

CURRICULUM VITAE

PROFESSOR CHRISTIAN AGYARE

Personal Profile

I am currently the Provost of College of Health Sciences at the Kwame Nkrumah University of Science and Technology (KNUST), Kumasi and a Full Professor in the Department of Pharmaceutics, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi. I have considerable experience in teaching, international relations and outreach services delivery, and vast institutional management experience, research management experience and board room experience, university teaching, collaborative research, and headship/chairmanship/membership of high profile Boards, Committees and Teams, including the following examples: First African Member, Board of Directors, Society of Medicinal Plant and Natural Product Research; Chairman, Administration, Human Resource and Legal Committee and Member of National Oversight Committee of National Health Insurance Authority; Member of Governing Boards of National Health Insurance Authority and Pharmaceutical Society of Ghana (PSGH); Executive Member of PSGH; Fellow of Ghana College of Pharmacists; Member of Quality Assurance and Legal Committee of Pharmacy Council; Member, Academic Board of KNUST; Member, Executive Committee; University Appointments and Promotions Committee, Planning and Resources Committee; Budgetary Committee of KNUST; Member, KNUST College of Health Sciences Board; Member, Management Committee of College of Health Sciences; Member, Rationalization Committee; Faculty Board, Faculty of Pharmacy and Pharmaceutical Sciences; Member, University Health Services Management Committee and Member of University Information Technology Unit (UITS) Management Committee of KNUST. I have been deeply involved in the quality assurance systems and issues; Accreditation of new programmes and Reaccreditation of existing programmes at the IDL, KNUST over past two years and also serve as an International Quality Assurance Expert for Distance Education and Learning for Namibia Council for Higher Education (NCHE). I was the Leader of Delegation from KNUST Rationalization of Academic Units and Programmes Committee's visit to University of Ghana and University of Cape Coast on their experiences with Collegiate Systems. I am an international top researcher ranked 16th in the University (KNUST) and 68th in the Country by the World Scientist and University Rankings published in January 2023 (AD Scientific Index 2023) with a very good H-index of 28. On the Academia.edu platform, I have over 155 peer reviewed publications to his credit with 4225 views and over 50 followers. With respect to my Google Scholar profile, I have a total of 150 research publications and an H-index of 28 and i10 index of 61 with 3082 citations. On ResearchGate, I have 154 publications comprising 103 research articles, 14 books/book chapters and 32 conference papers, 3 data and 2 preprints with H-index of 28 excluding self-citation, with RG score of 33.60 which is higher than 92.5% of all ResearchGate members' scores according to ResearchGate metrics. As of 17th February 2023, Professor Agyare has Research Interest Score of 2,068 which is higher than 97% of ResearchGate members, 128,373 Publication Reads, 21 Mentions and 160 Recommendations on ResearchGate.

Name: AGYARE, CHRISTIAN
Home Town: Koneyaw, Asante-Bekwai, Ashanti, Ghana
Profession: Lecturer and Pharmacist
Status/Rank: Professor
Address: Department of Pharmaceutics, College of Health Sciences,
KNUST, Kumasi, Ghana
Nationality: Ghanaian
Marital Status: Married with three children
Email: cagyare.pharm@knust.edu.gh; chrisagyare@yahoo.com
Phone: +233246369803

INSTITUTIONS ATTENDED WITH ACADEMIC QUALIFICATIONS

2018 Fellow, Ghana College of Pharmacists, Accra, Ghana

2010 Doctorate/Ph.D. (Dr. rer. nat.), Westfälische Wilhelms-Universität
(University of Muenster), Muenster, Germany

2002 Master of Pharmacy (MPharm), Kwame Nkrumah University of Science
& Technology, Kumasi, Ghana

2000 Ghana Pharmacy Professional Qualification Certificate, Pharmacy
Council, Accra, Ghana

1999 Bachelor of Pharmacy (BPharm), Kwame Nkrumah University of Science
& Technology, Kumasi, Ghana

UNIVERSITY TEACHING AND/ OR RESEARCH EXPERIENCE

ACADEMIC POSITIONS HELD

Administrative/Teaching:

Provost	College of Health Sciences, Kwame Nkrumah University of Science & Technology, Kumasi, Ghana August 2020 to July 2023
Visiting Scholar/Professor	Institute for Pharmaceutical Biology and Phytochemistry, University of Muenster, Muenster, Germany
Vice-Dean	Faculty of Pharmacy and Pharmaceutical Sciences (FPPS), Kwame Nkrumah University of Science & Technology, Kumasi, Ghana November 2019 to July 2020
Head	Quality Assurance and Planning Unit, Kwame Nkrumah University of Science & Technology, Kumasi, Ghana August 2016 to July 2020
Professor	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences (FPPS), Kwame Nkrumah University of Science & Technology, Kumasi, Ghana August 2020 to date
Associate Professor	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences (FPPS), Kwame Nkrumah University of Science & Technology, Kumasi, Ghana August 2016 to July 2020
Research Associate	Department of Pathology, University of California San Francisco, San Francisco, California, USA 2013 - 2014
Adjunct Senior Lecturer	Department of Pharmaceutical Sciences, Central University College, Accra, Ghana 2012 - 2015
Senior Lecturer	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences, Kwame Nkrumah University of Science & Technology, Kumasi, Ghana

	2011 - 2015
Deputy Exams Officer	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences, Kwame Nkrumah University of Science & Technology, Kumasi, Ghana 2004 - 2007
Lecturer	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences, Kwame Nkrumah University of Science & Technology, Kumasi, Ghana 2003 - 2010
Scientific Worker	Institute for Pharmaceutical Biology and Phytochemistry, Westfälische Wilhelms-Universität (University of Muenster), Muenster, Germany 2008 - 2010
Teaching Assistant	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana 2000 - 2002
Superintendent Pharmacist	Dadamens Pharmacy, Kumasi, Ghana 2001 - 2001
Intern-Pharmacist	Komfo Anokye Teaching Hospital, Kumasi, Ghana 1999 - 2000
Intern-Pharmacist	Community Pharmacy Practice, Rhemapharma Ltd, Kumasi, Ghana 2000 - 2000
Demonstrator	Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences, Kumasi, Ghana 1999 - 2000

AWARDS AND HONOURS

University

1. **Best Researcher Award**, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 2016

International

2. **Fellow**, Pharmaceutical Society of Ghana, Accra, Ghana, August 2019
3. **Fellow**, Ghana College of Pharmacists, Accra, Ghana, November 2018
4. **Outstanding Contribution in Reviewing Award**, August 2017, Journal of Ethnopharmacology, Published by Elsevier Amsterdam, The Netherlands.
5. **Outstanding Contribution in Reviewing Award**, July 2017, Toxicology Reports, Published by Elsevier Amsterdam, The Netherlands.
6. **Certificate of Excellence** in Reviewing and Recognition of an Outstanding Contribution to the Quality of Asian Journal of Medicine and Health, Science Domain Publishers, 2017.
7. **Young African Researcher Award**, Award Instituted by Academy of Scientific Research and Technology (ASRT), 2016.
8. **Certificate of Recognition** in Review Process for Pharmaceutical Biology, Published Francis Group, USA, 2015.
9. **Outstanding Contribution in Reviewing Award**, June 2015, Journal of Ethnopharmacology, Published by Elsevier Amsterdam, The Netherlands.
10. **Post-Doctoral Research Fellowship Award**, Australian Trust Fund, Managed by World Intellectual Property Organization (WIPO) as a Research Associate, Centre for Discovery and Innovation in Parasitic Diseases, Department of Pathology, University of California San Francisco, California, USA, June 2013 to December, 2013
11. **Post-Doctoral Fellowship Award**, Novartis/Seeding Labs at Novartis Institutes for Biomedical Research, Boston, USA, June 2011 to December 2011.
12. **International Travel Grant Award**, 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Berlin, 29th August - 2nd September, 2010.
13. **Scholarship/Fellowship Award**, Deutscher Akademischer Austausch Dienst (DAAD) (German Academic Exchange Service) for doctoral program at the Institute for Pharmaceutical Biology and Phytochemistry, Westfälische Wilhelms-Universität, Münster, Germany, March, 2007

OTHER PROFESSIONALLY RELATED EXPERIENCE

2023 to date

Editorial Member, *PLOS One*

2022 to date	Associate Editor , Translational Pharmacology Section, Frontiers Pharmacology
2022 to date	Reviewer , Scientific Reports (Nature)
2022 to date	Reviewer , Acta Tropica (Elsevier)
2019 to date	Editor , BioMed Central (BMC) Series
2019 to date	Associate Member , Editorial Board, Anti-Infective Agents (Bentham Science)
2019 to date	Member , Editorial Board, The Open Microbiology Journal
2018 to date	Fellow , Ghana College of Pharmacists
2018 to date	Associate Editor , Journal of Biotechnology and Bioresearch
2018 to date	Member , Editorial Board, International Journal of Pharma Scientific Networks and Pharmacology
2018 to date	Member , Editorial Board, Journal of Ethnopharmacology and Medicinal Foods
2018 to date	Member , Editorial Board, CPQ Microbiology Journal
2018 to date	Member , Editorial Board, SEJ Biopharmaceutics
2018 to date	Member , Asian Council of Science Editors,
2018 to date	Associate Editor , Pharmacologia
2018 to date	Associate Editor , Investigational Medicinal Chemistry and Pharmacology
2018 to date	Member , Editorial Board, Journal of Clinical Pharmacology and Toxicology
2018 to date	Member , Editorial Board, Pharmacognosy Research
2018 to date	Member , Editorial Board, United Journal of Pharmacology and Therapeutics

2017 to date	Lead Guest Editor , Evidence-Based Complementary and Alternative Medicine
2017 to date	Guest Editor , Evidence-Based Complementary and Alternative Medicine
2017 to date	Member , Editorial Board, Annals of Burns and Trauma
2017 to date	Member , Editorial Board, Journal of Pharmaceutical and Pharmacological Sciences (Gavin)
2017 to date	Member , Editorial Board, Annals of Bone Marrow Research
2017 to date	Academic Editor , Annual Research and Review in Biology
2017 to date	Member , Editorial Board, Journal of Peer Scientist
2017 to date	Member , Editorial Board, SRL Pharmaceutica Analytica Acta
2017 to date	Member , Editorial Board, Journal of Pharmacy and Nutrition Sciences
2017 to date	Review Editor , Ethnopharmacology Section, Frontiers in Pharmacology,
2016 to date	Member , Editorial Board, EC Pharmacology and Toxicology
2016 to date	Member , Editorial Board, Journal of Pharmacy and Pharmacology
2016 to date	Member , Editorial Board, Gavin Journal of Pharmaceutical and Pharmacological Sciences
2016 to date	Member , Editorial Board, Open Journal of Plant Science
2015 to date	Guest Editor , Journal of Pharmacy and Nutrition Sciences
2015 to date	Editorial Member , Journal of Pharmacognosy & Natural Products
2014 to date	Editorial Member/Editor , International Journal of Pharmaceutical Sciences and Development Research

2014 to 2018	Board Member , Board of Directors/Advisory Board, Society for Medicinal Plant and Natural Product Research (GA)
2013 to date	Member , Advisory Board, Oxidants and Antioxidants in Medical Sciences
2013 to date	Editorial Board Member , Journal of Pharmacy, Pharmacology and Pharmacoepidemiology Research
2012 to date	Editor , Scholarly and Academic Research Journals (SARJ) of Bioscience and Medicine,
2012 to date	Editor , Prime Journal of Physical Science
2004 to 2009	Editorial Member , Boletin Latinoamericano y del Caribe de Plantas Medicinales y Aromaticas (Journal of Latin America and the Caribbean for Medicinal and Aromatic Plants)

SCIENTIFIC REVIEWER (INTERNATIONAL PEER-REVIEW JOURNALS)

University

1. 2021 to date Reviewer, Research Proposals, College of Health Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
2. 2018 to date Scientific Committee, Kwame Nkrumah University of Science and Technology Research Fund (KReF), Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
3. 2017 to date Research/Grant Proposals, Kwame Nkrumah University of Science and Technology Research Fund (KReF), Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

National

4. 2018 to date Review Committee for Essential and National Health Insurance Medicines List, Ghana

International

5. 2021 to date Heliyon (Cell Press)
6. 2021 to date Journal of Wound Care

7. 2021 to date Journal of Ghana College of Pharmacists
8. 2020 to date L'Oréal-UNESCO For Women in Science Foundation,
Sub-Saharan Africa Young Talents Program
9. 2020 to date Journal of Experimental Pharmacology
10. 2019 to date African Health Sciences
11. 2019 to date South African Journal of Botany
12. 2019 to date The Scientific World Journal
13. 2019 to date Bioorganic Chemistry
14. 2018 to date Drug Design, Development and Therapy
15. 2018 to date Industrial Crops and Products
16. 2018 to date International Journal of Pharmacology, Phytochemistry
and Ethnomedicine
17. 2018 to date Pharmacognosy Magazine
18. 2018 to date Anti-infective Agents (Bentham Science)
19. 2018 to date Microbial Pathogenesis
20. 2018 to date Marmara Pharmaceutical Journal
21. 2018 to date Journal of Biologically Active Products from Nature
22. 2018 to date Biomedicine and Pharmacology
23. 2018 to date The Natural Products Journal
24. 2017 to date Medicinal and Aromatic Plants
25. 2017 to date Future Microbiology
26. 2017 to date Frontiers in Pharmacology
27. 2017 to date Clinical Pharmacology: Advances and Applications
28. 2017 to date Evidence-Based Complementary and Alternative
Medicine
29. 2017 to date Saudi Pharmaceutical Journal
30. 2017 to date Annals of Clinical Microbiology and Antimicrobials
31. 2017 to date South African Research Chairs Initiative and Research
Proposal, National Research Foundation, South Africa
32. 2017 to date Journal Clinical Pharmacology: Advances and
Applications (Dove Medical Press)
33. 2017 to date Journal of Pharmacognosy and Phytotherapy

34. 2017 to date	Annals of Burns and Trauma
35. 2016 to date	Journal of Herbal Medicine
36. 2016 to date	PLOS ONE Journal
37. 2016 to date	Experimental Biology and Medicine
38. 2015 to date	Journal of King Saud University (Science)
39. 2015 to date	Fitoterapia
40. 2015 to date	Journal of Basic and Applied Research
41. 2015 to date	Planta Medica
42. 2015 to date	International Journal of Agricultural Policy and Research
43. 2015 to date	International Archives of Medicines
44. 2014 to date	Arabian Journal of Chemistry
45. 2014 to date	Journal of Molecular Pharmaceutics & Organic Process Research
46. 2014 to date	International Journal of Plant Biology and Research
47. 2014 to date	Phytochemistry Letters
48. 2014 to date	African Advances in Microbiology Research
49. 2014 to date	Toxicology Reports
50. 2014 to date	Journal of Ethnopharmacology
51. 2013 to date	BioMed Central (BMC) Complementary and Alternative Medicine
52. 2013 to date	African Journal of Traditional, Complementary and Alternative Medicine (AJTCAM)
53. 2013 to date	African Journal of Microbiology Research
54. 2013 to date	Asian Journal of Pharmacy, Nursing and Medical Sciences (AJPNMS)
55. 2013 to date	International Journal of Phytomedicine
56. 2013 to date	British Microbiology Research Journal
57. 2013 to date	Journal of Scientific Research and Reports
58. 2013 to date	International Journal of Biological Macromolecules

59. 2013 to date	European Journal of Medicinal Plants
60. 2013 to date	Oxidants and Antioxidants in Medical Science
61. 2013 to date	Medicinal Chemistry
62. 2012 to date	Online International Journal of Microbiology Research
63. 2012 to date	Asian Pacific Journal of Tropical Medicine
64. 2012-date	Boletin Latinoamericano y del Caribe de Plantas Medicinales y Aromaticas (Journal of Latin America and the Caribbean for Medicinal and Aromatic Plants)
65. 2012 to date	Brazilian Journal of Microbiology
66. 2012 to date	Journal of Bacteriology Research
67. 2011 to date	African Journal of Pharmaceutical Biology
68. 2011- date	African Journal of Agricultural Research
69. 2011 to date	African Journal of Food Science
70. 2011 to date	African Journal of Medicinal Plants Research
71. 2008 to date	African Journal of Pharmacy and Pharmacology

MEMBERSHIP OF PROFESSIONAL BODIES

1. Ghana Science Association	2020 to date
2. Ghana College of Pharmacists	2018 to date
3. Global Young Academy	2012 to 2018

4. Society for Medicinal Plant and Natural Product Research (GA) 2009 to date
5. University Teachers Association of Ghana 2003 to date
6. Pharmaceutical Society of Ghana (As Registered Pharmacist) 2001 to date

ADMINISTRATIVE EXPERIENCE

I have acquired a lot of experience by Heading various Academic Units and also serving as on several Committees and Boards (some of which I Chair/Chaired) both within and outside the University (National and International).

UNIVERSITY (KNUST) ACADEMIC POSITIONS

1. **Provost**, College of Health Sciences, 2020 to date
2. **Chairman**, College of Health Sciences Board 2020 to date
3. **Member**, University Appointments and Promotion Committee 2022 to 2024
4. **Chairman**, College of Health Sciences Appointments and Promotion Committee 2020 to date
5. **Member**, Joint Council/Academic Board Committee on Honorary Degrees and Other Awards 2021 to 2025
6. **Chairman**, College of Health Sciences Management Committee 2020 to date
7. **Member**, Scholarships Committee 2020 to date
8. **Member**, Research and Conferences Committee 2020 to date
9. **Member**, Institute of Distance Learning Board 2023- to date
10. **Vice-Dean**, Faculty of Pharmacy and Pharmaceutical Sciences 2019 to 2020
11. **Member**, Health Services Management Committee 2019 to 2020
12. **Head**, Quality Assurance and Planning Unit, 2016 to 2020
13. **Member**, Academic Board 2016 to date
14. **Member**, Executive Committee 2016 to date
15. **Member**, Planning and Resources Committee 2016 to date
16. **Member**, Budgetary Committee 2016 to date
17. **Member**, College of Health Sciences Board 2014 to 2016
18. **Member**, Faculty Pharmacy and Pharmaceutical Sciences Board 2014 to date
19. **Non-Professorial Member**, Academic Board 2014 to 2016
20. **Member**, Board of Faculty of Bioscience 2005 to 2007

21. **Deputy Exams Officer**, Department of Pharmaceutics 2004 to 2007

MEMBERSHIP OF STATUTORY/NON-STATUTORY/AD-HOC COMMITTEES

22. **Chairman**, Committee Determine Modalities for Organization of Decentralized Congregation 2023
23. **Chairman**, Operations Committee, KNUST Teaching Hospital 2023 to date
24. **Member**, KNUST Teaching Hospital Implementation Committee 2023 to date
25. **Chairman**, Committee to Rationalize Student Numbers for Effective Teaching and Learning, under KNUST/KATH Joint Standing Committee 2023 to date
26. **Member**, Committee to Implement Performance Appraisal System for KNUST Staff at KATH under Joint KNUST/KATH Standing Committee 2023 to date
27. **Chairperson/Champion**, KNUST Sustainable Development Goals (Goal 3): Good health and Well Being Committee 2022 to date
28. **Member**, Committee for the Implementation of the KNUST Intellectual Property (IP) Policy 2022 to date
29. **Chairman**, Academic Board Sub-Committee to Re-examine/Review Revised Institute of Distance Learning (IDL) Policy 2021-2021
30. **Chairman**, Steering Committee, German Centre for Global Health and Pandemic Prevention(G-WAC), KNUST 2021 to 2025
31. **Member**, KNUST COVID-19 Management Committee 2021 to date
32. **Member**, Search Committee for the Appointment of Director of the Institute of Distance learning (IDL) 2021
33. **Chairman**, Committee to Rationalize Student Numbers for Effective Teaching and Learning 2021
34. **Member**, Committee to Review Proposals for the Elevation of the Student Account to a Division and the Establishment of Senior Member Positions in the Registrar's Offices and the Estate Organization 2021
35. **Member**, Committee for the Elevation of Quality Assurance and Planning Unit to Directorate 2021
36. **Chairman**, Committee to Inspect Facilities of Anglican University College of Technology 2020
37. **Member**, Management Committee, College of Health Sciences 2019 to date

38. **Member**, Committee for the Implementation of KNUST Intellectual Property Policy 2019 to 2021
39. **Leader**, Academic Audit Team for Affiliate Technical Universities and Private University Colleges 2019
40. **Coordinator**, NCTE Staff Audit Committee, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana 2019
41. **Team Leader**, Committee to develop Risk Register for Kwame Nkrumah University of Science and Technology 2019
42. **Member**, Advisory Team on Persons with Disability 2019 to 2020
43. **Member**, University Research Ethics Board (UREB) 2019 to 2021
44. **Member**, Scientific Committee, KNUST Research Fund (KReF) 2018 to date
45. **Chairman**, Evaluation of Renewal of Affiliation Committee 2018
(Christian Service University College)
46. **Coordinator**, Institutional Review of KNUST 2017
47. **Member**, Strategic Plan Implementation Oversight Committee 2017 to 2020
48. **Member**, Departmental Ranking Committee 2017 to 2020
49. **Leader**, Rationalization Committee Visit to University of Ghana and University of Cape Coast on their Academic Programmes, Collegiate System and **Distance Education and Learning** 2017
50. **Member**, Institutional Accreditation Committee 2017 to 2020
51. **Internal Examiner** (PhD Theses), 2017 to date
Department of Theoretical and Applied Biology, KNUST
52. **Member**, Affiliations Committee 2016 to 2020
53. **Member**, University Information Technology Unit (UITS) Management Committee 2017 to 2020
54. **Member**, Standing University Ranking Committee 2016 to date
55. **Member**, Committee to develop Taught Courses for MPhil/PhD Pharmaceutical Microbiology Programmes 2016
56. **Member**, Search Committee for the Appointment of Provost of College of Science 2016
57. **Member**, Search Committee for the Appointment of Provost of College of Engineering 2016

58. **Member**, Search Committee for the Appointment of Provost of College of Art and Built Environment 2016
59. **Member**, Information Literacy Course Committee 2015
60. **Member**, Committee on Information Literacy Studies Course 2015
61. **Chairman**, 5th KNUST Summer School Committee 2015
62. **Member**, Board of Faculty of Pharmacy and Pharmaceutical Sciences 2015 to date
63. **Chairman**, Committee to Revise Laboratory Manuals of Pharmaceutical Microbiology 2015
64. **Member**, Planning Committee for KNUST Academic Excellence and Staff Award Ceremony 2015 to 2016
65. **Member**, Committee for the Creation of Department of Pharmaceutical Microbiology 2014 to 2015
66. **Chairman**, Graduate Students' Week Celebration Committee 2014 to 2015
67. **Member**, Committee to Develop University Equality and Diversity Policy 2014 to 2015
68. **Member/Secretary**, Faculty of Pharmacy PharmD Implementation and Monitoring Committee 2014 to 2016
69. **Member**, Faculty of Pharmacy Ethical Review Committee 2014 to 2016
70. **Faculty Representative**, Faculty of Pharmacy Lecture Theatre Project 2014 to 2016
71. **Chairman**, Faculty of Pharmacy Graduate Students Week Committee 2014 to 2016
72. **Chairman**, Committee on Mentorship Programme 2014 to 2016
73. **Member**, Faculty of Pharmacy Retreat Planning Committee 2014 to 2016
74. **Coordinator**, Faculty Graduate (Research Degree) Programmes and Graduate Students 2012 to 2015
75. **Member**, Committee on Pre-qualification Criteria for Consultants to Pharmaceutical Manufacturing 2012
76. **Member**, Faculty of Pharmacy Syllabus Review Committee 2011

77. **Chairman**, Committee on Codes of Conduct for 2011 to
2015
Faculty of Pharmacy and Pharmaceutical Sciences
78. **Research Coordinator**, Department of Pharmaceutics 2011 to
2016
79. **Internal Examiner** (Master and PhD Theses), 2011 to date
Department of Pharmaceutics, KNUST
80. **Faculty Seminar Coordinator**, FPPS, KNUST 2012 to
2015
81. **Deputy Faculty Seminar Coordinator**, FPPS, KNUST 2006 to
2007
82. **Member**, Task Force for the Modernization of Senior 2004
Members Offices, Libraries and Lecture rooms/Classrooms
83. **Deputy Field/Industrial Trip Organizer**, Faculty of Pharmacy 2004 to 2007
and Pharmaceutical Sciences
84. **Deputy Exams Officer**, Department of Pharmaceutics 2003 to 2007
85. **Academic Tutor**, Department of Pharmaceutics 2003 to
date

OTHER POSITIONS HELD IN THE UNIVERSITY (HALL ADMINISTRATION)

86. **Fellow**, Independence Hall 2011 to date

APPOINTMENTS OUTSIDE THE UNIVERSITY

National Level

1. **Member**, Working Group of Experts on Research into Neglected Tropical Diseases, Ministry of Environment, Science, Technology and Innovation 2023 to date
2. **Member**, Advisory Board Mansa Memorial Hospital 2024 to date
3. **Member**, Ghana Country Advisory Board, Movement Health 2030 2023 to date
4. **External Assessor**, Promotion to Senior Research Officer, Centre for Plant Medicine Research, Ministry of Health, Mampong-Akuapem 2022
5. **Examiner**, Ghana College of Pharmacists 2022 to date
6. **Chairman**, Information Technology Committee, National Health Insurance Authority 2022 to 2024
7. **Member**, Governing Board, Ghana National Service Scheme 2022 to 2024
8. **External Assessor** for Promotion (Senior Members), University of Health and Allied Health Sciences, Ho 2021 to date
9. **Member**, Audit Committee, National Health Insurance Authority Governing Board 2021 to 2024
10. **Member**, Governing Board, National Health Insurance Authority 2021 to 2024
11. **Member**, Health Facilities Regulatory Agency, Northern Sector Governing Board 2020 to 2021
12. **Member**, Board Audit Committee, National Health Insurance Authority 2019 to 2020
13. **Member**, Board of Directors, Pharmaceutical Society of Ghana Pension Fund 2019 to 2023
14. **Chairman**, Search Committee for the Position of Ashanti Regional Manager of Pharmaceutical Society of Ghana 2019
15. **Member**, Governing Board, National Health Insurance Authority 2017 to 2024
16. **Chairman**, Administrative, Human Resource and Legal Committee, National Health Insurance Authority 2017 to 2024
17. **Member**, National Health Insurance Oversight Committee 2017 to 2024
18. **Member**, Legal and Quality Assurance Committee 2017 to 2021

- Pharmacy Council, Ghana,
19. **Chairman**, Search Committee for Deputy Executive Secretary/Project Manager, Pharmaceutical Society of Ghana (PSGH) 2017
 20. **Chairman**, Committee on Conditions of Service for Staff, PSGH 2017
 21. **Member**, Organizing Committee, 5th AfriNEAD & 7th College of Health Sciences Scientific Conference, KNUST 2016 to 2017
 22. **Electoral Commissioner**, Ashanti Regional Branch, PSGH 2015 to date
 23. **Head**, External Relations Directorate, PSGH 2015 to 2017
 24. **Member**, Finance Committee, PSGH 2015 to 2019
 25. **Executive Member**, Standing Executive Committee, PSGH 2015 to 2019
 26. **Member**, Constitutional Review Committee, PSGH 2014 to 2015
 27. **Chairman**, Academic, Social and Research Pharmacists' Association (ASRPA) of PSGH 2013 to 2015
 28. **Member**, National Governing Board, PSGH 2013 to 2019
 29. **Assistant Editor**, Graduate Students' Association of Ghana, GRASAG-KNUST Journal 2013 to 2016
 30. **Executive Member**, ASRPA, PSGH 2011 to 2013
 31. **Treasurer**, Academic and Social Pharmacy Wing of Pharmaceutical Society of Ghana 2005 to 2007
 32. **Member/Secretary**, Planning, Development and Procurement Committee, Bethel Methodist Church, Kwadaso, Kumasi, Ghana. 2004 to 2007
 33. **Chairman**, Finance and Development Committee, Bethel Methodist Church, Kwadaso, Kumasi, Ghana. 2012 to date

International level

1. **Assessor/Reviewer**, DAAD In-Country/In-Region Scholarship Programme 2022
2. **External Assessor**, National Research Foundation, South Africa 2022
3. **External Examiner**, Faculty of Science, University of Johannesburg, Johannesburg, South Africa 2021 to date
4. **Fellow**, L'Oréal-UNESCO For Women in Science Foundation 2020 to date

5. **External Assessor/Reviewer**, National Fund for Scientific and Technological Development of the Chilean National Commission for Scientific and Technological Research, Santiago Chile 2018 to date
6. **External Examiner**, Faculty of Science and Agriculture, University of Limpopo, Limpopo, South Africa 2018 to date
7. **External Examiner**, Faculty of Health Sciences, University of Pretoria, South Africa 2018 to date
8. **External Quality Assurance Expert**, Namibia National Council for Higher Education 2017 to date
9. **External Quality Assurance Expert for Distance Learning Programmes**, Namibia National Council for Higher Education 2017 to date
10. **Member**, Organizing Committee, 8th International Conference on Infectious and Inflammatory Disease, Vienna, Austria 2017 to 2018
11. **External Examiner**, Centre of Biotechnology, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, India 2017 to date
12. **Member**, Advisory Board, International Colloquium on Alzheimer and Dementia, Innovate Conferences, 2017 to date
13. **External Examiner**, Department of Pharmacology, Faculty of Health Sciences, University of Pretoria, Pretoria, South Africa 2017 to date
14. **Panel Speaker**, European Union (EU), Africa Union (AU) and DAAD, Accra, Ghana, 2017
15. **External Assessor**, University of Fort Hare and National Research Foundation, South Africa, 2016
16. **Chairman**, Travel Grant Committee, Society for Medicinal Plants and Natural Product Research (GA), 2016
17. **Member**, Scientific Committee, Joint Natural Products Conference, Copenhagen, Denmark 2016
18. **Chairman**, Oral Presentation Session (Short Lectures), 63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary. 2015
19. **Member**, Scientific Committee, 63rd International Annual Congress and Conference of the Society for 2014 to 2015

- Medicinal Plant and Natural Product Research (GA),
Budapest, Hungary,
20. **Foundation Member**, Ghana Young Academy, 2014 to date
 21. **Member**, Scientific Committee, 62nd International Annual Congress and Conference GA, 2013 to 2014
Guimarães, Portugal
 22. **Member**, Board of Directors/Advisory Board, Society for Medicinal Plant and Natural Product Research (GA) 2014 to 2018
 23. **External Assessor**, Banasthali University/Vidyapith, 2013 to date
Rajasthan, India
 24. **External Examiner**, Kenyatta University, Nairobi, Kenya, 2013 to 2016
 25. **Member**, Steering Committee, Ghana Young Academy, 2013 to 2014
 26. **Member**, Global Young Academy 2012 to date
 27. **Member**, Scientific Committee, 61st Annual Congress and Conference of the GA, Muenster, Germany 2012 to 2013
 28. **Coordinator**, Committee to draw Syllabus for Master of Science (Industrial Microbiology) Programme 2012
 29. **Referent (Ghana)**, International Jugendgemeinschaftsdienste Landesverein Berlin (IJGD) (German International Youth Service) 2008 to 2010

SPEECHES/KEYNOTE SPEAKER AND GUEST SPEAKER

1. **Deivered Professorial Inaugural Lecture** with Topic "Treating Non-curable Infectious Diseases and Wounds with Natural Knowledge and Products: The Relevance of Ethnopharmacological Studies" at the Great Hall, KNUST, Kumasi, 1st March 2023
2. **Guest Speaker**, 18th Annual General and Scientific Meeting of Ghana College of Physicians and Surgeons with theme "Improving Access to Health Care System in the New Normal: Embracing Technolog" at Premises of Ghana College of Physicians and Surgeons, Accra, 6th to 10th December, 2021
3. **Keynote Speaker**, 8th Annual General Conference of Ghana Pharmacy Technicians and Technologists association of Ghana with the theme: "Rational

Drug Use: The Role of Pharmacy technician'' at Embassy and Diplomat Hotel, Koforidua, 2nd to 7th September, 2015

MANAGEMENT AND ENTREPRENEURSHIP EXPERIENCE

1. **Founder and Board Chairman**, Life Chemist Group of Companies, Kumasi & Accra, Ghana, 2002 to date
2. **Board Member**, Bethel Methodist Church Mutual Fund, Kumasi, Ghana, 2006 to 2014

MY ACADEMIC METRICS AS AT 5TH JUNE 2023

- Google Scholar '**H**' Index = **28** and **i10** Index of **61** with **3082** citations available at https://scholar.google.com/citations?user=QqWs6_EAAAAJ&hl=en
- Scopus '**H**' Index of **26** with **2885** citations, available at <https://www.scopus.com/authid/detail.uri?authorId=6506354732>
- ResearchGate Score of **33.19** available at https://www.researchgate.net/profile/Christian_Agyare

LIST OF RESEARCH AND PROJECTS CONDUCTED

1. **Principal Investigator**, Search for antimicrobial, anti-inflammatory, wound healing and other pharmacologically/biologically active agents from medicinal plants and natural products, **2007 to date**
2. **Principal Investigator**, Ethnopharmacology of Ghanaian medicinal plants, **2006 to date**
3. **Principal Investigator**, Assessment of microbial quality of herbal preparations, **2007 to date**
4. **Principal Investigator**, *In vitro* assessment of activity and quality of antibiotics on Ghanaian market, **2011 to date**

5. **Principal Investigator**, Antibiotic resistance in humans and animals, **2011 to date**
6. **Principal Investigator**, Search for bioactive agents and compounds from Ghanaian medicinal plants and natural products against parasitic agents including different species of *Plasmodia*, *Leishmania*, *Onchocerca*, *Brugia*, *Schistosoma*, and helminths **2011 to date**
7. **Principal Investigator**, Search for anticancer agents and compounds from medicinal plants and natural products, **2014 to date**

PUBLICATIONS

Publications in Peer-Reviewed Journals

1. Brenyah, J. K., Kyei-Dompim, J., Tannor, E. T., Twum, P., Okyere, P. B., Gygpong-Korssah, B., Brenyah, F., **Agyare, C.** (2023). Assessment of non-communicable diseases screening practices among university lecturers in Ghana – a cross sectional single centre study. F1000 Research, doi.org/10.12688/f1000research.134627.2
2. Osei-Mensah, B. Boakye, D. Y., Anyan, W. K., Agana, T. A., Aboagye, A. E., Bentil I., Lomotey, E. S., Adu, F., **Agyare, C.** (2023). *In vitro* cercericidal activity, acute toxicity and GC/MS analysis of some selected Ghanaian medicinal plants. Journal of Parasitology Research, Article 4589424, 14 pages.
3. Orman E., Bekoe, O. S., Asare-Nkansah S., Kralisch I., Jato J., Spiegler V., **Agyare C.**, Oppong Bekoe E., Hensel A. (2023). Towards the development of analytical monograph specifications for the quality assessment of the medicinal plant *Phyllanthus urinaria*. *Phytochemistry*, DOI: 10.1016/j.phytochem.2023.113854.
4. Yeboaa, C., Odoi, H., Ntim, R. O., Boakye, Y. D., Kwakye-Nuako, G., **Agyare, C.**, Boamah, V. E., Badu, K. (2023). Diversity and antibiograms of bacteria isolated from cutaneous leishmaniasis wounds in Nkwanta south District of Ghana. *Archives of Microbiology*, 205: 74, 11 pages.
5. Orman, E., Oppong, S. B., Asare-Nkansah, S., Kralisch, I., Jato, J., Spiegler, V., **Agyare, C.**, Oppong, E. O., Hensel, A. (2023). Development of an analytical workflow to support the establishment of monographs in African Pharmacopoeias – *Combretum micronatum* leaves as example. *Planta Medica*, 89: 860-878.
6. Linhares, Y., Kaganski, A., **Agyare, C.**, Kurnaz, I. A., Neergeen, V., Kolodziejczyk, B. *et al.* (2023). Biodiversity: the overseen source of human health. *Trends in Molecular Medicine*, DOI: 10.1016/j.molmed.2022.12.002.

7. Jato, J., Orman, E. Boakye, Y. B., Bekoe, E. O., Oppong, S. O., Nkansah-Asare, S., Spiegler, V., Hensel, A., Liebau, E., **Agyare, C.** (2022). Anthelmintic agents from African medicinal plants: Review and Prospects. Evidence-based Complementary and Alternative Medicine, Article ID 8023866, 42 pages.
8. Orman, E., Bekoe, S. O., Jato, J., Spiegler, V., Asare-Nkansah, S., **Agyare, C.**, Hensel, A., Oppong, E. O. (2022). Quality assessment of African herbal medicine: A systematic review and the way forward. *Fitoterapia*, 162, 105287, 1-19.
9. Obeng, A. W., Boakye, Y. D., Agana, T. A., Boamah, V. E., Oppong-Kyekyeku, J., Brobbey, A. A., Adu, F., Gbedema, S. Y., **Agyare, C.** (2022). Antitrypanosomal and Anthelmintic properties of ethanol extracts of *Carica papaya* Linn. and *Ceiba pentandra* (L.) Gaertn. *Journal of Chemistry*, Article ID 5251930, 11 pages.
10. Ankomah, A. D., Boakye, Y. D., Agana, T. A., Boamah, V. E., Ossei, P. P. S., Adu, F., **Agyare, C.** (2022). Evaluation of dermal toxicity and wound healing activity of *Cnestis ferruginea* Vahl ex DC. *Advances in Pharmacological and Pharmacological Sciences*, Article ID 5268613, 11 pages.
11. Akindede, A. J., Fatokun, A. A., Uzochukwu, I. C., Steenkamp, V., **Agyare, C.**, Familoni, O., James, M. O. (2022). Editorial: Translational Research and Drug Repurposing for Non-Communicable Diseases (NCDs). *Frontiers in Pharmacology*, doi: 10.3389/fphar.2022.879611.
12. Boakye, Y. D., Osafo, N., Oppong-Kyekyeku, J., Abotsi, W. K. M., Boakye-Gyasi, E., Heiss, E., **Agyare, C.** (2022). Regulation of Nrf2 and NF- κ B activities may contribute to the anti-inflammatory mechanism of xylopic acid. *Inflammopharmacology*, doi: 10.1007/s10787-022-00950-y.
13. Odoi, H., Boamah, V. E., Boakye, Y. D., Dodoo, C. C., **Agyare, C.** (2022). Sensitivity patterns, plasmid profiles and clonal relatedness of multi-drug resistant *Pseudomonas aeruginosa* isolated from the Ashanti region, Ghana. *Environmental Health Insights*, 16, 1-10.
14. Asumang, P., Boakye, Y. D., Agana, T. A., Yakubu, J., Entsie, P., Akanwariwiak, W. G., Adu, F., **Agyare, C.** (2021). Antimicrobial, antioxidant and wound healing activities of methanol leaf extract of *Bridelia micrantha* (Hochst.) Baill. *Scientific Africa*, 14, e00980, 1-10.
15. Ankomah, D. A., Boakye, Y. D., Agana, T. A., Adu, F., **Agyare, C.** (2021). Antimicrobial properties of *Cnestis ferruginea* Vahl ex DC. *Heliyon*, e08266, 9 pages.

16. Tagoe, M., Boakye, Y. D., Agana, T. A., Boamah, V. E., **Agyare, C.** (2021). *In vitro* anthelmintic activity of ethanol stem bark extract of *Albizia ferruginea* (Guill & Perr.) Benth. Journal of Parasitology Research, Article ID 6690869, 10 pages.
17. Osei, F. O., Boamah, V. E., Boakye, Y. D., **Agyare, C.**, Abaidoo, R. C. (2021). Antibiotic resistance of bacteria isolated from water supplies used in poultry production in Ashanti region of Ghana. Open Microbiology Journal, 15, 7-15.
18. Spiegler, V., Greiffer, L., Jacobtorweihen J., Asase, A., Lanvers-Kaminsky, C., Hempel, G., **Agyare, C.**, Hensel, A. (2020). *In vitro* screening of plant extracts traditionally used as cancer remedies in Ghana –15-Hydroxyangustilobine A as the active principle in *Alstonia boonei* leaves. Journal of Ethnopharmacology 265, 113359.
19. Abdul-Nasir-Deen, A. Y., Boakye, Y. D., Osafo, N., **Agyare, C.**, Boamah, D., Boamah, V. E., Agyei, E. K. (2020). Anti-inflammatory and wound healing properties of methanol leaf extract of *Physalis angulata* L. South African Journal of Botany 133, 124-131.
20. Bekoe, E. O., **Agyare, C.**, Boakye, Y. D., Baiden, B. M., Asase, A., Sarkodie, J., Netteye, H., Adu, F., Otu, P. B., Agyarkwa, B., Amoateng, P., Asiedu-Gyekye, I., Nyarko, A. (2020). Ethnomedicinal survey and mutagenic studies of plants used in Accra Metropolis, Ghana. Journal of Ethnopharmacology, 248, 112309.
21. **Agyare, C.**, Akindele, A. J., Steenkamp, V. (2019). Natural products and/or isolated compounds on wound healing. Evidence-Based Complementary and Alternative Medicine, Article ID 4594965, 3 pages.
22. Osei, F. B., Boamah, V. E., **Agyare, C.**, Abaidoo, R. C. (2019). Physicochemical properties and microbial quality of water used in selected poultry farms in the Ashanti region of Ghana. The Open Microbiology Journal, 13, 121-127.
23. Onyegeme-Okerenta, B. M, Bradshaw, T. D., **Agyare, C.**, Spriggs, K. A. (2019). *In vitro* cytotoxic evaluation of ethanol leaf extract of *Physalis angulata* Linn on some human carcinoma cell lines. Journal of Advanced Research in Biochemistry and Pharmacology, 2(1): 2-10.
24. Adu, F., Boakye, Y. D., **Agyare, C.**, Sam, G. H., Boamah, V. E., Osei, F. B. (2019). Antibacterial resistance modulatory properties of selected Ghanaian plants. African Journal of Pharmacy and Pharmacology, 13(5): 57-69.
25. Appiah, T., **Agyare, C.**, Luo, Y., Boamah, V.E., Boakye, Y. D (2018). Antimicrobial and resistance modifying activities of cerevisterol isolated from *Trametes* Species. Current Bioactive Compounds, 14, 1-9.

26. Boakye, Y. D., **Agyare, C.**, Ayande, P. Y., Titiloye, N., Asiamah, E. A., Danquah, K. O. (2018). Assessment of wound-healing properties of medicinal plants: The case of *Phyllanthus muellerianus*. *Frontiers Pharmacology*, 9: 945.
27. Onyegeme-Okerenta, B. M, **Agyare, C.**, Bradshaw, T. D., Spriggs, K.A. (2018). Cytotoxic potential of ethanol extract of *Parquetin nigrescens* on MCF-7, C4-2WT, HT 29 and HTC 116 cell lines. *African Journal of Pharmacy and Pharmacology*, 12(23), 310-318.
28. Owusu-Ansah, A., Panyin, A. B., Obirikorang, C., **Agyare, C.**, Acheampong, E., Kwofie, S., Anto, E. O., Batu, E. N. (2018). Metabolic syndrome among schizophrenic patients: A comparative cross-sectional study in the middle belt of Ghana. *Schizophrenia Research and Treatment*, Article ID 6542983, 9 pages.
29. Kyere-Davies, G., **Agyare, C.**, Boakye, Y. B., Suzuki, B. M., Caffrey, C. R. (2018). Effect of phenotypic screening of extracts and fractions of *Erythrophleum ivorense* leaf and stem bark on immature and adult stages of *Schistosoma mansoni*. *Journal of Parasitology Research*, Article ID 9431467, 7 pages.
30. Annang, F., Pérez-Victoria, Appiah, T. Perez-Moreno, G., Domingo, E., Marti J., Mackenzie, T., Ruiz-Perez, L. Gonzalez-Pacanowska, D., Genilloud, O., Vicente, F., **Agyare, C.**, Reyes, F. (2018). Antiprotozoan sesterterpenes and triterpenes isolated from two Ghanaian mushrooms. *Fitoterapia*, 127: 341-348.
31. Adu, F., **Agyare, C.**, Sam, G. H., Boakye, Y. D., Boamah, V. E. (2018). Anthelmintic resistance modifying properties of extracts of *Cyperus difformis* L. (Cyperaceae). *Investigational Medicinal Chemistry and Pharmacology*, 2018 1(1):3.
32. **Agyare, C.**, Spiegler, V., Asase, A., Scholz, M., Hempel, G., Hensel, A. (2018). An ethnopharmacological survey of medicinal plants traditionally used for cancer treatment in the Ashanti region, Ghana. *Journal of Ethnopharmacology*, 212: 137-152.
33. Agoba, E. E., Adu F., **Agyare, C.**, Boamah, V. E. (2017). Antibiotic use and practices in selected fish farms in the Ashanti region of Ghana. *Journal of Infectious Diseases and Treatment*, 3 (2.9): 1-6.
34. Appiah, T., Boakye, Y. D., **Agyare, C.** (2017). Antimicrobial activities and time-kill kinetics of extracts of selected Ghanaian mushrooms. *Evidence-Based Complementary and Alternative Medicine*, Volume 2017, Article ID 4534350, 15 pages.
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36. Agoba, E. E., Adu, F., **Agyare, C.**, Boamah, V. E., Boakye, Y. B. (2017). Antibiotic resistance patterns of bacterial isolates from hatcheries and selected fish farms in the Ashanti region of Ghana. *Journal of Microbiology and Antimicrobials*, 9(4): 35-46.

37. Appiah, T., **Agyare, C.**, Luo, Y. (2017). Molecular identification of some Ghanaian mushrooms using transcribed regions. *Molecular Biology*, 6(3):1-5.
38. Kyere-Davies, G., **Agyare, C.**, Boakye, Y. D., Bains, T., Susuki, B. M., Mckerrow, J. H., Caffrey, C. R., Debnath, A. (2017). *In vitro* activity of selected Ghanaian medicinal plants against parasites: *Giardia lamblia*, *Entamoeba histolytica* and *Naegleria fowleri*. *African Journal of Pharmacy and Pharmacology*, 11(23): 279-283.
39. Barnes, B., Owusu-Ansah, E. D. J., Amponsah, S. K., **Agyare, C.** (2017). Diagonal rearrangement method for evaluating determinant of a 3 by 3 matrix. *Asian Journal of Mathematics and Computer Research*, 21(2): 87-97.
40. Boamah, V. E., **Agyare, C.**, Odoi, H., Adu, F., Gbedema, S. Y., Dalsgaard, A. (2017). Prevalence and antibiotic resistance of coagulase-negative *Staphylococci* isolated from poultry farms in three regions of Ghana. *Infection and Drug Resistance*, 10: 175-183.
41. Bekoe, E. O., **Agyare, C.**, Sarkodie, J., Dadebo, D. (2017). Herbal Medicines used in the treatment of typhoid in the Ga East Municipality of Ghana. *International Journal of Tropical Disease and Health*, 23 (4): 1-13.
42. Agyare, C. S., Osafo, N., **Agyare, C.**, Buabeng, K. O., Abruquah, A. A. (2017). Supply chain management of antimalarials in the district hospitals in Kumasi metropolitan area, Ashanti region of Ghana. *International Journal of Medicine and Medical Sciences*, 9(4):22-32.
43. Kasanga, E. A., Boakye-Gyasi, E., Biney, P. R., Oppong, K. J., **Agyare, C.**, Woode, E. (2017). Geraniin attenuates naloxone-precipitated morphine withdrawal and morphine-induced tolerance in mice. *Journal of Intercultural Ethnopharmacology*, 6(2): 199-205.
44. Dapaah, S. O., **Agyare, C.**, Oppong-Bekoe, E., Boakye, Y. D., Ossei, P. P. S., Asiamah, E. A. (2017). Wound healing and cytotoxicity effect of *Hillieria latifolia* and *Laportea ovalifolia*. *EC Pharmacology and Toxicology*, 3(3):72-83.
45. Spiegler, V., Pepler, C., Werne, S., Henkendorn, F., Sendker, J., Liebau, E., **Agyare, C.**, Hensel, A. (2016). Anthelmintic activity of a traditionally used root extract from *Paullinia pinnata*. *Planta Medica*, 81 (S01): S1-S381.
46. Boakye-Gyasi, E., Kasanga, E. A., Biney, P. R., Mensah, K. B., **Agyare, C.**, Woode, E. (2016). Anti-nociceptive effects of geraniin and an aqueous extract of the aerial parts of *Phyllanthus muellerianus* (Kuntze) Exell. in murine models of chemical nociception. *Iranian Journal of Pharmaceutical Sciences* 2016: 12 (3): 17-30.
47. Boakye, Y. D., **Agyare, C.**, Dapaah, S. O. (2016). *In vitro* and *in vivo* antioxidant properties of *Phyllanthus muellerianus* and its major constituent, geraniin. *Oxidants and Antioxidants in Medical Science*, 5(2): 70-78.

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51. Kesseih, E., **Agyare, C.**, Lechtenberg, M., Petereit, F., Sendker, J., Brandt, S., Hensel, A. (2016). Von der Ethnopharmakologie zur rationalen Phytotherapie: Phytochemische Charakterisierung und präklinische Untersuchungen zur potenziellen Wundheilungsaktivität von Extrakten aus *Combretum mucronatum* Schum. & Thonn. *Zeitschrift für Heilpflanzen*, 37: 59-65.
52. Spiegler, V., Liebau, E., Pepler, C., Raue, K., Werne, S., Strube, C., Henkendorf, F., **Agyare, C.**, Stark, T., Hofmann, T., Hensel, A. (2016). A hydroalcoholic extract from *Paullinia pinnata* L. roots exerts anthelmintic activity against free-living and parasitic nematodes. *Planta Medica*, 82(13):1173-9.
53. Dapaah, S. O., **Agyare, C.**, Obiri, D. D. Boakye, Y. D., Osafo, N. (2016). *In vivo* anti-inflammatory and *in vitro* antioxidant properties of *Hillieria latifolia* and *Laportea ovalifolia*. *African Journal of Pharmacy and Pharmacology*, 10(20): 442-450.
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55. Boakye, Y. D., **Agyare, C.**, Abotsi, W. K. M., Ayande, P. G., Ossei, P.P.S. (2016). Anti-inflammatory activity of aqueous leaf extract of *Phyllanthus muellerianus* (Kuntze) Exell. and its major constituent, geraniin, *Journal of Ethnopharmacology*, 187: 17-27.
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57. **Agyare, C.**, Boakye, Y. D., Apenteng, J. A., Dapaah, S. O., Appiah, T., Adow, A. (2016). Antimicrobial and anti-inflammatory properties of *Anchomanes difformis* (Bl.) Engl. and *Colocasia esculenta* (L.) Schott. *OMICS Biochemistry & Pharmacology*, 5:1-5.
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60. Komlaga, G., **Agyare, C.**, Dickson, R.A., Mensah, M.L.K., Annan, K., Loiseau, P. M., Champy, P. (2015). Medicinal plants and finished marketed herbal products used in the treatment of malaria in the Ashanti region, Ghana. *Journal of Ethnopharmacology*, 172: 333–346.
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65. Boadu, R.F., **Agyare, C.**, Adarkwa-Yiadom, M., Adu, F., Boamah, V.E. Boakye, Y. D. (2015). *In vitro* activity and evaluation of quality of some selected penicillins on the Ghanaian market using developed HPLC methods. *Medicinal Chemistry*, 5(1): 001 - 014.
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2. Boakye, Y. D., Mensah, D. O., Agyei, E. K., Agyen, R., Adjei, D. K., **Agyare, C.** (2022). Part I: Natural Phytochemicals in Gastrointestinal Disorders: "Role of Medicinal Plants in the Treatment of Hemorrhoids" & Part II: "Role of Spices and Herbs in the Management of Gastrointestinal Disorder". In: Goyal, M, R., Birwal, P., Chauhan, D. N. (Editors), "Herbs, Spices, and Medicinal Plants for Human Gastrointestinal

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CONFERENCES/SEMINARS AND WORKSHOPS

(Published Abstracts, Conference Proceedings and Papers):

Oral Presentations

15. Muizedeen, T., Appiah, T. A., Etsiapa, V. B., **Agyare, C.** (2023). Anti-trypanosomal and Anthelmintic properties of fruits of *Syzygium aromaticum*. 10th Biennial Scientific Conference, College of Health Science, KNUST, Kumasi, Ghana, 27th & 28th September 2023. Abstract number 5.
16. **Keynote Speaker**, Symposium on Natural Products Drug Discovery & Sickle Cell (virtual), Organized by Novartis Institutes for Biomedical Research, October 2022
17. Yeboaa, C., Badu, K., Odoi, H., **Agyare, C.**, Boamah V. E. (2021). Diversity of bacteria species co-infecting cutaneous leishmaniasis wounds from the Nkwanta South District of Ghana. 32nd Biennial Conference of Ghana Science Association, Kumasi, Ghana, 6th to 8th October 2021. Abstract number 14.
18. Annang, F., Pérez-Victoria, Appiah, T., Perez-Moreno, G., Domingo, E., Marti J., Mackenzie, T., Ruiz-Perez, L. Gonzalez-Pacanowska, D., Genilloud, O., Vicente, F., **Agyare, C.**, Reyes, F. (2019). Bioassay-guided isolation of four new antiprotozoal compounds from two Ghanaian mushrooms. 8th College of Health Sciences, Kwame Nkrumah University of Science and Technology & 12th Convention of Biomedical Research Ghana, Joint Scientific Conference, Kumasi, Ghana 30th to 31st July, 2019. Abstract number 36
19. Odoi, H., Boamah, V.E., **Agyare, C.** (2017). Prevalence and antibiotic resistant genes of *Pseudomonas aeruginosa* isolates from clinical and environmental samples from the Ashanti region, Ghana. VII International Conference on Environmental, Industrial and Applied Microbiology, Madrid, Spain, 18th to 20th October, 2017
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21. Boadi, M., Gbedema, S.Y., Adu, F., **Agyare, C.**, Boamah, V. E. (2016). Antimicrobial properties of microorganisms isolated from soil, sea and the Kakum River. Ghana Biochemical Convention, University of Health and Allied Sciences, Ho, Ghana, 2nd to 4th August, 2016. Abstract number 5.
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24. Boakye, Y. D., **Agyare, C.**, Ayande, P. G., Asiamah, E. A., Titiloye, N. A. (2014). Wound healing activity of geraniin and aqueous leaf extract of *Phyllanthus muellerianus* (Kuntze) Excell. (Euphorbiaceae). 62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), University of Minho, Campus of Azurém, Guimarães, Portugal, 31st August to 4th September, 2014. Abstract P2Y15.

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26. Appiah, T., **Agyare, C.**, Boamah, V. E., Adu, F. (2013). Antimicrobial activity of two wood decaying fungi. 5th Annual Scientific Meeting, College of Health Sciences, CCB Auditorium, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 14th to 15th November, 2013. Abstract number: A15.

27. Boamah, V. E. and **Agyare, C.** (2013). Antibiogram profiles of bacteria isolated from poultry farms in the Ashanti Region, Ghana. 5th Annual Scientific Meeting, College of Health Sciences, CCB Auditorium, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 14th to 15th November, 2013. Abstract number: B6.

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31. Boakye, Y.B., **Agyare, C.**, Abotsi, W.K. (2013). Anti-inflammatory activity of geraniin and aqueous extract of *Phyllanthus muellerianus* (Kuntze) Exell. NMIMR-SATREPS (JICA/JST) Medicinal Plant One-day Workshop 2013, Establishment of Effective Research Network for Infectious Diseases and Medicinal Plants in Ghana, as part of the 65th Anniversary of the University of Ghana, NMIMR Conference Hall, Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana, Legon, Accra, Ghana, 19th September, 2013. Abstract number 18.
32. Apenteng, J.A., Adu, F., **Agyare, C.**, Kesseih, E., Boakye, Y.D. (2013). Antioxidant, wound healing and cytotoxicity studies on extracts of *Pupulia lappacea*. 6th Annual Ghana Biomedical Convention, University of Cape Coast, Cape Coast, Ghana, 29th to 31st July, 2013. Abstract number 31.
33. **Agyare, C.**, Saana, S.B.B.M., Adu, F., Gbedema, S.Y. (2012). Antibiotic resistance patterns of strains of *Staphylococcus aureus* isolated from patients in three hospitals in Kumasi, Ghana. 2nd European Conference on Antimicrobial Resistance and Infection Prevention in Vilnius, Lithuania, 4th to 5th October, 2012. Abstract number 46. (OS-B2).
34. **Agyare, C.**, Ugbooduma, A.O., Adu, F., Gbedema, S.Y., Annan, K., Boamah, V.E., Agyepong, N. Antimicrobial activities of methanol extracts of *Entandrophragma angolense* stem bark. 5th Western Africa Network of Natural Products Research Scientists (WANNPRES) and AAMPS Ethnoveterinary Symposium, Ada, Osun State, Nigeria, 6th to 9th August, 2012. Abstract number SL 28.
35. Gbedema, S.Y., Agyepong, N., **Agyare, C.**, Adu, F., Boamah, V.E., Ugbooduma, A.O. Antimicrobial and antioxidant activities of ethanol extract of *Clausena anisata* Wild Hooke. 5th Western Africa Network of Natural Products Research Scientists (WANNPRES) and AAMPS Ethnoveterinary Symposium, Ada, Osun State, Nigeria, 6th to 9th August, 2012. Abstract number PO 12.
36. Ugbooduma, A., Adu, F., **Agyare, C.**, Gbedema, S.Y., Annan, K., Boamah, V.E., Agyepong, N. Antioxidant and wound healing properties of methanol stem bark extract of *Entandrophragma angolense* (Welw.) C.DC. 5th Annual Conference of Ghana Biomedical Convention, Noguchi memorial Institute for Medical Research, University of Ghana, Legon, Accra, Ghana, 30th July to 1st August, 2012. Abstract 43.
37. **Agyare, C.**, Lechtenberg, M., Deters, A., Petereit, F., Hensel, A. Ellagitannins from *Phyllanthus muellerianus*: geraniin stimulates keratinocytes differentiation and collagen synthesis of skin dermal fibroblasts- new concept for improved wound healing. 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Berlin, Germany, 29th August to 2nd September, 2010. Abstract O-2.
38. Hensel, A., Gerscher, K., Löhr, G., Kühn, J., **Agyare, C.** Proanthocyanidins and ellagitannins: new insights into the use for antiadhesive prophylaxis against viral and microbial pathogens and as skin active compounds. 58th International

Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Berlin, Germany, 29th August to 2nd September, 2010. Abstract number O-4.

Poster Presentations

39. Boateng, F., Boamah, V. E., **Agyare, C.**, R. Abaidoo, R. (2019). Physicochemical and microbial quality of poultry drinking water within the Ashanti Region of Ghana and antibiotic susceptibility test of bacteria isolated from such water. 29th European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands, 13th to 16th April, 2019. Abstract number P1228.
40. Spiegler, V., Jacobtorweihen, J., **Agyare, C.**, Hensel, A. (2018). *In vitro* cytotoxic effects of a traditionally used extract from the bark of *Kalanchoe integrata*. 66th Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) and the 11th Shanghai International Conference on Chinese Medicine and Natural Medicine, Shanghai, China, 26th to 29th August, 2018. Abstract number PO-81.
41. Osei, F. B., Boamah, V. E., **Agyare, C.**, Abaidoo, R. (2018). Microbial quality and resistance patterns of bacterial isolates from water from selected poultry farms in the Ashanti region of Ghana. 2018 Convention of Biomedical Research Ghana Conference (CoBReG 2018), Convention of Biomedical Research Ghana, University of Health and Allied Sciences, Ho, Ghana, 1st - 3rd August, 2018. Abstract number P19.
42. **Agyare C.**, Boakye Y. D., Obeng-Mensah D., Dodoo D. N. A., Akplah A. L. (2017). Antimicrobial and antioxidant activities of *Duboscia viridiflora* and *Brachyachne obtusiflora*. 65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 3rd to 7th September, 2017. Abstract number 2-PO-221.
43. **Agyare C.**, Boakye Y. D., Obeng-Mensah D., Akplah A. L. (2017). Antimicrobial and antioxidant activities of *Psydrax subcordata* and *Acioa dinklaglei*. 65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 3rd to 7th September, 2017. Abstract number 2-PO-220.
44. Appiah, T., **Agyare, C.**, Luo, Y. (2017). Identification of mushrooms using internal transcribed spacer sequencing. 10th Annual Ghana Biomedical Convention Conference, Noguchi Memorial Institute for Medical Research, University of Ghana, Legon, Accra, Ghana, 26th to 28th July, 2017. Abstract number 20.
45. Agoba, E. E., **Agyare, C.**, Adu, F., Boamah, V. E. (2016). Antibiotic use and practice fish farms in the Ashanti region of Ghana. 9th Ghana Biochemical Convention, University of Health and Allied Sciences, Ho, Ghana, 2nd to 4th August, 2016. Abstract number 705.
46. Agoba, E. E., **Agyare, C.**, Adu, F., Boamah, V. E. (2016). Multidrug resistant bacterial isolates from hatcheries and integrated fish farms in the Ashanti region.

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47. Kyere-Davies, G., **Agyare, C.**, Debnath, A., Caffrey, C., McKerrow, J. (2016). Antigiardial activity of some plant extracts and fractions from Ghana. 9th Joint Natural Products Conference, Copenhagen, Denmark, 24th to 27th July, 2016. Abstract number P199.
48. Olarbi, A. A., Bekoe, E. O., **Agyare, C.**, Osafo, Newman, O., Boamah, V. E. (2016). *In vivo* anti-inflammatory and antioxidant properties of *Albizia zygia* D. C. Macbr. . 9th Joint Natural Products Conference, Copenhagen, Denmark, 24th to 27th July, 2016.
49. Appiah, T., **Agyare, C.**, Boakye, Y. D. (2015). Antibacterial activity of different solvents extracts of four wood decaying fungi (mushrooms). 6th Annual Scientific Meeting, College of Health Sciences, KNUST School of Business Auditorium, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 27th to 28th August, 2015. Abstract number S2B4.
50. Kisseih, E., Peteriet, F., **Agyare, C.**, Lechtenberg, M. Hensel, A. (2015). Oligomeric procyanidins as inducers of cellular differentiation of epidermal keratinocytes. 63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary, 23rd to 27th August, 2015. Abstract no. PW-59.
51. Dapaah, S. O., **Agyare, C.**, Obiri, D. D. (2015). Anti-inflammatory and antioxidant properties of methanol extracts of *Hillieria latifolia* and *Laportea ovalifolia*. 63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary, 23rd to 27th August, 2015. Abstract no. PW-77.
52. Dapaah, S.O., **Agyare, C.**, Boakye, Y. D. (2015). Influence of methanol leaf extracts of *Hillieria latifolia* and *Laportea ovalifolia* on *in vitro* activity of selected antibiotics. 63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary, 23rd to 27th August, 2015. Abstract no. PW-177.
53. Dapaah, S. O., **Agyare, C.**, Kesseih, E., Boakye, Y. D. (2015). Wound healing and cytotoxicity studies of methanol extracts of *Hillieria latifolia* and *Laportea ovalifolia*. 8th Annual Ghana Biomedical Convention Conference, University of Ghana, Legon, Accra, Ghana, 29th to 31st July, 2015. Abstract no. 707.
54. **Agyare, C.**, Appiah, T., Boakye, Y. D. (2014). Antimicrobial activity of methanol extracts of four Basidiomycetes fungi. 62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), University of Minho, Campus of Azurém, Guimarães, Portugal, 31st August to 4th September, 2014. Abstract No. P1N27.
55. **Agyare, C.**, Eunice Baiden, Boakye, Y. D., Adu-Amoah, L. (2014). Antimicrobial and anti-inflammatory properties of *Portulaca oleracea*. 62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural

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56. Oguejiofor, S., **Agyare, C.**, Adu-Amoah, L., Boakye, Y. D. Antimicrobial and anti-inflammatory activity of *Baphia nitida*. 7th Annual Ghana Biomedical Convention Conference, University of Cape Coast, Cape Coast, Ghana, 30th July to 31st August, 2014. Abstract no. 75.
57. **Agyare, C.** Genotyping of bacteria isolated from poultry farms in Ghana using ERIC-2 PCR. 6th International Conference on Drug Discovery and Therapy, Dubai Women's College, Dubai, United Arab Emirates (U.A.E.), 10th to 12th February, 2014. Abstract number PO 33.
58. **Agyare, C.** Antimicrobial and wound healing properties of *Myrianthus arboreus* and *Alchornea cordifolia*. 6th International Conference on Drug Discovery and Therapy, Dubai Women's College, Dubai, United Arab Emirates (U.A.E.), 10th to 12th February, 2014. Abstract number. PO 34.
59. Boadu, R.F., **Agyare, C.**, Adu, F., Adarkwa-Yiadom, M. *In vitro* assessment of potency and quality of some selected penicillin on Ghanaian market. 6th Annual Ghana Biomedical Convention Conference, University of Cape Coast, Cape Coast, 29th to 31st July, 2013. Abstract number 73.
60. **Agyare, C.**, Dwobeng, A.S., Boakye, Y.D., Mensah, B.K., Ayande, P.G., Adarkwa-Yiadom, M. Antimicrobial and wound healing properties of *Kigelia africana* and *Strophanthus hispidus*. 5th International Conference on Drug Discovery and Therapy, Dubai, United Arab Emirates (U.A.E.), 18th to 21st February, 2013. Abstract/Poster Number PO 21.
61. **Agyare, C.**, Saana, S.B.B.M., Adu, F., Gbedema, S.Y. Antibiotic resistance patterns of strains of *Staphylococcus aureus* isolated from patients in three hospitals in Kumasi, Ghana. II International Conference on Antimicrobial Research - ICAR2012 Lisbon, Portugal, 21st to 23rd November, 2012. Abstract Number 355.
62. Apenteng, J.A., **Agyare, C.**, Adu, F., Boakye, Y.D., Antimicrobial activities of different leaf extracts of *Pupalia lappacea*. II International Conference on Antimicrobial Research - Lisbon, Portugal, 21st-23rd November, 2012. Abstract number 349.
63. Adu, F., Ugboduma, A.O., **Agyare, C.**, Gbedema, S.Y., Annan, K., Boamah, V.E. Agyepong, N. Antioxidant and wound healing properties of stem bark methanolic extract of *Entandrophragma angolense*. 5th Western Africa Network of Natural Products Research Scientists (WANNPRES) and AAMPS Ethnoveterinary Symposium, Ada, Osun State, Nigeria, 6th to 9th August, 2012. Abstract number PO 13.
64. Agyepong N., **Agyare, C.**, Adu, F., Gbedema, S.Y., Boamah, Ugboduma, A.O. Antimicrobial activities of ethanol leaf extract and fractions of *Clausena anisata*. 5th Annual Conference of Ghana Biomedical Convention, Noguchi memorial Institute for Medical Research, University of Ghana, Legon, Accra, 30th July to 1st August, 2012. Abstract 49.

65. Wiredu, C.B., Oduro, I.N., **Agyare, C.**, Annan, K., Boamah, V.E., Yam bean (*Pachyrhizus erosus* L. Urban) extracts as a natural source of antimicrobial agents. 5th Annual Conference of Ghana Biomedical Convention Conference, Noguchi Memorial Institute for Medical Research, University of Ghana, Legon, Accra, Ghana 30th July to 1st August, 2012. Abstract 61.
66. **Agyare, C.**, Lechtenberg, M., Hensel, A. (2011). Composition of polysaccharides from aqueous extracts of some wound healing plants. 59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Antalya, Turkey, 4th to 9th September, 2011. Abstract PA8.
67. **Agyare, C.**, Koffour, G.A., Boamah, V.E., Gbedema, S.Y., Adu, F. (2011). Antimicrobial and anti-inflammatory activities of *Funtumia elastica* (Preuss) Satpf (Apocynaceae) and *Macanaga heterophylla* Muel (Euphorbiaceae). West Africa Network of natural products research Scientists (WANNPRES) Symposium, Kumasi Ghana, 24th March, 2011. Abstract A006.
68. Adu, F., Gbedema, S.Y., **Agyare, C.**, Boamah, V.E., Annan, K. (2011). Antimicrobial and antioxidant of *Thuga occidentalis* L. (Cupresaceae). West Africa Network of Natural Products Research Scientists (WANNPRES) Symposium, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 24th March, 2011. Abstract A026.
69. **Agyare, C.**, Rogge, S., Baumann, A., Lechtenberg, M., Hensel, A. Quality control analysis of geraniin in dried leaves of *Phyllanthus muellerianus* (Kuntze) Exell. 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Berlin, Germany, 29th August to 2nd September, 2010. Abstract P513.
70. Njonka, D., **Agyare, C.**, Luersen, K., Hensel, A., Liebau, E. *In vitro* anthelmintic activity of medicinal plants from Cameroon and Ghana, Network Meeting of the Alexander von Humboldt Foundation, Oldenburg, Germany, 7th to 9th October, 2009.
71. **Agyare, C.**, Lechtenberg, M., Hensel, A. Phytochemical screening and effect of selected Ghanaian plants on viability of HaCaT-keratinocytes cells. Young Researchers Meeting, Institute for Pharmaceutical Biology and Phytochemistry, Westfälische Wilhelms-Universität, Germany, 13th to 14th March, 2009. Abstract 018.
72. **Agyare, C.**, Lechtenberg, M., Hensel, A. Influence of some Ghanaian medicinal plants on skin cells. Young Researchers Meeting, Institute for Pharmaceutical Biology and Phytochemistry, Westfälische Wilhelms-Universität, Germany, 13th to 14th March, 2009. Abstract 019.
73. **Agyare, C.**, Lechtenberg, M., Hensel, A. Phytochemical screening and effect of selected Ghanaian plants on viability of skin keratinocytes cells. Afrikatag, Deutscher Akademischer Austausch Dienst (DAAD), University of Köln (Cologne), Köln, Germany, 21st to 22nd November 2008. Abstract 036.

74. **Agyare, C.**, Hensel, A. Ethnopharmacological survey of plants used for the management of wounds in Bosomtwi-Atwima-Kwanwoma district in Ghana, West Africa. Afrikatag, Deutscher Akademischer Austausch Dienst (DAAD), University of Köln (Cologne), Köln, Germany, 21st to 22nd November 2008. Abstract/poster 058.
75. Mensah, A.Y., Houghton, P.J., **Agyare, C.**, Fleischer, T.C, Mensah, M.L.K, Sarpong, K. Activities relevant to wound healing of some plants used traditionally in Ghana, International Congress on Natural Products Research (ICNPR-2004), Phoenix-Arizona, USA, 31st July to 4th August, 2004.
76. Mensah, A.Y., Houghton, P.J., **Agyare, C.**, Fleischer, T.C., Mensah, M.L.K. Wound healing activities of *Commelina diffusa*, Science Proceedings, British Pharmaceutical Conference, Manchester, UK. 2004, Abstract 009.

COURSES TAUGHT

For over 20 years my contribution to teaching in the University, in the Faculty of Pharmacy of Pharmacy and Pharmaceutical Sciences, Departments of Pharmaceutics and Herbal Medicine, KNUST has been exemplary.

Postgraduate Courses

Research Methods

Advanced Immunology and Immunotherapy

Advanced Sterilization, Disinfections and Preservation

Molecular Biology and Pharmaceutical Biotechnology

Immunology and Immunotherapy

Infectious Diseases and Microbial Resistance

Introduction to Pharmaceutical Microbiology and Pharmaceutics

Undergraduate Courses

Basic Pharmaceutical Microbiology I

Basic Pharmaceutical Microbiology II

Pharmaceutical Biotechnology

Immunology and Immunotherapy

Chemotherapy

Industrial Pharmacy

SUPERVISION OF STUDENT PROJECTS

Supervised over **52** undergraduate (**BPharm, BHM and PharmD**) students on various aspects of natural products research (including the search for antimicrobial and antimicrobial resistance modifying agents, wound healing agents, anti-inflammatory and antioxidant agents) and the identification and isolation of resistance strains of microorganisms.

In the last 10 years I have also supervised over 17 Postgraduate students (Ph.D. and M.Phil.)

Ph.D. Supervision/Theses

1. **Adu Francis (2017)**. Antibiotic and anthelmintic resistance modifying properties of *Cyperus difformis* and other selected medicinal plants
2. **Theresah Appiah (2017)**. Anti-infective property of isolated compounds of selected mushrooms
3. **Yaw Duah Boakye (2015)**. Antimicrobial and wound healing activities of *Phyllanthus muellerianus* and its major isolate geraniin.
4. **Vivian Etsiapa Boamah (2015)**. Antibiotic use and resistance patterns of *Staphylococcus species* and *Escherichia coli* isolates from selected poultry farms in three regions of Ghana.

M.Phil Theses

1. **Mariam Tagoe (2020)**. *In vitro* anthelmintic activity of ethanol stem bark extract of *Albizia ferruginea*.
2. **Mr. Yahuza Nantomah Abdulai (2019)**. Wound healing assessment of aqueous and hydro-methanolic extracts of *Pleurotus ostreatus*.
3. **Elizabeth Baidoo (2019)**. Resistance pattern and mechanism of resistance of *Klebsiella pneumoniae* isolates among patients in selected hospitals in the Ashanti region of Ghana
4. **Crystal Zumbi (2018)**. Antibiotic resistance mechanisms of methicillin resistant *Staphylococcus aureus* (MRSA) isolates from selected hospitals in Ashanti region, Ghana
5. **Frank Boateng Osei (2018)**. Microbial quality and resistance pattern of bacterial isolates from water samples from selected farms in Ashanti region of Ghana

6. **Vivian Hamond (2017)**. Formulation of a suitable dosage form from aqueous leaf extract of *Phyllanthus muellerianus* as a wound healing agent.
7. **Hayford Odoi (2016)**. Resistant pattern of *Pseudomonas aeruginosa* isolated from poultry, humans and the environment.
8. **Gertrude Kyere-Davies (2016)**. Anti-parasitic activities of some selected medicinal plants and marine algae in Ghana.
9. **Adam-Yakubu Abdul-Nasir-Deen (2016)**. Anti-inflammatory and wound healing properties of *Physalis angulata* L. and *Tapinanthus bangwensis* (Engl. & Krause) Danser
10. **Esther Eynam Agoba (2015)**. Use of antibiotics and resistance patterns of bacterial isolates from selected fish farms in the Ashanti region of Ghana.
11. **Susana Oteng Dapaah (2015)**. Biological activities of *Hillieria latifolia* (Lam.) H. Walth and *Laportea ovalifolia* (Schumach) Chew.
12. **Edward Sowah Mensah (2014)**. Antimicrobial and antioxidant activities of methanol, chloroform and petroleum ether fruit extracts of *Alchonea cordifolia*.
13. **John Antwi Apenteng (2014)**. Antimicrobial, antioxidant, wound healing and *in vitro* cytotoxicity studies on different leaf extracts of *Pupallia lappacea*.
14. **Rita Frema Boadu (2014)**. Determination of potency and quality of some selected penicillins on the Ghanaian market using microbiological and developed and validated HPLC methods.
15. **Louis Adu-Amoah (2014)**. Antimicrobial and toxicity studies of *Erythrophleum ivorense* (Leguminoceae) and *Parquetina nigrescens* (Ascelpiadaceae)
16. **Nicholas Agyepong (2012)**. Phytochemical characterization, antimicrobial and wound healing properties of *Clausena anisata* (Rutaceae).
17. **Anthonia Ugbooduma Ogheneruno (2012)**. Antimicrobial and wound healing studies on *Entandrophragma angolense*.
18. **Bayaa Martin Saana Bieranye Sixtus (2011)**. Resistance patterns of strains of *Salmonella typhi* and *Staphylococcus aureus* isolated from patients from three hospitals in Kumasi to antibiotics.

BPharm/BHM Project Reports

1. **Lindsay Addae (2019)**. Antimicrobial and wound healing activities of *Loeseneriella africana* (Willd)
2. **Chidi Harmony Stephen (2019)**. Antimicrobial and *in vivo* wound healing activities of *Loeseneriella africana* (Willd).

3. **Asirifi-Yeboah Boateng (2019)**. Antimicrobial and wound healing activity *Manihot esculenta* (Crantz).
4. **Nkpoikanna-Abasi Ifreke Ekpa (2019)**. Antimicrobial and *in vivo* wound healing activity of methanol leaf extract of *Loeseneriella africana* (Willd).
5. **Oduro-Asare Nana Abena (2019)**. Antimicrobial and *in vivo* wound healing activity of methanol extract of *Loeseneriella africana* (Willd) bark.
6. **Adjei Reginald Darko (2018)**. Evaluation of the *in vitro* antimicrobial activity of some novel 1, 2,4-triazole compounds.
7. **Ernest Monney (2018)**. Antimicrobial activity of some newly synthesized triazole derivatives.
8. **Joseph Agbeehia (2018)**. Antimicrobial activity of some novel triazole compounds
9. **Ama Okyerewaa Aidoo (2018)**. Antimicrobial activity of nascent triazole compounds.
10. **Baidoo Emmanuel (2018)**. Database management system for project thesis in Pharmaceutics Department
11. **David Gyamfi (2018)**. Antimicrobial activity of some newly synthesized triazole derivatives.
12. **Asamu Yusuff Adeteju (2018)**. Evaluation of the *in vitro* antimicrobial activity of some novel 1, 2,4-triazole compounds.
13. **Oppong Edwina Sarpong (2017)**. Ameliorative effect of *Phyllanthus muellerianus* on acetic acid induced colitis in rats.
14. **Ofori Esther Dei (2017)**. Antimicrobial, antioxidants and anti-inflammatory activities of *Hunteria ghanensis*.
15. **Baidoo John Kuffuor (2017)**. Evaluation of the *in vitro* antibacterial activity of cephalosporins and tetracyclines on the Ghanaian market.
16. **Antwi Philip Nana Gyimah (2017)**. Evaluation of the *in vitro* antibacterial activity of amoxicillin and cloxacillin on the Ghanaian market.
17. **Agyekum Kwame Owusu (2017)**. Evaluation of the *in vitro* antibacterial activity of floxacillin and ampiclox on the Ghanaian market.
18. **Green Harris Isabella (2017)**. Evaluation of the *in vitro* antibacterial activity of flouroquinolones on the Ghanaian market
19. **Daniel Obeng Mensah (2016)**. Antimicrobial, anti-inflammatory and antioxidant properties of Psydrax subcordata (D.C. Bridson).

20. **Jennifer Tankoh (2016)**. Antimicrobial, anti-inflammatory and antioxidant properties of leaf extracts of *Acioa dinklagei* (Engl) and *Shwenkia americana* L.
21. **Deborah Naa Amua Dodoo (2016)**. Antimicrobial, anti-inflammatory and antioxidant properties of *Duboscia viridiflora* (Malvaceae).
22. **Leslie Atta Akplah (2016)**. Anti-inflammatory, antimicrobial and antioxidant properties of *Acioa dinklagei* (Engl) and *Brachyachne obtusiflora* (Benth) C. E. Hubb.
23. **Silvia Yaa Dufie (2016)**. Antibiotic resistance patterns of clinical isolates of *Klebsiella pneumoniae* from Kumasi metropolis.
24. **Karen Anoa Tutu (2016)**. Antibiotic resistance patterns of clinical isolates of *Pseudomonas aeruginosa* from Kumasi metropolis.
25. **Prince Ezekiel Yensombre Allan (2016)**. Antibiotic resistance pattern of clinical isolates of *staphylococcus aureus* and *Escherichia coli* from selected hospitals in Kumasi metropolis.
26. **Njini Wainchom (2016)**. Antibiotic resistance pattern of clinical isolates of *Proteus mirabilis* from selected hospitals in Kumasi metropolis.
27. **Daniel Tei Ofoe (2016)**. Antibiotic resistance patterns of *Salmonella typhi* isolated from selected hospitals and medical laboratories in Kumasi metropolis.
28. **Frederic Nana Mireku Danso (2016)**. In vitro antibacterial activity of chloramphenicol, tetracycline and doxycycline samples on the Ghanaian market.
29. **Adjei Sandy Nana (2016)**. Evaluation of the *in vitro* antibacterial activity of ciprofloxacin, erythromycin and azithromycin samples on the Ghanaian market.
30. **Adobea Adow (2015)**. Antimicrobial and anti-inflammatory properties of *Anchomanesdifformis* Engl. and *Colocasia esculenta* L. Schott.
31. **Stanley Ogujiuba (2015)**. *In vitro* evaluation of the activity and quality of some macrolide antibiotics on Ghanaian market.
32. **Elisabeth Akua Baidoo (2015)**. Evaluation of activity of flucloxacillin and ampiclox samples in Kumasi, Ashanti region.
33. **Dominic Asante Ohene (2015)**. Evaluation of activity of fluoroquinolones antibiotics on Ghanaian market.
34. **Grace Eunice Obeng (2015)**. *In vitro* activity of some amoxicillin and cloxacillin samples in Kumasi Metropolis.

35. **Joseph Asumadu Poku (2015)**. *In vitro* assessment of antibacterial activity of cephalosporins samples on Ghanaian market.
36. **Somto Oguejiofor (2014)**. Antimicrobial and anti-inflammatory activities of *Baphia nitida* (Fabaceae)
37. **Eunice Baiden (2014)**. Anti-infective and anti-inflammatory properties of *Portulaca oleracea* (Portulacaceae)
38. **Awura Ama Olarbi (2014)**. Antioxidant and anti-inflammatory properties of the ethanol leaf and stem-bark extracts of *Albizia zygia*
39. **Isaac Buabeng Nyantakyi (2014)**. *In vitro* assessment of flucloxacillin and ampiclox samples on the Ghanaian market
40. **Kate Damaris Coleman (2014)**. *In vitro* evaluation of the activity of tetracycline and doxycycline samples on the Ghanaian market
41. **Kofi Amissah-Hagan (2014)**. Evaluation of the activity of aminoglycosides and aminocyclitol samples on the Ghanaian market.
42. **Mary Kumiwaa (2014)**. Evaluation of the microbial quality and antimicrobial activity of some herbal preparations in Ghana
43. **Thomas Opoku Frimpong (2014)**. *In vitro* assessment of the antibacterial activity of cephalosporin samples on the Ghanaian market
44. **Fouzia Salifu (2014)**. Evaluation of the *in vitro* of the activity of amoxicillin and cloxacillin samples on the Ghanaian market
45. **Leonard Senam Gu (2014)**. Evaluation of the activity of fluoroquinolone samples on the Ghanaian market.
46. **Ivy Yaa Kyere (2013)**. Antimicrobial, antioxidant and wound healing properties of *Zanthoxylum leprieurii*
47. **Angela Owusu-Ansah (2013)**. Antimicrobial, antioxidant and wound healing properties of *Myrianthus arboreus* (P. Beauv) and *Alchornea cordifolia* (Schumach. & Thonn)
48. **Ebenezer Amuah (2013)**. Antimicrobial, antioxidant and wound healing properties of the methanol leaf extracts of *Mallotus oppositifolius* (Geiseler) Muell. Arg. and *Momordica charantia* L.
49. **Herbert Sarkodie (2013)**. An ethno-pharmacological survey of medicinal plants used for the management of helminthiasis in the Ashanti Region
50. **Bernard Agyei Kwanin (2013)**. Evaluation of flucloxacillin and ampiclox samples from various pharmacies in Kumasi, Ghana

51. **Priscilla Tweneboah (2013)**. Evaluation of activity of some cephalosporin samples from various pharmacies in Kumasi, Ghana
52. **Matilda Adu (2013)**. Evaluation of activity of some amoxicillin and cloxacillin samples on the Ghanaian market
53. **Ernest Twumasi-Ankrah (2013)**. *In vitro* assessment of the potency of some fluoroquinolones samples in Kumasi
54. **Solomon Boamah Bempah (2012)**. Antimicrobial and wound healing properties of *Lannea welwitschii* and *Justica flava* leaf extract
55. **Anita Serwaah Dwobeng (2012)**. Antimicrobial and wound healing properties of *Kigelia africana* and *Strophanthus hispidus*
56. **Phoebe Oppong (2012)**. Microbial evaluation of some penicillins on the Ghanaian market.
57. **Kwasi Opoku-Agyeman (2007)**. Antimicrobial and acute anti-inflammatory properties of *Funtumia elastica* and *Maracaga heterophylla*.
58. **Angela Mensah (2007)**. Antimicrobial and acute anti-inflammatory properties of *Cola gigantea* and *Pterygota macrocarpa*.
59. **Osei Yaw Akoto (2007)**. Antimicrobial and acute anti-inflammatory properties of *Sterculia tragacantha* and *Entandrophragma candollei*.
60. **Angela Iniobong Essien (2006)**. Antimicrobial and phytochemical properties of *Nauclea latifolia*, *Bridelia atroviridis* and *Zanthoxylum gilletii*.
61. **Emmanuel Boakye Sefah (2007)**. Microbial quality of some oral and tropical herbal preparations on Ghanaian market.
62. **Sarah Tabbica (2005)**. Antimicrobial and antioxidant properties of *Xylia evansii* and *Carapa procera*.
63. **Jasmin Boakye-Yiadom (2005)**. Antimicrobial and antioxidant properties of *Albizia ferruginea*.
64. **Akua Afriyie Karikari (2005)**. Microbial quality of herbal preparations on Ghanaian market.

SUPERVISION OF CURRENT POSTGRADUATE STUDENTS (PHD/MPHIL/MSC) RESEARCH WORKS

I am currently supervising **Three (3) PhD** and **four (4) MPhil/MSc** students.

Student Name	Programme	Research Topic	Period
1. Jonathan Jato	PhD (Pharmaceutical Microbiology)	Molecular mechanisms underlying the anthelmintic properties of proanthocyanidins and related polyphenols	2019-2023
2. Mr. Frank Boateng Osei	PhD (Pharmaceutical Microbiology)	Antimicrobial and wound healing activities of <i>Ricindendron heudelotti</i>	2018 - 2022
3. Mr. John Antwi Apenteng	PhD (Pharmaceutical Microbiology)	Identification and isolation of chemotherapeutic agents from marine macro algae	2016 - 2020
4. Mr. Daniel Obeng-Mensah	MPhil (Pharmaceutical Microbiology)	Antibiotic Resistance of Enteric Bacteria in HIV-Infected Patients at Komfo Anokye Teaching Hospital in the Ashanti Region of Ghana	2019-2021
5. Miss Miriam Tagoe	MPhil (Pharmaceutical Microbiology)	Investigation of the Anthelmintic activity of <i>Albizia ferruginea</i>	2017 - 2020
6. Mrs. Abena Kyeraa Sarpong	MPhil (Pharmaceutical Microbiology)	Vulvovaginal candidiasis risk factors and antifungal resistance pattern of <i>Candida albicans</i> to some antifungal agents	2016 - 2020
7. Mr. Solomon Amoh Acheampong	MPhil (Pharmaceutical Microbiology)	Antibiotic resistance patterns of <i>Klebsiella pneumoniae</i> and <i>Streptococcus pneumonia</i>	2017 - 2020

SUPERVISION OF CURRENT UNDERGRADUATE STUDENTS (PHARMD/BHM) PROJECT WORKS

I am currently supervising nine (9) PharmD students.

Student Name	Programme	Research Topic	Period
1. Prempeh Kofi Nimoh	PharmD	Assessment of the wound healing activities of <i>Ampelocissus multistriata</i> leaves	2019-2020
2. Miss Sample Soala Precious	PharmD	Microbial quality assessment of various brands of sachet water sold on the streets of Kumasi metropolis	2019-2020
3. Yeboah Richard Asiedu	PharmD	Microbial quality assessment of various sources of water used for pharmaceutical production in selected Pharmaceutical industries in Ghana	2019-2020
4. Miss Fremah Ama Abankroh	PharmD	Assessment of the efficacy of different brands of Gentamycin and Ceftriaxone dispensed in selected Pharmacies in the Kumasi metropolis	2019-2020
5. Miss Debrah Maame Adwoa Effah	PharmD	Antibiotic sensitivities of <i>Salmonella</i> and <i>Pseudomonas</i> isolates from patients in some Tertiary and District healthcare facilities in some selected regions in Ghana	2019-2020
6. Nfim Clement Boakye	PharmD	Resistance-modifying activities of <i>Ricinodendron heudolleti</i> aqueous stem bark extract on quinolones and tetracyclines	2019-2020
7. Nakpenaah Paulinus	PharmD	Microbial quality assessment of water used in some beverage-producing companies in 3 major regions of Ghana	2019-2020
8. Oteng-Amankwah, Esther Afiah	PharmD	Assessment of the wound healing and anti-inflammatory	2019-2020

		activities of <i>Ficus capensis</i> leaves	
9. Bechi, Philip Awittor	PharmD	Assessment of the anti-inflammatory and antimicrobial activities of the leaves extract of <i>Portulaca oleracea</i>	2019-2020

AWARDS AND FELLOWSHIPS (RESEARCH GRANTS) AND FUNDS ATTRACTED

Over the **past 20 years** I have written or have been part of Teams writing project proposals which have raised significant development, donations, research grants and funds, these include:

1. **Donation of Toyota 30-Seater Bus from National Health Insurance Authority (NHIA).** To improve the transportation of students to external teaching sites, as a Provost of College of Health Sciences, I facilitated the donation of the vehicle from NHIA to the School of Medicine and Dentistry, KNUST, Kumasi

US\$ 120,000.00 (¢1,300,000.00). 2023

2. **German Academic Exchange Service (DAAD) to Establish German-West African Centre for Global Health and Pandemic Prevention.** To establish a Centre of excellence dedicated to addressing the existential threat of global pandemics to health and the welfare of people in the West-African sub-region and beyond through research and capacity building.

€ 2,800, 000.00 (US\$ 3,080,000.00). 2021

3. **German Research Council (DFG) Infectiology Project.** New insights into pharmacodynamic properties of natural products: Molecular mechanisms underlying the anthelmintic properties of proanthocyanidins and related polyphenols, Germany

€ 3,500, 000.00 (US\$ 3,901,625.00). 2019

4. **Sponsorship/Donation from Life Chemist Ltd, Accra & Kumasi, Ghana:** Renovation and Refurbishment of Office (Room C103), Department of Pharmaceutics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

¢40,000.00 (USD 7,272.72). 2019

5. **Fidelity Bank Sponsorship Project:** Installation of 500 Dustbins in Kumasi Metropolis by Kwame Nkrumah University of Science and Technology, Kumasi, in collaboration with Kumasi Metropolitan Assembly, Funded by Fidelity Bank, Ghana

¢ 356,000.00 (US\$ 80,000.00). 2018

6. **Donation from Danny Praise Computers Co. Ltd, Kumasi, Ghana:** Office Furniture to the Head of Unit office, Quality Assurance and Planning Unit, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

¢10,000.00 (USD 2,382.00). 2017

7. **GCRF-BBR:** West African bioactive plant products: pipeline for maximizing potential, Funded Biotechnology and Biological Sciences Research Council (BBSRC), United Kingdom
GBP £139,210.00 (USD US\$180,433.00.00). 2018
8. **Engineering and Physical Sciences Research Council (EPSRC) project** on identification and preservation of medicinal plants in West Africa
GBP £11,940.00 (USD 16,089.00). 2017
9. **Donation of Funds from Mmanab Co. Ltd, Kumasi, Ghana:** Renovation and Refurbishment of Quality Assurance and Planning Unit General Office, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
₵30,000.00 (USD 7,145.00). 2017
10. **Travel Grant** for International Network for Quality Agencies in Higher Education (INQAAHE) 2017 Conference in Manama, Kingdom of Bahrain
USD 2,500.00. 2017
11. **Academy of Scientific Research and Technology (ASRT)** of Egypt, Young African Researchers' Award, 2015
USD 15,000.00. 2016
12. **TWAS fellowship** for Ms. Theresa Appiah for her PhD research on antimicrobial agents from mushrooms
USD 15,000.00. 2016
13. **University of Ghana Research Fund (UGRF), 9th Call, Investigator grant Category**
USD 10,000.00. 2016
14. **5th KNUST Summer School Donations**
USD 13,000.00. 2015
15. **4th KNUST Excellence Awards**
USD 10,000.00. 2015
16. **World Intellectual Property Organization (WIPO)/Australian Government Trust Project** on Neglected Tropical Diseases
USD 70,000.00. 2015
17. **Society for Medicinal Plant and Natural Product Research/Dr. Willmar Schwabe Research Scholarship for Young Scientist** on Mechanism of actions for Anti-inflammatory activity of Geraniin and *Phyllanthus muellerianus* (Yaw Duah Boakye, PhD student), Tenable at University of Vienna, Austria.
€10,000.00 (USD 11,400.00). 2015
18. **Mwalimu Nyerere African Union Scholarship Scheme Award/ Scholarship and African Union Commission Scholarship** for Ms. Theresa Appiah on a project titled 'Search for antimicrobial agents from wood decaying and soil fungi'.

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|---|-----------------------------------|-------------|
| | USD 12,000.00. | 2013 |
| 19. Novartis/Seeding Lab project on Natural Product Research | | |
| | USD 20,000.00. | 2013 |
| 20. Kwame Nkrumah University of Science and Technology (Research and Conference Research Grant) , Project: Antibiotic Resistance in Poultry in Ghana | | |
| | USD 5,000.00. | 2012 |
| 21. Kwame Nkrumah University of Science and Technology/Building Stronger Universities (BSU) /DANIDA , Project: Antibiotic Resistance Project | | |
| | USD 100,000.00. | 2012 |
| 22. L'OREAL-UNESCO grants for Women in Science , Project: Antibiotic resistance in poultry | | |
| | USD 20,000.00. | 2012 |
| 23. Deutscher Akademischer Austausch Dienst (DAAD) Small Projects for equipment : Search for antimicrobial agents from medicinal plants from Ghana | | |
| | €2,000.00 (USD 2,270.00). | 2010 |
| 24. Deutscher Akademischer Austausch Dienst (DAAD) , German Government | | |
| | €45,000.00(USD 51,000.00). | 2007 |
| 25. Teaching and Learning Innovation Fund (TALIF) - World Bank Grant for Training of technical/support staff for social research and investigation | | |
| | USD 5,000.00. | 2006 |

TOTAL GRANTS/FUNDS/FELLOWSHIPS ATTRACTED: USD 7,859,208.17

UNIVERSITIES/INSTITUTIONS WHERE I HAVE HELPED ESTABLISH LINKS/SCHOLARSHIPS FOR KNUST

My association with our International Partners in sister Universities and other multinational organizations resulted in increased Research and Grant Partnerships, Postgraduate Training, Faculty and Student Exchanges. Notable ones include:

1. **GEOMAR Centre for Marine Biotechnology (GEOMAR-Biotech) & Marine Natural Products Chemistry Research Unit, Kiel, Germany:** Support for Research and Postgraduate training (1 PhD on-going)
2. **Department of Pathology, University of California San Diego, San Diego, California, USA:** Support for Research and Postgraduate training (1 MPhil)
3. **Department of Pharmacognosy, Pan African University of Life and Earth Sciences, University of Ibadan, Ibadan, Nigeria:** Postgraduate Training (1 MPhil)
4. **Department of Pathology, University of California San Francisco, San Francisco, California, USA:** Support for Research (Faculty)
5. **Institute for Pharmaceutical Biology and Phytochemistry, Westfälische Wilhelms-Universität (University of Muenster), Muenster, Germany:** Support for Research and Postgraduate training (3 PhDs, 2 PhDs completed and One PhD on-going)

LEADERSHIP AND MANAGEMENT TRAINING PROGRAMMES

1. **Health Facility Planning Course** organized by Total Alliance Health Partners International (TAHPI), Dubai, United Arab Emirates, 21st August to 1st September 2023
2. **Dialogue on Innovative Higher Education Strategies (DIES) International Deans Course Africa 2023/2024 Part I**, organized by the German Academic Exchange Service (DAAD), the German Rectors' Conference (HRK), Osnabruck University of Applied Sciences and Centre for Higher Education (CHE) held from 19th to 30th June 2023 in Osnabruck and Berlin, Germany
3. **Executive Leadership Development Course;** Modules included Leadership Mindset; Managing Change; leading Others, Managing Communication; Holistic University Administration in the Century; Towards Achievement the Wider Vision for Your University as a Leader; Leading Resource Mobilization; organized by KNUST E-Learning Centre, KNUST, May 2023 in Kumasi, Ghana.

ATTENDANCE AT NATIONAL/INTERNATIONAL CONFERENCES, MEETINGS AND WORKSHOPS

To remain networked amongst my peers to promote teaching, research and collaborations, I have participated in various national and international meetings, workshops and seminars.

International

1. **2023 Africa Higher Education Health Collaborative Convening**, Theme: "Our health, Our Wealth in Africa for Africa", organized Mastercard Foundation and University of Cape Town, Breakwater Lodge Conference Centre, Cape Town, South, 15th to 17th October 2023
2. **Business & Operational Models for Biomanufacturing Training Centres** in Africa organized by Africa Centres for Diseases Control and Prevention (CDC) & German Development Cooperation (GIZ), Fiesta Royal Hotel, Accra, Ghana, 23rd to 24th October 2023
3. **Symposium on Natural Products Drug Discovery & Sickle Cell**, Organized by Novartis Institutes for Biomedical Research, 10th October 2022

National

1. **5th Ghana Health Policy Dialogue with the Ministry of Health**, Organized by the School of Public Health, KNUST & Technical University, Berlin, Germany, Volta Serene, Volta Region, 28th November 2022
2. **2022 Board/CEO/CAE Governance Workshop**, Theme: 'Elevating Corporate Sustainability', Organized by The Institute of Internal Auditors, Movenpick Ambassador Hotel, Accra, 23rd November, 2022
3. **Sensitization and Consensus Meeting on Labour Market Analysis for the Health Sector**, Organized by the Ministry of Health, Ministry of Health Conference Room, Accra, 18th November, 2022
4. **Good Clinical Practice (GCP) 2022 Workshop** for Continuous Professional Development/Skills for Excellence in Science Series (SEXISS), organized by German-West Africa Centre for Global Health and Pandemic Prevention (GWAC) & KCCR, IDL Conference Centre, KNUST, Kumasi, 14th to 16th November, 2022
5. **WIPO-ARIPO Training of Trainers: Methodologies for Intellectual Property Teaching and Training** organized by World Intellectual Property Organization (WIPO) and African Regional Intellectual Property Organization (ARIPO), Accra, Ghana, 11th to 15th November, 2019
6. **Annual General Meeting (AGM) and Biennial Conference of the Pharmaceutical Society of Ghana (PSGH)**, Theme: "Pharmacy in a Digital

World", Main Auditorium of the University of Professional Studies, Accra, Ghana, 13th to 18th August, 2019

7. **8th College of Health Sciences, Kwame Nkrumah University of Science and Technology (KNUST) & 12th Convention of Biomedical Research Ghana, Joint Scientific Conference**, Theme: "Universal Access to Healthcare - The Role of the Health Scientist", School of Business, KNUST, Kumasi, Ghana 30th to 31st July 2019
8. **Workshop on the Writing Proposals for the Introduction of New Academic Programmes in Public Universities**, organized by National Council for Tertiary Education, Accra, Ghana, 17th July, 2019
9. **8th Annual General Meeting of Fellows and Members of Ghana College of Pharmacists**, Theme: "Universal Health Coverage, Service Provision and Financing: Now and the Future", Standard Heights Conference Room, Accra, Ghana, 20th June 2019
10. **Training Workshop on Leadership, Governance and Procurement** for Health Agency Boards within the Ministry of Health, Ghana, organized by World Bank at Akosombo, Eastern Region, Ghana, 6th to 9th June, 2019
11. **Workshop on Research Leadership and Mentorship**, organized by Building Stronger Universities Project (BSU III) and Office of Grants and Research, Amonoo-Neizer (IDL) Conference Hall, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 2nd to 3rd May, 2019
12. **Stakeholders' Workshop organized by National Accreditation Board** on the Theme "**Strengthening Quality Assurance for Institutional Effectiveness**", Tertiary Education Complex, Accra, Ghana, 12th March, 2019
13. **Workshop on Enterprise Risk Management and Risk Register Development**, organized by The Institute of Chartered Accountants (Ghana), Golden Tulip, Kumasi, Ghana, 13th to 14th February, 2019
14. **Public Procurement Assessment Programme, Pilot Self-Assessment Exercise by Public Procurement Authority**, Ghana Institute of Management and Public Administration (GIMPA), Accra, Ghana, 29th January to 1st February, 2019
15. **Higher Education Conference in Ghana**, Theme: "Funding of Public Universities in Africa - New Paradigm", ISSER Conference Hall, University of Ghana, Legon, Accra, Ghana, 5th to 6th April, 2018
16. **Training Workshop on Entrepreneurial University Transformation organized by Maastricht School of Management (MSM)**, Netherlands at Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 26th February to 2nd March, 2018
17. **Training programme in Corporate Governance** for Members of the Governing Board of National Health Insurance Authority, Ghana organized by Institute of Directors, Accra, Ghana, 31st July 2017

18. **Training course on Harmonization of African Higher Education Quality Assurance and Accreditation (HAQAA)** on "Developing a common understanding of Quality Assurance in Africa", organized by European Union and Africa Union and implemented by DAAD, European Quality Assurance Agency (EUA) and European network of Quality Assurance (ENQA), Accra, Ghana, 30th May to 2nd June, 2017
19. **Training Workshop on Community Pharmacist's Role in Providing Family Planning Services** organized by USAID and Strengthening Health Outcomes through the Private Sector (SHOPS), Kumasi, Ghana, 26th April, 2017.
20. **Technical Workshop on African Quality Rating Mechanism (AQRM)** Institutional Evaluation organized by African Union (AU) and Association of African Universities (AAU), Accra, Ghana, 28th to 29th March, 2017.
21. **Speaker**, Seminar on the theme: "Innovations in Pharmacy Community with positive impact on the financial status of Community Pharmacist", organized by Ghana Pharmaceutical Students' Association, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 22nd February, 2017
22. **Basic Higher Education Teaching Skills Course**, organized by Association of African Universities (AAU), 30th January to 2nd February, 2017, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
23. **Training Programme in Basic skills in Counselling, Premarital Counselling and Marriage Counselling** at Pastoral Counselling Institute, Bethel Methodist Church, Kwadaso, Kumasi, Ghana, 30th November, 2016.
24. **National Summit on Tertiary Education**, Theme: "Crafting a National Vision and Plan for the 21st Century", organized by National Council for Tertiary Education (NCTE), 2nd to 4th November, 2016, Accra, Ghana.
25. **9th Association of African Universities (AAU) Leadership Skills Development Workshop (LEDEX IX)**, Accra, Ghana, 24th to 28th October, 2016.
26. **6th KNUST Summer School** on the theme: "Strengthening the Linkage amongst Academia, Industry and Government" from 15th to 18th August, 2016 organized by the Quality Assurance and Planning Unit, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.
27. **Ghana Biochemical Convention Conference**, Theme: "Accelerating the Momentum for Science in Africa", University of Health and Allied Sciences, Ho, Ghana, 2nd to 4th August, 2016.
28. **Workshop on Development of PhD Supervision Assessment Tools**, Building Stronger Universities (BSU) Phase II Project, School of Graduate Studies, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 16th to 24th February, 2016.

29. **Science Communication Workshop** on “Inculcating a Culture of Science in General Way of Doing Things” organized by Ghana Academy of Arts and Sciences (GAAS), Ghana Academy of Arts and Sciences Auditorium on 27th October, 2015, Accra, Ghana
30. **5th KNUST Summer School** on the theme “Sustainable Development of Tertiary Institutions in Ghana amidst Economic and Security Challenges” from 17th to 20th August, 2015 organized by the Quality Assurance and Planning Unit, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
31. **Workshop on Clinical Chronic Diseases Management** – Diabetes and Hypertension organized by Excellence in Medical Education (EXCEMED) at Science Auditorium, Kwame Nkrumah University of Science and Technology, 4th November, 2014, Kumasi, Ghana
32. **4th KNUST Summer School Workshop** for Senior Members of Kwame Nkrumah University of Science and Technology on the theme: Advancing Science and Technology through Effective Communication; from 18th to 22nd August, 2014 organized by the Quality Assurance and Planning Unit, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
33. **Workshop on Malaria Case Management and Supply Chain Management** organized by the Pharmacy Council in Collaboration with USAID DELEIVER PROJECT and USAID Malaria Care, Miklin Hotel, Kumasi, Ghana, 24th July, 2014.
34. **Faculty Retreat** with theme: “Achieving our Vision through Commitment” at Pempamsie Hotel, Cape Coast, Ghana, organized by Faculty of Pharmacy and Pharmaceutical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 18th to 20th June, 2014
35. **5th Annual Scientific Meeting, CCB Auditorium, College of Health Sciences, Kwame Nkrumah University of Science and Technology**, Kumasi, Ghana, 14th - 15th November, 2013.
36. **Ghana Biomedical Convention**, University of Cape Coast, Cape Coast, Ghana, 29th July to 2nd August, 2013.
37. **Training of PhD Trainers on PhD Supervision II**, organized by Department of Science Education, University of Copenhagen, Denmark, under the auspices of the Building Stronger Universities (BSU) Initiative, Coco Grove Hotel, Cape Coast, 4th to 7th, February, 2013.
38. **Training of PhD Trainers on PhD Supervision I**, organized by Department of Science Education, University of Copenhagen, Denmark, under auspices of the Building Stronger Universities (BSU) Initiative, 1st to 5th, October, 2012.
39. **Process of Graduate Supervision**, organized by Faculty of Pharmacy and Pharmaceutical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi, 17th January, 2013.

40. **KNUST Summer School**, Organized by Quality Assurance and Planning Unit of Kwame Nkrumah University of Science and Technology under the theme 'Raising the Standards for 21st Century University Education', KNUST, Kumasi, Ghana, 21st to 24th August, 2012.
41. **Ghana Biomedical Conference**, Noguchi Memorial Medical Center, University of Ghana, Legon, Accra, 30th July to 1st August, 2012.
42. **Interactive Teaching and Learning**, organized by Novartis Institute for Biomedical Research, University of Ghana, Legon, Accra, Ghana, 28th July, 2012.
43. **Annual General Meetings and Conferences of the Pharmaceutical Society of Ghana**, August/September, 2000 to date
44. **Annual General Meetings of Pharmaceutical Society of Ghana**, Ghana, August/September, 2001 to date

International

45. **29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)**, Amsterdam, The Netherlands, 13th to 16th April, 2019
46. **Health Systems Management Programme**, Galilee International Management Institute, Israel, 17th to 24th November, 2018
47. **21st Century Drug Discovery and Development for Global Health, Keystone Symposia, Global Health Series**, Hotel Palace Berlin, Berlin, Germany, 17th to 20th October, 2018
48. **Grand Challenges Annual Meeting**, Estrel International Congress Center, Berlin, Germany, 15th to 18th October, 2018
49. **66th Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) and 11th Shanghai International Conference on Chinese Medicine and Natural Medicine**, Shanghai, China, 26th to 29th August, 2018
50. **VII International Conference on Environmental, Industrial and Applied Microbiology**, Madrid, Spain, 18th to 20th October, 2017
51. **65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)**, Basel, Switzerland, 3rd to 7th September, 2017,
52. **Clarivate Analytics Academic Reputation Survey (By Invitation Only)**, Global Institutional Profiles Project, Thompson Reuters, Philadelphia, USA, 10th June, 2014 to date.
53. **7th International Conference of Young Scientists & Annual General Meeting of the Global Young Academy (GYA)**, Theme: "Social Justice in a Rapidly

- Changing World", Aviemore, Inverness, Scotland, United Kingdom, 15th to 19th May, 2017
54. **Biannual General Conference of International Network of Quality Assurance in Higher Education (INQAAHE)** under the Theme: "Between Collaboration and Competition: The Promise and Challenges for Quality Assurance" Manama, Kingdom of Bahrain, 27th February to 2nd March, 2017.
 55. **9th Joint Natural Products Conference 2016**, Copenhagen, Denmark, 24th to 27th July, 2016.
 56. **IV International Conference on Antimicrobial Research- ICAR2016**, "Diagnosis and Therapy of Diseases Based Upon the Knowledge of Host Innate Immune Defense" Torremolinos Congress Center, Torremolinos, Malaga, Spain, 29th June to 1st July, 2016
 57. **6th International Conference of Young Scientists & Annual General Meeting of the Global Young Academy (GYA)**, Theme: 'Bridging Worlds Through Science', Technische Universitat, Eindhoven, The Netherlands, 25th to 29th May, 2016.
 58. **University of California Cyber Security Awareness Training**, University of California Learning Center, California, USA, 30th November, 2015.
 59. **2nd Worldwide Meeting of Young Academies and Joint Conference**, Theme; 'Scientific Support for Policymaking in Sustainable Development: Joining Forces', organized by Global Young Academy (GYA), Young Academy of Sweden (YAS) and European Commission Joint Research Centre (JRC), Stockholm, Sweden, 16th to 18th November, 2015.
 60. **2nd OHCEA International One Health Conference**, Strategic Approach to Global Health Security through one Health Innovations: Vision 2035. Speke Resort, Munyonyo, Kampala, Uganda, 16th to 18th November, 2015.
 61. **63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)**, 23rd to 27th August, 2015, Budapest, Hungary
 62. **Network of African Science Academies (NASAC)-Leopoldina Project Meeting**, 17th to 18th April, 2015, Nairobi, Kenya
 63. **The First Commonwealth Science Conference organized by Royal Society**, United Kingdom at Jawaharlal Nehru for Centre for Advanced Scientific Research, 25th to 28th November, 2014, Bangalore, India
 64. **62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)**, 30th August to 4th September, 2014, Guimarões, Portugal.
 65. **4th International Conference for Young Scientists and General Assembly Meeting of the Global Young Academy (GYA)**, Theme: "Natural Resources in a

- Finite World", Faculty of Physical Sciences and Mathematics, University of Chile, Santiago, Chile, 21st to 25th May, 2014
66. **6th International Conference on Drug Discovery and Therapy**, Dubai Women's College, Dubai, United Arab Emirates (U.A.E.), 10th to 12th February, 2014.
 67. **The First Africa Young Academies Regional Conference** with the theme "Accelerating science for development in Africa by increasing the Momentum and Impact of National Young Academies", Garcia Gardens Resort, Nairobi, Kenya, 3rd to 5th February, 2014
 68. **61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)**, 1st to 5th September, 2013, Muenster, Germany.
 69. **Young Researchers' Workshop at the International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)**, 1st September, 2013, Muenster, Germany.
 70. **Training on Bloodborne Pathogens**, University of California, San Francisco, California, USA, September, 2013
 71. **Training on Laboratory Safety for Researchers**, University of California, San Francisco, California, USA, August, 2013
 72. **Training on Biosafety**, University of California, San Francisco, California, USA, August, 2013
 73. **Training on Dental Infection Control and Blood Borne Pathogens**, University of California, San Francisco, California, USA, August, 2013
 74. **United Nations Department of Safety and Security (UNDSS)**, Course on Basic Security in the Field II (BSITF II), University of California, San Francisco, California, USA, 21st June, 2013.
 75. **Third International Conference for Young Scientists & General Assembly 2013 of the Global Young Academy**, Halle (Saale), Germany, 15th to 18th May, 2013.
 76. **Workshop on Building Partnerships through Dialogue for Successful Communication and Cooperation with Stakeholders from the Academic, Economic and Development Cooperation Sectors**, Organized by Collective Leadership Institute e.V., Germany, 15th May, 2013, Halle (Saale) Germany.
 77. **Thompson Reuters Academic Reputation Survey (By Invitation Only)**, Global Institutional Profiles Project, Thompson Reuters, Philadelphia, USA, April, 2013 to date.
 78. **5th International Conference on Drug Discovery and Therapy**, Dubai, United Arab Emirates (U.A.E.), 18th to 21st February, 2013.

79. **II International Conference on Antimicrobial Research** - Lisbon, Portugal, 21st to 23rd November, 2012.
80. **2nd European Conference on Antimicrobial Resistance and Infection Prevention in Vilnius**, Lithuania, 4th to 5th October, 2012.
81. **59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)**, 4th to 9th September, 2011, Antalya, Turkey.
82. **5th Western Africa Network of Natural Products Research Scientists (WANNPRES) and AAMPS Ethnoveterinary Symposium**, Ada, Osun State, Nigeria, 6th to 9th August, 2012.
83. **Seeding Labs Teaching Undergraduates & Mentoring Workshop**, Boston, USA, July to August, 2011
84. **Seeding Labs Business Skill Workshop**, Boston, Massachusetts, USA, 1st July to 30th August, 2011
85. **Seeding Labs e-Learning Workshop**, Boston, Massachusetts, USA, 1st July to 30th August, 2011
86. **Seeding Labs Posters and Presentations Workshop**, Boston, Massachusetts, USA, 1st July to 30th August, 2011
87. **Seeding Labs Lab Management Workshop**, Boston, Massachusetts, USA, 1st July to 30th August, 2011

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