**ISAAC OTOTO NYANGENA Nationality; Kenyan**

MSc Food Science and Technology **P.O. Box 99376-80100, Mombasa** Kenya

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| PROFILE | A conscientious and professional Food Scientist with extensive experience and knowledge in diverse Food Science areas. Highly organized and efficient person, with a thorough and precise approach to projects, which has produced excellent results to date. Able to manage own time effectively, and prioritize workload. Experienced at working to tight deadlines and under considerable pressure. I seek to achieve a high standard in whatever work I undertake. |
| ATTRIBUTES | * Excellent project management skills including time and personal organization. * Problem solving skills * High level of professionalism and integrity * Willingness and ability to work in a high pressure and results-driven environment. * Honest, smart, hardworking and innovative. * Effective communicator and work under no or minimal supervision. |
| ACADEMIC QUALIFICATIONS | **Jomo Kenyatta University of Agriculture & Technology Sep 2016 – 2019**  *MSc. Food Science and Technology.*  **Jomo Kenyatta University of Agriculture & Technology Apr 2011 – Dec 2014**  *Bachelor of Science –Food Science and Technology* **(Second Class Upper Division)**  **Sameta Boys High School Jan 2005 – Nov 2009**  *Kenya Certificate of Secondary Education (KCSE)* **B+ (73 Points)**  **Nyamecheo Primary School Feb 1996-Nov 2004**  *Kenya Certificate of Primary Education (KCPE)* Grade**: (B+) 353/500** |
| OTHER EDUCATIONAL PURSUITS | **Food Risk Analysis and Regulatory Excellence Platform (PARERA) of Université Laval April-September 2021** Award- Certificate in Methods for Analysis of Food Contaminants: Rapid Screening and Confirmatory Techniques.Kenya Bureau of Standards. 10th- 13th August, 2021Award- Internal Quality Audit Course Certificate based on ISO 17025:2017 **Kenya Agricultural and Livestock Research Organization. 14th- 18th June 2021**  **Award-** Certificate in Cereal and pulses inspection, grading and rapid mycotoxin testing course.  **Kenya Bureau of Standards**  **25th- 29th January 2021**  **Award**- Method Validation and evaluation of measurement uncertainty course for chemistry and food laboratories Certificate  **Kenya Bureau of Standards**  **13th- 15th January 2021**  **Award**- ISO/IEC 17025:2017 Implementation Course Certificate  **Kenya Bureau of Standards -National Quality Institute 13th- 16th August 2019**  **Award**- Quality Management Systems -ISO 9001:2015 Implementation Course Certificate  **Jomo Kenyatta University of Agriculture and Technology**  **Award-** Certificate in Dissemination strategies and statistical data analysis  **Training Centre in communication and German Exchange Service (DAAD) 15th- 20th October 2019**  **Award-** Scientific Communication and Publishing Certificate  **Catholic Relief Services Farmer to Farmer Program**  **June 10th- 24th 2015**  **Award**- Hazard Analysis and Critical Control Point (HACCP) Certificate  **Jomo Kenyatta University of Agriculture and Technology** **8/6/2012 to 17/6/2012**  **Award**- Certificate in Trainer of trainers in HIV and AIDS  **Hope Worldwide Kenya- July- Nov 2010**  **Award**- Certificates in Information Communication Technology (ICT), Peer education and certificate in Business Management and entrepreneurship |
| PROFESSIONAL EXPERIENCE 1a.          1b.    2.    **3.**            **6.**    **6.** | **Laboratory Analyst 2019 to Date**  **Kenya Bureau of Standards, P.O. Box 99376-80100, Mombasa**  Testing of foods to determine physical, microbiological and chemical properties. Maintenance of instruments used for testing.  Training students on attachment program.  Preparation of daily, weekly, monthly and quarterly reports.  Ensure foods comply with Kenya standards and regulations as well as international standards that have been adopted by Kenya Bureau of Standards.  **Public Service Emerging Leaders Fellow March 2022 to Date**  Under the Public Service Emerging Fellowship Programme, I have been trained on;  Building Collaborative Cultures in Government, Emotional Intelligence, Building Collaborative Cultures in Government, Managing Conflicts, Ethical Values and principles, managing ethical dilemmas in the public service, Mental health and wellness and Leadership development skills.  **MSc Student in Food Science and Technology September 2016- May 2019.**  **Jomo Kenyatta University of Agriculture and Technology, P.O Box 62000-00200**  Worked on a postharvest losses reduction project of mango fruits and trained farmers in Karurumo (Embu County) and Masii (Machakos County) on fruit processing and prevention of postharvest losses.    **Field Officer Feb 2019- March 2019**  **Innovations for poverty action, P.O Box 72427-00200 Nairobi, Kenya**  Worked on a contract with Innovations for poverty action under the SHEP PLUS (Smallholder Horticultural Empowerment Project for Local and Up-Scaling) project. The project had consecutive activities for empowering smallholder horticulture farmers and agricultural extension officers.  I administered surveys to farmers in their households using survey CTO and provided feedback during debriefs on field operations and survey instruments that informed and monitored improvements on project operations. |
| 4.  **PROFESSIONAL EXPERIENCE**    **5.**  **6.** | **Quality Control Analyst 3/5/2016 - 1/9/2016**  **Sparkfresh Company investment**  Successfully trained 21 plant employees on HACCP procedures and Good Manufacturing practices. I was responsible for water quality control analysis, directing the company`s quality control program, compiling quality control reports among other activities.  **Research Assistant 4/8/2015- 16/12/2015**  **Jomo Kenyatta University of Agriculture and Technology**   * Instrumental Analysis (HPLC, AAS, Gas Chromatography, Spectrophotometer, Calorimeter among others). * Lab Analysis; mineral and vitamins analysis, proximate composition i.e crude protein, crude fibre, fat, Moisture and ash content. * Field work and planning of day to day research activity within the framework of agreed program. * Contributed to production of research reports and publications.   **Cereal processing and Marketing Intern 3/3/2015- 12/6/2015**  Sorghum Value Chain Development Consortium (**posted at Stawi Company Limited).**   * Conducted marketing and marketing research for STAWI company products which resulted in opening of new markets. * Overseeing the production of food products at the factory where attached. * Prepared various organizational reports as assigned. |
| PARTICIPATION  IN SEMINARS, 1. WORKSHOPS, CONFERENCES    **2.**    **3.**      4.  5.        6.  .  **7.**  8 | **Attended The Sixth African Higher Education Week and RUFORUM Biennial Conference 2018, at Nairobi, Kenya.** Presented a poster that won the 5th best poster presentation out of 450 posters. The theme was: Aligning African Universities to Accelerate Attainment of Africa’s Agenda 2063.  **Attended the Nairobi Innovation Week, 2019 edition and participated through Poster presentation**. I was awarded the 3rd best poster award.  Attended **The 1st All Africa Postharvest Congress & Exhibition** from 28th to 31st March 2017 at Safari Park Hotel, **Kenya**. The theme was Food Losses and Waste: Sustainable solutions for Africa.  **Attended ``Value Chain for Nutrition Project``** 2017 Annual Planning Meeting on 8-10 March 2017, Hotel Africana-Kampala, Uganda.  **Attended The 11th JKUAT Scientific, Technological and Industrialization Conference and Exhibitions** from 10th – 11th November, 2016. The theme was Harnessing Technologies for a Prosperous Future.  **Attended a Scientific Communication and Publishing Workshop** jointly organized by the training Centre in communication and German Exchange Service (DAAD) held in Nairobi, Kenya 15-20th October 2017. Areas covered: Non-primary and primary, how to write scientific papers before you begin, how to decide where to send a MS for publication, selecting a journal for publication, structure of primary scientific article, writing process, review process, technical editing, proofreading writing conference proceedings paper, review article, Book chapter.  **Training and Networking Workshop** On Dissemination Strategies And Statistical Data Analysis For DAAD In-Country and In-Region and SLE Students In Juja, **Kenya** 18th to 19th December 2017**.** Topics addressed in the training included problems related to data management and statistics as well as dissemination and knowledge exchange strategies.  **VICINAQUA project training-** Attended a technical training session on renewable energy concepts for water treatment plants at Sino-Africa Joint research center (SAJOREC) situated within JKUAT’s main campus at Juja on 27th and 28th November, 2017. |
| **LEADERSHIP AND RESPONSIBILITY** | * **May 2016 to 1/9/2016 -**In charge **of quality Control** at Sparkfresh Investment Company. * **October 2012- October 2013**–Department Representative- Food Science and Technology. |
| **OTHER SKILLS** | Excellent analytical, writing and presentation skills both verbal & written, with full command of Power Point, MS Excel and MS Word and Outlook. |
| INTERESTS AND HOBBIES | * Participating in charity works. * Travelling and Networking. * Reading for pleasure and self-development. |
| REFEREES | Moses Nehemiah Achesa  Assistant Manager, KEBS  **P.O. Box 99376-80100, Mombasa**  Tel No: +254 727136188  Email **achesan@kebs.org**  Prof. Willis Owino  Lecturer, Food Science and  Technology Department, JKUAT  P.O. BOX 62000-00200 NAIROBI  Tel No: +254 723006204  Email. [willis@agr.jkuat.ac.ke](mailto:willis@agr.jkuat.ac.ke)  Prof. Jane Ambuko  Lecturer, Department of Plant Science and  Crop Protection, University of Nairobi,  P. O. Box 29053-00625, Kangemi,  Nairobi, Kenya  Tel No. +254 722676458  Email. [**jane.ambuko@uonbi.ac.ke**](mailto:jane.ambuko@uonbi.ac.ke) |