

# YAW AGYEI GYASI

Department of Food Science and Technology, Kwame Nkrumah University of Science and Technology (KNUST), Ghana

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## EDUCATION

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- 2022 – 2023**      **MSc. Food Quality Management**, Institute of Distance Learning  
KNUST, Ghana.  
*Thesis:* Evaluation of the efficiency of Pineapple Rind Vinegar as a Sanitizer for Lettuce (*Lactuca Sativa*).
- 2015 – 2019**      **BSc. (Hons) Laboratory Technology (Second Class Upper Division)**  
University of Cape Coast, Ghana  
*Dissertation:* Effect of Crude trona (as a food additive) on *Bacillus amyloliquefaciens*

## EMPLOYMENT/TEACHING EXPERIENCE

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- October, 2020 – Present:**      **Senior Technician, Food Microbiology & Fermentation Lab**  
**Department of Food Science and Technology, KNUST**
- Responsible for general management of the laboratory
  - Demonstrate Food microbiology Practical sessions to students
  - Analyse microbiology parameters on commercial products submitted for testing
- Sept., 2019 – August, 2020:**      **Teaching and Research Assistant, Food Chemistry Lab**  
**Department of Food Science and Technology, KNUST**
- Prepared and Demonstrated laboratory practical in food chemistry
  - Graded lab reports for first and second year students
  - Provided support for research in Food chemistry

## RESEARCH PUBLICATION

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- Awewomom, J., Peasah, M., **Agyei Gyasi, Y.**, Takyi Duodu Y., Achagwe Antwi, S., Ayisi-Larbi, S., Opoku Adomako, K., Opoku, F., Osei Akoto (2023) Public Health Implications of Household Water Sources in the Kumasi Metropolis, Ghana. A Case Study. (Research Square Preprint)  
<https://doi.org/10.21203/rs.3.rs-3203831/v1> (Manuscript under peer review)

## OTHER PUBLICATIONS

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### Books Published on Amazon and other Digital stores

1. **The Art and Science of Yoghurt Production (2023)** by Yaw Agyei Gyasi. Compilation of a number of Standard operating Procedures and other Practices for Quality Assurance.
2. **Food Microbiology Lab Manual (2023)** by Yaw Agyei Gyasi. Compilation of standard methodologies for microbial analysis of food and presentation of results for research.

## Exhibitions

1. Exhibition on **Vinegar produced from Fruit waste**, KNUST Food Festival 2023
2. Exhibition on **Kenkey Flour produced from controlled spontaneous fermentation**, KNUST Food Festival 2020

## SKILLS

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<b>Lab Techniques:</b>	Proximate Food Analysis, Food Chemical analysis, Food and Water Microbiology analysis, Rapid Visco Analysis, Colorimetry, AA, UV-Vis Spectroscopy, Food Stability Studies
<b>Analysis Software</b>	Microsoft Excel, SPSS 22, Stats Graphics 19, Image J
<b>Soft Skills</b>	Lean 6-Sigma, Project and People Management, Leadership

## OTHER PROFESSIONAL CERTIFICATES

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- **Lead Auditor for ISO/IEC 17025:2017 Laboratory Quality Management Systems** by Chartered Quality Institute, International Register of Certified Auditors (IRCA) Course - July 2023
- **Master Class in Setting up an Effective Food Safety System** by Food Safety Works Training Academy, India - May, 2021
- **Grant Proposal Writing (2021)** by AuthorAid at INSAP, Oxford, UK - May, 2021
- **Research Writing in the Sciences (2021)** by AuthorAid at INSAP - May, 2021
- **Certificate in Dairy Products: Standards, Quality, Safety, Nutritional and Health Assurance** by Food Safety Works Training Academy - April, 2021
- **Cell Culture**, Eppendorf Asia Pacific Webinar on **Contamination Prevention and Scale-up in Cell Culture** - April, 2021

## COMMUNITY SERVICE

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### UNIVERSITY - KNUST

**December, 2022 – Present: Member - Research committee** for College of Science Technician Association (COSTA) – KNUST

**October, 2022: Member - Electoral Commission** for COSTA – KNUST

**August, 2022: Member – Review of Draft Constitution** for COSTA – KNUST

**September, 2021: Event coordinator** – Training in yoghurt production for 84 MasterCard Foundation Scholars

## LEADERSHIP

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March, 2022 – Present	<b>Secretary, National Union of Baptist Students Alumni Association of Ghana</b> Collated database of 237 alumni from UCC from 2008 year group to 2022
June, 2015 – Present	<b>Co-founder, Saved With Amazing Grace Incorporated, Ghana (Interdenominational Music Group)</b> Organized a music & charity event at SOS children's village, Asokore Mampong in Kumasi in December, 2018, 2019 and 2020
2018 - 2019	<b>President, National Union of Baptist Students – University of Cape Coast local (NUBS – UCC)</b> Organized 3 groups of students for mission and medical outreach to Nzema and Azuleti, Western region.
2017 -2018	<b>Financial Secretary, Laboratory Technology Students Association of Ghana (LABSTAG – UCC)</b> Headed a committee for the organization of a food hygiene campaign and a collaborative seminar with other tertiary institutions on “The prospect of the Laboratory Technologist in Education and Energy” during LABSTAG 17 <sup>th</sup> Week Celebration.

## INTERESTS

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- Reading and writing digital content.
- Listening and watching TED podcasts and videos.