

Onyinye Ezeh

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Summary

I am a self-motivated, dependable and meticulous professional with strong education background in chemical engineering and food bioprocessing who has published articles in recognised science journals and awarded Processing Division Student Award by AOCS.

With international experience in food manufacturing industry as well as voluntary activities, I have perfected my communication, interpersonal, problem solving and cross-cultural skills, while being Vice President and President of a Student Body for 2 years has honed my leadership skills.

Professional Experience

Research and Development Scientist, Apetito (UK) Oct 2016– Feb 2017

- Identified nutritional and health challenges faced amongst older adults to provide information to the wider business.
- Consulted with different business teams, and external experts on current challenges faced within the business and presented research solutions to board of directors.

Technical Assistant, Compleat Food Network, Newbury (UK) Mar – Sept 2016

- Completed specifications to customer formats including major UK retailers.
- Maintained internal systems and records, and conducted internal audits to retain BRC compliance status.

Miller Assistant, Honeywell Flour Mills, Plc. (Nigeria) Jul – Aug 2011

- Trained meticulousness by monitoring and supervising a section of the flour mill.
- Improved efficiency of production rates by carrying out routine checkup, identifying equipment failures and restoring the mill to working state.
- Enhanced oral and written communication skills by communicating with team mates and supervisors and writing monthly reports on the overall problems in the mill and possible recommendation for future implementation.

English Tutor, SD Hj Isriati Elementary School, Semarang (Indonesia) Jan – Feb 2011

- Improved cross-cultural skills by coordinating with local teachers to plan and deliver English lessons as foreign language.

Teaching Assistant, St Saviour's and St Olave's London (UK)

Jul 2009

- Honed oral communication and problem solving skills by coordinating with tutors to plan Mathematics lessons and delivering them.

Quality Assurance Assistant, SCC Waste Treatment WUPA Plant,
Abuja (Nigeria)

Jul – Aug 2007

- Improved data handling and processing ability by gathering and analysing data for waste and treated water to track the progress of water treatment in the different stages throughout the plant, to ensure correct protocols were being followed.
- Measured water quality parameters such as pH and biological oxygen demand.

Education

University of Reading (Reading, UK)

2012 – 2016

PhD in Food and Nutritional Sciences

Title of Dissertation: *Edible Oil from Tiger Nut (Cyperus esculentus): Mechanical Pressing and Aqueous Enzymatic Extraction*

Imperial College (London, UK)

2008 – 2012

MEng in Chemical Engineering (with a year abroad in Australia)

Title of Thesis: *Propanolol Plant Production Process Design*

Additional Information

- **Languages:** English (fluent), Igbo (basic).
- **IT skills:** Microsoft Office (Word, Excel, PowerPoint, Outlook).
- **Key skills:**
 - Public speaking, interpersonal & communication
 - Leadership, teamwork & problem solving
 - Multitasking & meticulousness
- **Affiliation:** AOCS (American Oil Chemists' Society).
- **Award:** AOCS Processing Division Student of the Year (2014).
- **Presentation:**
 - Mechanical Pressing of Tiger Nut Oil: Effect of High Pressure Processing and Enzymatic Pre-treatment on Oil Recovery, AOCS Annual Meeting 2015, Florida, 03 May 2015.

▪ **Publications:**

- Ezeh, O., Gordon, M. H., & Niranjana, K. (2014) "Tiger nut oil (*Cyperus esculentus* L.): A review of its composition and physico-chemical properties." *European Journal of Lipid Science and Technology*, 116, 783-794.
- Ezeh, O., Gordon, M. H., & Niranjana, K. (2016) "Enhancing the recovery of tiger nut (*Cyperus esculentus*) oil by mechanical pressing: Moisture content, particle size, high pressure and enzymatic pre-treatment effects." *Food Chemistry*, 194, 354-361.
- Ezeh, O., Gordon, M. H., & Niranjana, K. (2016) "Effect of Enzyme Pre-treatments on Bioactive Compounds in Extracted Tiger Nut Oil and Sugars in Residual Meals." *Journal of the American Oil Chemists' Society* 93(11).

- **Extra Curricular Activities:** Vice President (2013-2014) and President (2014-2015) of the Reading University Nigerian Students' Society (Student Body), UK.