Natural Resources Education (ANAFE) held in Nairobi, Kenya • March - April 2013: Programming for Infant and Young Child Feeding by Cornell Nutrition Works, Cornell University, USA • 22nd August – 2nd September 2011: Multi-variable statistics course using STATA 11 by University of Nairobi, Nairobi, Kenya held in Nairobi, Kenya. • August – September 2010: Community Development by Global Health University, USA

	<ul style="list-style-type: none"> January – March 2009: Advanced Health Research Ethics by African Malaria Network Trust (AMANET) 19th – 23rd May 2008: Agro-Biodiversity Awareness, Conservation and sustainable use for Enhanced Food Security by Egerton University and FAO-Netherlands Partnership Project, held at Egerton University, Kenya held in Njoro, Kenya. ISO / HACCP Implementation and auditing
EMPLOYMENT RECORD:	
September 2013 to date	<p>Lecturer, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT) , Kenya</p> <ul style="list-style-type: none"> Teaching graduate and undergraduate courses Supervision of post-graduate and under-students research projects Curriculum development and review of existing curriculums Writing grants, conducting research and innovation Dissemination of research findings to the various stakeholders Supervision of post graduate and undergraduate students Examination of postgraduate thesis
March 2009 to September 2013	<p>Tutorial Fellow, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya</p> <ul style="list-style-type: none"> Training and assessment of students Resource person during the training of foreign students. Undertaking research and presentation of research papers Product design and development
March 2006 to March 2009	<p>Teaching Assistant, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya</p> <ul style="list-style-type: none"> Assisting in training and assessment of students. Resource person during the training of foreign students. Assisting in research and presentation of research papers.
August 2005 to February 2006	<p>Production Supervisor - Brookside Dairy LTD , Kenya</p> <ul style="list-style-type: none"> Planning procurement and reception of milk Planning daily production Data collection and analysis and report preparation for my shifts Ensuring quality control standards are maintained throughout the milk processing operations Supervision of production division staff Ensuring HACCP, ISO 9001:2000 and ISO 22000 are adhered to and maintained New products development Development of new products in line with the company strategic plan. Improvement of existing products in line with the changing consumer need thus enhancing their competitiveness. Member of the HACCP implementation team specifically responsible for the documentation of the HACCP system. Participating in the internal and supplier quality audits. Member of the product specifications development committee responsible for the setting and reviewing of specifications for ingredients and finished products. <p>Production Intern – Farmers Choice LTD, Kenya</p>

January 2004 to April 2004	<ul style="list-style-type: none"> • Supervision of animal procurement to ensure optimum quality • Ensuring good manufacturing practices to enhance quality of carcass • Planning of processing of meat and meat products • Data collection and analysis and report preparation for shifts • Ensuring food safety and hygiene practices are maintained
UNIVERSITY APPOINTMENTS AND RESPONSIBILITIES	
<ol style="list-style-type: none"> 1. January 2018: Ag Chairman of Department, Food Science and Technology 2. January 2018: Member of organizing committee for the visualization symposium scheduled for July 2018 at JKUAT, Kenya. 3. September 2017: Class Advisor for 3rd Year BSc. Food Science and Technology students 4. May 2017: Member, Technical committee, JKUAT Scientific, Technological and Industrialization conference 5. March 2017: Member, Innovation Open Data and Visualization (iODaV) sub-taskforce of the Africa-ai-Japan project. 6. November 2016: Chairperson of a plenary session, 11th JKUAT Annual Scientific Conference held on 10th and 11th November 2016 7. September 2016: Examinations Coordinator, Department of Food Science and Technology 8. July 2016: Member of the Board, Food Technology Center, JKUAT 9. May 2015: Class Advisor for 1st Year BSc. Food Service and Hospitality Management students 10. October 2015: Ag Chairman of Department, Food Science and Technology 11. October 2015: Rapporteur, 10th JKUAT Annual Scientific Conference held on 12th and 13th November 2014 12. November 2014: Rapporteur, 9th JKUAT Annual Scientific Conference held on 29th and 29th October 2014 	
POST GRADUATE STUDENTS SUPERVISION	
<p>Completed:</p> <ol style="list-style-type: none"> 1. Kennedy Pambo (2018). PhD. in Applied Agricultural Economics. Assessment of consumer attitudes and motivation to consume foods from edible insects in Kenya. Jomo Kenyatta University of Agriculture and Technology 2. Ochieng' Beryl Adhiambo (2018). MSc. in Food Science and Technology. Effect of low tannin sorghum based diets on broiler meat and layer egg quality. Jomo Kenyatta University of Agriculture and Technology 3. Edwin Kamau (2018). MSc. in Food Science and Technology. Stability of the nutritional, chemical and microbial quality of semi processed edible crickets and black soldier flies during storage. Jomo Kenyatta University of Agriculture and Technology 4. Mercy Mmari (2018). MSc. in Food Science and Technology. Nutrient composition and consumer acceptability of soybean-sweet potato based complementary food fortified with <i>senene</i> - longhorn grasshopper (<i>Ruspolia differens</i>). Jomo Kenyatta University of Agriculture and Technology 5. Mesfin Wogayehu (2017). PhD. in Food Science and Nutrition. Development and evaluation of complementary foods from a composition of <i>teff</i>, soybean and orange-fleshed sweet potato. Jomo Kenyatta University of Agriculture and Technology 6. Alex Ndiritu (2017). Physical, chemical and functional characterization of edible cricket (<i>Acheta domesticus</i>) protein concentrate. MSc in Food Science and Nutrition, Jomo Kenyatta University of Agriculture and Technology 7. Eric Muraguri (2017). Chemical composition of selected seaweeds and their utilization in chicken sausages. MSc. in Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology 8. Angela Aluko (2017). Probiotic viability and storage stability of yoghurt enriched with baobab pulp (<i>Adansonia digitata</i>). MSc. in Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology 9. Joyce Chepng'eno (2015). Evaluating the performance of low cost hydro-cooling system and effect of sanitizer application in maintaining postharvest quality of selected vegetables. MSc. in Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology 	

On-going:

1. Joseph Muchiri Waweru (2018 – present). PhD in Animal Sciences. Jomo Kenyatta University of Agriculture and Technology
2. Moses Gaiti (2017 – present). MSc. in Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology
3. Tobias ALubi (2017 - present). MSc. Horticulture. Jomo Kenyatta University of Agriculture and Technology
4. Joyce Nduta Muniu (2016- present). MSc in Food Science and Nutrition, Jomo Kenyatta University of Agriculture and Technology
5. Johnson Weru (2017- present). PhD in Food Science and Nutrition. Jomo Kenyatta University of Agriculture and Technology
6. Carolyn Kipkoech (2016 – present). PhD in Food Science and Nutrition. Jomo Kenyatta University of Agriculture and Technology
7. Dorothy Nyangena (2016 - Present). MSc. in Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology
8. Duncan Mugeru (2013 – Present) MSc. in Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology

THESIS EXAMINATION

1. Vincent Nsabuwa (2018). MSc Agricultural and Applied Economics. Social-economic determinants of food security among smallholder mixed farmers in Burera district, Rwanda.
2. Tom BBosa (2018). MSc. Applied Human Nutrition. Processing and characterization of insect meal for use as an alternative source for food and feed. Makerere University, Uganda.
3. Mohaturukundo Norbert (2018). MSc. Agricultural and Applied Economics. Contribution of self-help groups in enhancing the small-holder maize farmers' income in Huye district, Rwanda. Jomo Kenyatta University of Agriculture and Technology, Kenya
4. Eyob Haile Woldegeorgis (2017). PhD in Animal Sciences. Determining nutritive value of crop residues and agro-industrial by-products and improving their utilization in ruminant nutrition in Eritrea. Jomo Kenyatta University of Agriculture and Technology, Kenya
5. Paul Nyota Karanja (2017). PhD. Food Science and Technology Physicochemical properties of Bamboo shoots of selected species growing in Kenya and utilization as human food., Jomo Kenyatta University of Agriculture and Technology, Kenya
6. Kukom Edoh Ognakossan (2017). MSc. Food Science and Technology Assessment of rodents' postharvest losses in on-farm maize storage in Kenya., Jomo Kenyatta University of Agriculture and Technology, Kenya
7. Yvonne Ukamaka Ajamma (2016). PhD in Zoology. Ecology and population genetics of arbovirus mosquito vectors in Homabay and Baringo Counties, Kenya. Jomo Kenyatta University of Agriculture and Technology, Kenya
8. Locham Albert Gamoe (2016). PhD in Zoology. Spatial variation in life history traits of the marbled parrot fish, *Leptoscarus vaigiensis* (Quoy and Gaimard, 1824), in Coastal Kenya. Jomo Kenyatta University of Agriculture and Technology, Kenya
9. Siha Mdehu (2016). MSc Research Methods. Salmonella in Commercial chicken feeds in Dar-Es-Salaam. Jomo Kenyatta University of Agriculture and Technology, Kenya
10. Nicanuru Christabel (2016). MSc. Food Science and Nutrition. Effect of sun drying and drying on nutrient content of orange fleshed sweet potato tubers and cowpeas leaves used in Maswa District, Tanzania. Jomo Kenyatta University of Agriculture and Technology, Kenya
11. Peter Kahenya (2015).). PhD. Food Science and Nutrition. Relationship between storage, processing and the nutritional quality of common bean (*Phaseolus vulgaris*, Jomo Kenyatta University of Agriculture and Technology, Kenya
12. Robert Fungo (2015). PhD. Applied Human Nutrition. Contribution of forest foods to nutrient intake and food security of forest dependent communities in Cameroon. Makerere University, Uganda.
13. Jamleck Micheni (2015). The effect of nutrition on the growth of the lumbar spinal canal. PhD. Public Health, Mount Kenya University.

14. Elizabeth Nakhungu Wafula (2015). MSc. Food Science and Nutrition. Impact of ripening and drying on the quality of Apple mango (*Mangifera Indica*) cubes and leathers., Jomo Kenyatta University of Agriculture and Technology, Kenya
15. Esther Njeri Muriuki (2014). MSc. Food Science and Nutrition. Nutritional diversity of leafy amaranth species grown in Kenya., Jomo Kenyatta University of Agriculture and Technology, Kenya
16. Teresiah Wanjiru Wandati (2013). MSc. Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology, Kenya

RESEARCH GRANTS:

2018 - 2021	<p>Principal Investigator – Enhancing food and nutrition security through promotion of edible insects value chain in Eastern Africa (Ento-Economy)</p> <ul style="list-style-type: none"> • Funded by LEAP-Agri • Aimed at This project aims to contribute to addressing malnutrition in general through developing sustainable crickets and grasshoppers value chains for improved food and nutrition security in Kenya and Uganda • Collaborating Institutions: Jomo Kenyatta University of Agriculture and Technology, Makerere University, Uganda, KU Leuven, Belgium, Rhine Waal University of Applied Sciences, Germany • Duration: 2018-2021 • Total funding: EURO 610,000
2017 to 2021	<p>Partner - Africa center of excellence on sustainable use of edible insects as food and feed (INSEFOODS).</p> <ul style="list-style-type: none"> • Funded by The World Bank ACE 11 • Aimed at establishing a center of excellence in edible insects' research, teaching and dissemination in Africa. . The center will have insect production and training facilities for Msc and PhD programmes. Will train 60 MSc and 20 PhD in sustainable use of edible insect. • Collaborating Institutions: Jomo Kenyatta University of Agriculture and Technology, Jaramogi Oginga Odinga University of Science and Technology; ICIPE, Makerere University, Uganda, University of Copenhagen, Denmark • Duration: 2017-2021 • Total funding: USD 5,000,000
2018 to 2020	<p>Co-Principal Investigator - Mass production and utilization of edible insects and cassava meal for feed security and improvement of livelihood for smallholder farmers in Kenya</p> <ul style="list-style-type: none"> • Funded by National Research Fund, Kenya • Aimed at evaluating the potential of use of non-conventional source of energy and protein nutrients usable in animal feeds industry through up-scaling and testing alternative strategies in mass farming of cricket and BSF (protein) and cassava (energy) for feed security and poverty eradication in Kenya. • Collaborating Institutions: Jomo Kenyatta University of Agriculture and Technology, Jaramogi Oginga Odinga University of Science and Technology; Kenyatta University, Kenya • Duration: 2018-2020 • Total funding: KSh 19M
2018 to 2020	<p>Co-Principal Investigator - Bridging the gap between science and cultural-religious practices through science communication</p> <ul style="list-style-type: none"> • Funded by National Research Fund, Kenya

	<ul style="list-style-type: none"> • Aimed at fostering dialogue between science, on one hand, and religion and culture on the other with a view to building their synergetic coexistence. • Collaborating Institutions: Jomo Kenyatta University of Agriculture and Technology, Mount Kenya University, Daystar University, Moi University • Duration: 2018-2020 • Total funding: KSh 12M
2016 – 2019	<p>Principal Investigator - Using the edible insect , grasshopper (<i>Ruspolia differens</i>) to enhance food security in East Africa</p> <ul style="list-style-type: none"> • Funded by VLIR-OUS, Belgium • Aimed at optimizing of rearing methods for long -horned grasshopper (<i>Ruspolia</i>) species with a view to implementing grasshopper farming technology in rural villages for food and nutrition security. • Collaborating Institutions: Jomo Kenyatta University of Agriculture and Technology, Kenya; KU Leuven, Belgium • Duration: 2016-2019 • Total funding: EUR 300,000
2015 - 2018	<p>Principal Investigator - Up-scaling of cricket farming and utilization as a source of protein in animal feedstock Funded by JKUAT-RPE, Kenya</p> <ul style="list-style-type: none"> • Aimed at investigating the potential for upsaciling of insects farming in Kenya with an aim to utilize them as a protein supplement. We are set up a center of excellence at JKUAT to act as a training ground and an avenue for innovation transfer to insect farmers and animal feed manufacturers. Developed curriculums for the farmer trainings. • Duration: 2015 - 2018 • Total funding: Kshs 4.5 M
2014 - 2018	<p>Principal Investigator - GREEINSECT Project: Insects for green economy</p> <ul style="list-style-type: none"> • Funded by DANIDA, Denmark • Aimed at exploring avenues for small-large scale farming of edible insect's robust enough to support the food and feed industry thereby conserve the forests and environment. • Collaborating Institutions: Jomo Kenyatta University of Agriculture and Technology, Kenya; University of Copenhagen, Denmark • Duration: 2014-2018 • Total funding: EUR 900,000

PUBLICATIONS:

Patents and Innovations	<ol style="list-style-type: none"> 1. John N. Kinyuru (2017). Probiotic chitin extract from cricket (<i>Grylloidea</i>). Patent No. KE/P/201702612 2. John N. Kinyuru (2017). JIF (Live insect rearing, breeding, extract and Foodstuffs). Registration No. 96237.
Books	<ol style="list-style-type: none"> 1. John N. Kinyuru (2017). <i>Cricket farming for Human Consumption</i>. (J. Kinyuru, Ed.) (1st ed.). Nairobi: Jomo Kenyatta University of Agriculture and Technology.
Book Chapters	<ol style="list-style-type: none"> 1. Fombong, F. T., & John N. Kinyuru. (2018). Termites and Sustainable Management. In A. Khan & W. Ahmed (Eds.), <i>Termites and Sustainable Management</i> (1st ed., Vol. 1–Biolog, pp. 218–235). Springer. https://doi.org/10.1007/978-3-319-72110-1 2. Kennedy O. Pambo, Julius J. Okello, R. M. M., & Kinyuru, J. N. (2018). Means-End Chain Approach Explains Motivations to Consume Insect-Based Foods: The Case of Cricket-Scones in Kenya. In A. Halloran, R. Flore, P. Vantomme, & N. Roos (Eds.), <i>Edible Insects in</i>

**Refereed
Journal Papers**

- Sustainable Food Systems* (1st ed., pp. 401–417). Cham, Switzerland: Springer.
3. Kinyuru, J. N., & Dorothy Nyangena, Edwin Kamau, Alex Ndiritu, Joyce Muniu, Carolyne Kipkoech, Johnson Weru, Nancy Ndung'u, and M. M. (2018). The Role of Edible Insects in Diets and Nutrition in East Africa. In A. Halloran, R. Flore, P. Vantomme, & N. Roos (Eds.), *Edible Insects in Sustainable Food Systems* (1st ed., pp. 93–109). Cham, Switzerland: Springer. <https://doi.org/10.1007/978-3-319-74011-9>
 4. Muyonga, J. H., Aworh, O. C., Kinyuru, J., Manley, M., Nansereko, S., & Nyangena, D. N. (2018). Nutritional and nutraceutical properties of traditional African foods. In *Public Health, Disease and Development in Africa* (1st ed., pp. 229–244). Routledge.
 5. Ayieko, M. A., Kinyuru, J. N., Makhado, R., Potgieter, M., Tshikudo, P., Mawela, K., ... Cloutier, J. (2015). Locusts and grasshoppers (Orthoptera). In J. Cloutier (Ed.), *Edible insects in Africa: An introduction to finding, using and eating insects* (First, pp. 45–56). Wageningen: CTA Publications Distribution Service.
 6. R. Makhado, M. Potgieter, P. Tshikudo, K. Mawela, H. Maluleke-Nyathela, M. A. A., & J.N. Kinyuru, J. C. (2015). Termites (Isoptera). In J. Cloutier (Ed.), *Edible insects in Africa: An introduction to finding, using and eating insects* (pp. 57–65). Wageningen, Netherlands: CTA Publications Distribution Service.
1. Pambo, K. O., Mbeche, R. M., Okello, J. J., Mose, G. N., & Kinyuru, J. N. (2018). Intentions to consume foods from edible insects and the prospects for transforming the ubiquitous biomass into food. *Agriculture and Human Values*, 35(4), 885–898. <https://doi.org/10.1007/s10460-018-9881-5>
 2. Kinyuru, J. N., & Kipkoech, C. (2018). Production and growth parameters of crickets in Kenya: Production and growth parameters of crickets in Kenya: experiences from a farm in a high altitude, cooler region of Kenya. *Journal of Insects as Food and Feed*, 4(4), 247–251.
 3. Innocent, S. G., Mulyungi, P., Kinyuru, J. N., & Aimable, N. (2018). Analysis of Institutional factors Influencing Farmer 's Choice of Milk Marketing Channel in. *International Journal for Research in Applied Science & Engineering Technology*, 6(6), 974–978.
 4. Ng'ang'a, J., Imathiu, S., Fombong, F., Ayieko, M., Vanden Broeck, J., & Kinyuru, J. (2018). Microbial quality of edible grasshoppers *Ruspolia differens* (Orthoptera: Tettigoniidae): From wild harvesting to fork in the Kagera Region, Tanzania. *Journal of Food Safety*, (September), e12549. <https://doi.org/10.1111/jfs.12549>
 5. Ochieng, B. A., Owino, W. O., Kinyuru, J. N., Mburu, J. N., Gicheha, M. G., & Kabuage, L. (2018). Effect of Low Tannin Sorghum Based Feed on Physical and Nutritional Quality of Layer Chicken Eggs. *Journal of Food Research*, 7(4), 94–106. <https://doi.org/10.5539/jfr.v7n4p94>
 6. Kinyuru, J. N. (2018). Insects as food and feed: from production to consumption. *Journal of Insects as Food and Feed*, 4(1), 73–74. <https://doi.org/10.3920/JIFF2018.x003>
 7. Pambo, K. O., Okello, J. J., Mbeche, R. M., Kinyuru, J. N., & Alemu, M. H. (2018). The role of product information on consumer sensory evaluation, expectations, experiences and emotions of cricket-flour-containing buns. *Food Research International*, 106, 532–541. <https://doi.org/10.1016/j.foodres.2018.01.011>
 8. Kamau, E., Mutungi, C., Kinyuru, J., Imathiu, S., Tanga, C., Affognon, H., ... Fiaboe, K. K. M. (2018). Effect of packaging material, storage temperature and duration on the quality of semi-processed adult house cricket meal. *Journal of Food Research*, 7(1), 21–31.
 9. Kamau, E., Mutungi, C., Kinyuru, J., Imathiu, S., Tanga, C., Affognon, H., ... Fiaboe, K. K. M. (2018b). Moisture adsorption properties and shelf-life estimation of dried and pulverised edible house cricket *Acheta domesticus* (L.) and black soldier fly larvae *Hermetia illucens* (L.). *Food Research International*, 106, 420–427. <https://doi.org/10.1016/J.FOODRES.2018.01.012>
 10. Gaiti, M., Ouna, B., Kinyuru, J., & Mapesa, J. (2018). Detection of Cu, Cd and Cr in

- sugarcane grown along Ngong tributary of Nairobi river. *IOSR Journal of Environmental Science*, 12(2), 63–71. <https://doi.org/10.9790/2402-1202016371>
11. Alemu, M. H., Olsen, S. B., Vedel, S. E., Kinyuru, J. N., & Pambo, K. O. (2017). Can insects increase food security in developing countries? An analysis of Kenyan consumer preferences and demand for cricket flour buns. *Food Security*, 1–14. <https://doi.org/10.1007/s12571-017-0676-0>
 12. Aluko, A., Kinyuru, J., Chove, L. M., Kahenya, P., & Owino, W. (2017). Physico-chemical, microbiological and sensory qualities of probiotic yoghurt enriched with baobab pulp. *RUFORUM Working Document Series*, 14(14), 1027–1035.
 13. Mmari, M., Kinyuru, J., Laswai, H., & Okoth, J. (2017). Application of edible insects in enriching complementary foods made from common plant sources. *RUFORUM Working Document Series*, 14(2), 1043–1049.
 14. Tenagashaw, M. W., Kinyuru, J. N., Kenji, G. M., Melaku, E. T., & Susanne, H.-K. (2017). Nutrient Density of Complementary Foods Formulated from a Blend of Teff, Soybean and Orange-fleshed Sweet Potato. *International Journal of Food Science and Nutrition Engineering*, 7(4), 61–69.
 15. Tenagashaw, W. M., Kenji, G. M., Huyskens-Keil, S., Tenagashaw, M. W., Melaku, E. T., & Kinyuru, J. N. (2017). Teff-Based Complementary Foods Fortified with Soybean and Orange-Fleshed Sweet Potato. *Journal of Food Research*, 6(1), 1–11. <https://doi.org/10.5539/jfr.v6n1p112>
 16. Mmari, M. W., Kinyuru, J. N., Laswai, H. S., & Okoth, J. K. (2017). Traditions, beliefs and indigenous technologies in connection with the edible longhorn grasshopper *Ruspolia differens* (Serville 1838) in Tanzania. *Journal of Ethnobiology and Ethnomedicine*, 13(1), 60–70. <https://doi.org/10.1186/s13002-017-0191-6>
 17. Kipkoech, C., Kinyuru, J. N., Imathiu, S., & Roos, N. (2017). Use of house cricket to address food security in Kenya: Nutrient and chitin composition of farmed crickets as influenced by age. *African Journal of Agricultural Research*, 12(44), 3189–3197. <https://doi.org/10.5897/ajar2017.12687>
 18. Pambo, K. O., Okello, J. J., Mbeche, R. M., & Kinyuru, J. N. (2017). Exploring the Influence of Differentiated Nutrition Information on Consumers' Mental Models Regarding Foods from Edible Insects: A Means-End Chain Analysis. *Ecology of Food and Nutrition*, 56(6), 530–551. <https://doi.org/10.1080/03670244.2017.1392944>
 19. Ndiritu, A. K., Kinyuru, J. N., Kenji, G. M., & Gichuhi, P. N. (2017). Extraction technique influences the physico-chemical characteristics and functional properties of edible crickets (*Acheta domesticus*) protein concentrate. *Journal of Food Measurement and Characterization*, 11(4), 2013–2021. <https://doi.org/10.1007/s11694-017-9584-4>
 20. Muraguri, E. N., Wakibia, J. G., & Kinyuru, J. N. (2016). Chemical Composition and Functional Properties of Selected Seaweeds from the Kenya Coast. *Journal of Food Research*, 5(6), 114–123. <https://doi.org/10.5539/jfr.v5n6p114>
 21. Alemu, M., Olsen, S., Vedel, S., Kinyuru, J., & Pambo, K. (2016). *Integrating sensory evaluations in incentivized discrete choice experiments to assess consumer demand for cricket flour buns in Kenya* (No. 2016 / 02). Copenhagen.
 22. Aluko, A. E., Kinyuru, J., Chove, L. M., Kahenya, P., & Owino, W. (2016). Nutritional Quality and Functional Properties of Baobab (*Adansonia digitata*) Pulp from Tanzania. *Journal of Food Research*, 5(5), 23. <https://doi.org/10.5539/jfr.v5n5p23>
 23. Pambo, K., Mbeche, R., Okello, J., Kinyuru, J., & Mose, G. (2016). Consumers' salient beliefs regarding foods from edible insects in Kenya: A qualitative study using concepts from the theory of planned behaviour. *African Journal of Food, Agriculture, Nutrition and Development*, 16(4), 11366–11385. <https://doi.org/10.18697/ajfand.76.16810>
 24. Chepngeno, J., Owino, W., Kinyuru, J., & Nenguwo, N. (2016). Effect of Calcium Chloride and Hydrocooling on Postharvest Quality of Selected Vegetables, 5(2). <https://doi.org/10.5539/jfr.v5n2p23>
 25. Owino, V. O., Skau, J., Omollo, S., Konyole, S., Kinyuru, J., Estambale, B., ... Friis, H.

- (2015). WinFood Data from Kenya and Cambodia: Constraints on Field Procedures. *Food and Nutrition Bulletin*, 36(1_suppl1), S41–S46. <https://doi.org/10.1177/15648265150361S107>
26. Kinyuru, J. N., Borresen, E. C., & P. Ryan, E. (2015). Nutritional and Safety Evaluation of Heat-Stabilized Rice Bran for Supplementary Feeding of Malnourished Children in Kenya. *Int J Food Sci Nutr Diet.*, 04(6), 226–232. <https://doi.org/dx.doi.org/10.19070/2326-3350-1500041>
 27. Chepngeno, J., Kinyuru, J., Nenguwo, N., & Owino, W. (2015). The Effects of a Low Cost Hydro Cooling System on the Postharvest Quality Characteristics of Selected Tropical Fruits and Vegetables. *Journal of Postharvest Technology*, 03(04), 101–109.
 28. Kinyuru, J. N., Konyole, S. O., Kenji, G. M., Onyango, C. A., Owino, V. O., & Owuor, B. O. (2015). Nutrients , functional properties , storage stability and costing of complementary foods enriched with either termites and fish or commercial micronutrients. *Journal of Insects as Food and Feed*, 1(1), 1–10. <https://doi.org/10.3920/JIFF2014.0011>
 29. Kinyuru, J. N., Mogendi, J. B., Riwa, C. A., & Ndungu, N. W. (2015). Edible insects - a novel source of essential nutrients for human diet : Learning from traditional knowledge. *Animal Frontiers*, 5(2), 14–19. <https://doi.org/10.2527/af.2015-0014>
 30. Onyango, C. A., Ochanda, S. O., Mwasaru, M. A., Ochieng, J. K., Mathooko, F. M., & Kinyuru, J. N. (2013). Effects of Malting and Fermentation on Anti-Nutrient Reduction and Protein Digestibility of Red Sorghum, White Sorghum and Pearl Millet. *Journal of Food Research*, 2(1), 41–52. <https://doi.org/10.5539/jfr.v2n1p41>
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 38. Kinyuru, J. N., Kahenya, K. P., Muchui, M., & Mungai, H. (2011). Influence of Post-harvest Handling on the Quality of Snap Bean (*Phaseolus vulgaris* L .), 1(5), 43–46.
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<p>Scholarly presentations in conferences /workshops/ seminars</p>	<p>40. Kinyuru, J. N., Kenji, G. M., & Njoroge, S. M. (2009). Nutritional potential of longhorn grasshopper (<i>Ruspolia differens</i>) consumed in lake Victoria region of East Africa. <i>Journal of Agriculture, Science and Technology</i>, 1, 32–46.</p> <ol style="list-style-type: none"> 1. Pambo, K., Mbeche, R., Okello, J. and Kinyuru, J. (2016). Modelling cognitive determinants of the intentions to consume foods from edible insects: An application of the theory of planned behaviour. Paper presented at the 7th European Conference on Sensory and Consumer Research, September 11-14, 2016, Dijon, France. 2. Pambo, K., Okello, J., Mbeche, R. and Kinyuru, J. (2016). Consumer Acceptance of Edible Insect' Foods for Non-Meat Protein in Western Kenya. Paper presented at the 5th African Association of Agricultural Economists (AAAE) Conference, September 23-26, 2016, the United Nations Conference Center, Addis Ababa-Ethiopia. 3. Mugeru, D.K., Kinyuru, J.N., Mwaniki, M.W. and Njoroge, G.N (2015). Nutrient and anti-nutrient contents of selected wild food plants from Ithanga division, Kenya. Chuka University, 1st International Research Conference. 29th – 31st October 2014. 4. Chepngeno, J., Owino, W., Kinyuru, J., & Nenguwo, N. (2017), Combinatorial effects of hydrocooling, sanitizer application and cold storage in maintaining the quality of vegetables; 1st All Africa Postharvest Congress and Exhibition 28th -31st March 2017, Nairobi Kenya 5. D. Nyangena, C. Mutungi, S. Imathiu, J. Kinyuru, H. Affognon, C. Tanga, S. Ekesi and K.K.M. Fiaboe, (2017). Postharvest microbial quality of edible insects during handling and processing. 1st All Postharvest Congress and Exhibition, March 28-31, 2017, Safari Park, Nairobi. 6. E. Kamau, C. Mutungi, J. Kinyuru, S. Imathiu, C.Tanga, H. Affognon, S.Ekesi, D. Nakimbugwe, K.K.M Fiaboe (2017). Moisture adsorption of semi-processed adult cricket (<i>Acheta domesticus</i>) and black soldier fly larvae (<i>Hermetia illucens</i>) flours. All Africa post-harvest Congress and exhibition. 28th-31st March 2017. 7. E. Kamau, C. Mutungi, J. Kinyuru, S. Imathiu, C.Tanga, H. Affognon, S.Ekesi, D. Nakimbugwe, K.K.M Fiaboe (2017). Effect of packaging material, storage temperature and duration on the quality of semi-processed adult house cricket meal. The 12th JKUAT Scientific, Technological and Industrialization Conference. 23rd-24th November 2017. 8. Gaiti M., B. Ouna, John Kinyuru and Job Mapesa (2017). Detection of Cu, Cd and Cr in sugarcane grow along Ngong tributary of Nairobi River. 12th JKUAT Conference and exhibitions, 23rd – 24th, JKUAT Main Campus, Kenya 9. Joyce N. Muniu, John N. Kinyuru, Florence Kyallo and Ayieko Monica (2017). Familiarity breeds contempt: Reducing novelty through recipe development, standardization and nutritional analysis of insect based food products. 12th JKUAT Conference and exhibitions, 23rd – 24th, JKUAT Main Campus, Kenya 10. Ochieng Berryl, A. Mburu John, Gicheha Mathew, Kabuage Lucy, John Kinyuru and W. O. Owino (2016). Effect of sorghum-based diet on nutritional quality of broiler meat. RUFORUM Biennial Conference, 17th – 21st October 2016. 11. Alex Ndiritu, John Kinyuru, Kenji Mwangi, Paul Njihia (2016). Proximate and physical characteristics of cricket powder from Thailand (<i>Acheta domesticus</i>). International Conference on Legislation and Policy on the Use of Insect as Food and Feed in East Africa. 2-3 March 2016, Kisumu, Kenya 12. Alex Ndiritu, John Kinyuru, Kenji Mwangi, Paul Njihia (2016). Optimization of protein extraction from edible crickets (<i>Acheta domesticus</i>) powder. KIFST Conference. 1st June 2016. Nairobi
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13. D. Nyangena, S. Imathiu, **J. Kinyuru**, C. Mutungi and K. Fiaboe (2016). Effect of Processing on Chemical and Microbial Quality of Selected Edible Insects. Conference on enhancing legislation and policy in the use of insects as food and feed, March 2-3, 2016, Kisumu, Kenya.
14. Pambo, K., Mbeche, R., Okello, J., **Kinyuru**, J. and Mose, G. (2016). Focused Group Approach Investigates Consumers' Salient Beliefs on Foods From Edible Insects (FFEI). Poster presented at the Regulatory Meeting on Insect as Food and Feed-Enhancing Legislation and Policy in the use of Insect as Food and Feed, March 2-3, 2016. The VIC Hotel, Kisumu, Kenya.
15. Pambo, K., Mbeche, R., Okello, J., **Kinyuru**, J. and Mose, G. (2016). Consumers' Salient Beliefs Regarding Foods from Edible Insects in Kenya: A Qualitative Study Using Concepts from the Theory of Planned Behaviour. Paper presented at the First East African Food Safety, Nutrition, Agro-processing and Innovation conference, 29th March to 1st April, 2016, KEFRI Headquarters, Nairobi, Kenya.
16. Pambo, K., Okello, J., Mbeche, R. and **Kinyuru**, J. (2016). Just-about-right scales explain cricket-scones' sensory liking. Poster presented at the 7th European Conference on Sensory and Consumer Research, September 11-14, 2016, Dijon, France.
17. E. Kamau, C. Mutungi, **J. Kinyuru**, S. Imathiu, C.Tanga, H. Affognon, S.Ekesi, D. Nakimbugwe, K.K.M. Fiaboe (2016). Physico-chemical stability of selected fresh and semi-processed edible insects oil. Conference on enhancing legislation and policy in the use of insects as food and feed. March 2-3 2016, Kisumu Kenya.
18. Kennedy O. Pambo, Robert M. Mbeche, Julius J. Okello and **John N. Kinyuru** (2016). Modelling cognitive determinants of the intentions to consume foods from edible insects: An application of the theory of planned behavior. Seventh European Conference on Sensory and Consumer Research, 11 - 14 September 2016 | Dijon, France
19. **Chepngeno**, J., Owino, W., **Kinyuru**, J., & Nenguwo, N. (2015), Evaluating the performance of a low cost hydro cooling system in maintenance of postharvest quality of perishables. 3rd ISHS Southeast Asia Symposium on Quality Management in Postharvest Systems (SEAsia 2015) 13th -15th August Siem Reap Cambodia
20. Chepngeno, J., Owino, W., **Kinyuru**, J., & Nenguwo, N. (2015), Combined effects of hydrocooling, calcium treatment and low temperature storage on postharvest quality of selected vegetables. 3rd ISHS Southeast Asia Symposium on Quality Management in Postharvest Systems (SEAsia 2015) 13th -15th August Siem Reap Cambodia
21. Chepngeno, J., Owino, W., Kinyuru, J., & Nenguwo, N. 2014; Influence of a low cost hydro cooling system on ripening Characteristics of tomatoes; 9th JKUAT Scientific, Technological and Industrialization Conference; 14-15th November JKUAT Kenya
22. **John Kinyuru**, Erica C. Borresen, Elizabeth P. Ryan (2015). Heat-stabilized rice bran: A novel food ingredient for food processors in Kenya. East Africa Grain Council Agribusiness Symposium, 3-4th September 2015, Nairobi Kenya.
23. **Kinyuru J.N.**; Konyole S.O; Onyango-Omollo S.A.; Owuor B.O.; Roos N.; Estambale B.B.; Owino V.O. (2014). Development and evaluation of amaranth grain based complementary foods enriched with termites and fish. Insects to Feed the World Conference. Amsterdam, 14 -17th May, 2014 .Ref PN1239
24. Roos, N, Owino, V., **Kinyuru**, J., Ekesi, S., Courtwright, G., Drew, D., Hanboonsong, Y., Vantomme, P., Chamnan, C., Olsen, S.B., Jensen, A.B., Ayieko, M. (2014). GREEINSECT: a multidisciplinary research project on potentials and barriers for insect-farming for food and feed in Kenya. Abstract and presentation presented at the first conference on Insects to feed the world, 14 - 17 May 2014, Ede, The Netherlands.

25. Owino V.O.; Omollo S. A.; Konyole S.O.; **Kinyuru J.N.**; Owuor B.; Skau J; Roos N.;Michaelsen K.; Friis H.; Estambale B.B. (2014) Effect of edible termite-based complementary foods on growth and micronutrient status of 6-15 month old Kenyan infants—a randomised trial. Insects to Feed the World Conference. Wageningen, Netherlands 14-17th May, 2014 .Ref PN 1299.
26. Konyole S.O , **Kinyuru J.N**, Omollo S.A., Owuor B.O, Roos N, Friis H., Skau J; Roos N.;Michaelsen K.; Estambale B., Owino O.V (2014). Breastfeeding, sex and body composition as correlates of stunting among Kenyan children at 6 and 15 months of age. International Symposium on Understanding Moderate Malnutrition in Children for Effective Interventions, Vienna, Austria, 26 – 29th May, 2014.
27. Owino O.V , Konyole S.O , **Kinyuru J.N**, Omollo S.A, Owuor B.O, Roos N, Friis H., Skau J; Roos N.; Michaelsen K Estambale B., (2014). WINFOOD data from Kenya and Cambodia: constraints on field procedures. International Symposium on Understanding Moderate Malnutrition in Children for Effective Interventions, Vienna, Austria, 26 – 29th May, 2014.
28. Roos, N, Owino, V., **Kinyuru, J. N.**, Ekesi, S., Courtwright, G., Drew, D., Hanboonsong, Y., Vantomme, P., Chamnan, C., Olsen, S.B., Jensen, A.B., Ayieko, M. (2014). GREEINSECT: a multidisciplinary research project on potentials and barriers for insect-farming for food and feed in Kenya. Abstract and presentation presented at the first conference on Insects to feed the world, 14 - 17 May 2014, Ede, The Netherlands.
29. **Kinyuru J. N.** and Kenji G. M. (2013). Edible Insects as a novel ingredient for nutrient dense food products. 1st **Abstract of proceedings:** 1st Mount Kenya University International Research and Innovation Conference, Nairobi, Kenya, 28th - 30th August, 2013.

AWARDS:

1. 2010: Certificate of recognition as co-founder, Achievement Awards at Jomo Kenyatta University of Agriculture and Technology
2. April 2017: Certificate of Achievement. In recognition of my proficiency in raising funds for research

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

1. Professional member: Africa Nutrition Society, 2018 – To date
2. Professional member: Christian and Scientific Association of Kenya (CSAK), 2015 - Present
3. Professional member: Kenya Institute of Food Science and Technology (KIFST), 2011 – Present
4. Registered Nutritionist (RNutr): Kenya Nutrition and Dieticians Institute (KNDI), 2010 – Present

COMMUNITY SERVICE:

1. March 2018: Reviewer, Christian and Scientific Association of Kenya (CSAK) National Essay Competition 2017
2. October 2015: Member, Board of Management, Mwarano Secondary School, Murang'a County
3. 2017: Editorial Board member, Journal of Insects as Food and Feed, Wageningen Publishers.
4. Reviewer for Journal of Insects as food and feed
5. 2016: Co-chair, Agriculture Task force of Committee on Open Data Science and Technology (CODATA) of International Council for Science (ICSU).

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