Josphat N Gichure

Curriculum vitae

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**ID NUMBER** : 24759984

**CITIZENSHIP** : KENYAN

**SEX** : MALE

**PROFILE**

I am an accurate, adaptable, logical team player, committed to practical problem solving in a methodical and organized manner and can easily work under pressure and remain loyal to my course with a positive and courteous demeanor. I am dynamic having successfully worked in research and lectureship in top global universities and with experience in strategic management in hospitality and food retail industries.

**ACADEMIC QUALIFICATION**

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| **Oct’ 2013 –Sept 2017** | PhD Food Science and Technology   * University of Nairobi. * Ph.D Thesis: **“Integrating Traditional Techniques into Conventional Preservation Methods to Upgrade Pastoral Deep-Fried Beef Products in Kenya”.** |
| **Oct 2010- Dec 2012** | MSc. Food Safety & Quality   * University Of Nairobi; * MSc. dissertation: **“Governance structures & traceability in organic value chain in Kenya”** |
| **Oct 2006- June 2010** | BSc. Food Science and Technology;   * University Of Nairobi; * Research project: **“Production of banana puree for use in baby food”** |
| **2001 – 2004:** | Nyeri High School;   * KCSE; Mean Grade A- (76 / 84 points) |

**PROFESSIONAL QUALIFICATION:**

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| **February 2012- March 2012** | * Health Risk Assessment Certificate (Water quality and pesticide residues * University of the Witwatersrand, South Africa |
| **July 2005 – December 2008** | * Certified Public Accountant (CPA) graduate * Kenya Accountants and Secretaries National Examination Board (KASNEB) |
| **2005- present** | * Computer skills in MS packages such as Word, Excel, Access, PowerPoint & Internet explorer * Analytical software e.g. Genstat, Scientific Package in Social Sciences (SPSS), R-statistics, Ucinet, ArcView GIS, among others |

**WORK EXPERIENCE:**

**March 2018- Present: Lecturer & Chair** **of Department** at **South Eastern Kenya University,**

I oversee leadership at the Department of Food Science, Nutrition & Technology to ensure the missions and the visions of the University have been met.

**August 2018- July 2019: Research Associate- Postdoc Fellow at Curtin University (Australia)**

Postdoctoral research fellow in Food Microbiology and Molecular Biology. For the time attached at the institution, I gained advanced hands-on experience in metagenome sequencing.

**September 2017- March 2018: Research Associate at University of Nairobi**

The main roles include concept development, writing grants proposals, conducting research and reporting on progress.

**Feb 2017- March 2018: Butchery Manager & HACCP team leader at Tusker Mattresses Limited**

The main roles were planning, organizing, coordinating, and controlling the basic operations of the people, materials, machines, methods, and markets by providing direction and leadership with the aim of achieving the mission and vision of the company.

**April 2011 - Dec 2016: Research associate at the University of Nairobi**

Notable projects included:

1. RUFORUM (The Regional University Forum for Capacity Building in Agriculture)-

* Funded by RUFORUM
* Project title: Efficacy of commonly used drugs in the control of coccidiosis and ectoparasitism of domestic rabbits in smallholder production systems in Kenya.
* Primary roles: biostatistician. Main output- disseminated findings

1. RELOAD Project (Reducing Losses, Adding Value)

* Funded by German Federal Ministry of Education and Research (BMBF)
* Project title: Integrating conventional and tradition processing and preservation techniques to upgrade pastoral deep-fried meat products.
* Primary roles: PhD fellowship. main output- standardized and packaged indigenous deep-fried meat products from pastoral communities in Kenya, Ph.D thesis, and disseminated findings.

1. ProGrov (Productivity and Growth along Organic Value Chains) Project-

* Funded by Denmark’s Development Cooperation (DANIDA)
* Project title: Analysis of the Network structures and traceability strategies along organic products value chains.
* Primary roles: MSc fellowship. main output- MSc thesis and disseminated findings.

**May 2013- July 2015: Product Development and Quality Assurance manager** in **Nutra Foods**

I provided quality leadership to influence activities, both proactively and reactively. I also developed, trained and coached the organization team on continual quality improvement. I also made sure that complete, accurate and on‐time submission of regular reports in line with ISO 9001:2008 has been submitted to the management for controls and auditing. I was in charge of new products development and I spearheaded diversification to service provision to catering for outdoor and indoor events.

**Jul 2009- Oct 2009: Industrial Attachment** at **Mataara Tea Factory Company Limited** Roles: supervised production of black CTC tea from green leaf receiving section, through cutting, rolling, fermentation, drying, sorting and grading, packaging and dispatch. I also did administrative work to gain experience of running tea industry in Kenya. I also took part in machine and equipment maintenance.

**Other Experience**

**September 2019- Present: KEBS/TC 016 "Meat and Poultry Products"**

* Active member of the TC committee representing South Eastern Kenya University

**August 2012- Present: Food Science and Technology Platform of Kenya**

* Vice-secretary: 2017- Present
* Secretary: 2014-2017

**February 2014- Present African Journal of Food, Agric, Nutrition and Development**

* Full reviewer: 2019- Present
* Junior reviewer: 2014-2019

**Stakeholder engagements beyond academics**

1. **June 2016:** (Consultant) Training MSc students and staff at the University of Nairobi, Department of Vet. Pathology, Microbiology and Parasitology on research design and data analysis. *This was part of RUFORUM project objectives with Principal Investigator being Prof. Gathumbi*
2. **April 2016:** (Technical expert) Value chain analysis and business model development for utilization of prosopis in the Arid and Semi-Arid Lands in Kenya. *Project funded by National Drought Management Authority. Principal Investigator James Naikuni*
3. **September 2015:** (Technical expert) Improving the overall quality and shelf life of fine beans for export to the United Kingdomsupermarket chains using enhanced cold chain management. *Project funded by private investors with interest in export business*
4. **May 2015- June 2015:** (Technical expert) Baseline studies to assess aquaculture market focus, identify factors that affect the market and gender dynamics among the farmers. *Project funded by Kenya Women Finance Trust. Principal Investigator Dr. Joyce G Maina*
5. **April 2015- May 2015: (**Lead Consultant) Scoping study to evaluate the Food Safety standards of Fresh Fruits and Vegetables (FFV) in selected domestic markets in Kenya- *Project funded by SNV (Netherlands Development Organization)*
6. **June 2014- March 2015: (**Technical expert) Value chain analysis, network governance and traceability of farmed fish value chains in Nyeri and Kisumu Counties- *USAID- PEER project. Principal Investigator Dr. Joyce G Maina*
7. **June 2014: (**Technical expert) Network analysis and value addition along aquaculture value chains in Kirinyaga County- *Project funded by National Commission of Science, Technology and Innovation*
8. **August 2013:** (Consultant) Baseline survey of the resilience and livelihoods of residents in Wajir County- *Project funded by OXFAM*
9. **March 2013:** (Consultant) Value chain mapping and assessment of technology adoption by small holder tissue culture banana farmers in South Imenti sub-County. *Project funded by private investors with interest in banana value addition*

**Peer reviewed Articles**

1. **Gichure, J.N**., Kunyanga, C.N, Imungi, J.K (2017). Standardization of cut size and pre-drying time of beef to mainstream pastoral processing in Kenya’s meat industry. *Pastoralism: Research, Policy and Practice,* DOI 10.1186/s13570-016-0073-x
2. Ogolla, K.O., Chebet, J., Gathumbi, P.K., Waruiru, R.M., Okumu, P.O., Munyua, W.K., Kitala, P., **Gichure, J.N.,** Wanyoike, M.M., Mailu, S., Kibebe, H.W and Hungu, J.M. (2017) Farmer practices that influence risk factors, prevalence and control strategies of rabbit coccidiosis in Central Kenya. *Livestock Research for Rural Development,* 29 (7)
3. **Gichure, J.N.,**Wahome, R.G., Karuri, E.G., Njage, P.M.K, Nzuma, J.M., Karantininis, K.(2016). Factors that contribute to traceability along Organic Kales Supply Chains in Nairobi. *Journal of Organic Agriculture-* DOI 10.1007/s13165-016-0155-5
4. Mathi, P.M., Kunyanga, C.N, **Gichure, J.N.** and Imungi, J.K, (2016). Utilization of Beef Slaughter By-Products among the Kenyan Pastoral Communities. *Food Science and Quality Management‚* 53‚ 78-83
5. Maina, J.G.,**Gichure, J.N**and Karuri, E.G. (2015). Farmed Fish Value Chain Analysis with Emphasis to Value Addition and Traceability: Case of Kirinyaga County in Kenya. *Food Chains,* 5(3), 163-180
6. **Gichure, J.N.,**Kunyanga, C.N, Imungi, J.K, and Mathi, P.M. (2014). The present status of meat processing and preservation in the pastoral regions of Kenya. *Food Science and Quality Management‚* 34‚ 42-50
7. **Gichure, J.N.,**Wahome, R.G, Karuri, E.G and Karantininis, K. (2014): Traceability Among Smallholders In Organic Fresh Produce Value Chains: Case Of Nairobi. *Building Organic Bridge,* 3, 779-782

**Peer reviewed conference proceedings and other publications**

1. Catherine Kunyanga, **Josphat Gichure,** Pius Mathi and Jasper Imungi. Evaluation of commercial Feasibility of the deep-frying processing technology in the reduction of post-slaughter losses in Kenya. Proceeding of the 1st All African Post-Harvest Congress and Exhibition, 28th-31st March, 2017, Nairobi Kenya
2. Catherine Kunyanga, **Josphat Gichure,** Pius Mathi and Jasper Imungi. Reduction of post-slaughter losses in the meat value chain through value addition and innovative processing technologies, Proceeding of the 1st All African Post-Harvest Congress and Exhibition, 28th-31st March, Nairobi Kenya
3. Maina, J.G. and **Gichure, J.N.** Fish Production, marketing and traceability in Kenya. Proceeding of the First International Conference on Tropical Animal Science and Production (TASP 2016),26th – 29th July, 2016, Bangkok, Thailand,
4. **Gichure, J.N.** (2015). Traceability as a means of enhancing trust among organic fresh produce farmers and traders,*ICROFS Newsletter*, April, 2015 issue.
5. **Gichure, J.N**., Kunyanga, C.N, Imungi, J.K, and Mathi, P.M. (2014): Application of Appropriate Technologies to Minimize Post Harvest Losses and Improve Quality along Pastoral Beef Value Chain in Developing Countries: Case of Kenya. Proceeding of the 17th World Congress of Food Science and Technology & Expo. Research that resonates. Montreal, Quebec, Canada.
6. **Gichure, J.N.,**Karuri, E.G.‚ and Maina, J.G. (2014) “Value Addition and Traceability along Food Value Chains in Kenya: Case of Aquaculture in Kirinyaga County” Proceedings of the 8th Egerton University International Conference: Innovative Research and Technology for Global Development, 26th-28thMarch 2014 in Egerton University, Njoro campus‚ pp 332-337
7. **Gichure, J.N.** (2013) Network organization of the organic kales value chains in Nairobi,*ICROFS Newsletter*, June, 2013 issue.

# Submitted manuscripts to peer reviewed journals

1. **Gichure, J.N** and Njeru, S.K. Impact of slaughterhouses in addressing food insecurity in fragile pastoral areas.*African Journal of Food, Agriculture, Nutrition and Development*
2. **Gichure, J.N**., Kunyanga, C.N. andImungi, J.K. Market Competitiveness of Selected Traditional Meat Products in Kenya. *African Journal of Food, Agriculture, Nutrition and Development*
3. **Gichure, J.N.,**Wahome, R.G., Karuri, E.G., Njage, P.M.K, Nzuma, J.M., Karantininis, K. Use of centrality measures to analyze organic fresh produce stakeholders network structure. *Journal of Chain and Network Science*

**Students supervised**

1. Aron Kitonyi (on-going). Master of Science in Food Safety and Quality (University of Nairobi). Microbial decontamination during poultry slaughter in Nairobi and its metropolitan

**SKILLS**

Organizing events, Problem – solving skills, Negotiation skills

Setting and achieving goals, Communication and report writing Leadership skills

Teamwork skilland Team player, Decision – making skills, Interpersonal skill

**PERSONAL INTEREST**

Charity and volunteering, playing lawn and table tennis, reading, networking, swimming, travelling, watching scientific documentaries

**PROFESSIONAL MEMBERSHIPS**

1. Food Science and Technology Platform of Kenya (FoSTeP-K)- Secretary
2. African Journal of Food, Agriculture, Nutrition and Development (AJFAND)- Junior reviewer
3. Institute of Food Technologists (USA)- International member (2014 LEAD 360 member; Training and Lectureship workgroup-2015, Leadership workgroup-2015)

**AWARDS**

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| 1 | **KASNEB: CPA**  3rd overall in section 4: Dec ‘06  8th overall section 3 & 4 combined: Dec ‘06 | **VISION INSTITUTE OF PROFESSIONALS**  Best overall section 4 Dec ‘06  Best overall section 3 and 4 combined Dec ‘06 |
| 2 | 2015, March- Sponsorship to attend “Policies for Competitive Smallholder Livestock Production” conference in Gaborone. By International Livestock Research Institute (ILRI) and Botswana Institute for Development Policy Analysis (BIDPA). | |
| 3 | 2014, August- Developing country sponsorship award- IUFoST- 17th World Congress of Food Science and Technology & Expo | |
| 4 | 2014, June- Nominated to attend 2014 LEAD 360 (Global Leadership Workshop) | |

**Selected PRESENTATIONS and PARTICIPATIONS AND WORKSHOPS**

1. 28th-31st March, 2017: 1st All African Post-Harvest Congress and Exhibition, Nairobi Kenya
   1. Made 3 presentations:
      1. Evaluation of commercial Feasibility of the deep-frying processing technology in the reduction of post-slaughter losses in Kenya
      2. Reduction of post-slaughter losses in the meat value chain through value addition and innovative processing technologies
      3. Gender analysis, value addition, profitability and traceability along Farmed Fish Value Chain in Kenya
2. 19th – 22nd September, 2016: *6th Annual Productivity and Growth along Organic Value Chains workshop (By DANIDA)*, Nairobi, Kenya
3. 26th – 29th July, 2016: Oral presentation: Fish Production, marketing and traceability in Kenya. *First International Conference on Tropical Animal Science and Production (TASP 2016),* Bangkok, Thailand.
4. 29th March- 1st April, 2016: Oral presentation: Market Competitiveness of Selected Traditional Meat Products in Kenya. *First East African Conference on Food.* KEFRI Headquarters, Nairobi
5. 7th- 9th September, 2015: Poster Presentation: Potential for improvement of deep-fried meat products among four pastoral communities in Kenya. *21ST SAAFoST Biennial International Congress.* Durban, South Africa
6. 3rd- 7th, August, 2015: Oral Presentation: Production of shelf-stable and innovative solar-dried meat snacks from Chevon with potential for commercialization in pastoral regions of Kenya. *Innovate and Prosper. Nairobi Innovation Week,* 2015
7. 3rd- 7th, August, 2015: Poster Presentation: Development of innovative fruity wines from *Tarmarindindica*, *Opuntiastricta* and *Opuntiaindica* underutilized fruits in Kenya.*Innovate and Prosper. Nairobi Innovation Week,* 2015
8. 3rd- 7th, August, 2015:Poster Presentation: Development, Acceptability and Nutritional Characteristics of a low cost, shelf-stable supplementary food for people living with HIV/ AIDS (PLWHAs) in Kenya.*Innovate and Prosper. Nairobi Innovation Week,* 2015
9. May 28th-29th, 2015: Participation, *Food Safety Summit Africa, 2015.* Venue: Strathmore Business School.
10. 4th-6th March, 2015: Oral Presentation: Meat processing and preservation technologies practiced in Kenya’s Pastoral areas with potential for improvement based on product competitiveness. *“Policies for Competitive Smallholder Livestock Production”* conference in Gaborone. By International Livestock Research Institute (ILRI) and Botswana Institute for Development Policy Analysis (BIDPA).
11. 3rd – 7th Nov, 2014: Research proposal writing: With focus of upgrading value chains of neglected and underutilized species of plants, By *International Foundation for Science and Biodiversity International, East Africa workshop,* Nairobi, Kenya
12. 25th Sept- 3rd Oct, 2014: Trans-disciplinary research: inclusion of stakeholders and gender in participatory action research, Witzenhausen, Germany
13. 17th-21st August, 2014: Developing Countries Scholarship Award winner and Oral presentation: Application of Appropriate Technologies to Minimize Post Harvest Losses and Improve Quality along Pastoral Beef Value Chain in Developing Countries: Case of Kenya. At the *17th World Congress of Food Science and Technology & Expo.Research that resonates.* Montreal, Quebec, Canada.
14. 21st-24th June, 2014: LEAD 360- Global Leadership Forum. *IFT Annual Meeting and Food Expo.* New Orleans, Louisiana, USA
15. 26th-28thMarch 2014: Oral Presentation on “Value Addition and Traceability along Food Value Chains in Kenya: Case of Aquaculture in Kirinyaga County”.*The 8th Egerton University International Conference: Innovative Research and Technology for Global Development. Egerton University,*Njoro. Oral presentation:
16. 18th-20thFeb 2014: Training in Participatory Action Research approach workshop: Strengthening institutional capacity for action research in aquaculture project. Venue: KARI headquarters
17. 29th-31st January, 2014- Reload: Needs assessment in meat value chains workshop. Venue: Naivasha, Kenya
18. 4th- 6th December, 2013- Inception meeting for stakeholders in the aquacultural value chain. USAID project. Embu, Kenya
19. 7th- 11th October, 2013- Reload: Reducing Losses Adding Value along major food value chains in East Africa. Venue: Jumma, Ethiopia
20. 2nd – 4th July, 2013- The East African Organic Conference: Sharing achievements and lessons learned. Venue: Dar es Salaam, Tanzania
21. 18th- 23rd September, 2012: SOAR: Research School for Organic Agriculture and Food Systems, *Scientific approaches to organic value chain research: theory, process and ethics* Venue: Arusha, Tanzania
22. 2nd ‐4th May, 2012: Poster presentation “Network Organization of Organic Value Chains in Kenya’s Tourism Industry” at The 2nd African Organic Conference: *“Mainstreaming organic agriculture in the African development agenda”* Venue: Lusaka, Zambia

15th to 23rd May, 2011: ProGrov (Productivity and Growth of Organic Value- chains) Workshop, Venue: Makerere University- Uganda