

## CURRICULUM VITAE

### PERSONAL INFORMATION

#### Redeemer Kofi Agbolegbe

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### WORK EXPERIENCE

2016 to date

#### Senior Technician

Department of Food Science and Technology, KNUST, Kumasi. Ghana ([www.knust.edu.gh](http://www.knust.edu.gh))

- Analyze mycotoxins and potential food fraud, and develop strategies to mitigate them to improve the quality of crops, human and livestock health.
- Analyze nutritional contents of food, discover and research into new food sources, and possible ways to make processed foods safe and healthy.
- Provide technical support, present and interpret results to clients and research team via writing reports, reviews and summaries as well as discuss to keeping up to date with relevant scientific and technical developments.
- Work with client and entrepreneurs who seek to start new food products and to also improve existing food lines using better approaches of processing, packaging and delivering food products.

Business or sector Research and Academic

2015 to 2016

#### Voluntary Teaching and Research Technician

Department of Food Science and Technology, KNUST. Ghana ([www.knust.edu.gh](http://www.knust.edu.gh))

- Leading undergraduate discussion, seminars, conferences and laboratory
- Participating in teaching and evaluating students
- Motivating students and enhancing their learning experience
- Performing research-related tasks

Business or sector Research and Academic

2014 to 2015

#### Voluntary Teaching and Research Technician

Department of Biochemistry and Biotechnology, KNUST. Ghana ([www.knust.edu.gh](http://www.knust.edu.gh))

- Assisting in Leading undergraduate discussion and laboratory Section
- Participating in teaching, assessing and evaluating students
- Inspiring students and enhancing their learning experience with practical approach
- Performing research-related tasks

Business or sector Research and Academic

2013 to 2014

#### National Service: Teaching and Research Assistance

Department of Biochemistry and Biotechnology, KNUST. Ghana ([www.knust.edu.gh](http://www.knust.edu.gh))

- Assisting in Leading undergraduate discussion and laboratory Section
- Participating in teaching, assessing and evaluating students
- Inspiring students and enhancing their learning experience with practical approach
- Performing research-related tasks

Business or sector Research and Academic

June - August 2010

#### Intern

Ghana Atomic Energy Commission-GAEC, Kwabenya. Ghana)  
(Radiology and Medical Research Institute, RAMSRI)

- Washing and Handling of Glasswares

## CURRICULUM VITAE

- Reagent and Solution Preparation
- Extraction of plant materials for analytical purposes
- Spectrophotometric Analysis (Antioxidant, Flavonoids, etc)
- Identification of microorganisms - Microscopy

Sept 2007 - August 2009

**Business or sector** Research and Academic

### Pupil Teacher,

Really Maranatha Schools, Dome-Accra

- Teaching, assessing and evaluating pupils
- Inspiring pupils and enhancing their learning experience through practical approach
- Head of Science Laboratory
- Executive member of the Academic Board

**Business or sector** Academic

## EDUCATION AND TRAINING

2009 - 2013

### BSc Biochemistry

Kwame Nkrumah University of Science and Technology, Kumasi. Ghana

- Medical Biochemistry, Metabolism of Drugs and Health Risk Toxicants, Statistics, Fermentation Biochemistry, Metabolism of Nutrients, Information Communication Technology, Entrepreneurship, Integrated Laboratory Methods.

## PERSONAL SKILLS

**Mother tongue(s)**

Ewe and Twi

**Other language(s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

**Communication skills**

- good communication skills gained through my experience as conference speaker, training programmes, supporting teaching of undergraduate students
- good writing skills gained as a research assistance and author for scientific papers, books etc
- good communication skills gained through my experience as a field analyst working with farmers

**Organisational / managerial skills**

- leadership (President-International Movement of Catholic Student, KNUST-Local)
- leadership (Rural Development and Educational Project (RUDEP) at Atwima Mponua District (Kuffour Camp) -Ashanti Region, Ghana)
- liaison (Member of team responsible for planning activities for Trade and Technology Fair (TRATECH)-2012, KNUST-Kumasi)
- liaison (member of team responsible for industrial support and extension works)

**Job-related skills**

- Good command of the operations of HPLC and analytical laboratory instruments
- Good command of laboratory quality control processes and Inventory Principles
- Creativity and Innovative ability (assist client and entrepreneurs to start new food product and improve existing ones)

## CURRICULUM VITAE

### Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Independent user

- good command of office suite (Word processor, Spread sheet, PowerPoint)
- good command of HPLC PowerStream data management software.

### ADDITIONAL INFORMATION

#### Projects

1. Proficiency Testing – Aflatoxin Analysis in Corn (CSSMY011-M16411A) organized by Romer Labs Diagnostic GmbH, Austria. Member Assist at Mycotoxin Lab, KNUST to successfully pass the proficiency testing. (2016)
2. Validation and adoption of a novel method of aflatoxin detection in peanut using a tablet reader under the Peanut and Mycotoxin Innovative Laboratory. Member Assist at Mycotoxin Lab in charges of sample preparation, analysis and interpretation of results. (2016)
3. Using Applied Research and Technology Transfer to Minimize Aflatoxin Contamination and Increase Production, Quality and Marketing of Peanut in Ghana under the Feed the Future Peanut and Mycotoxin Innovative Laboratory (Project No. AID-ECG-A-00-07-0001). (2014 – 2017)
4. Member assist in designing sampling plan, analysing and interpretation of aflatoxin results from over 40 farmers from 9 villages across Ghana across the supply chain (2014 – 2017)

#### Memberships

1. Food Research Team, Food Science and Technology Department – KNUST

#### Honours

1. President, International Movement of Catholic Students – KNUST (IMCS PAX – ROMANA-KNUST LOCAL)

#### Courses

1. Laboratory Leadership and Management Workshop (Fundamentals of Laboratory Management) by Central Laboratory, KNUST, Kumasi with Support from the Building Stronger

## CURRICULUM VITAE

- Universities II (BSU II) Project. (14th – 16th November, 2016)
2. Analytical Method Development Workshop (Sample Preparation, Clean-up, Method Development and Troubleshooting in Liquid and Gas Chromatography) by Central Laboratory, KNUST, Kumasi under the Building Stronger Universities II (BSU II) Project. (14th – 16th November, 2016)
  3. Skill Building and Professional Development Workshop for Research Technicians organized by USAID/BHEARD) at KNUST, Kumasi (24 – 30th July, 2016)
  4. Introduction Course to ISO/IEC 17025 Laboratory Quality Management organized by Ghana Standards Authority (GSA). Accra. (December 11th – 12th, 2018)

### Reference

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## ANNEXES

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- BSc Biochemistry Certificate
- Poster: Validation and adoption of a novel method of aflatoxin detection in peanut using a tablet
- Certificate of Participation – Analytical Method Development Workshop
- Certificate of Participation – Laboratory Leadership & Management Workshop
- Certificate of Participation – Rural Development and Educational Project-2011
- Certificate of Participation – Rural Development and Educational Project-201
- Certificate of Participation – GBSA-KNUST Trade and Technology Fair (TRATEC)-2012
- Certificate of Participation – Introduction Course to ISO/IEC 17025 Laboratory Quality Management
- Certificate of Participation – Students in Leadership Seminar, 2012
- Certificate of Participation – Occupational Health and Safety Management