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Date of Birth: 1981

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Education:

- PhD in Food Science and Nutrition. Jomo Kenyatta University of Agriculture and Technology, Kenya. 2009 – 2012
- Postgraduate Diploma in Educational Technology. University of Cape Town, South Africa. 2015 – 2016
- M.Sc. In Food Science and Technology. Jomo Kenyatta University of Agriculture and Technology, Kenya. 2007 – 2009
- BSc. in Food Science and Postharvest Technology, First Class Honors. Jomo Kenyatta University of Agriculture and Technology, Kenya. 2001 – 2005

Work Experience:

- **Deputy Executive Director & Head of Programmes (2022 – to date)**, African Institute for Capacity Development, East Africa Region
- **Senior Lecturer (2019 – to date)**, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya
- **Director of Research (2020 – 2022)**, Directorate of Research and Innovations, Jomo Kenyatta University of Agriculture and Technology, Kenya
- **Post-Doctoral Fellow (2015)**, Ryan Laboratory, Department of Environmental and Radiological Health Sciences, Colorado State University, USA
- **Lecturer (2013 – 2019)**, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya
- **Tutorial Fellow (2009 – 2013)**, Department of Food Science and Technology, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya
- **Production Supervisor (20025 -2006)**, Brookside Dairies, Kenya

Research Projects Management:

- **Project Coordinator:** The Africa Open Science Platform East African Node. Funded by the National Research Fund, South Africa (2023 – 2028). [Link](#)
- **Co-Principal Investigator:** Establishing a digital innovations hub for Climate Smart Agriculture and Trade. Funded by African-European Digital Innovation Bridge Network of European Commission (2023 – 2025)
- **Principal Investigator:** Nutritional outcomes of feeding children under 5 years with porridge fortified with cricket powder. Funded by Rockefeller Foundation (2022 – 2024)
- **Principal Investigator (JKUAT):** HEALTHYINSECT: Insects for improved livelihood. Funded by Danida, Denmark (2020 -2024). [Link](#)
- **Principal Investigator:** Enhancing food and nutrition security through promotion of edible insects' value chain in Eastern Africa (Ento-Economy). Funded African-European ERA-NET Cofund (LEAP-Agri) (2018-2021).
- **Principal Investigator:** Mass production and utilization of edible insects and cassava meal for feed security and improvement of livelihood for smallholder farmers in Kenya. Funded by The National Research Fund, Kenya (2018 – 2022).
- **Project Partner (JKUAT)** - Africa center of excellence on sustainable use of edible insects as food and feed (INSEFOODS). Funded by ACE 11 programme of The World Bank (2016-2020). [Link](#)
- **Principal Investigator and Local Promoter** - Using the edible insect, grasshopper (*Ruspolia differens*) to enhance food security in East Africa. Funded by VLIR-OUS (2016-2020). [Link](#)
- **Principal Investigator and Project Manager** – Up-scaling of cricket farming as protein source for animal feedstuff. Funded by JKUAT (2015-2017).
- **Principal Investigator (JKUAT)** - GREeINSECT Project: Insects for green economy. Funded by Danida (2014-2017). [Link](#)

Relevant publications (Last 5 years):

1. Konyole, S. O., Omollo, S. A., **Kinyuru, J. N.**, Owuor, B. O., Estambale, B. B., Ritz, C., ... & Grenov, B. (2023). Associations between stunting, wasting and body composition: A longitudinal study in 6-to 15-month-old Kenyan children. *The Journal of Nutrition*, 153(4), 970-978.
2. Akullo, J. O., Kiage-Mokua, B. N., Nakimbugwe, D., Ng'ang'a, J., & Kinyuru, J. (2023). Color, pH, microbiological, and sensory quality of crickets (*Gryllus bimaculatus*) flour preserved with ginger and garlic extracts. *Food Science & Nutrition*.
3. Weru, J., Chege, P., Wanjoya, A., & **Kinyuru, J.** (2022). Comparison of healthfulness of conventional meats and edible insects in Sub-Saharan Africa using three nutrient profiling models. *Bulletin of the National Research Centre*, 46(1), 1-14.
4. Mutisya, M. M., Baleba, S. B. S., **Kinyuru, J. N.**, Tanga, C. M., Gicheha, M., Hailu, G., ... & Niassy, S. (2022). Effect of *Desmodium intortum* and black soldier fly larvae (*Hermetia illucens*) based meal on sensory and physicochemical properties of broiler chicken meat in Kenya. *Journal of Insects as Food and Feed*, 1-14.
5. Ishara, J., Buzera, A., Mushagalusa, G. N., Hammam, A. R., Munga, J., Karanja, P., & **Kinyuru, J.** (2022). Nutraceutical potential of mushroom bioactive metabolites and their food functionality. *Journal of Food Biochemistry*, 46(1), e14025.
6. Mbijiwe, J., Kiiru, S., Konyole, S., Ndungu, N., & **Kinyuru, J.** (2021). Impact of Covid-19 Pandemic on Food Consumption Pattern in the Population of Nairobi, Kenya. *Journal of Agriculture, Science and Technology*, 20(3), 16-26.
7. Kipkoech, C., **Kinyuru, J. N.**, Imathiu, S., Meyer-Rochow, V. B., & Roos, N. (2021). In vitro study of cricket chitosan's potential as a prebiotic and a promoter of probiotic microorganisms to control pathogenic bacteria in the human gut. *Foods*, 10(10), 2310.
8. **Kinyuru, J.**, Kipkoech, C., Imathiu, S., Konyole, S., & Roos, N. (2021). Acceptability of cereal-cricket porridge compared to cereal and cereal-milk-porridges among caregivers and nursery school children in Uasin Gishu, Kenya. *International Journal of Tropical Insect Science*, 41(3), 2007-2013.
9. Ng'ang'a, J., Fombong, F., Kiiru, S., Kipkoech, C., & **Kinyuru, J.** (2021). Food safety concerns in edible grasshoppers: a review of microbiological and heavy metal hazards. *International Journal of Tropical Insect Science*, 41(3), 2103-2111.
10. Mbijiwe, J., Ndungu, Z., & **Kinyuru, J.** (2021). Enrichment of Fermented Sorghum Flour with Pumpkin Pulp and Seed for Production of A Vitamin A and Iron Enhanced Supplementary Food. *Journal of Food Research*, 10(6), 1-36.
11. Mekuria, S. A., **Kinyuru, J. N.**, Mokua, B. K., & Tenagashaw, M. W. (2021). Nutritional quality and safety of complementary foods developed from blends of staple grains and honey bee larvae (*Apis mellifera*). *International Journal of Food Science*, 2021.
12. Nyangena, D. N., Mutungi, C., Imathiu, S., **Kinyuru, J.**, Affognon, H., Ekesi, S., ... Fiaboe, K. K. M. (2020). Effects of Traditional Processing Techniques on the Nutritional and Microbiological Quality of Four East Africa. *Foods*, 9, 574.
13. Ng'ang'a, J., Imathiu, S., Fombong, F., Ayieko, M., Vanden Broeck, J., & **Kinyuru, J.** (2019). Microbial quality of edible grasshoppers *Ruspolia differens* (Orthoptera: Tettigoniidae): From wild harvesting to fork in the Kagera Region, Tanzania. *Journal of Food Safety*, 39(1), e12549.
14. Kamau, E., Mutungi, C., **John N. Kinyuru**, Imathiu, S., Tanga, C., Affognon, H., Ekesi, S., Nakimbugwe, D. and K. K. M. Fiaboe. (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.
15. 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. *Journal of Environmental Science, Toxicology and Food Technology*, 12(2), 63-71
16. Gatoni Innocent, S., Mulyungi, P., Kinyuru, J., & Nsengiyumva, A. (2018). Analysis of institutional factors influencing farmer's choice of milk marketing channel in Rwanda. *International Journal of Research in Applied Science, Engineering and Technology*, 6, 2321-9653.