

# CURRICULUM VITAE

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**PROF. SAMUEL ASARE-NKANSAH** (*B.Pharm, MSc, PhD, FGCert MDS, MPSGH*)

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## 1. EDUCATION

### a) Academic Qualifications earned with Dates

- i. Doctor rer. nat. (Pharmaceutical & Medicinal Chemistry), February 2016.
- ii. Certificate of International Training on Quality Control of Drugs, July 2009.
- iii. Master of Science (Pharmaceutical Analysis and Quality Control), February 2003.
- iv. Certificate in Management of Drug Supplies, July 2002.
- v. Bachelor of Pharmacy, March 2000.
- vi. General Certificate of Education, Advance Level, June 1993.
- vii. General Certificate of Education, Ordinary Level, June 1990.

### b) Institutions Attended with Dates

- i. Institute of Pharmaceutical and Medicinal Chemistry, Westfälische Wilhelms-Universität Münster, Germany, October 2012 – February 2016 (Doctoral Studies).
- ii. University of Michigan, Ann Arbor, USA, February-August 2010. (African Presidential Scholar, Sherman Lab., Life Sciences Institute.).
- iii. Kwame Nkrumah University of Science & Technology, Kumasi, September 2000-August 2002 (Master of Science).
- iv. Robert Gordon University (Distance Learning), Aberdeen, January-July 2002 (Management of Drug Supplies).
- v. Kwame Nkrumah University of Science & Technology, Kumasi, September 1994 – July 1999 (Bachelor of Pharmacy).

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- vi. Pope John Secondary School & Junior Seminary, Koforidua, September 1985-June 1993 (General Certificate of Education, Ordinary and Advance Levels).

## **2. AWARDS/GRANT SUPPORT/MATERIAL RESOURCE MOBILISATION/HONOURS**

### ***Awards***

- i. Award of the Centre for International Migration (CIM), Germany, for research support as a Returning Expert, November 2016.
- ii. German Academic Exchange Service (DAAD) in cooperation with Government of Ghana (PhD studies, 2012-2016).
- iii. ADMER PhD Fellowship, January 2012 (Declined).
- iv. University of Michigan African Presidential Scholars' Fellowship (UMAPS), February-August 2010.

### ***Honours***

- i. Outstanding Contribution in Reviewing, Elsevier-Journal of Traditional and Complementary Medicine, January 2017
- ii. Best Worker 2011, Senior Members Category, College of Health Sciences Awards Ceremony, December 2011.

### ***Grant Supports***

- i. A research support grant of GHC 30, 000.00 from the KNUST Research Fund (4<sup>th</sup> KReF Call) to support a project on development and formulation of standardized antimalarial herbal medicines from some indigenous medicinal plants. (February 2019).
- ii. A grant of Eur. 60,000.00 (EZ 19\_20) from State Ministry of Baden Württemberg, Germany, for SDG Summer School in Ghana held at KNUST (June 2018).
- iii. A research support grant of Eur. 9600.00 from the Centre for International Migration, Germany, to support a project on the development of quality control protocols to improve the export trade of some non-traditional

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export commodities in Ghana such as the seeds of *Voacanga africana* and fruits of *Xylopia aethiopica*. (November 2016 – October 2018).

- iv. A research support grant of Eur. 2000.00 from the German Research Foundation to complete a project on the investigation of epoxybenzoxocine derivatives as selective sigma-1 receptor antagonists. (March – April 2016).
- v. A research grant of Eur. 43,994.00 from the German Academic Exchange Service for investigating the bioactive conformation of analogues of etoxadrol and dexoxadrol as *N*-methyl-D-aspartate (NMDA) receptor antagonist as ligands for neurodegenerative diseases at the Institute of Pharmaceutical and Medicinal Chemistry, University of Münster, Germany (October 2012 – February 2016).
- vi. A training grant of Eur. 5,840.00 from the German Academic Exchange Service for a German language training course at the Goethe-Institut, Göttingen, Germany (4<sup>th</sup> June – 30<sup>th</sup> September 2012).
- vii. A training grant of GH¢ 2,043.00 from the German Academic Exchange Service for a German language training course at the Goethe-Institut, Accra, Ghana (1<sup>st</sup> April - 30<sup>th</sup> May 2012).
- viii. A research grant of \$17,500.00 from the University of Michigan African Presidential Scholar Program (2010) for investigating bioactive molecules of marine microorganisms as biofilm formation and polyglutamine (PolyQ) proteotoxicity inhibitors at the Life Sciences Institute of the University of Michigan (February – August 2010).

### **Material Resource Mobilization**

- ix. Seeding Labs Instrumental Access Programme, December 2017. This grant involves the donation of essential laboratory equipment and supplies by Seeding Labs USA, to the Department of Pharmaceutical Chemistry in support of teaching and learning at a value of USD 110,000

### 3. UNIVERSITY TEACHING AND SUPERVISION OF STUDENT PROJECT WORKS

#### a) Academic Ranks/Positions Held

- i. Vice Dean, Faculty of Pharmacy and Pharmaceutical Sciences (1<sup>st</sup> August 2020-31<sup>st</sup> October 2022)
- ii. Associate Professor of Pharmaceutical Chemistry (August 2018 to date)
- iii. Head, Department of Pharmaceutical Chemistry (1<sup>st</sup> August 2017 –31<sup>st</sup> July 2019; 1<sup>st</sup> August 2020-31<sup>st</sup> October 2022 ).
- iv. Visiting Scholar (February - August 2010, University of Michigan, USA).
- v. Senior Lecturer (October 2007 to July 2018, KNUST).
- vi. Lecturer (February 2003 to September 2007, KNUST).
- vii. Demonstrator (October 2000 –July 2002, Department of Pharmaceutical Chemistry, KNUST).
- viii. National Service Person (November 1999 - August 2000, Department of Pharmaceutical Chemistry, KNUST).

#### b) Subjects Taught with Dates

- i. Physical, Organic and Analytical Pharmaceutical Chemistry [Theory and Practical) since 2003 to undergraduate students of Pharmacy, Herbal Medicine, Human Biology (Medicine & Dentistry) and Veterinary Medicine ].
- ii. Principles of Medicinal Chemistry to undergraduate Pharmacy students (Theory and Practical) since 2004.
- iii. Drug discovery and design, organic synthesis and pharmaceutical analysis to pharmaceutical chemistry postgraduate students since 2005

#### c) Supervision of Student Project/Research works

I have supervised twenty-two (22) MPhil. and fifty-nine (59) undergraduate student projects. I am currently supervising four (4) MPhil. and five (5) PhD. Pharmaceutical Chemistry projects.

#### 4. DETAILS OF RESEARCH OR PROJECTS UNDERTAKEN

##### a) Research Conducted

My research activities have been focused on pharmaceutical analysis and pharmacokinetic studies; quality control of non-traditional export commodities in Ghana with instrumental techniques; natural product drug discovery; organic synthesis, and valorization of herbal medicines. In this regard, I have served as either Principal Investigator or Co-Investigator in the under listed research projects.

- i. Formulation of standardized antimalarial herbal products from validated medicinal plants.
- ii. Development and synthesis of small molecules as *N*-methyl-D-aspartate (NMDA) receptor antagonists.
- iii. High throughput screen of bioactive secondary metabolites from plants and microorganisms as novel antibacterial lead compounds, biofilm formation and polyglutamine (PolyQ) proteotoxicity inhibitors.
- iv. Hyphenated Liquid Chromatography and High-Resolution Mass Spectrometry (LC-HRMS) as a sustainable tool for exploring the bioactive compounds of medicinal plants.
- v. Scientific validation of folklore uses of medicinal plants, and isolation and characterization of bioactive constituents.
- vi. Validated analytical method development and bioanalysis of systemic quality of essential medicines in Ghana.
- vii. Heavy metals, residual solvents & pesticides monitoring and determination of levels of aflatoxin and allopathic medicine adulterants in herbal medicine dosage forms on the Ghanaian market.

- viii. Development of quality control protocols for some non-traditional export commodities on the Ghanaian market using biomarkers, the High-Performance Liquid Chromatography (HPLC) and extractive spectrophotometry techniques.
- ix. Investigation of surrogate reference standards for the determination of chemical quality of pharmaceutical dosage forms, using the High-Performance Liquid Chromatography

**b) Publications arising out of Research**

- i. Orman, E., Assumang, A., Oppong-Kyekyeku, J., Onilimor, P. J., Peprah, P. K., Adu, J. K., Bekoe, S. O., **Asare-Nkansah, S.** (2022). Chromatographic method development for the simultaneous assay of pseudoephedrine hydrochloride and chlorphenamine maleate in oral dosage formulations. *Scientific African* **15** (2022) e01109
- ii. Bekoe, S. O., Orman, E., Adjabui, S. A., Brobbey, A. A., Oppong-Kyekyeku, J., Opuni, K. F. M., Kuntworbe, N., **Asare-Nkansah, S.** (2022). Development and Validation of an Ion-Pair HPLC-UV Method for the Quantitation of Quinoline and Indoloquinoline Alkaloids in Herbal and Pharmaceutical Antimalarial Formulations. *Journal of Chemistry* (2022), 1-11. <https://doi.org/10.1155/2022/4625954>
- iii. Amoo, I., Oppong-Kyekyeku, J., Boakye-Gyasi, E., **Asare-Nkansah, S.**, Adu, J. K., (2021). Quality Control and Anti-Inflammatory Activity of the Stem Bark of *Chlorophora regia* A. Chev. (Moraceae). *Journal of Tropical Pharmacy and Chemistry*, **5** (4). 309-323. e-ISSN: 2407-6090
- iv. Opuni, F. M. K., **Asare-Nkansah, S.**, Osei-Fosu, P., Akonnor, A., Bekoe, S. O., Doodoo, A. N. O. (2021). Monitoring and risk assessment of pesticide residues in selected herbal medicinal products in Ghana. *Environmental Monitoring and Assessment*, **193**(470), 1-14. <https://doi.org/10.1007/s10661-021-09261-1>
- v. Mensah, J. N., Brobbey, A. A., Addotey, J. N., Ayensu, I., **Asare-Nkansah, S.**, Opuni, F. M. K., Adutwum, L. A. (2021). Ultraviolet-Visible Spectroscopy and

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Chemometric Strategy Enable the Classification and Detection of Expired Antimalarial Herbal Medicinal Products in Ghana. *International Journal of Analytical Chemistry* (2021), 1-9. <https://doi.org/10.1155/2021/5592217>.

- vi. Bekoe, S. O., Orman, E., **Asare-Nkansah, S.**, Sørensen, A. M. L., Björklund, E., Adosraku, R. K., Hansen, M., Styrihave, B. (2020). Detection and quantification of antibiotic residues in urine samples of healthy individuals from rural and urban communities in Ghana using a validated SPE-LC-MS/MS method. *Springer Nature Applied Sciences* (2020) 2:1903. <https://doi.org/10.1007/s42452-020-03742-7>
- vii. Opong-Kyegyeku J, **Asare-Nkansah S**, Opong Bekoe S, Sezgin S, Adosraku RK, Spiteller M (2019). MALDI–HRMS imaging and HPLC–HRESI–MS<sup>n</sup> characterisation of kaurane diterpenes in the fruits of *Xylopiya aethiopica* (Dunal) A. Rich (Annonaceae). *Phytochemical Analysis*. 2019;1–6.
- viii. Opong-Kyegyeku J, Adosraku RK, **Asare-Nkansah S** (2017). LC-HRESI-MS/MS profiling of isolated flavonoids from the Ghanaian medicinal plant *Chlorophora regia* (Moraceae). *British Journal of Pharmaceutical Research*, 16(1), 1 – 9, Doi: 10.9734/BJPR/2017/32893.
- ix. Brobbey A, Somuah-Asante S, **Asare-Nkansah S**, Boateng FO, Ayensu I (2017). Preliminary phytochemical screening and scientific validation of the anti-diabetic effect of the dried husk of *Zea mays L.* (corn, poaceae). *International Journal of Phytopharmacy*, 7(1); 1-5; doi: dx.doi.org/10.7439/ijpo.
- x. **Asare-Nkansah S**, Schepmann D, Wünsch B (2017). Synthesis of conformationally restricted 1,3-dioxanes to analyse the bioactive conformation of 1,3-dioxane-based  $\sigma_1$  and PCP receptor antagonists. *Bioorganic and Medicinal Chemistry*, 25(2017), 2472-2481, Doi: 10.1016/j.bmc.2017.03.014
- xi. **Asare-Nkansah S**, Wünsch B (2016). Double intramolecular transacetalization of polyhydroxy acetals: Synthesis of conformationally restricted 1,3-dioxanes

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with axially oriented phenyl moiety. *Molecules*, **21**(11), 1503; doi:10.3390/molecules21111503

- xii. **Asare-Nkansah S**, Kwakye JK, Adosraku RK, Bekoe SO (2014). A New Dimension in Medicines Quality Monitoring: Using Surrogate Reference Standards in RP-HPLC Assay of Pharmaceuticals. *International Journal of Pure and Applied Chemistry*, **9**(1).
- xiii. Walter GM, Raveh A, McQuade TJ, Arevang C, Schultz PJ, Smith MC, **Asare-Nkansah S**, Cruz PG, Wisen S, Matainaho T, Sherman DH, Gestwicki JE (2014). High throughput screen of natural product extracts in a Yeast model of polyglutamine proteotoxicity. *Chemical Biology and Drug Design*, **83**:440-449.
- xiv. **Asare-Nkansah S**, Kwakye JK and Mohammad S (2011). Compounds Chemically Related to Analyte as Surrogate Reference Standards in Quantitative HPLC: Preliminary Study and Proof of Hypothesis. *International Journal of Pure and Applied Chemistry*, **6**(3):253-264
- xv. **Asare-Nkansah S**, Bekoe SO, Opuni FMK and Kwakye JK (2011). Improving Drug Quality Monitoring in Ghana by Ion-Pair Complexes: The Case of Ciprofloxacin Hydrochloride and Bromophenol Blue. *International Journal of Pure and Applied Chemistry*, **6**(3): 297-307
- xvi. Annan K, Asante IK, Asare C, **Asare-Nkansah S**, Bayor MT (2010). Profile of heavy metals in some medicinal plants from Ghana commonly used as components of herbal formulations. *Pharmacognosy Research* **2**(7): 39-41
- xvii. **Asare-Nkansah S**, Kwakye JK, Adosraku RK (2007). Determining the bioequivalence of Paracetamol products with urinary excretory data. *West African Journal of Pharmacy* **20**(1): 14-22
- xviii. Okine NNA, **Asare-Nkansah S**, Bekoe SO, Acheampong A (2007). Determination of Relative Bioavailability of a locally manufactured co-trimoxazole tablets using urinary excretory data. *Journal of Science and Technology* **27**(1): 62-70.



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- xix. Okine NNA, **Asare-Nkansah S**, Acheampong A (2007). Simultaneous determination of sulphamethoxazole and trimethoprim in co-trimoxazole tablets using rp-hplc analysis. *Journal of the Ghana Science Association* **9**(1): 62-70.
- xx. Okine NNA, **Asare-Nkansah S**, Ameko DK (2006). Comparative bioavailability study of Aspirin tablets using UV/Visible spectroscopy and hplc technique. *Journal of the Ghana Science Association* **8**(1):79-88.
- xxi. **Asare-Nkansah S**, Kwakye JK (2006). Quality evaluation of paracetamol in the bulk, dosage forms and body fluids using the high-performance liquid chromatography (HPLC) technique. *Journal of Science and Technology* **26**(1):22-31.
- xxii. Kwakye JK, **Asare-Nkansah S** (2006). *In vitro-in vivo* correlation of locally manufactured Amoxicillin capsules, Paracetamol and Chloroquine Phosphate tablets. *West African Journal of Pharmacy* **19**(2): 14-22.
- xxiii. Kwakye JK, Adosraku RK, **Asare-Nkansah S**, Bekoe SO (2005). Bioavailability in Quality Control: Performance of some local pharmaceutical industries. *The Ghana Pharmaceutical Journal* **30**(1): 37-41.

### 5. CONFERENCES/SEMINARS/WORKSHOPS AT WHICH PAPERS WERE READ AND ORAL PRESENTATIONS WERE MADE

#### **Oral Presentations**

- i. Akonnor A, **Asare-Nkansah S**, Kwakye JK. UV-Visible quantification of xylopic acid content of the dried fruits of *Xylopic aethiopic* (Dunal) A. Rich using ion-pair complexation. Pharmacy Graduate Students' Research Conference held in the conference room of the Faculty of Pharmacy and Pharmaceutical Sciences, **13<sup>th</sup> March 2019**.
- ii. **Asare-Nkansah S**. Phytomedicines: A sustainable tool for inclusive health care in developing countries. 2<sup>nd</sup> Network Meeting of the Yaounde-Bielefeld

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- Graduate School (YaBiNaPA Project) held at the Higher Teacher Training College, University of Yaounde I Cameroon, **12<sup>th</sup> -16<sup>th</sup> February, 2019.**
- iii. Bekoe SO, Ahiabu MA, **Asare-Nkansah S**, Tersbøl BP, Adosraku RK, Hansen M, Frimodt-Moller N, Gyansa-Lutterodt M, Styrihave B. Substandard antibacterial agents in the formal and informal medicines outlets in Ghana: Still myth or reality? 6<sup>th</sup> Edition of International Conference on Antibiotics, Antimicrobials and Resistance, Edinburgh, Scotland, **October 11-12, 2018.**
  - iv. Appiah E, **Asare-Nkansah S**, Bekoe SO, Kwakye JK. Surrogate reference standards in drug quality monitoring: The case of artemether/lumefantrine combination antimalarial drug. 7<sup>th</sup> Ghana Science Association Research Seminar and Presentation, Allotey Auditorium, Aboagye Menyeh Complex Building, KNUST, Kumasi, Ghana, **18<sup>th</sup> April 2018**
  - v. Commey KL, **Asare-Nkansah S**, Adu JK, Bekoe SO, Kwakye JK. Improving Non-Traditional Export Trade: Development of RP-HPLC Method for the Quality Control of the Seeds of *Voacanga africana* Stapf. 7<sup>th</sup> Ghana Science Association Research Seminar and Presentation, Allotey Auditorium, Aboagye Menyeh Complex Building, KNUST, Kumasi, Ghana, **18<sup>th</sup> April 2018.**
  - vi. Boateng ST, **Asare-Nkansah S**, Adu JK, Bekoe SO, Kwakye JK. Quality evaluation of fluconazole and ketoconazole in pharmaceutical formulations using the HPLC technique with surrogate reference standards. 7<sup>th</sup> Ghana Science Association Research Seminar and Presentation, Allotey Auditorium, Aboagye Menyeh Complex Building, KNUST, Kumasi, Ghana, **18<sup>th</sup> April 2018.**
  - vii. **Asare-Nkansah S**, Adosraku RK. Analysis of the strengths, weaknesses, opportunities and threats of the Drug Analysis and Quality Control Laboratory of the Department of Pharmaceutical Chemistry, FPPS, KNUST, towards attaining WHO prequalification/ISO17025 certification. Annual Review Meeting of National Medicines Quality Control Laboratories in ECOWAS Region, Mauritania and Chad, organized by the West Africa Health Organization (WAHO) in Niamey, Niger, **8<sup>th</sup>– 9<sup>th</sup> November 2017.**

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- viii. **Asare-Nkansah S**, Bekoe SO. Towards the development of medicines testing reference laboratory in a University setting: The case of Centre for Drug Analysis and Quality Control, FPPS, KNUST. Conference of National Medicines Quality Control Laboratories in ECOWAS Region, Mauritania and Chad organized by the West Africa Health Organization (WAHO) in Accra, Ghana, **28<sup>th</sup> – 30<sup>th</sup> June 2016**.

### **Poster Presentations**

- ix. Ofosu, J., **Asare-Nkansah, S.**, Ayim, J. S. K (2020). Effects of structural variation between surrogate reference standards and target analyte on surrogate constant and assay values: The case of paracetamol tablets. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020**.
- x. Antwi P. B., Bekoe S. O., **Asare-Nkansah S.**, Kwakye J. K (2020). Development of a validated ion-pair HPLC method for the assay of fixed-dose combination antihypertensive products using the surrogate reference standards approach. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020**.
- xi. Abeka M. K., **Asare-Nkansah S.**, Bekoe S. O., Harley B. K., Ayim J. S. K. (2020). Synthesis and investigation of antimicrobial and efflux pump inhibitory activities of derivatives of dehydrozingerone and vanillin. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020**.
- xii. Ofori-Attah E., **Asare-Nkansah S.**, Komlaga G. Mensah M.L.K. (2020). Standardization of the aqueous leaf extract of *Tectona grandis* and evaluation of its anti-plasmodial activity. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020**.

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- xiii. Asare, P., **Asare-Nkansah S.**, Kwakye, J.K. (2020). Surrogate reference standards in quantitative HPLC analysis: The case of guaifenesin and dextromethorphan. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020**.
- xiv. Amoo I, Oppong-Kyekyeku J, Boakye-Gyasi E, **Asare-Nkansah S.** Quality Control of Medicinal Plant Resource: The Case of *Chlorophora regia* (Moraceae). 83<sup>rd</sup> Annual General Meeting and Conference of the Pharmaceutical Society of Ghana, Ho Technical University and Volta Serene Hotel, **31<sup>st</sup> July-4<sup>th</sup> August 2018**.
- xv. Commey KL, **Asare-Nkansah S**, Adu J, Bekoe SO, Kwakye J. Improving non-traditional export trade for national development: Development of rp-HPLC method for the quality control of the seeds of *Voacanga africana* Stapf. 83<sup>rd</sup> Annual General Meeting and Conference of the Pharmaceutical Society of Ghana, Ho Technical University and Volta Serene Hotel, **31<sup>st</sup> July-4<sup>th</sup> August 2018**.
- xvi. **Asare-Nkansah S**, Wunsch B. Probing the preferred binding orientation of the axially oriented phenyl moiety of 1,3-dioxane NMDA receptor antagonists by conformational restriction. Poster presentation at the Conference of the German Pharmaceutical Society (DPHG) Jahrestagung, 2015, **23<sup>rd</sup> – 25<sup>th</sup> September 2015**, Düsseldorf, Germany.
- xvii. **Asare-Nkansah S**, Wunsch B. Synthesis of epoxybenzoxocines as conformationally restricted NMDA receptor antagonists. Poster presentation at 1<sup>st</sup> Joint European Conference on Therapeutic Targets and Medicinal Chemistry, **26<sup>th</sup> – 27<sup>th</sup> August, 2015**, Münster, Germany.
- xviii. Afram KO, **Asare-Nkansah S**, Bekoe SO, Oppong Kyekyeku J (**2012**). Identification of a biomarker and Development of an HPLC Method for the Quality Control of the Seeds of *Voacanga africana* (Apocynaceae). Poster presentation at the Second Biennial Conference: Advancing African STEM research, Education and Collaboration, jointly organized by the African

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Studies Centre of the University of Michigan, USA, and the Kwame Nkrumah University of Science and Technology, Kumasi, at the International Centre for Innovative Learning, KNUST, Kumasi, Ghana, **29<sup>th</sup> -31<sup>st</sup> May 2012.**

### 6. OTHER PUBLICATIONS

#### **Books**

- i. **Asare-Nkansah S.** Conformationally restricted 1,3-dioxanes for the analysis of bioactive conformation of flexible NMDA antagonists. Ph.D. Thesis, Westfälische Wilhelms-Universität Münster, Germany, 2016
- ii. **Asare-Nkansah, S.** Bioequivalence of Two Generic and One Brand Paracetamol Tablets with *in vitro-in vivo* correlation studies. M. Sc. Thesis, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 2002.
- iii. **Asare-Nkansah S.** Quality Assessment of Oral Liquid Herbal Preparations on the Ghanaian Market: *A Case Study of Malaherb Mixture*. B. Pharm. Project Report, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 1999.

### 7. MEMBERSHIP OF PROFESSIONAL BODIES

- i. **Member**, Alumni Association of the German Academic Exchange Service (DAAD), 2016 to date.
- ii. **Member**, University Teachers' Association of Ghana (UTAG), 2003 to date.
- iii. **Member**, Pharmaceutical Society of Ghana (MPSGH), 2001 to date.
- iv. **Member**, Academic, Social and Research Pharmacist Association, 2003 to date.
- v. **Member**, West Africa Regional Technical Resource Committee for Pharmaceutical Supplies Management, 2007 to date.

**8. PUBLISHED CONFERENCE ABSTRACTS**

- i. Ofori, J., **Asare-Nkansah, S.**, Ayim, J. S. K (2020). Effects of structural variation between surrogate reference standards and target analyte on surrogate constant and assay values: The case of paracetamol tablets. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020. Abstract No. P-16**
- ii. Antwi P. B., Bekoe S. O., **Asare-Nkansah S.**, Kwakye J. K (2020). Development of a validated ion-pair HPLC method for the assay of fixed-dose combination antihypertensive products using the surrogate reference standards approach. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020. Abstract No. P-17**
- iii. Abeka M. K., Asare-Nkansah S., Bekoe S. O., Harley B. K., Ayim J. S. K. (2020). Synthesis and investigation of antimicrobial and efflux pump inhibitory activities of derivatives of dehydrozingerone and vanillin. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020. Abstract No. P-19**
- iv. Ofori-Attah E., **Asare-Nkansah S.**, Komlaga G. Mensah M.L.K. (2020). Standardization and evaluation of anti-plasmodial activity of the aqueous leaf extract of *Tectona grandis*. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020. Abstract No. P-22**
- v. Asare, P., **Asare-Nkansah S.**, Kwakye, J.K. (2020). Surrogate reference standards in quantitative HPLC analysis: The case of guaifenesin and dextromethorphan. 9th Ghana Science Association Research Seminar and Poster Presentations, GSA Webinar 2020, **July 28-29, 2020. Abstract No. P-26**
- vi. Bekoe SO, Ahiabu MA, **Asare-Nkansah S**, Tersbøl BP, Adosraku RK, Hansen M, Frimodt-Moller N, Gyansa-Lutterodt M, Styrihave B. Substandard antibacterial agents in the formal and informal medicines outlets in Ghana:

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- Still myth or reality? Proceedings of 6th Edition of International Conference on Antibiotics, Antimicrobials and Resistance, Edinburgh, Scotland, October 11-12, 2018. *J Infect Dis Treat* 2018, **4**. DOI:10.21767/2472-1093-C2-005
- vii. Amoo I, Oppong-Kyekyeku J, Boakye-Gyasi E, **Asare-Nkansah S**. Quality Control of Medicinal Plant Resource: The Case of *Chlorophora regia* (Moraceae). Proceedings of 83<sup>rd</sup> Annual General Meeting and Conference of the Pharmaceutical Society of Ghana, Ho Technical University and Volta Serene Hotel, **31<sup>st</sup> July-4<sup>th</sup> August 2018**.
- viii. Appiah E, **Asare-Nkansah S**, Bekoe SO, Kwakye JK. Surrogate reference standards in drug quality monitoring: The case of artemether/lumefantrine combination antimalarial drug. Proceedings of 7th Ghana Science Association Research Seminar and Presentation, Allotey Auditorium, Aboagye Menyeh Complex Building, KNUST, Kumasi, Ghana, **18th April 2018. Abstract No. O-1**
- ix. Boateng ST, **Asare-Nkansah S**, Adu JK, Bekoe SO, Kwakye JK. Quality evaluation of fluconazole and ketoconazole in pharmaceutical formulations using the HPLC technique with surrogate reference standards. Proceedings of 7th Ghana Science Association Research Seminar and Presentation, Allotey Auditorium, Aboagye Menyeh Complex Building, KNUST, Kumasi, Ghana, **18th April 2018. Abstract No. O-2**
- x. Commey KL, **Asare-Nkansah S**, Adu JK, Bekoe SO, Kwakye JK. Improving Non-Traditional Export Trade: Development of RP-HPLC Method for the Quality Control of the Seeds of *Voacanga africana* Stapf. Proceedings of 7th Ghana Science Association Research Seminar and Presentation, Allotey Auditorium, Aboagye Menyeh Complex Building, KNUST, Kumasi, Ghana, **18th April 2018. Abstract No. O-7**
- xi. **Asare-Nkansah S**, Wünsch B. Probing the preferred binding orientation of the axially oriented phenyl moiety of 1,3-dioxane NMDA receptor antagonists by conformational restriction. Proceedings of the German Pharmaceutical

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Society (DPhG) Jahrestagung, 2015, Düsseldorf, Germany, **23<sup>rd</sup> – 25<sup>th</sup> September 2015, Abstract no. POS 129.**

- xii. **Asare-Nkansah S.**, Wunsch B. Synthesis of epoxybenzoxocines as conformationally restricted NMDA receptor antagonists. Proceedings of the 1<sup>st</sup> Joint European Conference on Therapeutic Targets and Medicinal Chemistry, Münster, Germany, **26<sup>th</sup> – 27<sup>th</sup> August, 2015, Abstract no. P30.**

### 9. SELECTED WORKSHOPS/CONFERENCES/TRAINING PROGRAMMES

#### ATTENDED (2007-2019)

- i. 9<sup>th</sup> Biennial Scientific Conference of the College of Health Sciences, KNUST: 'COVID-19: A health Challenge for the Decade, the Role of Health Professionals' held at the KNUST School of Business Auditorium from **29<sup>th</sup> - 30<sup>th</sup> September, 2021.**
- ii. 9<sup>th</sup> Kwame Nkrumah University of Science and Technology Summer School on the theme: 'SDGs and Universities: Actions Towards KNUST Mandate at 70 and Beyond' held at the Great Hall, KNUST, from **31<sup>st</sup> August-3<sup>rd</sup> September, 2021.**
- iii. KNUST Online Teaching Training Course, **September 2020.**
- iv. Online Expert Discussion on the Baden Wuerttemberg Africa-in-Focus Strategy, **1<sup>st</sup>-3<sup>rd</sup> July 2020.**
- v. Conference of the Pharmaceutical Society of Ghana on Pharmacy in a Digital World held at National Theatre & UPSA Accra, **13<sup>th</sup> -18<sup>th</sup> August 2019.**
- vi. Joint Scientific Conference of the College of Health Sciences (CHS) of the Kwame Nkrumah University of Science and Technology (KNUST) and the Convention of Biomedical Research Ghana (CoBReG): Universal Access to Healthcare-The Role of the Health Scientist, Saarah Mensah Auditorium, KNUST, Kumasi, **30<sup>th</sup> July-1<sup>st</sup> August 2019.**
- vii. Continuing Professional Development organized by the Pharmacy Council in conjunction with the Pharmaceutical Society of Ghana on Health Professions



## CURRICULUM VITAE

- Regulatory Bodies Act 2013 and Pharmacy Practice Regulation, Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, Kumasi, **4<sup>th</sup> July 2019.**
- viii. Continuing Professional Development organized by the Pharmacy Council in conjunction with the Pharmaceutical Society of Ghana on Cancer: Awareness, Detection, Screening Services and Care held at Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, Kumasi, **6<sup>th</sup> June 2019.**
- ix. Continuing Professional Development organized by the Pharmacy Council in conjunction with the Pharmaceutical Society of Ghana on Stroke: Classification, Diagnosis and Management, KNUST, Kumasi, **20<sup>th</sup> September 2018.**
- x. Improving Quality of Higher Education through Effective Measurement and Evaluation, 8<sup>th</sup> Summer School of the Kwame Nkrumah University of Science and Technology, Great Hall KNUST, **20<sup>th</sup> – 24<sup>th</sup> August 2018.**
- xi. Continuing Professional Development organized by the Pharmacy Council in conjunction with the Pharmaceutical Society of Ghana on The Public Health Act of 2012 (Act 851) and the Pharmacist, KNUST, Kumasi, **28<sup>th</sup> June 2018.**
- xii. Continuing Professional Development organized by the Pharmacy Council in conjunction with the Pharmaceutical Society of Ghana on Antimicrobial Stewardship at the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, Kumasi, **10<sup>th</sup> May 2018.**
- xiii. Continuing Professional Development organized by the Pharmacy Council in conjunction with the Pharmaceutical Society of Ghana on First Aid Skills for Every Community Pharmacist at the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, Kumasi, **24<sup>th</sup> April 2018.**
- xiv. Electronic Learning and Virtual Classroom, A two-day Training workshop organized by the Career Development Centre of the College of Health Sciences, KNUST, at the Computer Laboratory of the Department of Mathematics, College of Science, **19<sup>th</sup> – 20<sup>th</sup> March 2018.**
- xv. Annual Review Meeting of National Medicines Quality Control Laboratories in ECOWAS Region, Mauritania and Chad, organized by the West Africa Health Organization (WAHO) in Niamey, Niger, **8<sup>th</sup>– 9<sup>th</sup> November 2017.**

## CURRICULUM VITAE

- xvi. Workshop for Deans and Heads of Department, Great Hall Conference Room, **13<sup>th</sup> – 14<sup>th</sup> September 2017.**
- xvii. Technology, Manpower Training and Development, 7<sup>th</sup> KNUST Summer School, KNUST Great Hall, **21<sup>st</sup> – 25<sup>th</sup> August 2017.**
- xviii. Harnessing opportunities in Pharmacy for National Economic Development, Annual General Meeting and Conference of the Pharmaceutical Society of Ghana, **1<sup>st</sup> – 6<sup>th</sup> August 2017.**
- xix. Disability and inclusion in Africa: The role of Assistive Technology, 5<sup>th</sup> AfriNEAD & 7<sup>th</sup> College of Health Sciences Scientific Conference, Saarah Mensah Auditorium, KNUST School of Business, **7<sup>th</sup> – 9<sup>th</sup> August 2017.**
- xx. Strengthening the Linkage amongst Academia, Industry and Government, 6<sup>th</sup> KNUST Summer School, KNUST Great Hall, **15<sup>th</sup> – 18<sup>th</sup> August 2016.**
- xxi. Pharmacy Practice: Optimizing Patient Safety, Annual General Meeting and Conference of the Pharmaceutical Society of Ghana, Eusbett International Conference Centre, Sunyani, Brong Ahafo, **9<sup>th</sup> – 14<sup>th</sup> August 2016.**
- xxii. International Workshop on Parliament without Barriers (PAMBA GHANA): Kick-off for barrier free built environments, held in Accra-Ghana and jointly organized by CLEAN-Africa, Frankfurt University of Applied Sciences, Department of Architecture, KNUST, and African Good Governance Network (AGGN) of German Academic Exchange Service (DAAD), Germany, **2<sup>nd</sup>–21<sup>st</sup> August 2016.**
- xxiii. Conference of National Medicines Quality Control Laboratories in ECOWAS Region, Mauritania and Chad organized by the West Africa Health Organization (WAHO) in Accra, Ghana, **28<sup>th</sup> – 30<sup>th</sup> June 2016.**
- xxiv. Symposium on: Natural Solutions to 21<sup>st</sup> Century Health Problems-From Research Laboratories to Commercialization, Kwame Nkrumah University of Science and Technology, Kumasi, **24<sup>th</sup> March 2011.**
- xxv. Reproductive and Child Health: Current trends and challenges, 3<sup>rd</sup> Annual Scientific Conference of the College of Health Sciences, Kwame Nkrumah University of Science and Technology, Anita Hotel, Ejisu-Kumasi, **26<sup>th</sup>-27<sup>th</sup> August 2010.**

## CURRICULUM VITAE

- xxvi. First Biennial Conference: Science Environments in Africa, organized by the African Studies Center of the University of Michigan, Ann Arbor, Michigan, USA, **6<sup>th</sup> – 8<sup>th</sup> May 2010**.
- xxvii. International Training on Quality Control of Drugs organized by Action Medeor- German Medical Aid, Germany, in collaboration with the Department of Pharmaceutical Chemistry, FPPS, KNUST and Food and Drugs Board Ghana at the Faculty of Pharmacy, KNUST, Kumasi, **13<sup>th</sup> – 17<sup>th</sup> July 2009**.
- xxviii Addressing the Ghanaian Health Needs; Education and Research on HIV/AIDS, Tuberculosis and Malaria, 1<sup>st</sup> Annual Scientific Conference of the College of Health Sciences, Kwame Nkrumah University of Science and Technology, Noda Hotel, Kumasi, **August 2008**.
- xxix. HIV/AIDS Pharmaceutical Management: Training-of-Trainers Course organized jointly by USAID, Management Sciences for Health and Measure Evaluation, Accra, Ghana, **24<sup>th</sup> – 29<sup>th</sup> March 2008**.
- xxx. Basic Life Support, Continuing Education Programme for Pharmacists organized by the Pharmacy Council in collaboration with the Pharmaceutical Society of Ghana, Miklin Hotel, Kumasi, **September 2008**.
- xxxi. Pain Management: Pharmaceutical Care Perspective, Continuing Education Programme for Pharmacists organized by the Pharmacy Council in collaboration with the Pharmaceutical Society of Ghana, Miklin Hotel, Kumasi, **July, 2007**.

### **10. RECORD OF SERVICE TO COMMUNITY (UNIVERSITY/NATIONAL/INTERNATIONAL)**

#### ***University***

- i. **Member**, Committee to review mode of conduct of supplementary examination in relation to work-life balance, December 2021.
- ii. **Chairman**, Committee to Undertake Quality Assurance Audit of Affiliate Institutions, November 2021
- iii. **Chairman**, Leadership Development Programmes Work Stream sub-Committee of the College of Health Sciences Strategic Plan Monitoring and Implementation Committee, October 2021.

## CURRICULUM VITAE

- iv. **KNUST Representative**, Ghana Tertiary Education Commission's (GTEC) visit to the Kings and Queens Medical College to assess the Institution for its Doctor of Pharmacy Programme, September, 2021.
- v. **Resource Person** to the 9<sup>th</sup> KNUST Summer School, 2021, on the topic: 'Strategies for embedding SDGs in University policies and actions', 1<sup>st</sup> September, 2021.
- vi. **Co-Chairman** of the Steering Committee for the MoU between the Ministry of Health, Ghana, and the KNUST in lieu of Health Training Institutions, August 2021 to date.
- vii. **Member**, Committee to develop guidelines for cost-sharing at the Boadi Medical Enclave, May 2021.
- viii. **Member**, Sub-committee for Staff and Leadership-FIDLETS Strategy 7 on the actualization of the strategies and vision of the College Strategic Plan (CHS 2K24), May 2021.
- ix. **Chairman**, Joint Committee to develop Teaching and Learning Materials for Ghanaian Sign Language at the College of Health Sciences, KNUST, April 2021 to date.
- x. **Member**, Committee to review the proposed upgrade of Department of Nursing to School of Nursing and Midwifery, April 2021 to July 2021.
- xi. **Chairman**, Committee to review payment of honoraria in respect of sandwich and other related programmes run by the Department of Nursing, 30<sup>th</sup> March 2021 to date
- xii. **Resource Person**, College of Health Sciences, KNUST, orientation programme for First Year International Students, 26<sup>th</sup> March 2021.
- xiii. **Chairman**, Committee to address concerns of Ministry of Health Training Institutions affiliated to KNUST, 3<sup>rd</sup> March 2021 to date.
- xiv. **Member**, Committee for review of proposals to mount postgraduate programmes at the School of Veterinary Medicine, KNUST, March to date May 2021.
- xv. **Member**, Inter-Professional Education and Training Committee, 17<sup>th</sup> February 2021 to date.

## CURRICULUM VITAE

- xvi. **Member**, College of Health Sciences External Campus Committee, 8<sup>th</sup> February 2021 to date.
- xvii. **Chairman**, Committee to review proposed BSc. Medical Sciences programme, 28<sup>th</sup> January 2021 to date.
- xviii. **Chairman**, Committee to propose a standardized tuition fees for students in the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, 22<sup>nd</sup> January-25<sup>th</sup> February 2021.
- xix. **Member**, College of Health Sciences Orientation Planning Committee, 23<sup>rd</sup> December 2020-12<sup>th</sup> January 2021.
- xx. **Chairman**, Sub-Committee to review Financial Sustainability Thematic Area of KNUST Strategic Plan 2016-2025 (PLAN2K25), 22<sup>nd</sup> December-15<sup>th</sup> January 2021.
- xxi. **Member**, Project Team representing KNUST on the joint KNUST-Aurelia Holding AG, Germany, development of KNUST Centre for Capacity Development in Automobile and Manufacturing (CEDACAM), November 2020 to date.
- xxii. **Resource Person**, Orientation Programme for newly appointed academic Senior Members of the College of Health Sciences, 23<sup>rd</sup>-24<sup>th</sup> September 2020
- xxiii. **Member**, Committee to conduct a comprehensive mid-term review of the KNUST Corporate Strategic Plan 2016-2025.
- xxiv. **Ag Dean**, Faculty of Pharmacy and Pharmaceutical Sciences, 25<sup>th</sup> August - 7<sup>th</sup> September 2020; 15<sup>th</sup>-19<sup>th</sup> October 2020, 13<sup>th</sup> -14<sup>th</sup> November 2020, 7<sup>th</sup>-9<sup>th</sup> July 2021, 8<sup>th</sup>-9<sup>th</sup> September, 2021, 16<sup>th</sup> -18<sup>th</sup> February 2022, 24<sup>th</sup> -25<sup>th</sup> February 2022, 14<sup>th</sup> -15<sup>th</sup> March, 2022, 24<sup>th</sup>- 25<sup>th</sup> March, 2022.
- xxv. **Chairman**, College of Health Sciences Examination Management Committee, 1<sup>st</sup> September 2020-31<sup>st</sup> August 2023.
- xxvi. **Chairman**, Finance Sub-Committee of the 9<sup>th</sup> Biennial Scientific Conference of the College of Health Sciences, September 2020-1<sup>st</sup> October 2021
- xxvii. **Member**, College of Health Sciences Scientific Conference Committee, 1<sup>st</sup> September 2020-31<sup>st</sup> August 2023.
- xxviii. **Chairman**, Photocopy Management Committee, 1<sup>st</sup> September 2020-31<sup>st</sup> July 2022.

## CURRICULUM VITAE

- xxix. **Member**, Committee to evaluate the Conduct of Examinations at KNUST, 17<sup>th</sup> August-15<sup>th</sup> October 2020.
- xxx. **Member**, Committee of the College of Health Sciences Board to review proposal to mount a master's degree programme in Global Health submitted by the KNUST School of Public Health, 12<sup>th</sup> August 2020-15<sup>th</sup> October 2020.
- xxxi. **Member**, Kumasi Registered Midwifery Invigilation Team for the Ministry of Health Terminal Diploma Examination, 2<sup>nd</sup> -6<sup>th</sup> August, 2020.
- xxxii. **Resource Person**, Workshop for Examinations Officers, 20<sup>th</sup> November, 2019.
- xxxiii. **Member**, Committee to develop Online Examination and Assessment, Teaching and Learning Policy, November 2019 to date.
- xxxiv. **Vice-Dean**, Faculty of Pharmacy and Pharmaceutical Sciences, 1<sup>st</sup> August 2020-31<sup>st</sup> December 2021
- xxxv. **Ag Head**, Department of Pharmaceutical Chemistry, 28<sup>th</sup>-30<sup>th</sup> October, 2019.
- xxxvi. **Reviewer**, KNUST Research Fund (KReF) applications, since 2019
- xxxvii. **Member**, Standing Committee for Examination Malpractices, April 2019 to date
- xxxviii. **Reviewer** for Journal of Science and Technology (JUST), since March 2019
- xxxix. **Chairman**, Committee to consider the status of students with 'Df' and 'I' within the university, March-April 2019
- xl. **Member**, Committee to pay reconnaissance visit to Entrance University College of Health Sciences to validate the Doctor of Pharmacy (PharmD) programme, February-March 2019
- xli. **Resource Person** for First Year Orientation Programme on the topic: University Assessment/Exams and Grading System, Saarah Mensah Auditorium, KNUST (KNUST School of Business), August 2018, 2019, and Great Hall, KNUST, January 2021.
- xlii. **Member**, Mature Students' Interview Panel of the Faculty of Pharmacy and Pharmaceutical Sciences, August 2005-2012; August 2017 to date
- xliii. **Chairman**, Coordinating Committee for Examinations of Diploma Awarding Institutions of the Ministry of Health affiliated to KNUST, May 2018 to date.

## CURRICULUM VITAE

- xliv. **Member**, Committee to review Doctor of Pharmacy Curriculum, 2<sup>nd</sup> April to 30<sup>th</sup> May 2018.
- xlv. **Chairman**, Committee for Conversion of Academic Grading System to Grade Point Average (GPA) 23<sup>rd</sup> February 2018 – to date.
- xlvi. **Member**, Committee to Develop Curriculum for 6<sup>th</sup> Year Pharm.D. Top-Up Programme, February 2018.
- xlvii. **Chairman**, College of Health Sciences Examinations Audit Team, January 2018 to date.
- xlviii. **Member**, University Examinations Audit Team, December 2017 to date.
- xlix. **Team Leader**, College Invigilation Monitoring Team, November 2017 to date.
- I. **Juror** (Category of Mobile Pharmacy and Rural Mobile Evangelism), 'Afromobitecture 2017', Student's Exhibition and Awards organized by the Department of Architecture, 21<sup>st</sup> – 23<sup>rd</sup> November 2017.
- li. **Resource Person**, Fresh Graduate Students Orientation, Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, October 2017.
- lii. **Member**, Committee to develop a curriculum for BSc. Programme in Industrial Pharmacy, October 2017.
- liii. **Member**, Board of the College of Health Sciences, 1<sup>st</sup> August 2017-31<sup>st</sup> July 2019, 1<sup>st</sup> August 2020 to date.
- liv. **Member**, Board of the Faculty of Pharmacy and Pharmaceutical Sciences, 1<sup>st</sup> August 2017-31<sup>st</sup> July 2019; 1<sup>st</sup> August 2020 to date.
- lv. **Chairman**, Board of the Department of Pharmaceutical Chemistry, 1<sup>st</sup> August 2017-31<sup>st</sup> July 2019; 1<sup>st</sup> August 2020 to date.
- lvi. **Head**, Department of Pharmaceutical Chemistry, 1<sup>st</sup> August 2017 -31<sup>st</sup> July 2019; 1<sup>st</sup> August 2020-31<sup>st</sup> July 2022.
- lvii. **Acting Head**, Department of Pharmaceutical Chemistry, 27<sup>th</sup> July 2017.
- lviii. **Acting Head**, Department of Pharmaceutical Chemistry, 26<sup>th</sup> – 29<sup>th</sup> June 2017.
- lix. **Acting Head**, Department of Pharmaceutical Chemistry, 12<sup>th</sup> – 14<sup>th</sup> June 2017.
- lx. **Acting Head**, Department of Pharmaceutical Chemistry, 26<sup>th</sup> – 28<sup>th</sup> April 2017.

## CURRICULUM VITAE

- lxi. **Acting Head**, Department of Pharmaceutical Chemistry, 28<sup>th</sup> February– 4<sup>th</sup> March 2017.
- lxii. **Session Chairman**, Graduate Students' Week of Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, 3<sup>rd</sup> March 2017, 13<sup>th</sup> March 2019.
- lxiii. **Member**, Committee to review proposal to mount Master's programme in Occupational and Environmental Health and Safety, February 2017.
- lxiv. **Member**, Committee to review proposed course outlines for taught courses and comprehensive examination for MPhil. and PhD. programmes in the Department of Pharmaceutics, February 2017.
- lxv. **Member**, Management Board of the College of Health Sciences, August 2017 to date
- lxvi. **Chairman**, Faculty Laboratories Refurbishment and Equipment Committee, December 2016 to date.
- lxvii. **Fellow**, Unity Hall, November 2016 to date.
- lxviii. **Member**, University Examinations Coordinating Committee (January 2005 – May 2012; October 2016 to date).
- lxix. **Member**, Faculty Examiners' Board, February 2003 to date.
- lxx. **Member**, Pharmacy Practice Laboratory Committee, November 2016.
- lxxi. **Member**, Committee to review and regulate Teaching and Examinations Time Tables and Use of Classrooms across the University, October 2016 to date.
- lxxii. **College Examinations Officer**, October 2016 to date.
- lxxiii. **Acting Head**, Department of Pharmaceutical Chemistry, 23<sup>rd</sup> – 24<sup>th</sup> August 2016.
- lxxiv. **Internal Examiner**, PhD and MPhil. Examinations at the Department of Pharmacognosy, KNUST, August 2016, September 2018, September, 2021.
- lxxv. **Acting Head**, Department of Pharmaceutical Chemistry, July 2016.
- lxxvi. **Acting Head**, Department of Pharmaceutical Chemistry, 21<sup>st</sup> February – 7<sup>th</sup> March 2011.
- lxxvii. **Faculty Examinations Officer**, January 2005-May 2012.



## CURRICULUM VITAE

- lxxviii. **Member**, Committee for the Development of Curriculum and Time Table for Pre-University Course for First Year Pharmacy International students – August 2011.
- lxxix. **Member**, Doctor of Pharmacy (Pharm.D.) Programme Implementation Committee. August 2017 to date.
- lxxx. **Member**, Committee to Develop Doctor of Pharmacy (Pharm.D.) Curriculum, October 2010.
- lxxxi. **Member**, Committee for Implementation of Parallel Programme at the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, September 2010.
- lxxxii. **Academic Tutor**, 2004 - May 2012; August 2016 to date.
- lxxxiii. **Faculty of Pharmacy and Pharmaceutical Sciences Representative**, University Academic Board, October 2009.
- lxxxiv. **Member**, Faculty Evaluation and Assessment Committee, September 2009.
- lxxxv. **Member**, Faculty Physical Facilities Committee, September 2009.
- lxxxvi. **Secretary**, Committee for the Establishment of M.Sc. Pharmaceutical Technology Programme at the Faculty of Pharmacy and Pharmaceutical Sciences, September 2006.
- lxxxvii. **Member**, Faculty of Pharmacy Brochure Committee, September 2005 – June 2012.
- lxxxviii. **Senior Member** in charge of preparation of accreditation documents for the Faculty of Pharmacy, June 2006.
- lxxxix. **Faculty Representative**, Training of Trainers Workshop on the Use of HI-TECH to Develop and Deliver Instructional Material organized by the Quality Assurance Unit, KNUST., 2004.

### **National**

- xc. **Moderator for Pharmaceutical Chemistry**, Kings and Queens Medical College, Akosombo, 1<sup>st</sup> August 2020-31<sup>st</sup> July 2022.
- xc. **Member**, Accreditation Panel of the Ghana Tertiary Education Commission for HND Pharmacy Technician programme at the Takoradi Technical University, June 2021.

## CURRICULUM VITAE

- xcii. **Assessor for Promotion to Senior Lecturer Status**, Faculty of Medicine and Health Science, Kumasi Polytechnic (Now Kumasi Technical University), Kumasi, Ghana- January 2012, Department of Pharmaceutical Sciences, Central University, Accra, Ghana (March, June 2019, November 2020), Department of Pharmaceutical Chemistry, University of Ghana School of Pharmacy, April 2021, Department of Chemistry, School of Physical Physical and Mathematical Sciences, October 2021.
- xciii. **External Examiner**, Department of Pharmaceutical Chemistry, School of Pharmacy, University of Health and Allied Sciences, Ho, Ghana, since 2018/2019 academic year.
- xciv. **Moderator for Pharmaceutical Chemistry**, Entrance University College of Health Sciences, 2018-2020.
- xcv. **Foundational Adjunct Senior Member**, University of Ghana School of Pharmacy, University of Ghana, August 2009.
- xcvi. **Member**, Steering Group for Self-Assessment tool development in Pharmacy Education, Local Committee for the Educational Committee of the International Federation of Pharmacists (FIP), November 2008.

### ***International***

- xcvii. **Member**, Committee on Global Graduate Education of the Board of Pharmaceutical Sciences, International Federation of Pharmacists (FIP), January 2021.
- xcviii. **African Expert**, Review of the Baden Wuerttemberg (Germany) Africa-in-Focus Strategy, 1<sup>st</sup> -3<sup>rd</sup> July 2020.
- xcix. **Reviewer**, Journal of Pharmacognosy and Natural Products, since May 2020.
- c. **Editor**, Scientific African Journal, Elsevier Series, since July 2019
- ci. **Reviewer**, Journal of Applied Pharmaceutical Science, since 2019
- cii. **Guest Speaker**, 2<sup>nd</sup> Network Meeting of the Yaoundé-Bielefeld Graduate School (YaBiNaPA Project) held at the Higher Teacher Training College, University of Yaoundé I Cameroon, 12<sup>th</sup>-16<sup>th</sup> February, 2019.

## CURRICULUM VITAE

- ciii. **Representative of the Faculty of Pharmacy and Pharmaceutical Sciences**, Conference of National Medicines Quality Control Laboratories in ECOWAS organized by the West Africa Health Organization (WAHO) in Niamey, Niger- 7<sup>th</sup>– 10<sup>th</sup> November 2017.
- civ. **Chairman**, Session 1 of Commission A: Children and Youth with Disabilities, 5th AfriNEAD & 7th College of Health Sciences Scientific Conference, Saarah Mensah Auditorium (KNUST School of Business), 7<sup>th</sup> – 9<sup>th</sup> August 2017.
- cv. **Elsevier Reviewer**, Journal of Traditional and Complementary Medicine, since 2016.
- cvi. **Instrumental Access Applications Reviewer**, Seeding Labs Instrumental Access Programme (USA), since 2016.
- cvii. **Director of Research**, Education and Health Promotion, Community Level Environmental Awareness Network (CLEAN-Africa e.V.) a Not-for-Profit Organization based in Stuttgart, Germany, since 2015.
- cviii. **Speaker**, International Workshop on Parliament without Barriers (PAMBA GHANA): Kick-off for barrier free built environments, held in Accra-Ghana, and jointly organized by CLEAN-Africa, Frankfurt University of Applied Sciences, Department of Architecture, KNUST, and African Good Governance Network (AGGN) of the German Academic Exchange Services (DAAD), Accra, Ghana-4<sup>th</sup> August 2016.
- cix. **Head**, Scientific Committee, International Workshop on Parliament without Barriers (PAMBA GHANA): Kick-off for barrier free built environments, held in Accra-Ghana and jointly organized by CLEAN-Africa, Frankfurt University of Applied Sciences, Department of Architecture, KNUST, and African Good Governance Network (AGGN) of DAAD, Germany-2<sup>nd</sup> August – 21<sup>st</sup> August 2016.
- cx. **Rapporteur**, Conference of National Medicines Quality Control Laboratories in ECOWAS, Accra, Ghana, 27<sup>th</sup> – 29<sup>th</sup> June 2016.
- cxii. **Representative of the Faculty of Pharmacy and Pharmaceutical Sciences**, KNUST, to the Conference of National Medicines Quality Control Laboratories in ECOWAS organized by the West Africa Health Organization (WAHO) in Accra, Ghana, 28<sup>th</sup> – 30<sup>th</sup> June 2016.

## CURRICULUM VITAE

- cxii. **Technical Expert** from the Faculty of Pharmacy and Pharmaceutical Sciences to the West Africa Health Organization (WAHO) for Peer Review of Guidelines and Training Manuals for Quality Control Laboratories in ECOWAS Region, Splendid Hotel, Ouagadougou, Burkina Faso -16<sup>th</sup>-17<sup>th</sup> February 2012.
- cxiii. **Member**, West Africa Regional Technical Resource Committee for Pharmaceutical Supplies Management, since 2007.
- cxiv. **Visiting Senior Lecturer** (June 2009-July 2018) and **Visiting Associate Professor** (August 2018 to date), Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Madonna University, Elele, Rivers State, Nigeria.

### REFEREES

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