

ISAAC KINGSLEY AMPONSAH

CONTACT INFORMATION

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EDUCATION

2012	PhD	Pharmacognosy Kwame Nkrumah University of Science and Technology, Kumasi Ghana
2005	B.Pharm	Pharmacy Kwame Nkrumah University of Science and Technology, Kumasi Ghana

PROFESSIONAL CERTIFICATIONS, OTHER TRAINING

2018- April-May	Good manufacturing practices for medicines and healthcare products with traditional and herbal medicines inclusive, e-learning course i+solutions, Amsterdam, Netherlands
2018- May	Quality assurance of herbal and traditional medicine course HANOI University of Pharmacy, Vietnam
2013-July	Logistics and supply chain management of health commodities, USAID-DELIVER, July 2013
2007- Date	Pharmacist License (Number PA 2377) Pharmacy Council of Ghana

ACADEMIC APPOINTMENTS

2016 August-Date

Senior Lecturer

Department of Pharmacognosy
Faculty of Pharmacy and Pharmaceutical
Sciences
Kwame Nkrumah University of Science and
Technology, Kumasi Ghana

2012—2016

Lecturer

Department of Pharmacognosy
Faculty of Pharmacy and Pharmaceutical
Sciences
**Kwame Nkrumah University of Science and
Technology, Kumasi Ghana**

2019- Date

Course Facilitator

West African Postgraduate Collage of
Pharmacist

2017-Date

Lecturer & Examiner

Ghana College of Pharmacists

2013-2015

Visiting Lecturer & Examiner

University of Madonna, Elele, Port Harcourt,
Rivers State, Nigeria

2007-2010

Demonstrator

Department of Pharmacognosy
Faculty of Pharmacy and Pharmaceutical
Sciences
**Kwame Nkrumah University of Science and
Technology, Kumasi Ghana**

2005-2006

Teaching Assistant

Department of Pharmacognosy
Faculty of Pharmacy and Pharmaceutical
Sciences
**Kwame Nkrumah University of Science and
Technology, Kumasi Ghana**

OTHER PROFESSIONAL APPOINTMENTS

2019-Date	Superintendent Pharmacist, Rasboro Pharmacy, Asokore mampong, Kumasi
2013-2016	Superintendent Pharmacist De-may Pharmacy, Gynase, Kumasi
2008-2010	Superintendent Pharmacist Lucas Pharmacy, Breman, Kumasi

RESEARCH INTEREST

- ✓ Clinical trial of herbal products
- ✓ Standardisation of herbal products
- ✓ Quality control of finished herbal products and raw materials
- ✓ Socio-cultural aspect of herbal medicine research
- ✓ Plant products as biofilm inhibitors
- ✓ Plant products with antimicrobial actions, anti-inflammatory, antidiabetic, wound healing actions
- ✓ Generally, efficacy testing of herbal or plant products

AREA OF SPECIALTY

- ✓ Development of herbal monographs
 - ✓ Development of Herbal Pharmacopoeia's
 - ✓ Quality control of herbal Products
 - ✓ Phytochemistry
 - ✓ Metabolite Profiling
 - ✓ Bioassays of Plant products
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PROFESSIONAL ACTIVITIES (SERVICE)

University Community

- ✓ **2020** **Member**, Faculty of Pharmacy and Pharmaceutical Sciences staff motivation disbursement committee
- ✓ **2020** **Member**, College of Health Sciences quality assurance sub-committee
- ✓ **2019** **Member**, KNUST Travel Policy Committee
- ✓ **2019** **Team Leader**, College of Health Sciences team of invigilators for the Nursing and Midwifery terminal examination in Wa, Ghana
- ✓ **2019** **Chairman**, Local Organising Committee, National Herbalist training, Department of Herbal Medicine
- ✓ **2019** **Member**, Faculty of Pharmacy and Pharmaceutical Sciences class rooms restructuring/reorganization committee
- ✓ **2019** **Member**, Faculty of Pharmacy and Pharmaceutical Sciences Freshers orientation committee
- ✓ **2019** **External assessor of poster presentations** at the Ghana Science Association Kumasi Chapter, 8th Research Conference on the theme 'Using Science, Technology and Innovation to improve quality healthcare delivery in Ghana' on 1st May 2019 at the college of science auditorium.
- ✓ **2018** **Team Leader**, College of Health Sciences team of invigilators for the Nursing and Midwifery terminal examination in Mampong, Ashanti, Ghana, from 12th to 13th June, 2018.
- ✓ **2018** **Member**, Pharm D curriculum review committee
- ✓ **2018** **Member**, Bachelor of Herbal Medicine curriculum review committee
- ✓ **2017** **Member**, Faculty of Pharmacy white coat ceremony committee-
- ✓ **2017** **Member**, Faculty of Pharmacy and Pharmaceutical Sciences Production Unit Management Committee
- ✓ **2016** **Faculty Relations Officer**, Faculty of Pharmacy and Pharmaceutical Sciences, KNUST

- ✓ **2016** **Member**, KNUST Fresher's Orientation programmes review committee
- ✓ **2016** **Member-secretary**, Faculty of Pharmacy Laboratory refurbishment and Equipment committee- 2016 to date.
- ✓ **2014** **Member**, Faculty of Pharmacy & Pharmaceutical Sciences Procurement Committee.
- ✓ **2013-Date** **Examinations officer**, Department of Pharmacognosy, January 2013 to date.

National /International service
2020

- ✓ **2020** **Panel member**, Curriculum Review of The Medicinal Plants Research and Drug Development Msc program, Pan African University, Life and Earth Science Institute (PAULESI), Nigeria
- ✓ **2020** **COVID-19 Assessment Protocols Research committee member**, Ministry of Health Ghana. Committee developing pre-clinical trial protocols for testing local herbal products for efficacy in the management of COVID-19 and other diseases
- ✓ **2020- Date** **Chairman**, Education and Research committee of the Traditional Medicine Practice Council (TMPC) of Ghana
- ✓ **2019 to date** **Member**, Governing Board, Traditional Medicine Practice Council (TMPC) of Ghana.
<https://www.ghanabusinessnews.com/2019/08/07/governing-board-of-traditional-medicine-practice-council-inaugurated/>
- ✓ **2019** **Resource Person**, continuous professional development (CPD) programme for medicinal herbalist organized by the Traditional Medicine Practice council, I was the main facilitator and presented on the topic 'Academic writing skills II'
- ✓ **2018** **Thematic speaker** for the 16th African traditional Medicine Day celebration on 31st August 2018 in Kumasi in the Ashanti Region of Ghana. I spoke on the theme "Local Manufacturing of Traditional Medicine Products in the African Region".
<https://afro.who.int/news/ghana-celebrates-16th-african-traditional-medicines-day>
- ✓ **2018** **Resource person**, international workshop on regulating Herbal and Traditional Medicinal Products Accra, presented on the topic 'Experience gained and lessons learned in the development of Herbal Monographs in Ghana'.

- ✓ **2017 to date** **Expert Committee member**, Development of the second volume of the ECOWAS Pharmacopoeia, West African Health Organisation (WAHO).
- ✓ **2017** **Member**, ECOWAS committee for the development of an intellectual property right (IPR) document for the protection of traditional medical Knowledge for the sub-region.
- ✓ **2017** **Expert committee member**, Traditional Medicine Directorate, Ministry of Health Ghana, for the development of the first essential herbal medicine list for Ghana
- ✓ **2017-2019** **Department External Examiner**, Department of Biomedical and Forensic Science, University of Cape Coast, University of Cape Coast, Ghana.
- ✓ **2017-present** **External Examiner**, School of Graduate Studies, University of Cape Coast, University of Cape Coast, Ghana.
- ✓ **2015-2017** **Executive member**, Pharmaceutical Society of Ghana, Ashanti region-2015 to 2017.
- ✓ **2015** **Technical expert**, West Africa Health Organisation (WAHO), Development of the 1st edition of the West African herbal Pharmacopoeia
- ✓ **2015** **Technical expert**, Science and Technology Policy Research Institute (STEPRI) Ghana, Development of the 3rd edition of the Ghana herbal Pharmacopoeia
- ✓ **2013-2019** **Resource person**, National training workshop for Herbalists and Traditional Medicine Practitioners
- ✓ **2014** **Vice-Country coordinator**, West African Network of Natural Product Research scientist, Ghana Chapter

REVIEWER

GRANTS

- ✓ **2018-2019** **4th and 5th KNUST research grant (KreF)**

JOURNALS

2019

AAS Open Research

<https://aasopenresearch.org/articles/2-20/v2#referee-response-27155>

2017

Asian Journal of Biotechnology and Bioresource Technology

2016

European Journal of Medicinal Plants

RESEARCH LINKS

- Pharmacognosy research Laboratories and herbal analysis services, University of Greenwich, Chatham, Kent, United Kingdom.
- Department of Pharmacognosy and Herbal Medicine, University of Ghana, Legon
- Herbal Medicine Unit, Kumasi South Hospital, Ghana
- Herbal Medicine Unit, Tafo government hospital
- Department of environmental and occupational health, Texas A&M, School of Public health, College station, Texas, USA.

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

2016	Member , Society of Medicinal Plants and Natural Products research
2013	Member , International Association of Public Health Logisticians (IAPHL)
2012	Member , University Teachers Association of Ghana (UTAG)
2012	Member , Academic, Social and Research Pharmacist Association of Ghana
2008	Member , West African Network of Natural Product Research Scientist (WANNPRES)
2007	Member , Pharmaceutical society of Ghana (MPSGH)

FUNDED RESEARCH AND GRANTS

2018 -Study/Travel grant \$ 12,000	German Agency for International Cooperation (GIZ) funding through their Cross-Sector Cooperation Fund (Prolifund), travel/study grant to Vietnam. https://www.modernghana.com/news/855365/traditional-medicine-practitioners-and-researchers-undergo-i.html
2018-study grant	e-learning course 'GMP for medicines and healthcare products-herbal and traditional medicine inclusive' funded by the German Agency for International Cooperation (GIZ) through their Global Project 'Access to Medicines'

2018-Travel grant (\$5,000)	Carnegie African Diaspora Fellowship Alumni travel grant to participate in health system research (hsr2018) symposium, Liverpool, UK
2016-Host Project completed	Carnegie African Diaspora Fellowship Host Project request Award- 2016 https://www.iie.org/en/Programs/Carnegie-African-Diaspora-Fellowship-Program/Selected-Projects/May-2016
2016-Research grant \$10,000 (completed)	Principal Investigator , Building stronger Universities (BSU) Phase II (WP3)-DANIDA, Microbial resistance project award
2009	KNUST staff development scholarship for PhD

REFEREED JOURNAL PUBLICATIONS

1. Harley, B. K., **Amponsah, I. K.**, Ben, I. O., Adongo, D. W., Mireku-Gyimah, N. A., Baah, M. K., & Fleischer, T. C. (2021). Myrianthus libericus: Possible mechanisms of hypoglycaemic action and in silico prediction of pharmacokinetics and toxicity profile of its bioactive metabolite, friedelan-3-one. *Biomedicine & Pharmacotherapy*, 137, 111379.
2. Baidoo, M. F., Mensah, A. Y., Ossei, P. P. S., Asante-Kwatia, E. and **Amponsah, I. K.** (2021). Wound healing, antimicrobial and antioxidant properties of the leaf and stem bark of *Entada africana* Guill. & Perr. *South African Journal of Botany*, 137:52-59.
3. **Amponsah, I.K.**, Armah, F.A., Alake, J., Harley, B., Ampofo, E.K., Asante-Kwatia, E., Clinton, A.B., Amoani, B., & Henneh, I.T. (2020). In-vitro Anti-cercarial activity of extracts and steroidal alkaloids from the stem bark of *Holarrhena floribunda* (G. Don) Dur. & Schinz. *International Journal of Phytomedicine*, 12(3):069-078
4. Ampofo, E. K., **Amponsah, I. K.**, Asante-Kwatia, E., Armah, F.A., Atchoglo, P.K. and Mensah, A.Y. (2020). Indigenous medicinal plants as biofilm inhibitors for the mitigation of antimicrobial resistance. *Advances in Pharmacological and Pharmaceutical Sciences*. vol. 2020, Article ID 8821905, 10 pages, 2020. <https://doi.org/10.1155/2020/8821905>
5. Harley, B. K., Dickson, R. A., **Amponsah, I. K.**, Ben, I. O., Adongo, D. W., Fleischer, T. C. and Habtemariam, S. (2020). Flavanols and triterpenoids from *Myrianthus arboreus* ameliorate hyperglycaemia in streptozotocin-induced diabetic rats possibly via glucose uptake enhancement and α -amylase inhibition. *Biomedicine and Pharmacotherapy*, 132: 10847.
6. Harley, B. K., Dickson, R. A., **Amponsah, I. K.**, Ngala, R. A., Berkoh, D. and Fleischer, T. C. (2020). Antidiabetic effect of *Chrysophyllum albidum* is mediated by enzyme inhibition and enhancement of glucose uptake via 3T3-L1 adipocytes and C2C12 myotubes. *Asian Pacific Journal of Tropical Biomedicine*, 10(9): 387-396.
7. Baah, M. K., Mensah, A. Y., Asante-Kwatia, E., **Amponsah, I. K.**, Forkuo, A. D., Harley, B. K. and Adjei, S. (2020). In vivo antiplasmodial activity of different solvent extracts of *Myrianthus libericus* stem bark and its constituents in *Plasmodium berghei*-infected mice. *Evidence-Based Complementary and Alternative Medicine*. vol. 2020, Article ID 8703197, 10 pages, 2020. <https://doi.org/10.1155/2020/8703197>

8. Turkson, B.K., Mensah, M.L.K., **Amponsah, I.K.**, Mensah, A.Y., Achaab, E., Mensah, R.B., Atakorah, E., Ofori Attah, E., Zoiku. (2020). In vitro and in vivo Activity of Mist Amen Fevermix and Edhec Malacure, Polyherbal Antimalarial Products on Field Isolates of Plasmodium falciparum and Plasmodium berghei. *Discovery Phytomedicine*, 7(3): 97-102
9. Evelyn Afua Mireku, Abraham Yeboah Mensah, **Isaac Kingsley Amponsah**, Cynthia Amaning Danquah, Daniel Anokwah, Michael Kwesi Baah. Antimicrobial pentacyclic triterpenes and glycosides from the stem bark of *Cussonia bancoensis*. *Natural product research*, 34(6): 859-862.
10. Turkson, B. K., Mensah, M., Sam, G. H., Mensah, A. Y., **Amponsah, I. K.**, Ekuadzi, E., Komlaga, G., & Achaab, E. (2020). Evaluation of the Microbial Load and Heavy Metal Content of Two Polyherbal Antimalarial Products on the Ghanaian Market. *Evidence-based complementary and alternative medicine: eCAM*, 2020, 1014273. <https://doi.org/10.1155/2020/1014273>
11. Tetteh AW, Thomford KP, Mensah ML, Boadu KO, Thomford AK, **Amposah IK**, Amofa G, Turkson BK, Agyemang MO, Owusu-Ansah ED. Ghanaian herbal medicines for malaria: An Evaluation of the Clinical Safety and Effectiveness of “Time Herbal Mixture” in uncomplicated malaria. *Phcog Res* 2020;12:71-5
12. Yakubu, J., Boakye-Gyasi, E., Abotsi, W.K.M., **Amponsah, I.K.**, Adongo, D. W. and Woode, E. (2020). Hydroethanolic Stem Bark Extract of *Burkea africana* Attenuates Vincristine-Induced Peripheral Neuropathy in Rats. Volume 2020, Article ID 7232579, 14 pages <https://doi.org/10.1155/2020/7232579>.
13. Baidoo, M. F., Asante-Kwatia, E., Mensah, A.Y., Sam, G.H., **Amponsah, I.K.** (2019). Pharmacognostic characterization and development of standardization parameters for the quality control of *Entada africana* Guill. & Perr. *Journal of Applied Research on Medicinal and Aromatic Plants*, 12:36-42
14. Appiah, B, **Amponsah, I.K.**, Poudyal A. and Mensah, MLK (2018). Identifying strengths and weaknesses of the integration of biomedical and herbal medicine units in Ghana using the WHO Health Systems Framework: a qualitative study. Accepted, *BMC Complementary and Alternative Medicine*, 18(1):286. doi: 10.1186/s12906-018-2334-2.
15. Mireku EA, Mensah AY, **Amponsah IK**, Danquah CA, Anokwah D and Baah MK (2018). Antimicrobial pentacyclic triterpenes and glycosides from the stem bark of *Cussonia bancoensis*. *Natural Products Research* 5:1-4 doi.org/10.1080/14786419.2018.1503262
16. Mbatchou, V. C., Dickson, R.A., **Amponsah, I. K.**, Mensah, A.Y., & Habtemariam, S. (2018). Protection effect of the anthraquinones, cassiatorin and aurantio-obtusin from seeds of *Senna tora* against cowpea weevil attack. *Asian Pacific Journal of Tropical Biomedicine*, 8(2): 98-105.
17. Armah, F. A., **Amponsah, I. K.**, Mensah, A.Y., Dickson, R.A., Steenkamp, P.A., Madala, N.E. & Adokoh (2018). Leishmanicidal activity of the root bark of *Erythrophleum ivorense* (Fabaceae) and the identification of some of its compounds by ultra-performance liquid chromatography quadrupole time of flight mass spectrometry (UPLC-QTOF-MS/MS). *Journal of Ethnopharmacology* , 211:207-216.
18. Mireku-Gyimah, N. A., Sarpong, K., **Amponsah, I. K.**, Mensah, A.Y., Dickson, R.A. (2018). Comparative Pharmacognostic Studies of two Ghanaian Medicinal Plants: *Saba senegalensis* and *Saba thompsonii*. *International Journal of Pharmaceutical Sciences and Research* 9(4):100-12. doi: 10.13040/IJPSR.0975-8232.9(4):1000-12

19. Amoateng, P, Quansah, E., Karikari, T.K., Asase, A., Osei-Safo, D., Kukuia, K.K.E., **Amponsah, I.K.**, Nyarko, A.K. (2018). Medicinal Plants Used in the Treatment of Mental and Neurological Disorders in Ghana, Evidence-Based Complementary and Alternative Medicine, vol. 2018, Article ID 8590381, 14 pages, <https://doi.org/10.1155/2018/8590381>
20. Armah, F.A., Amoani, B., Henneh, I.T., Dickson, R.A., Adokoh, C., **Amponsah, I.K.**, Adu-Gyamfi, C. and Acheampong, D.O. (2018). In vitro Cercaricidal Activity of Fractions and Isolated Compounds of *Erythrophleum ivorense* (Fabaceae) Root Bark against *Schistosoma haematobium*. International Journal of Tropical Disease & Health 34(3): 1-9.
21. Mbatchou, V. C., Tchouassi, D. P., Dickson, R.A., Annan, K., Mensah, A.Y, **Amponsah, I. K.**, Jacobs, J.W., Cheseto., X., Habtemariam, S. & Torto, B. (2017) Mosquito larvicidal activity of *Cassia tora* seed extract and its key anthraquinones aurantio-obtusin and obtusin. Parasites and Vectors DOI 10.1186/s13071-017-2512
22. Tetteh, A.W., Mensah, M.L., Boadu, K.O., Thomford, K.P., Agyemang, M.O., Annan, K., Dickson, R., Mensah, A.Y., **Amposah, I.K.**, Ekuadzi, E. And Owusu-Ansah, E.D. (2017) Clinical Evaluation of the Safety and Effectiveness of Adutwumwaa Malamix: A Polyherbal Product for the Treatment of Uncomplicated Malaria in Ghana. Journal of Applied Pharmaceutical Science, 7(07):040-045.
23. Ramos, E.K., Ampofo, E. K., Mensah, A. Y., Sarpong, F.M. & **Amponsah, I.K.** (2017). Anti-inflammatory and anti-oxidant activity of *Dialium dinklagei* Harms. (Leguminosae) World Journal of Pharmaceutical Sciences, 5(4): 6-12.
24. Kumathia, E.K., Annan, K., Dickson, R.A., Mensah, A. Y., **Amponsah, I.K.**, Appiah, A.A., Tung, N.H., Tung, N.H., Edoh, D.A. & Habtemariam S. (2017). Antiinflammatory and analgesic effects in rodent models of ethanol extracts of *Clausena anisata* roots and their chemical constituents Natural Products Communications, 12(1): 67-72.
25. **Amponsah, I.K.**, Mensah, A.Y., Ampofo, E. K., Bekoe, S. O., Sarpong, F. M., Jibira, Y. (2016). Pharmacognostic studies of the leaves and seeds of *Cassia occidentalis* (Linn.) (Leguminosae). Journal of Pharmacognosy and Phytochemistry, 5(3): 250-255.
26. Anokwah, D., Mensah, A. Y., **Amponsah, I.K.**, Mireku, E. A., & Mintah, D.N. (2016). Anti-inflammatory, anti-oxidant and antimicrobial activities of the stem bark of *Psydrax subcordata* Pharmacia Lettre, 8(20):21-28.
27. Sarpong, F. M., Armah, F. A., **Amponsah, I.K.**, Atchoglo, P. K. (2016). Antinociceptive Ecdysteroids and other constituents of *Palisota hirsuta* K. Schum (Commelinaceae). Journal of Applied Pharmaceutical Science, 6 (10): 147-153.
28. Sarpong, F. M., **Amponsah, I. K.**, Armah, F. A., Jibira, Y., Gyamfi, R. (2016). Anti-inflammatory and antioxidant activity of the ethanolic stem bark extract of *Pachypodanthium staudtii* Engl. & Diels (Family Annonaceae). World Journal of Pharmaceutical Sciences, 4(7): 73—77.
29. **Amponsah, I.K.**, Orman, E., Mensah, A. Y., Sarpong, F. M., Armah, F.A., Sarpong, L. M. (2016). Development and validation of a radical scavenging antioxidant assay using potassium permanganate. Journal of Scientific and Innovative Research, 5(2): 36-42.
30. Kumatia, E. K., Annan, K., Dickson, R. A., Mensah, A. Y., Amponsah, I. K., Tung, N. H., Ocloo, A and Habertamariam, S. (2016). Anti-inflammatory and analgesic activities of *Annickia Polycarpa* stem back and its constituents Der Pharmacia Lettre, 8 (13):42-52.
31. Sarpong, L.M., Sarpong, F.M. and **Amponsah, I. K.** (2016). Antiplasmodial activity of the leaves and stem bark of *Carapa procera* and *Alstonia boonei*. Der Pharmacia Lettre, 8 (3):116-122.

32. Armah, F. A., Annan, K., Mensah, A.Y., **Amponsah, I. K.**, Tocher, D. A., Habtemariam, S. (2015). Erythroivorenin: a novel anti-inflammatory diterpene from the root-bark of *Erythrophleum ivorense* (A Chev.). *Fitoterapia*, 105:37-42.
33. **Amponsah, I.K.**, Mensah, A.Y., Otoo, A., Mensah, M.L.K., and Jato, J. (2014) Pharmacognostic standardisation of *Hillieria latifolia* (Lam.) H. Walt (Phytolaccaceae) *Asian Pacific Journal of Tropical Biomedicine*, 4(22): 941- 946.
34. **Amponsah, I.K.**, Annan, K., Koffour, G.A., Sarkodie, J.A., Umerie, I.J., Osei-wusu, S. (2014). Anti-inflammatory and antioxidant properties of the ethanolic stem bark extract of *Artocarpus altilis* (Parkinson) Fosberg (Moraceae). *Der Pharmacia Lettre*, 6 (3):211-217.
35. Awarikabey, E., **Amponsah, I.K.**, Woode, M.Y. (2014). The value of the cocoa bean shell (hull) and the effect of various processing methods on the phyto-constituents and antioxidant activity of the nib and shell. *Journal of Natural Product and Plant Resources*, 4 (3):58-64.
36. Dickson, R.A., **Amponsah, I.K.**, Annan, K., Fleischer, T.C. (2014). Nutritive potential of a polyherbal preparation from some selected Ghanaian Herbs. *Journal of Natural Product and Plant Resources*, 4 (3):77-81.
37. Mensah A.Y., Mireku, E.A., Mensah, M.LK, Oppong-Damoah, A. and **Amponsah, I.K.** (2014) Anti-inflammatory and antioxidant activities of *Commelina diffusa* (Commelinaceae). *World Journal of Pharmaceutical Sciences*, 2(10): 1159-1165.
38. Mensah, A. Y., Mireku E., Mensah M.L.K and **Amponsah I.K.** (2014). Some neurological effects of the ethanolic stem bark extract of *Cussonia bancoensis* Aubrev and Pellgr (Araliaceae). *Journal of Pharmacognosy and Phytochemistry*, 2 (6): 101-106
39. Ekuadzi, E., Dickson, R. A., Fleischer, T. C., **Amponsah, I. K.**, Pistorius, D, Oberer, L. (2014). Chemical constituents from *Gouania longipetala* and *Glyphaea brevis*. *Natural Product Research*, 28(15):1210-3.
40. **Amponsah, I. K.**, Fleischer, T. C., Dickson, R. A., Annan, K. and Thoss, V. (2013). Evaluation of the anti-inflammatory and antioxidant activity of Furanocoumarins and Sterolin from the stem bark of *Ficus exasperata* Vahl (Moraceae). *Journal of Scientific and Innovative Research*, 2 (5): 880-887
41. **Amponsah, I. K.**, Fleischer, T. C., Annan, K., Dickson, R. A., Mensah, A. Y. and Sarpong, F. M. (2013). Anti-inflammatory, antioxidant and antimicrobial activity of the stem bark extract and fractions of *Ficus exasperata* Vahl. (Moraceae). *Journal of Pharmacognosy and Phytochemistry*, 2 (3): 38-44.
42. Annan, K., Dickson, R.A., **Amponsah, I.K.** and Nooni, I.K. (2013). The heavy metal contents of some selected medicinal plants sampled from different geographical location. *Pharmacognosy research*, 5:103-8
43. Annan, K., **Amponsah, I.K.**, Sarpong, F.M., Nooni, I.K. and Jato J. (2013). Pharmacognostic Evaluation and Physicochemical Analysis of *Paullinia pinnata* L. (Sapindaceae). *Journal of Pharmacognosy and Phytochemistry*, 2(2):203-208.
44. Koffuor, G.A., Ainoonson, G.K., **Amponsah, I.K.**, Addotey, J.N., Asiamah, E. A., Akuffo, S. K., Adutwum, K. and Bandoh, R. F (2013). Anti-ulcerant activity of an aqueous fruit extract of *Musa x para-disiaca* on acetic acid-induced gastric ulceration in ICR Mice. *Journal of Medical and Biomedical Sciences*, 2(2): 30-39.
45. Koffuor G. A., Ainoonson, G. K., Addotey, J. N. A., **Amponsah, I. K.**, Afriyie, V. A. and Tutu, R. (2013). Preliminary pharmacological investigation of the ischuretic property and safety of a hydro-ethanolic extract of *Amaranthus spinosus* (Fam: Amaranthaceae). *International Journal of Basic & Clinical Pharmacology*, 2(5): 517-527.

46. Sarpong, F. M., Fleischer, T. C., Annan, K., **Amponsah, I. K.**, Dickson, R. A. and Mensah M. L.K. (2013). Anti-inflammatory and anti-oxidant ecdysteroid and Fatty acids from the roots of *Palisota hirsute* K.Schum (Commelinaceae). *International Journal of Pharmacognosy and Phytochemistry*, 28(2):1159-1165.
47. Koffuor, G.A., Ameyaw, E.O., Oppong, K. J., **Amponsah, I.K.**, Sunkwa, A., Semenyao, S. A. (2013). Analgesic activity of Pet-ether, Aqueous and Hydro-ethanolic leaf extracts of *Aspiliaafricana* (PERS) C.D. ADAMS (Asteraceae) in rodents. *International Research Journal of Pharmacy*, 4(7): 39-45.
48. K. Annan, R. A. Dickson, K. Sarpong, C. Asare, **K. Amponsah**, E. Woode (2013). Antipyretic activity of *Polyalthia longifolia* Benth. & Hook. F. Var.Pendula (Annonaceae), on lipopolysaccharide-induced fever in rats. *Journal of Medical and Biomedical Sciences*, 2(1): 8-12.
49. Annan, K., Sarpong, K., Asare, C., Dickson, R., **Amponsah, KI.**, Gyan, B., Ofori, M., Gbedema, S. Y. (2012). In vitro anti-plasmodial activity of three herbal remedies for malaria in Ghana: *Adenia cissampeloides* (Planch.) Harms, *Terminalia ivorensis* A. Chev, and *Elaeis guineensis* Jacq. *Pharmacognosy Research*, 4(4): 225-229.
50. Rita A. Dickson, Kofi Annan, Theophilus C. Fleischer, **Isaac K. Amponsah**, Kwabena Nsiah and J.A. Oteng (2012). Phytochemical Investigations and Nutritive Potential of Eight Selected Plants from Ghana. *Journal of Pharmacy and Nutrition Sciences*, 2(2): 172-177

BOOKS AND BOOK CHAPTERS

1. Amponsah, I.K. (2012). Anti-inflammatory and antimicrobial properties of *Ficus exasperata*: Anti-inflammatory, antioxidant and antimicrobial coumarins and sterols from the leaves and stem bark. Lambert Academic publishing, ISBN: 978-3-8443-0734-4. Available at <http://www.amazon.com/Anti-inflammatory-antimicrobial-properties-Ficus-exasperata/dp/3844307346>

REFEREED RESEARCH PRESENTATIONS: ABSTRACTS

1. Adjei, S., **Amponsah, I.K.**, Harley, B.K., Mensah, A. Y. (2019). Anti-inflammatory and antioxidant activities of the Methanol fruit extract of *Vitex doniana*. Oral presentation at Pharmacy graduate student's week celebration under the theme: 'research and development-the role of the pharmaceutical scientists'
2. Poudyal, A., Appiah, B., **Amponsah I.K.**, & Appiah, G (2018). Newspaper coverage of herbal medicine risks, benefits and policies in sub-Saharan Africa: a content analysis to assess knowledge translation. Poster presentation at the 5th Global Symposium on Health Systems Research, Liverpool, UK, October 2018

WORKSHOPS/CONFERENCES/TRAINING PROGRAMMES ATTENDED

- a. 11th Scientific Congress of Traditional Medicine Practitioners and Conventional Medicine Practitioners, Lagos-Nigeria, 10-12 December, 2019 on the theme 'Medical Provision in the 21st Century: which way ECOWAS?'
- b. Training of Trainers workshop in the safety of plant medicines, Ouagadougou, BURKINA FASO, 29-30th July, 2019, organized by the West Africa Health Organisation.
- c. Training of Trainers of Traditional Medicine Practitioners (TMPs) on Good Agricultural and Manufacturing Practices, Abidjan-Cote d'Ivoire, 11-12 April 2019, organized by the West Africa Health Organisation.
- d. Training workshop for Herbal Practitioners from the Ahafo, Bono and Bono East Regions on the theme 'Promoting primary healthcare through continuous education of herbal practitioners in Ghana' organized by the department of Herbal Medicine from the 2nd to 6th of July, 2019.
- e. 8th Summer School on the theme: improving quality education through effective measurement and evaluation from August 20-24, 2018 organised by the quality assurance and planning unit.
- f. 10th Scientific Congress of Traditional Medicine Practitioners and Conventional Medicine Practitioners, Saly-Senegal, 11-14 December, 2018 on the theme 'The role of traditional medicine practitioners in reducing maternal and child mortality in the ECOWAS region'
- g. Ghana Science Association Kumasi Chapter, 8th Research Conference on the theme ' Using Science, Technology and Innovation to improve quality healthcare delivery in Ghana' on 1st May 2019 at the college of science auditorium.
- h. Fifth Global Symposium on Health Systems Research, 8th-12th October, 2018, Liverpool. I presented a poster on 'Newspaper coverage of Herbal Medicines risks, benefits and policies in sub-Saharan Africa: a content analysis to assess knowledge translation'.
- i. Workshop on regulating Herbal and Traditional Medicinal Products Accra, Ghana from 7th to 9th of March 2018, organized by GIZ(Germany) and the Food and Drugs Administration (FDA) Ghana. I was a resource person and presented on the topic 'Experience gained and lessons learned in the development of Herbal Monographs in Ghana'.
- j. Workshop on Entrepreneurial University Transformation, Kumasi 26th February to 2nd March 2018, organized by the Masstricht School of Management, the Netherlands in collaboration with KNUST.
- k. Workshop for Laboratory Technicians of the Faculty of Pharmacy and Pharmaceutical Sciences (FFPS) at FPPS, Kumasi, Ghana on the 24th of February, 2018. I was a resource person and presented on the topic 'Personal Protection Equipment'.
- l. Continuous Professional Development Programme for Pharmacist on the topic 'Application of the New Standard Treatment Guidelines in Community Pharmacies' organized by the Health Access Network at the Faculty of Pharmacy and Pharmaceutical Sciences on July 24, 2018.

- m. Continuous Professional Development Programme for Pharmacist on the topic 'The Public Health Act of 2012 (Act 851) and the Pharmacist at the Faculty of Pharmacy and Pharmaceutical Sciences on June 28, 2018.
- n. 9th Scientific Congress of Traditional Medicine Practitioners and Conventional Medicine Practitioners organized in Ouagadougou, Burkina Faso, 21-22 December, 2017 on the theme '10 years of traditional medicine promotion in the ECOWAS Region: achievements and challenges'
- o. Staff development seminar, 2016 organised by the Career Development Centre (CDC), College of Health Sciences, KNUST on research communication, university support systems and research in higher education at the Great hall conference room from Monday, 15th – Wednesday, 17th February, 2016.
- p. 5TH summer school for senior members on the theme; 'Sustainable Development of Tertiary Institutions in Ghana amidst Economic and Security Changes' from 17th-20th August, 2015 organised by the quality assurance and planning unit, KNUST.
- q. 1ST NMR structure elucidation training workshop at KNUST from 31ST August to 2nd September, 2015, organised by NOVARTIS, BRUKER and the central laboratory, KNUST.
- r. 4TH summer school for senior members on the theme; advancing science and technology through effective communication; from 18th-22nd August, 2014 organised by the quality assurance and planning unit, KNUST.
- s. Training of Herbal practitioners in Quality Herbal Products Manufacturing and Entrepreneurship for Improved Productivity and Competitiveness at the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, 1st -20th August 2014. I gave a presentation on the topic 'health and safety monitoring of herbal products'.
- t. 2nd National Workshop for herbalist. Theme: Introduction of Basic Science into herbal medicine Production, at the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, 18TH-20TH July 2013. I gave a presentation on the topic 'Quality control of herbal products'.
- u. Staff development seminar organised by the Faculty of Pharmacy & Pharmaceutical Sciences Graduate Program Office, College of Health Sciences, KNUST on 'Process of Graduate Supervision' January, 2013.

STUDENT TRAINING/MENTORING *

DOCTORAL STUDENT

PHARMACOGNOSY

✓ Philomena Entsie	Main supervisor	2020 to present
✓ Silas Adjei	Main supervisor	2019 to present
✓ Daniel Anokwah	Co-supervisor	2017 to 2020
✓ Bernard Kofi Turkson	Co-supervisor	2017 to 2020
✓ Gina Ramos	Main supervisor	2014 to present
✓ Valentine Chi Mbatchou	Co-Supervisor	2014 to 2018

AGROFORESTRY

✓ Samuel Yeboah	Co-supervisor	2016 to present
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DEPARTMENT OF CHEMISTRY

✓ Kennedy Ameyaw Baah	Co-supervisor	2018 to present
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MASTERS' STUDENTS

PHARMACOGNOSY

✓ Silas Adjei	Main supervisor	2017-2019
✓ Nathaniel Nene Djangmah Nortey	Main supervisor	2017-2019
✓ Ralph Ackah	Main supervisor	2015-2018
✓ Philip Kobla Atchoglo	Main supervisor	2015-2018
✓ Elikplim Kwesi Ampofo	Main supervisor	2016-2018

UNDERGRADUATE HONORS THESIS STUDENT

I have mentored over 40 undergraduate students

SELECTED TEACHING EXPERIENCE

KWAME NKURUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

Faculty of Pharmacy & Pharmaceutical sciences

Graduate

- PHARM 571 Natural Product Analysis I
- PHARM 573 Natural Product Analysis II

Undergraduate

Pharm 172: Introductory Pharmacognosy	2012-present
Pharm 272: Phytochemistry	2012-present

Pharm 373: Natural Drug Production and Evaluation	2012-present
Pharm 471: Phytopharmaceuticals and poisons	2012-present
Pharm 473: Traditional medicine	2012-present
Pharm 498: Supply Chain	2014-present
Pharm 171: Plant Morphology	2012-present
Pharm 271: Phytochemistry	2012-present
BHM 354: Complementary medicine	2013-present
BHM 352: Phytotherapy I	2013-present
BHM 371: Poisons of Natural origin	2012-present
BHM 375: Crude Drug Evaluation	2012-present
BHM 453: Phytotherapy III	2013-present

Faculty of Agriculture

CS 460: Conservation of medicinal plants	2015-present
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GHANA COLLEGE OF PHARMACIST

Phytopharmaceuticals	2017-present
Pharmacopoeial standards of plant medicines	2017-present

WEST AFRICA COLLEGE OF PHARMACIST

Ethnopharmacy and complementary therapy	2019-present
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TECHNICAL SKILLS

- Statistical and related software: Graph Pad Prism
- Microsoft word, excel, publisher

Referee

Available on request