

PERSONAL INFORMATION

Nelius Njeri Maingi

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Female | 28/09/ 1986 | Kenyan

WORK EXPERIENCE

3rdSep 2012-Date

Senior Government chemist/analyst

Public service commission, ministry of health, Nairobi - Kenya.

- I have worked in the foods section, skills obtained include aflatoxin and other mycotoxins analysis, alcoholic beverage analysis, food grading, drug analysis among other analysis.
- Use of GC-MS, AAS, HPLC, XRD among chemical analytical methods.
- Supervision of students from various universities attached to the food section.
- I have been attached in serology/DNA section. Skilled learned include forensic DNA extraction and analysis, Forensic microscopy techniques and real time PCR analysis.
- Report writing and presenting the same at the court as a witness when called upon.

Internship

1st Feb -31st March 2011

Brookside Dairy Limited, Ruiru Kenya. www.brookside.co.ke

- Analysis of dairy products for quality assurance using wet chemistry and other analytical methods.
- Kenya pipeline company, Nairobi Kenya. www.kpc.co.ke
- Industrial attachment at the quality control laboratory.

4th Jan-30th March 2010

EDUCATION AND TRAINING

Sep 2015- March 2018

MSc. Environmental science and engineering.

Tianjin polytechnic university, Tianjin China.

- Environmental chemistry
- Desalination
- Basic Chinese language
- Thesis writing
 - Physical activation of PAN carbon fibres
 - Surface characterization using BET method, SEM, XPS and FTIR.
 - Benzene and toluene absorption using PAN- ACF
 - Research methods.

May 2008- Dec 2011

BSc. Industrial chemistry Second class honors (upper division)

Jomo Kenyatta University Of Agriculture And Technology, Thika Kenya.

- Organic chemistry
- Polymer chemistry
- Thermodynamics
- Mathematics

PERSONAL SKILLS

Mother tongue(s)

Kikuyu, Swahili

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	Excellent (C2)	Excellent (C2)	Excellent (C2)	Excellent (C2)	Excellent (C2)
Medium of instruction in all levels of Education in Kenya.					

- Communication skills**
- Good communication skills gained through my experience as an instructor on chemical identification training for East African border patrol officers.
 - Multicultural and multinational skills- masters studies in china at an international institute. Attended work related training and seminars among them one in Germany, 2014 and one in Poland 2015.
 - Team work skills- gained while working as a CBRNe instructor, also as a senior analyst in charge of a team at government chemist.
- Organisational / managerial skills**
- Leadership - I was responsible for a team of at least 4 people at the government chemist.
 - Involved in developing a curriculum for a two week course on emergency response on CBRNe.
 - Involved in organising a seminar during my master's studies.
- Job-related skills**
- Ability to work independently- while working on my master's thesis and on bachelor's degree research project since they were both individual projects.
 - Keen attention to detail- developed while working as a forensic science expert.
 - Team player- as a senior government chemist and also as a CBRNe instructor.
- computer skills**
- Good command of office suite (word, spread sheet, PowerPoint)
 - Good command of ORIGINLAB for data processing.
 - Command of MATHLAB gained during my masters studies.
- Other skills**
- Enjoy reading a good book, travelling and experiencing different cultures especially food. I also enjoy a bit of sports especially running.

ADDITIONAL INFORMATION

- Projects**
- Master's degree research project, 2018. Adsorption study of benzene and toluene on PAN activated carbon fibre.
 - Bachelor's degree research project, 2011. Entitled quality assessment of milk sold in Kenyan market.
- Conferences and Seminars**
- Membrane for energy- efficiency separations, Zachary p. smith. 10/01/2018 Tianjin polytechnic university.
 - Advances in separation membrane materials, Prof: Michael D.guiver. 12/01/2018 Tianjin polytechnic university.
 - Membrane Fouling Control and ECMR, Prof. Christelle Guigui. 16/12/2017 Tianjin polytechnic university.
 - International Education and communication on membranes, prof.Bheike Mamba. 16/12/2016 Tianjin polytechnic university.
- Honours and awards**
- Chinese government scholarship 2015-2018 to pursue master's degree course.
- Courses**
- 13-17 April 2015, regional course for analytical chemists from laboratories supporting customs services held in Warsaw Poland.
 - 17-19th Feb 2015, WMD commodity identification training. National course development and instructor training held in Voi, Kenya.
 - 12-20th August 2013, Mycotoxin analysis held in KEBS Nairobi, Kenya.
 - 5-7th august 2013, CBRNe commodity identification training- National pilot course. Held in KEMRI Nairobi, Kenya
 - 24th Sep-5th Oct 2012. Forensic toxicology course. Held in Government chemist department Nairobi, Kenya.

Referees

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