CURRICULUM VITAE



PROF. JACOB KWAKU AGBENORHEVI

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

Status: Professor

EDUCATION

2009-2012: **PhD in Food Science,** University of Huddersfield, UK.

2007-2008: **MSc. Nutrition and Food Sciences (Distinction)**, University of Huddersfield, UK.

2002-2006: **BSc. (Hons) Biochemistry (Second Class Upper Division),** Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana.

1999-2001: **Senior Secondary School Certificate (SSSCE)**, Accra Academy, Kaneshie-Accra.

SCHOLARSHIPS/GRANTS AWARDED

2024-2026: **AAKTP Award (KTP13910): African Knowledge Base Lead Academic.**
2024-2025: **KNUST Research Fund (KReF9/24/163/M1) Award 2024: Co-Investigator.**
2023-2024: **KNUST Research Fund (KReF8/23/183/S7) Award 2023: Co-Investigator.**
2023: **DC13 IUPAP IYBSSD- 2023 Award.**
2022-2023: **KNUST Research Fund (KReF7) Award 2022: Co-Investigator.**
2021-2022: **KNUST Research Fund (KReF6) Award 2021: Co-Investigator**.
2020-2021: **KNUST Research Fund (KReF5) Award 2020: Co-Investigator**.
2019: **Commonwealth Alumni Project Fund 2019 Award**.
2019: **UHAS Research Fund -Investigator-Led Category, Co-Investigator.**
2017-2018 **KNUST Research Fund (KReF) Award 2017: Co-Investigator**.
2016: **The George Weston Limited, Canada Fellowship Award**, Association of Commonwealth Universities (ACU**) Titular Fellowships 2016 Award**.
2016-2017: **KNUST Research Fund (KReF) Award 2016: Principal Investigator.**

2015: **The Netherlands Fellowship Programme (NFP) Scholarship Award 2015**, The Centre for Development Innovation, Wageningen University, 14 -25 September 2015.
2019-2011: **PhD Scholarship Award,** University of Huddersfield, UK.
2007-2008: **Commonwealth Shared Scholarship Award**, University of Huddersfield, UK.
1999-2001: **Ghana Government Scholarship Award,** Accra Academy.

RESEARCH AREAS

- Food Chemistry (composition and analysis)
- Food Biopolymers (polysaccharide/protein systems) and Rheology
- Food Bioactive Compounds and Functional Foods
- Food Product Development
- Food Safety, Nutrition and Health

SUPERVISION OF STUDENT PROJECTS

- Successfully supervised **10 PhD, 10 MPhil, 55 MSc and 83 BSc Students/Theses**
- Currently- 6 PhD, 6 MSc and 5 BSc Students.

EMPLOYMENT/TEACHING EXPERIENCES

Aug. 2024-Date: **Professor** – Department of Food Science and Technology, KNUST-Kumasi, Ghana.

Aug. 2021-Jul. 2024: Associate Professor – Department of Food Science and Technology, KNUST-Kumasi, Ghana.

Aug. 2017-Jul. 2021: Senior Lecturer – Department of Food Science and Technology,

KNUST-Kumasi, Ghana.

Aug.-Dec.2017: **Part-Time Lecturer –** Department of Chemical Sciences, University of Energy and Natural Resources (UENR), Sunyani, Ghana.

- Taught Food Chemistry and Analysis, General Biochemistry, Quality Control and Assurance.

Aug. 2012-Jul. 2017: Lecturer – Department of Food Science and Technology, KNUST-Kumasi, Ghana

- Taught Food Chemistry, Food Analysis, Food Enzymology, Food Sensory Evaluation and Analysis, Physical Chemistry of Foods, Techniques in Laboratory Analysis, Managing Organic Foods, Food Commodities: Systems and Technology, Basic Biochemistry for Food Scientists, Food Rheology, Postharvest Management, Product Development, Food Systems Research /Research Project and Seminar

2009-2011: **Teaching Assistant** – Division of Biological Sciences & Nutrition, University of Huddersfield, UK.

- Taught/demonstrated and supervised laboratory practicals in Food Sciences and Product Development to Master's and Undergraduate students.
- Provided supervision, support, and proofreading for Dissertations for 3 Undergraduates and 7 Master's Students.
- January – March 2009: Taught and assessed the second year Undergraduates (BSc Food, Nutrition and Health & BSc Nutrition and Public Health) on the modules: Sensory Analysis and Product Development-SIF2011 & Food Science and Product Development-SIF2016.

Aug. 2006-Aug. 2007: **Teaching and Research Assistant** - Department of Biochemistry & Biotechnology, and Department of Food Science & Technology, KNUST-Kumasi, Ghana.

- Conducted laboratory practicals, tutorials/lectures, and seminars for the Undergraduates.
- Provided supervision, support, and proofreading for Dissertations for 10 Undergraduates in their projects.
- Assisted my supervisors in administrative work and scientific report writing.

May-Jul. 2005: **Teacher** - St. Jerome Senior High School, Abofour-Kumasi, Ghana.

- Taught SSS1, 2 & 3 Integrated Science.

Feb.-Aug. 2002: **Teacher** – CTS International School, Madina-Accra, Ghana.

- Taught JSS1, 2 &3 Mathematics, Integrated Science, Agricultural Science and Social Studies.

COMMUNITY SERVICES

UNIVERSITY/KNUST

Nov. 2025-Date: **Head – Department of Food Science and Technology,** KNUST-Kumasi.

Oct. 2025: **Member – Committee to Investigate the Circumstances Leading to the Loss of Key for College Toyota Hilux**, College of Science, KNUST.

July 2025: **Member – Committee on Proposal for Establishment of a Third (3rd) Faculty in the College of Science**, College of Science, KNUST.

Mar. 2025-Date: **Team Leader – Food Systems** of TRANS-SAHARA Project**,** Technology Consultancy Centre, KNUST-Kumasi.

April-May 2025: **Chairman – Planning Committee for 2025 Convocation Fun Games,** KNUST-Kumasi.

Nov. 2024-Date: **Chairman – Independence Hall Council,** KNUST-Kumasi.

October 2024: **Cognate Representative of the College of Science on the College of Agriculture and Natural Resources (CANR) Board**, KNUST-Kumasi.

May 2024: **Coordinator & Facilitator – Short Course in Applied Rheology,** FST-KNUST.

April-May 2024: **Chairman – Planning Committee for 2024 Convocation Fun Games,** KNUST-Kumasi.

Jan.-Mar. 2024: **Acting Head – Department of Food Science and Technology,** KNUST-Kumasi.

Jan. 2024-Date: **Chairman – Complaints Committee, FST Lab,** KNUST-Kumasi.

Jan. 2024-Date: **Chairman – Peer and Professional Evaluation of Teaching,** Dept. of Chemical Engineering, KNUST-Kumasi.

May-Jul 2023: **Member – Review of Draft University Statutes Committee for Council of Convocation,** KNUST-Kumasi.

Apr. 2023-Date: **Chairman – College of Science Media and Web Committee,** College of Science, KNUST.

April-May 2023: **Chairman – Planning Committee for 2023 Convocation Fun Games,** KNUST-Kumasi.

Mar.-Oct. 2023: **Chairman –Local Sub-Committee of the 10th KNUST Summer School,** College of Science, KNUST.

Feb.-Oct. 2023: **Member – 10th KNUST Summer School Committee,** KNUST.

Nov. 2022-2024: **Independence Hall -Council Member,** KNUST.

Oct. 2022-2023: **Chairman – Meals Planning and Implementation Committee,** 32nd Christof Heyns African Human Rights Moot Court Competition, Faculty of Law, KNUST**.**

Sep. 2022-2024: **Professorial Representative** of the Faculty of Biosciences on the College Board**,** College of Science- KNUST**.**

Apr. 2022-2024: **Member – Curriculum Development and Marketing Unit Committee (CDMU),** Institute of Distance Learning (IDL), KNUST.

Apr. 2022-Date: **Member – Committee to Develop the proposed KNUST International Centre (KIC),** International Programmes Office (IPO), KNUST.

Mar. 2022-Date: **Mentor/Counsellor** for Residents of Independence Hall Rooms 49A-52A/78M-82M, Independence Hall, KNUST.

Feb.-May 2022: **Coordinator – College of Science Exhibitions** during KNUST 70th Anniversary Science and Technology Exhibition Committee, KNUST-Kumasi

Feb.-May 2022: **Member – KNUST 70th Anniversary Science and Technology Exhibition Committee,** KNUST-Kumasi

Feb.2021: **Reviewer –** Proposal submitted to 6th KNUST Research Fund (KReF), Office of Grants and Research, KNUST

2020- 2022: **Chairman – Department Website Management Committee,** KNUST-Kumasi.

Feb. 2020: **Chairman – Planning Committee for 2020 Convocation Games,** KNUST-Kumasi.

2020-2021: **Member – Council of Convocation -** KNUST-Kumasi.

Dec. 2019-Feb. 2020: Chairman – KNUST Food Festival 2020, KNUST-Kumasi.

Dec. 2019-Jul. 2021: Chairman – College Web Management Committee, College of Science-KNUST.

2019-2024: **Member – College of Science Seminars and Conferences Committee,** College of Science-KNUST.

Dec. 2019-2023: **Member – College Time-Tabling Committee,** College of Science-KNUST.

Dec. 2019-Mar. 2020: Vice Chair – LOC-ACU NEXTGEN2020 WORKSHOP, IPO-KNUST.

Mar.- Apr. 2019: **Member – KNUST Exhibition Committee,** for Innovation and Technology Exhibitions: Chancellors Week Celebrations 2019, KNUST-Kumasi

29 Oct.- 2 Nov. 2018: **Participant in the Leadership and Change Management Training of Trainers Workshop,** USAID AfricanLead, KNUST-Kumasi.

23-24 Oct. 2018: **Participant – Workshop on Validation and Institutionalization of the Champions for Change Leadership Course into the University Curriculum,** USAID AfricanLead, QAPU-KNUST, Kumasi.

Sep. 2018-2022: **Web Content Manager –** College of Science, KNUST-Kumasi.

Aug. 2018-2023: **Examinations Officer –** Department of Food Science and Technology, KNUST.

Jun. 2018-Date: **Coordinator – Congregation Exhibition,** College of Science, KNUST.

Apr. 2018- Jan. 2020: Member – Security Services Management Committee, KNUST

Jan.-Feb.2018: **Returning Officer –** KNUST Alumni Campus Chapter Elections**.**

Jan.-Feb. 2018: **Master of Ceremony & Member/Secretary - Local Organizing Committee of KNUST Food Festival and Conference** 14 February 2018 at the Great Hall Conference Room/Royal Parade Grounds, KNUST-Kumasi.

Jan. 2018-Dec. 2019: Member – Council of Convocation - KNUST-Kumasi.

Nov. 2017-2019: **Member – Independence Hall 60th Anniversary/Home Coming Committee –** Independence Hall-KNUST.

Oct. 2017-2019: **Chairman – Event/Short Course Committee -** Department of Food Science and Technology, KNUST.

Oct. 2017-2022: **Member – Syllabus/New Programme Committee, Product Development and Sensory Evaluation Committee, Memorandum of Understanding (MOU) Committee -** Department of Food Science and Technology, KNUST.

Sep. 2017-Date: **Alumni Coordinator for the College of Science –** KNUST Alumni Association, KNUST.

Aug. 2017: **Sub Peer Group (SPG) Leader** – 7th KNUST Summer School, 21-25 August 2017, Great Hall, KNUST.

Jul. 2017-Jul. 2018: **Assistant Examinations Officer –** Department of Food Science and Technology, KNUST.

Jun. 2017: **Reviewer –** Proposal submitted to 3rd KNUST Research Fund (KReF), Office of Grants and Research, KNUST

Jun.-Jul. 2017: **Coordinator – 51st Congregation Exhibition,** College of Science, KNUST.

Mar.- Jul. 2017: **Chairman – 51st Congregation Exhibition Committee -** Department of Food Science and Technology, KNUST.

Dec. 2016-2019: **Member – College Office of Grants and Research Committee, KNUST.**

Sep. 2016-2019: **Member – College of Science Graduate Committee, KNUST.**

Aug. 2016: **Rapporteur – 6th KNUST Summer School**, 5-18 August 2016, Great Hall & CCB Auditorium, KNUST.

Jul. 2016: **Rapporteur – 3rd College of Science Research Retreat,** 14-17 July 2016, Pempamsie Hotel & Conference Centre, Cape Coast.

Jun. 2016 -2019: **Coordinator & Facilitator – Handmade/Artisanal Chocolate Making Short Course,** 20-24 June 2016 & 19-22 June 2017. Department of Food Science and Technology, KNUST.

Jun. 2016 - 2019: **Member – Award Scheme Committee,** Department of Food Science and Technology, KNUST, Kumasi, Ghana.

Nov. 2015-2022: **Web Content Manager -** Department of Food Science and Technology, KNUST-Kumasi.

Sep. 2015-2018: **Member – BSc. /MSc. Food and Agribusiness Curriculum Development Committee –** Department of Food Science and Technology, KNUST, Kumasi, Ghana.

Jun. 2015 – Date: **Coordinator & Facilitator – Food Hygiene Certificate Short Course**

- Food Hygiene Certificate Short course organized for Volta Serene Hotel Staff, Ho, 22-23 May 2023.
- Food Hygiene Certificate Short course organized for the Kitchen, Food and Beverage staff of Aqua Safari Resort, Ada June 2019/Aug.2022.
- Food Hygiene Certificate Short course organized for 25 food handlers/staff of of Engineering Guest House, KNUST on 18-20 September 2018.
- Food Hygiene Certificate Short course organized for 25 food handlers/staff of Samartex Timber & Plywood Company Ltd., Samreboi, Nov.2016/Jun. 2022.
- Food Hygiene Certificate Short course organized for food handlers/vendors and individuals at Obuasi 2-4 December 2015.
- Food Hygiene Certificate Short course organised for 60 food handlers/staff of Ellbells Catering and Logistics Company Ltd., Tarkwa on 5-6 September 2015.
- Food Hygiene Certificate Short course organized for food vendors on 25-26 June 2015, 27-28 August 2015 and 7-29 September 2017. Department of Food Science and Technology, KNUST.

May 2015: **Member – College of Science Innovation and Technology Fair Sub-Committee –** College of Science, KNUST.

Sep. 2014: **Invited Speaker** on the topic: Careers and Opportunities in Food Science and Technology to the students on 24 September 2014, KNUST-Kumasi. **–**Association of Food Science and Technology Students (AFSTS).

Jul. 2014: **Coordinator & Facilitator – HACCP Food Safety Short Course** on 7-12 July 2014, Department of Food Science and Technology, KNUST.

2014: **Member – Syllabi Review Committee,** Department of Food Science and Technology, KNUST. Reviewed/revised the BSc, MSc, and MPhil Food Science and Technology programmes and presented to the Academic Board.

Aug.2013-2016: **Undergraduate Internship Placement Coordinator,** Department of Food Science and Technology, KNUST.

2013-2018: **Postgraduate Coordinator,** Department of Food Science and Technology, KNUST, Kumasi

Sep. 2014-2018: **Coordinator and Facilitator - Graduate Skills Development Course** for Postgraduate Students, Department of Food Science and Technology, KNUST, Kumasi, Ghana.

Jul. 2013-2017: **Member of Teaching Faculty/Facilitator** on Short Course in Food Extrusion Technology, KNUST and Premium Foods Ltd., Kumasi, 8-13 July 2013. Taught on Extruded product analysis – Instrumental (Texture analysis, Rheology) and Sensory Evaluation.

Aug. 2013-2018: **Member of Teaching Team/Facilitator** on Short Course in Nutrition & Dietetics, KNUST. Taught Introduction to Food Science, Nutrient losses during food processing, Hazards in Foods and Food Labelling.

2013-Date: **Independence Hall Fellow,** KNUST-Kumasi**.**

2013-Date: **Internal Examiner,** Department of Food Science and Technology, KNUST, Kumasi, Ghana. Examined PhD, MPhil and MSc. theses and viva voce.

2012-Date: **Academic Tutor,** Department of Food Science and Technology, KNUST, Kumasi, Ghana.

NATIONAL

Jul. 2026: **Special Guest/Keynote Speaker –**Samuel and Emelia Brew-Buttler Research Grant-SRC/GRASAG, UCC Research Grant, 2025/2026 Awards Ceremony, UCC, Cape Coast.

Jun. 2026: **Specialist on Promotion Panel –** CSIR, Accra.

Mar. 2026: **Chairman – Panel of Assessors** – GTEC - Assessment for accreditation of programme at University of Cape Coast, Cape Coast.

Mar. 2026-Date: **Co-Chair –** Ghana Young Academy

May 2025: **Participant – Okra Market Segmentation and Target Product Profiling Workshop,** CSIR-Crops Research Institute in partnership with World Vegetable Centre, Vision for Adapted Crops and Soils (VACS) Breeding, Okra Ghana Project, Fumesua-Kumasi, 28-29 May 2025.

Mar. 2025: **Chairman – Panel of Assessors** – Ghana Tertiary Education Commission (GTEC) - Assessment for programme accreditation at UDS, Tamale.

Feb. 2025: **Participant – Technology and Innovation Roundtable Workshop,** Ministry of Environment, Science and Technology, Ghana Jobs And Skills Project, MEST, Accra, 11-13 February, 2025.

Dec. 2024: **Chairman – Panel of Assessors** – Ghana Tertiary Education Commission (GTEC) - Assessment for programme accreditation at UCC, Dominase, Kumasi.

Nov. 2024-Date: **External Assessor –** University of Health and Allied Sciences (UHAS), Ho.

Feb. 2024-Date: **External Assessor –** Accra Technical University (ATU), Accra.

Jan. 2024-Date: **External Examiner –** University of Ghana, Legon.

Nov. 2023: **Chairman – Panel of Assessors** – GTEC - Assessment for accreditation of programme at University of Cape Coast, Cape Coast.

Oct. 2023-Date: **Subject Area Editor –** Journal of the Ghana Science Association (JGSA).

Sep. 2023: **Chairman –**The Celebration of 20th Anniversary of *Science Education in Armed Forces Senior High Technical School (*AFSHTS). Theme: 20 years of science education in AFSHTS: Achievement, challenges and the way forward. 23 September 2023.

Aug. 2023: **Chairman –**92nd Anniversary Symposium. Inauguration and Handing Over Ceremony. Theme: Four men of character: The Distinction Factor of Life to Develop and Nurture. AAOBA KNUST/Kumasi Chapter/AAOBA Associates KNUST. 5 August 2023.

Aug. 2023: **Chairman – Panel of Assessors** – Ghana Tertiary Education Commission (GTEC)- Assessment for accreditation of programme at University of Cape Coast, Cape Coast.

May 2023: **Coordinator & Facilitator – Food Hygiene Certificate Short Course** organised for the staff of Volta Serene Hotel-Ho, 22-23 May 2023.

Feb. 2023-Date: **External Assessor –** Ghana Atomic Energy Commission (GAEC).

Jan. 2023: **Resource Person –** Sustainable STEM Education Conference, Speaker on the Topic: *Emerging trends in Science Education in a dynamic academic environment in institutions of higher learning*, AFSTHS, Kumasi.

Oct. 2022-Date: **Expert Assessor –** Ghana Tertiary Education Commission (GTEC)

Aug. 2022-Date: **Moderator –** College of Health and Well-Being, Kintampo.

Jul. 2022-Date: **Hon. General Secretary**, Ghana Association of Food Scientists and Technologists (GhAFoST).

May 2022-Date: **External Examiner –** Akenten Appiah-Menka University of Skills training and Entrepreneurial Development (AAMUSTED), Kumasi.

Jan. 2022-Date: **External Examiner –** Ho Technical University, Ho.

Nov. 2021-Date: **External Assessor –** University of Cape Coast (UCC), Cape Coast.

Oct. 2021: **Chairman - Panel of Assessors** – National Accreditation Board. Assessment for Accreditation of Programme at College of Health and Well-Being, Kintampo.

Oct. 2020/Jun. 2021: **Panel of Assessors –** National Accreditation Board. Assessment for Accreditation of Programme at Tamale Technical University (TaTU), Tamale.

Mar. 2020: **Panel of Assessors –** National Accreditation Board. Assessment for Accreditation of Programme at University for Development Studies (UDS), Nyankpala Campus.

Feb. 2020: **External Examiner –** University of Cape Coast (UCC), School of graduate Studies, UCC-Cape Coast, Ghana

Dec. 2019-Date: **External Examiner –** for the Department of Hospitality and Tourism Education, University of Education (UEW), Winneba, Ghana/AAMUSTED, Kumasi.

Nov. 2019: **Assessor –** Assessment of Maths and Science for the 4th (Ghana Association of Writers (GAW) Library Awards, GAW, Accra- Ghana.

2019-2020: **Facilitator –**Postharvest and Value Addition in the KNUST-ENI "Okuafo Pa Agribusiness Youth Training Project at Kyeremasu, in the Dormaa East District of the Bono Region.

Oct. 2019-2021: **Member –** 9th KNUST Summer School Committee for 2020/2021, KNUST-Kumasi

Oct. 2019: **External Assessor –** Research Grade Promotion**,** Council for Scientific and Industrial Research (CSIR), Accra-Ghana.

2019 –2023: **President –** Ghana Science Association Kumasi Branch

Mar. 2019: **Panel of Assessors –** National Accreditation Board. Assessment for Accreditation of Programme at Sefwi-Asafo Nursing Training College.

Mar. 2019: **External Examiner –** Department of Agro-Processing Technology and Food Biosciences, CSIR College of Science and Technology, Accra Campus.

Mar.-Apr. 2019: **Chairman – Local Organizing Committee** of the Ghana Science Association (GSA) Kumasi Branch. Planned and organized the 8th GSA Research Seminar and Poster Presentations on 1st May 2019, College of Science/Allotey Auditorium, KNUST.

31 Jan. 2019: **Facilitator –** CSFP Alumni Reintegration Workshop by the British Council.

Jul. 2018: **Keynote Speaker –** First Annual Health, Safety and Environment (HSE) Conference, Holiday Inn Hotel, Accra

Jun. 2018: **External Assessor –** University of Development Studies (UDS), Tamale.

Jan. 2018: **Facilitator –**CSFP Alumni Reintegration Workshop by the British Council January 2018.

Jan.-Aug. 2018: **Chairman – Local Organizing Committee** of the 16th Biennial Workshop of the Ghana Science Association (GSA).

Apr. 2018: **Chairman – Local Organizing Committee** of the Ghana Science Association (GSA) Kumasi Branch. Planned and organized the 7th GSA Research Seminar and

Poster Presentations on 18 April 2017, College of Science/Allotey Auditorium, KNUST.

2017-2023: **Member – National Executive Committee (NEC)** of the Ghana Science Association.

2017-2023: **Editor - Everyday Science for Schools (ESS) Magazine** of the Ghana Science Association

Jul. 2017: **Chairman – Communique Drafting Committee** of the 30th Biennial Conference of the GSA being held at the Koforidua Technical University (KTU), 24-27July 2017.

Feb.-Apr. 2017: **Chairman – Local Organizing Committee** of GSA Kumasi Branch. Planned and organized the 6th GSA Research Seminar and Poster Presentations on 12 April 2017, College of Science/Allotey Auditorium, KNUST.

2014-2018: **Scientific Committee Member –** Ghana Biomedical Convention (GBC)

May 2016: **Resource Person/Keynote Speaker – Climate Change and Food Security Conversations programme** organised by Commonwealth Scholars and Fellows Alumni, Ghana (CoSFAG), PRESEC-Legon, 21 May 2016. Presented on Food Security - Strengthening your insight to reduce food loss and food waste.

Mar. 2016: **Guest Speaker – Akame R.C. Schools 70th Anniversary Celebration.** Guest Speaker on the Theme "The Role of the School Physical Environment on the child's development. 26 March 2016, Akame School Park.

Nov. 2015-Jul. 2017: **Assistant Editor of Everyday Science for Schools (ESS) Magazine** of the Ghana Science Association (GSA).

Jan. 2016: **Master of Ceremony & Member – Local Organizing Committee of 1st National Conference on Food Fraud** on 27 January 2016 at the College of Science Auditorium, KNUST, Kumasi.

2014: **Chairman – Local Organizing Committee of the Ghana Science Association Kumasi Branch.** Planned and organized the 3rd One-Day Research Seminar and Poster Presentations held on 16 April 2014 at the College of Science Auditorium, KNUST. The Theme for the Conference was "Science and Technology: Turning Research into Solutions.

2013: **Master of Ceremony –** Ghana Nutrition Association Annual General Meeting on the theme: Diet and Lifestyle in the prevention and management of chronic diseases. 22 November 2013, KNUST-Kumasi.

2013: **Organizing Secretary –** Ghana Nutrition Association Kumasi Branch

2013: **Member – Planning & Organizing Committee** of the Ghana Nutrition Association, Kumasi Branch. Planned and organized the Annual General Meeting (AGM) held on 22 November 2013 at KNUST-Kumasi.

2014: **Reviewer,** Kumasi Polytechnic Journal of Applied Sciences, Technology and Management (JASTMA).

INTERNATIONAL

May 2026: **Lead – Working Group** for Teaching and Education Under the United Nations Academic Impact (UNAI) SDG2 Hub**,** IPO-KNUST.

Feb. 2026: **Participant – Master's Design Workshop and UNAI SDG2 Hub Planning Session** hosted by EARTH University in Costa Rica, 2 -5 February 2026.

Aug. 2025: **Participant – Okra Working Group Workshop,** Vision for Adapted Crops and Soils (VACS) Project, World Vegetable Centre, IITA, Cotonou, Benin, 12 -13 August 2025.

Jan. 2024-Date: **Associate Editor –** for Food Biophysics, Springer Nature.

Aug. 2023: **Assessor – ACU Fellowships 2022/2023,** The Association of Commonwealth Universities (ACU).

Jan. 2023: **Speaker/Facilitator** on "*Soft Skills Development for Employability*" **–** Commonwealth Welcome Home Event in Ghana, Commonwealth Scholarships Commission (CSC) /British Council.

Sep.-Oct. 2022: **Ambassador/Mentor –** Mentorship on Access to Commonwealth Scholarships, 2023 Commonwealth Scholarships promotion, CSC UK

2021-2023: **CSC Alumni Advisory Panel –** CSC UK

2021-2022: **Mentor – CSC Mentoring Programme,** CSC UK

Sep. 2021: **ACU Fellowships 2021 Selection Committee,** The Association of Commonwealth Universities (ACU).

Feb. 2020: **Speaker/Facilitator** on "*How to write an Impact Statement*" **–** Study UK Exhibition 2020 by CSC UK/British Council, February 2020.

Dec. 2019-May 2020: Vice Chair – LOC for ACU NextGen2020 Workshop, ACU-KNUST.

Mar. 2019-Apr. 2020: Editorial Board – Editor for Scientific African, Elsevier

Mar. 2019: **ACU Grants Selection Panel,** Association of Commonwealth Universities (ACU).

Mar. 2019-Mar. 2021: **Association of Commonwealth Universities (ACU) Champion for KNUST,** KNUST-Kumasi

4 Nov. 2018: **Special Delegate – CoSFAG Presentation of Commemorative Award to His Royal Highness The Prince of Wales** during his visit to KNUST for a tree planting and unveiling of the signage of the Prince of Wales Park, KNUST-Kumasi.

Mar. 2018: **External Assessor – Early Career Academic Grants,** Association of Commonwealth Universities (ACU).

2018: **Visiting Scholar,** to ISA Lille, France on Staff Mobility for Training and Teaching in the frame of the Erasmus + project no 2017-1-FR01-KA107-036901 between ISA Lille and KNUST. 29 Jan.- 2 Feb. 2018; 28 Nov. - 5 Dec. 2018.

2017-2019: **Facilitator –** CSFP Alumni Reintegration Workshop by the British Council.

22 May-2 Jun. 2017: **Documentary Rapporteur –** TOT Course on Everything you need to Know about Sweetpotato, organised by KNUST, CSIR-CRI and International Potato Center (CIP).

Jul. 2016: **Address by CoSFAG – President,** 2016 Ghana Commonwealth Scholars and Fellows Reception. 26 July 2016, British Council Directorate Residence.

Jul. 2015 –2020: **President –** Commonwealth Scholars & Fellows Alumni, Ghana (CoSFAG).

Jan.-Jul. 2015: **Head Coordinator –** CoSFAG, Ghana.

Mar. 2015: **Member of Jury –** 8th Annual GRASAG-KNUST International Research Conference held on 20 March 2015 at the College of Science Auditorium, KNUST.

2011-Date: **Reviewer** for over 30 different journals:

- Journal of Food Science, Institute of Food Technologists (IFT), USA.
- Food Hydrocolloids, Elsevier, The Netherlands.
- Journal of Food Engineering, Elsevier, The Netherlands
- LWT-Food Science and Technology, Elsevier
- Scientific African, Elsevier, The Netherlands
- International Journal of Food Science and Technology (IJFST), IFST, UK.
- Journal of Food Science and Technology (JFST), AFSTI, India
- International Food Research Journal (IFRJ)
- Food Science & Nutrition (FSN), Wiley, USA.
- CYTA-Journal of Food, Mexico
- Journal of Ethnic Foods, Elsevier, The Netherlands.
- Journal of Science, Engineering and Technology (JSET), Philippines
- African Journal of Food Science (AJFS)
- Agricultural and Food Science Journal of Ghana (AFFJG)
- Journal of Ghana Science Association (JGSA)

- Ghana Journal of Science (GJS)
- Journal of Science and Technology (JUST), KNUST.
- Agriculture & Food Security, Springer, UK
- Legume Science, Wiley, USA.
- International Journal of Food Science, Hindawi, Egypt
- International Journal of Food Properties, Taylor & Francis, UK
- Cogent Food & Agriculture, Taylor & Francis, UK
- Food Chemistry
- Food Chemistry Advances
- British Journal of Food
- Brazilian Journal of Food Technology (BJFT)
- Applied Food Research
- Food and Humanity
- Food Frontiers
- Food Bioscience
- JSFA Reports
- Heliyon
- Foods
- PeerJ
- Plos One

2011: **Events Team Member** – Researchers' Night, University of Huddersfield.

2011: **Committee Member** – Researchers4Researchers, University of Huddersfield.

2007- 2008: **Mature and Postgraduate Students Officer** – University of Huddersfield, UK.

COLLABORATION

Date	Research Topic
2025-Date	Team Leader for Food Systems of the TRANS-SAHARA Project, coordinated by Technische Universität München (TUM) and funded by the European Union under the Horizon Europe Framework Programme. The project aims to advance agroforestry management in the Greater Northern African Region through a Water-Energy-Food-Ecosystem (WEFE) Nexus-based approach. As a key partner, KNUST contributes to the establishment and implementation of Living Labs in Tunisia, Ghana, and Ethiopia, which serve as experimental sites for testing and validating innovative agroforestry interventions.
2024-Date	Yam as a source of Pharmaceutical Excipient: Investigation the Potential of Pectin from Different Yam Varieties of Yam as Disintegrant, Binder and Release Modifier in Immediate Release and Controlled Release Tablets: KReF Award Project (KREF9/24/163/M1) collaboration with Prof. Mariam El Boakye-Gyasi (Department of Pharmaceutics –KNUST), Dr. Frederick W.A. Owusu (Department of Pharmaceutics –KNUST) and Dr. Paul Tandoh (Horticulture, KNUST).
2024-Date	African Agri-Food Knowledge Transfer Partnership (AAKTP) Grant Award (Project Number: 10097922. KTP Reference: 13910). Knowledge transfer partnership between The University of Huddersfield (UoH), UK & Kwame Nkrumah University of Science and

	Technology, Kumasi & University of Health and Allied Science (UHAS), Ho and Cocoa Processing Company (CPC) Limited. To develop sustainable novel plant pectins from locally sourced low market value species to replace imported lecithin in chocolate-based products.
2023-Date	Potential of okra pectin and tamarind xyloglucan as emulsifier in chocolate spread – Project with Dr. Eric Owusu Mensah, Prof. Faustina D. Wireko-Manu, Prof. Ibok N. Oduro and Zeenatu S. Adams (FST-KNUST).
2022-Date	Assessing the Nutritional Composition and Anti-diabetic Effect of Watermelon Seed Powder in the Management of Diabetes in Ghana: A pilot intervention study among Diabetics in the Ejisu Municipality– Project with Dr. Charles Apprey and Prof. F.C. Mills-Robertson (Biochemistry & Biotechnology-KNUST)
2022-Date	Development of a cooling system for chocolate preservation to promote good health and decent jobs among local vendors – Project with Prof. Ibok N. Oduro (FST-KNUST), Zaukuu, J-L.Z. (FST-KNUST), Dr. Michael Donkor (Physics-KNUST), Dr. Akyana Britwum (Physics-KNUST) Dr. Latifatu Mohammed (CSIR-IIR), Frank A. Asante (CPC), Genevieve Pawar (CPC) and Nana Ofori Owusu (EPPL).
2020-2021.	Design of a pilot plant to produce Pectin extract from okra and potential application in chocolate production: KReF Award Project collaboration with Dr. Leonard D.K. De-Souza (FST-KNUST), Dr. Benjamin Afortey (Dept. of Chemical Engineering -KNUST), Dr. Robert Aidoo (Dept. of Agricultural Economics, Agribusiness and Extension -KNUST), Dr. Fidelis M. Kpodo (UHAS, Ghana), Prof. Kolawole Falade (University of Ibadan, Nigeria) and Cocoa Processing Company Ltd, Tema.
2019-2022.	Isolation of Bioactive Pectin from the waste stream of Cucurbitaceae species for application in Dysphagia-Oriented fluid and pharmaceutical drug formulations: UHAS Research Funded Project collaboration with Dr. Fidelis M. Kpodo (Department of Nutrition and Dietetics, UHAS*, Ho, Ghana*).
2018-2022	Okra Pectin as a drug release modifier in the formulation of controlled (extended) release matrix tablets of metformin for the management of chronic diabetes: KReF Award Project collaboration with Dr. Mariam El Boakye-Gyasi (Department of Pharmaceutics –KNUST) and Prof. Ben Banful (Horticulture, KNUST)
2018-2021	Determination of some herbicides in sweet potato: Collaboration on WAAPP Project with Mr. Seth O. Ekyem & Mr. Kwasi Offei Bonsu (CSIR- Crops Research Institute) and Prof. B.R. Voegborlo (Department of Chemistry-KNUST).
2017-2020	Characterization of starch from new cassava accessions: Collaboration with Prof. Emmanuel Bobobee (Dept. of Agricultural and Biosystems Engineering-KNUST)
2016-2020	Grewia gum Project: Collaboration with Fidelis Kpodo (UHAS, Ho), Dr. Vassilis Kontogiorgos and Prof. Gordon Morris (University of Huddersfield, UK.
2016-2019	Okra Pectin Project: Collaboration with Dr. Vassilis Kontogiorgos and Dr. Gordon Morris, University of Huddersfield, UK, Prof. Ben Banful (Horticulture, KNUST) and Mr. Kwasi Offei Bonsu (CSIR- Crops Research Institute)
2018	Tomato analysis project collaboration with K.O. Bonsu and Research Team at CSIR- Crops Research Institute as part of the project on Breeding Methodology for Tomato Varieties Proposed for Release
2016-2017	Collaboration: Legumes (Beans, Groundnut) Project with Dr. James Y. Asibuo (CSIR-Crops Research Institute)

2012-Date	Physicochemical evaluation of underutilized food materials (cereals, cowpea, groundnut, lima beans, cassava, sweet/potato, yam, baobab, tamarind, rain tree (*Samanea saman*) pod composite flour, African star fruit, African palmyra palm, ackee, watermelon, okra, mushroom, orange/lemon peels and Borututu bark flour for their beneficial applications in food product development
2013-Date	Glycemic Index of Some Local Staples

RESEARCH PUBLICATIONS IN PEER-REVIEWED JOURNALS

83 Published peer-reviewed journal papers; *__Asterisk__ stands for corresponding author.

1. Martin, G. N., Rockson, M. A. and *__Agbenorhevi, J. K.__ (2026). Colour and Rheological Properties of Some Cocoa and Chocolate Products During Storage. International *Journal of Research and Scientific Innovation* (IJRSI), 13(10), 1173-1191.
2. Asiamah, E., Geng, D.H., Zhang, N., Zhang, J., Nemţanu, M.R., Wang, Y., Ayeh, E.S., Sharafeldin, S., **Agbenorhevi, J.K**. and Cheng, Y. (2026). Pea starch–fatty acid complexes: Chain length–concentration interplay governs multiscale structure, texture, and digestibility in gluten-free noodles. *Food Research International*, 120812.
3. Kpodo, F.M., Adzinyo, O.A., **Agbenorhevi, J.K.,** Hattoh, D. P., Dzieketey, R.K., Amanttesse, S., Agbosoo, B.D. (2026). Physicochemical, Rheological, and Sensory Properties of Tomato Ketchup Stabilized by Thickener Blends, Journal of Food Processing and Preservation, 5174738: 1-12.
4. Donkor-Boateng, N.A., Yankey, S., Mensah, E.O., *__Agbenorhevi, J.K__. and Oduro, I.N. (2026). Structural and functional properties of food ingredient composition in porridge preparation - A review, *Food Bioscience*, 75: 108124.
5. Brown, C., Amankwah, N.Y.A., Effah-Manu, L., Rockson, M.A.D., Mensah, E.O. and ***Agbenorhevi, J.K.** (2025). Evaluation of rain tree (*Samanea saman*) pod flour characteristics and bread made from composite flours, *Discover Food,* 5:322.
6. Duah, J., **Agbenorhevi, J.K.**, Kpodo, M.K. and Saalia, F.K. (2025). Structural and functional properties of pectin extracted from African star apple, *Food Chemistry Advances*, 7, 101007, 1-8.
7. Williams, G., Adjei, M.Y.B., *__Agbenorhevi, J.K.__, De-Souza, L.D.K., Kpodo, F.M. and Pawar, G. (2025) Physical analysis and sensory properties of okra pectin chocolate during storage. *JSFA Reports*, 5:212-221.
8. Effah-Manu, L., Danso, G.K., Nyarko, B. and *__Agbenorhevi, J.K__. (2024). Sustainable sourcing, extraction, and application of pectin in Africa: A review of environmental, economic and social implications. *Journal of Ghana Science Association,* 22(1), 70-84.
9. Abe-Inge, V., Arabe, J., *__Agbenorhevi, J. K__., Oduro, I.N., Mohammed, L., Zaukuu, J.L.Z., Asante, F.A., Pawar, G. and Owusu, N.O. (2024). Assessment of chocolate retail in Ghana and willingness to use cooling devices. *Heliyon, 10, e36961.*
10. Abe-Inge, V., Zaukuu, J. L. Z., Mohammed, L., **Agbenorhevi, J. K.,** & Oduro, I. (2024). Physicochemical analysis and chemometric analysis of milk chocolate sold in Ghana using NIR spectroscopy. *Future Foods*, 100427.
11. Williams, G., Adjei, M.Y.B., Ahadzi, P., Aboagye, C.W., *__Agbenorhevi, J.K.,__ De-Souza, L.D.K., Kpodo, F.M. and Pawar, G. (2024). Proximate composition and relative preference mapping of milk chocolate emulsified with okra pectin. *Journal of Science and Technology*, 42(2), 62-75.

12. Timtey, J.A., Alemawor, F., Ellis, W.O., **Agbenorhevi, J.K**. and Pepra-Ameyaw, N.B. (2024). Evaluation of yield and physicochemical quality of *Pentadesma butyracea* butter obtained by different traditional extraction methods in Ghana*. International Journal of Food Science. 5282230, 1-13.*
13. Duah, J., Kpodo, M.K., Kontogiorgos, V., Saalia, F.K. and ***Agbenorhevi, J.K**. (2024). Isolation and characterization of pectin from African star apple (*Chrysophyllum albidum*) fruit. *Food Biophysics,* https://doi.org/10.1007/s11483-024-09840-y.
14. Kyei-Asante, B., Alemawor, F., ***Agbenorhevi, J.K**. and Fitz-Williams P. (2023). Physicochemical evaluation of shea butter treated with borututu *(Cochlospermum angolensis*) bark. *Journal of Science and Technology,* 41(3), 77-96.
15. Kpodo, F. M., Jato, J., Adjei, C. N. A., Walter, A., **Agbenorhevi, J. K.,** Duah, J., and Nuro-Ameyaw, P. (2023). Physicochemical and functional properties of pulp and pectin from agro-waste of three Cucurbitaceae species. *Food Chemistry Advances*, 100530.
16. Dzomeku, M., Alemawor, F., **Agbenorhevi, J.K.,** Oduro, I.N. and Obodai, M. (2023). Diversity and Domestication of Mushroom Species in the Atewa Forest Reserve and Bia Biosphere, Ghana, *Scientific African,* e01805.
17. Afotey, B., ***Agbenorhevi, J.K**., De-Souza, L.D.K., Logosu, J.K., Kpodo, F.M. and Falade, K. (2023). Okra (*Abelmoschus esculentus L*.) pectin yield as influenced by particle size and extraction solvent, *Food Chemistry Advances,* 3, 100339.
18. Osei, P.A, Kpodo, F.M., Tettey, C.O, Dzah, C.S., **Agbenorhevi, J. K**., Hunkpe, G. and Nanga, S. (2023). Proximate composition, phenolic, and antioxidant properties of soursop fruit parts, *CyTA - Journal of Food*, 21(1), 475-480.
19. Timtey, J.A., Alemawor, F., Ellis, W.O., Pepra-Ameyaw, N.B. and **Agbenorhevi, J.K**. (2023). *Pentadesma butyracea* in Ghana-Indigenous knowledge, use, and seed characterization, *Scientific African,* e01747.
20. Williams, G., De-Souza, L.D.K., Kpodo, F.M. and ***Agbenorhevi, J.K.** (2023). Physicochemical evaluation of okra residue obtained after pectin extraction. *International Journal of Food Properties,* 26(1), 591-599.
21. Ameyaw, R., Ameyaw, E., **Agbenorhevi, J. K**., Hammond, C.K., Arhin, B. and Afaa, T.J. (2023). Assessment of knowledge and socioeconomic status of caregivers of children with malnutrition at a district hospital in Ghana. *African Health Sciences*, 23(1), 693-703.
22. Agbley, E. N., Kpodo, F. M., Kortei, N. K., **Agbenorhevi, J. K**., Kaba, G., and Nyasordzi, J. (2023). Consumption pattern, heavy metal content and risk assessment of Akpeteshie-local gin in Ho municipality of Ghana. *Scientific African*, e01564.
23. Effah-Manu, L., Wireko-Manu, F. D., **Agbenorhevi, J. K**., Maziya-Dixon, B., Oduro, I. N. (2023). Gender disaggregated consumer testing and descriptive sensory analysis of local and new yam varieties. *Foods,* 12, 537.
24. Donkor-Boateng, N.A., ***Agbenorhevi, J.K**., and Anim-Jnr, A.S. (2022). Physicochemical, textural and sensory attributes of sausage emulsified with okra pectin. *Journal of Science and Technology,* 40(3), 67-76.
25. Effah-Manu, L., Wireko-Manu, F. D., **Agbenorhevi, J. K**., Maziya-Dixon, B., Oduro, I. N. and Baah-Ennum, T. Y. (2022). The effect of gender on end-user preferences for yam quality descriptors, *Food Science & Nutrition*, 10: 3890-3904.
26. Effah-Manu, L., Wireko-Manu, F.D., **Agbenorhevi, J.K.,** Maxiya-Dixon, B. and Oduro, I. (2022). Chemical, functional and pasting properties of starches and flours from new yam compared to local varieties, *CyTA - Journal of Food*, 20(1), 120-127.
27. Effah-Manu, L., Maxiya-Dixon, B., Wireko-Manu, F.D., **Agbenorhevi, J.K.** and Oduro, I. (2022). Yam pectin and textural characteristics: a preliminary study. *International Journal of Food Properties,* 25(1), 1591-1603.

28. Amankwah, N.Y.A., *__Agbenorhevi, J.K.__ and Rockson, M.A.D. (2022). Physicochemical and functional properties of wheat-rain tree (*Samanea saman*) pod composite flours. *International Journal of Food Properties,* 25(1), 1317-1327.
29. Aidoo, R., Oduro, I.N., *__Agbenorhevi, J.K.__, Ellis, W.O. and Pepra-Ameyaw, N.B. (2022) Physicochemical and pasting properties of flour and starch from two new cassava accessions. *International Journal of Food Properties,* 25(1): 561-569.
30. Boateng, M.A, Amoako-Andoh, F.O., Wireko-Manu, F.D. and **Agbenorhevi, J.K**. (2021). Yam Tuber Dormancy and Sprouting: The Role of Concentration Dynamics of Endogenous Gibberellic Acid. *Agricultural and Food Science Journal of Ghana,* 14 (1), 1375-1386.
31. Kpodo, F.M, **Agbenorhevi, J.K**., Oduro, I.N. and Morris, G.A. (2021). Physicochemical variability of pectin from different okra phenotype, *Journal of Ghana Science Association,* 20 (1), 26-32.
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34. Hormenoo, Y.A., *__Agbenorhevi, J.K__., Ekyem, S. O., Bonsu, K.O., Torve, V. and Voegborlo, B.R. (2021). Determination of some herbicides in sweet potato. *Cogent Food & Agriculture,* 7 (1), 1910159.
35. Boakye-Gyasi, M.E., Owusu, F.W.A., Entsie, P., **Agbenorhevi, J.K**., Banful, B.K.B. and Bayor, M.T. (2021). Pectin from Okra (Abelmoschus esculentus L) has potential as a drug release modifier in matrix tablets, *The Scientific World Journal, 6672277.*
36. Ampofo, D., *__Agbenorhevi, J.K__., Firempong, C.K. and Adu-Kwarteng, E. (2021). Glycemic index of different varieties of yam as influenced by boiling, frying and roasting. *Food Science & Nutrition, 9: 1106-1111.*
37. Adu-Poku, D., Saah, S.A. and **Agbenorhevi, J.K.** (2020). Modeling the kinetics of potassium diffusion in potato under different leaching conditions. *International Journal of Food Science,* 1876463.
38. Bawa, N.M., *__Agbenorhevi, J.K__., Kpodo, F.M. and Sampson, G.O. (2020). Pasting Properties of Starch-Okra Pectin Mixed System. *CYTA-Journal of Food,* 18(1): 742-746.
39. Adu-Kwarteng, E., Oduro, I, Ellis, W.O and **Agbenorhevi, J.K.** (2020). Rapid assessment of compositional stability in improved sweetpotato varieties: relevance in breeding and utilization, *International Journal of Innovative Research & Development,* 9(7):72-78.
40. Kissiedu, K.O., *__Agbenorhevi, J.K.__ and Datsomor D.N. (2020). Optimization of sensory acceptability of milk chocolate containing okra pectin as emulsifier. *International Journal of Food Properties,* 23(1): 1310-1323.
41. Abe-Inge, V., *__Agbenorhevi, J.K__., Katamani, G.D., Ntim-Addae S.B. and Kpodo, F.M. (2020). Effect of okra pectin treatment on quality attributes and consumer acceptability of tiger nut milk and fried yam, *Cogent Food & Agriculture,* 6: 1781992.
42. Ofori, J., Tortoe, C. and **Agbenorhevi, J.K**. (2020) Physicochemical and functional properties of dried okra (*Abelmoschus esculentus L.)* seed flour, *Food Science & Nutrition,* 2020, 8:4291-4296.
43. Tobil, M., Deh, C.Y., *__Agbenorhevi, J.K__., Sampson, G.O. and Kpodo, F.M. (2020). Effect of okra pectin on the sensory, physicochemical and microbial quality of Yoghurt. *Food and Nutrition Sciences,* 11: 442-456.
44. ***Agbenorhevi, J.K.,** Kpodo, F.M., Banful, B.K.B., I.N. Oduro, Abe-Inge, V., Datsomor, D.N., Atongo, J. and Obeng, B. (2020)**.** Okra survey and evaluation of okra pectin extracted at different maturity stages. *Cogent Food & Agriculture,* 6: 1760476.

45. Abe-Inge, V., Asaam, E.S., ***Agbenorhevi, J.K**., Bawa, N.M. and Kpodo, F.M. (2020). Development and Evaluation of African Palmyra palm (*Borasus aethiopum)* fruit flour-Wheat Composite Flour Noodles, *Cogent Food & Agriculture,* 6(1): 1749216.
46. Kpodo F.M., **Agbenorhevi, J.K**., Alba, K. and Kontogiorgos, V. (2020). Emulsifying properties of Ghanaian grewia gum. *International Journal of Food Science and Technology,* 55:1909-1915.
47. Williams, G., Ansah, K.O., ***Agbenorhevi, J.K**., Oduro, I.N. and Bobobee, E. (2019). Characterization of starch from new cassava accessions at different maturity. *Journal of Food Security,* 7(5): 170-174*.*
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50. Duah, J.**, *Agbenorhevi, J.K.,** Adu-Poku, D. and Antwi, F.O. (2019) Nitrite assessment of processed meat products commonly consumed in Ghana, *Journal of Food Security,* 7(3): 90-96.
51. Datsomor, D.N., ***Agbenorhevi, J.K.** Kpodo, F.M., and Oduro, I.N. (2019)**.** Okra Pectin as Lecithin Substitute in Chocolate**,** *Scientific African, 3: e00070.*
52. Sahe, C.A, ***Agbenorhevi, J.K**. and Wireko-Manu, F.D. (2019). Quality Characteristics of Cassava-Ackee-Groundnut Composite Cookies, *American Journal of Food Science and Technology,* 7(2)*:* 57-64.
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CONFERENCE PRESENTATIONS AND OTHER PUBLICATIONS

1. Ntow, B.B., **Agbenorhevi, J.K**., Kpodo, F.M., Pawar, G., Asante, A., Smith, A.M. and Morris, G.A. (2026). Evaluation of okra pectin as an alternative emulsifier in milk chocolate: Effects on rheological, textural and sensory properties. In: 18th International Hydrocolloids Conference, Mar. 31- April 2, 2026, Tokyo, Japan, 142-143.
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89. **Agbenorhevi**, **J. K.** Lutterodt, H.E., Ofosu, I.W. and Appaw, W.O. (2016) Analytical methods for food fraud detection. In: 1st National Conference on Food Fraud, KNUST, 27 January 2016 (Poster).
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92. Adams, Z.S., Wireko-Manu, F.D., Agbenorhevi J. and Oduro, I. (2016). Extruded Snack (Yummy Pop) From Water Yam-Based Flour. In: 1st World Congress on Root and Tuber Crops, Nanning Guangxi, China, 18-22 January 2016 (Poster).

93. Nyaaba D. A., Brown P. and **Agbenorhevi, J.** (2015). Assessing the Association between Asymptomatic Malaria Parasitaemia In: 6th Annual Scientific Conference of the College of Health Sciences, KNUST, 27-28 August 2015.
94. **Agbenorhevi**, **J. K.,** Kontogiorgos, V., Morris, G.A., Kpodo, F.M., Oduro, I.N., Bonsu K. O. and Kaledzi, P.D. (2015). Okra extract – a versatile material for technological applications. In: 1st International Conference on Engineering, Science, Technology and Entrepreneurship (ESTE), 6-7 August 2015, p. 27.
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98. Addo, P.W. and **Agbenorhevi, J.K.** (2015). Antinutrients content of watermelon seeds, In: The 8th Ghana Biomedical Convention (GBC) 2015 Conference, 29-31 July 2015, p.74.
99. Osae, A.K. and **Agbenorhevi, J.K**. **(**2015). Packaging and shelf life of maize peanut balls (Dakua), In: The 8th Ghana Biomedical Convention (GBC) 2015 Conference, 29-31 July 2015, pp79-80.
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101. Combey, S., Koryoe, S.A., Dossou, V.M. and Agbenorhevi, J.K. (2014). Ackee (*Blighia sapida*) Fruit Arils: Nutritional, Phytochemicals and Antioxidant Properties, In: The 7th Ghana Biomed 2014, p..41.
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104. Boakye, A.A., Wireko-Manu, F.D.B., **Agbenorhevi, J.K.** and Oduro, I. (2014) Dietary Fibre, Vitamin C and Proximate Composition of Tropical Underutilised Fruits, Africa Nutrition Epidemiology Conference 21-25 July 2014.
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108. **Agbenorhevi, J.K.** and Kontogiorgos V. (2013) How does β-Glucans mix with milk proteins? In: The 6th Ghana Biomed 2013, Book of Abstracts, p. 81.
109. **Agbenorhevi, J.K.,** Kontogiorgos, V. and Kasapis, S. (2012). Phase behaviour of β-glucan/sodium caseinate mixtures varying in molecular weight. In: Gums and Stabilisers for the Food Industry 16, eds. P.A. Williams & G.O. Phillips, The Royal Society of Chemistry, Cambridge, pp. 133-140.

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BOOK/BOOK CHAPTERS

1. Wireko-Manu, F.D., Akyereko, Y.G., **Agbenorhevi, J.K**., Arhinful, C., Kyei-Asante, B., Attafuah, J.K., Allotey, D. and Oduro, I. (2024). Potentials of ackee in Africa Cuisine**.** In: Sustainable and Functional Food From Plants, Goyal, M.R., Nath, A. and Kovacs, Z. (Eds) CRC Press/Apple Academic Press, USA.
2. Adams, Z.S., Abe-Inge, V. and **Agbenorhevi, J.K**. (2023) Quality attributes of chocolate: a review. Food Technology, MedCrave.
3. Aidoo, R., **Agbenorhevi, J.K**., Wireko-Manu, F.D. and Wangel A. (Eds) (2019) Roots and Tubers in Ghana: Overview and Selected Research Papers, KNUST Printing Press, Kumasi.
4. Boateng, M.A., Wireko-Manu, F.D., **Agbenorhevi, J.K** and Amoako-Andoh, F.O. (2019). Product development from Yam in West Africa: market potential and challenges. In: Roots and Tubers in Ghana: Overview and Selected Research Papers. KNUST Printing Press, Kumasi.
5. **Agbenorhevi, J.K**. (2011) Phase Behaviour of Oat β-Glucan/Sodium Caseinate Mixtures. Doctoral thesis, University of Huddersfield. Available at http://eprints.hud.ac.uk/17475/

HANDBOOKS/TRAINING MANUALS/MAGAZINES

1. Everyday Science for Schools Magazines -**Thirteen Volumes:** 2023-12(1); 2023-11(2),11(1); 2023-10(2), 2022-10(1); 2021-9(2),9(1); 2021-8(2), 2020-8(1), 2019-7(2); 2018-7(1); 2017-6(2), 6(1); Ghana Science Association.
2. CoSNEWS Magazines: 2022; 2021. College of Science, KNUST-Kumasi.
3. KNUST Food Festival Magazines: 2023; 2022; 2020; 2019; 2018.
4. Wireko-Manu, F.D., Akwetey, W.Y., Agbenorhevi, J.K., Appiah, F. and Ansah F.A. (2019) Commodity-Based Skill-Oriented Postharvest Management and Value Addition Training Manuel, Okuafo Pa Project, ENI-KNUST.
5. Handmade/Artisanal Chocolate Making Short Course Manual (2016). Department of Food Science and Technology, KNUST. IMARGRAPHIX, Kumasi.
6. Food Hygiene Manual (2015). Department of Food Science and Technology, KNUST. IMARGRAPHIX, Kumasi.

OTHER ARTICLES

1. Aggrey, G., Adomako, R.J.K., Aboagye, S.A., Arthur, S.G. and **Agbenorhevi**, **J. K.** (2024) The effect of cooking methods on the quality and safety of meat, Everyday Science for Schools Magazine, 13(1): 14-23, Ghana Science Association.
2. Tetteh, E. and **Agbenorhevi**, **J. K.** (2023) Chocolate: Types and Health Benefits, Everyday Science for Schools Magazine, 11(2): 8-9, Ghana Science Association**.**
3. Ortsin, J.F. and **Agbenorhevi**, **J. K.** (2023). Foods of The Future: Yoghurt Made From Plant-Based Milks, Everyday Science for Schools Magazine, 11(2): 21-23 , Ghana Science Association**.**
4. Nyame, P.B and **Agbenorhevi**, **J. K.** (2023). Okra Pectin and its Application, Everyday Science for Schools Magazine, 10(2):11-12, Ghana Science Association**.**

5. Johnson R. and **Agbenorhevi**, **J. K.** (2023). Enzymes and Life, Everyday Science for Schools Magazine, 10(2):13, Ghana Science Association
6. Ntow B.B. and **Agbenorhevi**, **J. K.** (2023). Common Salt: Its role in Food and Diet, Everyday Science for Schools Magazine, 10(2):13, Ghana Science Association
7. Nyame, P.B and **Agbenorhevi**, **J. K.** (2021). Soft Drinks: Health Facts, Everyday Science for Schools Magazine, 8(2):38-39, Ghana Science Association
8. Hormenoo, Y.A and **Agbenorhevi**, **J. K.** (2020). The role of herbicides in modern agriculture, Everyday Science for Schools Magazine, 8(1):23-24, Ghana Science Association
9. Danah, L. and **Agbenorhevi**, **J. K.** (2020). Food and acne – is there a relation? Everyday Science for Schools Magazine, 8(1):25-27, Ghana Science Association
10. **Agbenorhevi**, **J. K.** and Abe-Inge, V. (2018). Okra *(Abelmoschus esculentus):* Beyond the Dining Table. Everyday Science for Schools Magazine, 7(2): 36-37, Ghana Science Association.
11. **Agbenorhevi**, **J. K.** and Oduro, I.N. (2017). What is Food Science and Technology? Everyday Science for Schools Magazine, 6(2), Ghana Science Association.
12. **Agbenorhevi**, **J. K.** and Oppong, N.S. (2017). Reducing food losses and waste, Everyday Science for Schools Magazine, 6(1): 8-9, Ghana Science Association.
13. **Agbenorhevi**, **J. K.** and Oduro, I.N. (2017). The Food Value Chain – Joining the Missing Links, Everyday Science for Schools Magazine, 6(1): 6, Ghana Science Association.

EXHIBITIONS

1. Exhibition on Okra Pectin at KNUST 70th Anniversary Science and Technology Exhibition, 10-13 May 2022, KNUST-Kumasi
2. Exhibition on Artisanal Chocolate and products Developed in the Department of Food Science and Technology at 51st Congregation Exhibition, 6-8 July 2017**,** KNUST.
3. Exhibition on Artisanal Chocolate Products Developed, Seminar and Exhibition 2017, Department of Food Science and Technology in Collaboration with International Potato Center (CIP), College of Science, KNUST, 14 February 2017.
4. Exhibition on Development of a Fortified Biscuit with Palm Weevil Larvae and Orange-fleshed Sweetpotato, Europeans Researchers' Night, University of Huddersfield, UK, 30 September 2016.
5. Exhibition on some products developed from roots and tubers and okra pectin chocolate at the 3rd National Science, Technology and Innovation fair organised by the Ministry of Environment, Science, Technology and Innovation (MESTI), ISSER, University of Ghana, 13-16 September 2016.

PROFESSIONAL MEMBERSHIPS

- Ghana Association of Food Scientists and Technologists (GhAFoST) (2022-Date)
- Ghana Young Academy (2022- Date)
- Ghana Academy of Nutrition and Dietetics (2021- Date)
- Ghana Science Association (2013 - Date)
- Ghana Nutrition Association (2013 - 2018)
- Ghana Biomedical Convention (2013 –2018)
- Institute of Food Science and Technology (IFST), UK. (2007 – 2018)
- Institute of Food Technologists (IFT), USA. (2007 – 2018).
- The Nutrition Society, UK. (2007 – 2012).

OTHER PROFESSIONAL CERTIFICATES

1. Editorial Contribution Award 2026, Springer Nature Editor of Distinction Awards, May 2025.
2. Author Service Award 2026, Springer Nature Editor of Distinction Awards, May 2025.
3. Editorial Contribution Award 2025, Springer Nature Editor of Distinction Awards, May 2025.
4. Author Service Award 2025, Springer Nature Editor of Distinction Awards, May 2025.
5. Certificate of Participation: One Day Assessors Certification Training Workshop, 22 Apr. 2025, Ghana Tertiary Education Commission (GTEC)
6. Certificate of Proficiency: KNUST Online Teaching Training Course, Jan. 2025, E-Learning Centre, KNUST-Kumasi.
7. Certificate of Participation: PhD Supervision for Senior Members, Feb. 2024, CoS-KNUST.
8. Certificate - Finding Peer Reviewers: Solutions for Identifying and Securing Potential Candidates, Jan. 2024, Editorial Engagement, Springer Nature, USA.
9. Certificate of Participation in the 10th KNUST Summer School for Senior Members on the theme: Theme: '*Ácademia-Industry Partnership for National Development"*. 2nd-4th October, 2023. Quality Assurance and Planning Unit, KNUST.
10. Certificate of Participation: Fostering Human Progress through Open Research Understanding Open Access Publishing. July 2023, Taylor & Francis Group and the Association of African Universities.
11. Certificate of Completion: Executive Leadership Development Course, May 2023, Vice-Chancellor's Office and E-Learning Centre, KNUST-Kumasi.
12. Certificate of Participation: Understanding and Publishing Open Access in Science, Technology and Innovation, 25 May 2023, Taylor & Francis Group.
13. Certificate of Participation: Workshop on Setting University-Level Standard Examination Questions, September 2022, FST, KNUST-Kumasi.
14. Certificate of Participation: Education Assessment Measurement and Curriculum Development, 2nd and 9th February 2022, Faculty of Biosciences, College of Science, KNUST-Kumasi.
15. Certificate of Participation in the 9th KNUST Summer School for Senior Members on the theme: Theme: 'SDGs and Universities: Actions Towards KNUST's Mandate at 70 and Beyond'. August 31st - September 3rd, 2021. Quality Assurance and Planning Unit, KNUST.
16. Certificate of Excellence: Certified Peer Reviewer Course, 04 January 2021, Researcher Academy, Elsevier Ltd.
17. Certificate of Completion: Standing up for Science, 03 January 2021, Researcher Academy, Elsevier Ltd.
18. Certificate of Completion: An editor's guide to writing a review article, 03 January 2021, Researcher Academy, Elsevier Ltd.
19. Certificate of Completion: Building Trust and Engagement in Peer Review, 31 December 2020, Researcher Academy, Elsevier Ltd.
20. Certified Instructor: KNUST Online Teaching Training Course, Valid: September 2020-2022, Quality Assurance and Planning Unit (QAPU), KNUST.
21. Certificate of Participation and for Presentation in the 10th International Colloids Conference, 7-9 December 2020, Elsevier Ltd.
22. Certificate of Reviewing awarded since December 2020 by The Editors of Food Hydrocolloids, Elsevier

23. Certificate of Completion: Retrieving Scientific Information, 21 April 2020, Researcher Academy, Elsevier Ltd.
24. Reviewer Certificate awarded since April 2019 by The Editors of Scientific African, Elsevier Ltd.
25. Reviewer Certificate awarded on 5 July 2019 by International Journal of Food Science and Technology, IFST UK
26. Certificate of Participation in the Leadership and Change Management Training of Trainers Workshop, 29 0ctober – 2 November 2018, Kumasi, Ghana, USAID AfricanLead.
27. Certificate of Participation in the 8th KNUST Summer School Certificate for Senior Members on the theme: Improving the Quality of Higher Education Through Effective Measurement and Evaluation. 20-245 August 2018, Great Hall, KNUST.
28. Reviewer Certificate awarded in March 2018 by Food Science & Nutrition, Wiley.
29. Reviewer Certificate awarded in March 2018 by International Journal of Food Science and Technology, IFST UK
30. Food Hydrocolloids Certificate of Outstanding Contribution in Reviewing awarded in February 2018, in recognition of the contributions made to the quality of the journal by The Editors of Food Hydrocolloids, Elsevier
31. Food Engineering Certificate of Outstanding Contribution in Reviewing awarded in February 2018, in recognition of the contributions made to the quality of the journal by The Editors of Food Engineering, Elsevier
32. Certificate of Appreciation Award/Assistant Trainer in 2017 KNUST Summer School (Active Teaching and Learning), 21-25 August 2017, Maastrict School of Management (MSM), Maastrict, The Netherlands.
33. Certificate of Participation in the 8th KNUST Summer School Certificate for Senior Members on the theme: Technology, Manpower, Training and Development. 21-25 August 2018, Great Hall, KNUST.
34. Certificate of Participation and for presenting in the 10th Ghana Biomedical Convention, organised by the Convention of Biomedical Research, Ghana, Noguchi-Accra, 26-28 July 2017.
35. Reviewer Certificate awarded on 1 June 2017 by the International Journal of Food Science and Technology, IFST UK.
36. Certificate of Participation in Tailor-Made Training in Active Teaching and Learning, Maastricht School of Management, Maastricht, The Netherlands, 27-31 March 2017.
37. Certificate of Participation in the 6th KNUST Summer School Certificate for Senior Members on the theme: Strengthening the linkage amongst Academia, Industry and Government. 15-18 August 2016, Great Hall & CCB Auditorium, KNUST.
38. Certificate of Appreciation for participation in 5-Day Training on Foodscape Studies at KNUST, 15-19 February 2016.
39. Certificate of Successful Completion of the International Course on Lost Harvest and Wasted Food held at the Centre for Development Innovation, Wageningen University, 14 - 25 September 2015.
40. Certificate of Attendance in live training webinar on Food Labelling Regulations organized by International Food Safety & Quality Network on 09 October 2015
41. Certificate of Attendance in live training webinar on TACCP Principles in Managing Food Safety organized by International Food Safety & Quality Network on 02 October 2015.

42. Certificate of Attendance in Food Safety Live, an annual online conference organized by International Food Safety & Quality Network on 09 September 2015.
43. Certificate of Participation in 1st NMR Structure Elucidation Training Workshop organized by the Central Lab KNUST 31st August – 2nd September, 2015.
44. Certificate of Attendance in live training webinar on Purchasing –An Integral Part of Organization's Processes organized by International Food Safety & Quality Network on 28 August 2015.
45. Certificate of Attendance in live training webinar on Behavioral Based Food Safety organized by International Food Safety & Quality Network on 21 August 2015.
46. Certificate of Participation in the 5th KNUST Summer School Workshop for Senior Members on the theme: Sustainable Development of Tertiary Institutions in Ghana amidst Economic and Security Challenges. KNUST, 17-20 August 2015.
47. Food Hydrocolloids Certificate of Outstanding Contribution in Reviewing awarded in June 2015, in recognition of the contributions made to the quality of the journal by The Editors of Food Hydrocolloids, Elsevier
48. Certificate of Participation in the 4th KNUST Summer School Workshop for Senior Members on the theme: Advancing Science and Technology through Effective Communication, KNUST, 18-22 August 2014
49. Food Hydrocolloids Certificate of Reviewing awarded in October 2013, in recognition of review made to the journal, by The Editors of Food Hydrocolloids, Elsevier
50. Certificate of Attendance in FAO/INFOODS Training on Food Composition, especially relevant for Universities, Accra-Ghana, 25 July 2014.
51. Certificate of Participation in Africa Nutrition Epidemiology Conference, Accra, Ghana 21-25 July 2014.
52. Certificate of Participation in the 3rd KNUST Summer School Workshop for Senior Members on the theme: 'Repositioning KNUST as a Global Institution: Effective Research Management as a Tool, 26th August -2nd September 2013
53. Certificate of Recognition for duty performed as Member of Teaching Faculty - Short Course in Food Extrusion Technology, KNUST and Premium Foods Ltd., 8-13 July 2013.
54. Certificate of Participation in Introduction Course to ISO/IEC 17025 (Laboratory Quality Management Systems), Ghana Standards Authority, 11-12 December 2012.
55. Certificate of Recognition of Contribution to the Success of Living in a Material World - Researchers' Night - an Europe-wide (EU-funded) event held in University of Huddersfield, 23 September 2011.
56. Certificate of Teaching Assistant Preparation Programme 2011.
57. Fire Awareness, Safety and Extinguisher Training Certificate 2010.
58. Certificate of Mature and Postgraduate Students Officer 2007/08, UHSU.
59. Food Hygiene Certificate 2007, University of Huddersfield, UK.

PRIZES/AWARDS

Jul. 2020: **2nd Prize Award Winner** - Second Best Author with the Highest Number of Abstracts in the 9th GSA Research Seminar and Poster Presentations.

Apr. 2018: **1st Prize Award Winner** - Overall Best Author with the Highest Number of Abstracts in the 7th GSA Research Seminar and Poster Presentation.

2009-2011: **Runner-up Prize Awards**: IFST Young Scientist Competition 2009, 2010 & 2011

Sep. 2010: **Royal Society of Chemistry (RSC) - Huddersfield Local Section Trust Prize award** for the best presentation during the Research Students Conference.

2009: **Polyphenols and Health Prize (£500) Award 2009**, from GlaxoSmithKline (UK), a major pharmaceutical company, following presentation and interview in the Master's category.

INTERESTS

- Research, teaching, and photography.
- Sports - football and athletics

WEBSITES/HOMEPAGES

- **KNUST Staff webpage**: https://webapps.knust.edu.gh/staff/dirsearch/profile/summary/e088b6faaa40.html
- **Google scholar webpage:** http://scholar.google.com/citations?user=IJdejFAAAAAJ&hl=en
- **ORCID: h**ttp://orcid.org/0000-0002-8516-7656
- **ResearchGate:** https://www.researchgate.net/profile/Jacob_Agbenorhevi
- **Academia:** https://knust.academia.edu/JacobAgbenorhevi
- **Scopus: https://www.scopus.com/authid/detail.uri?authorId=35799651000**
- **Web of Science: https://publons.com/researcher/1325288/jacob-kwaku-agbenorhevi/**

REFERENCE

Available upon request.