**CURRICULUM VITAE**

**Department of Pharmacology**

**College of Health Sciences**

**Kwame Nkrumah University of Science & Technology Mobile: 0243 382661**

**Kumasi, Ghana *cansah.pharm@knust.edu.gh***

***charlesansah88@yahoo.com***

**Charles Ansah,** B.Pharm (*Kumasi*), MSc. DIC, PhD (*Lond*), FPCPharm,

FGCPharm, FPSGH

**Designation**: **Professor of Pharmacology & Toxicology**/**Former Pro Vice-Chancellor, Kwame Nkrumah University of Science & Technology, Kumasi, Ghana.**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Summary of Strengths & Experiences

I have considerable experience as a university professor and administrator. I have been a university administrator as a Head of Department, Dean and acted as Provost on several occasions. I have also served as a former Pro Vice-Chancellor. I have served on several non-statutory and statutory committees of KNUST including the Academic Board. I have been in attendance at the Governing Council of KNUST as a Pro Vice-Chancellor. I have served as an assessor of the defunct NAB for new programmes at both public and private universities.

I have travelled extensively to other universities and I am familiar with the processes and procedures in university management and how universities should brace themselves to face future challenges in the face of dwindling public funding.

I have also served on several state boards including the Agogo Presbyterian College of Education, Pharmacy Council, Food and Drugs Authority and the Centre for Plant Medicine Research, Mampong Akuapem. Presently, I am presently a member of the Ministry of Health Research Committee on Herbal medicines for the possible management of Covid-19 and serve on the Ad Hoc committee charged to develop basic procedures for assessing the efficacy and safety of herbal products.

I am an astute researcher in the area of toxicology, pharmacy, pharmacology and herbal medicine. Am also a member of the KNUST research team on Covid-19. Currently, I serve as an Expert/ Consultant of traditional medicine for the West African Health Organization (WAHO).

## PERSONAL INFORMATION

|  |  |  |
| --- | --- | --- |
|  | Date of Birth: | 12th December, 1959 |
|  | Place of Birth | Mamfe-Akwapim, Eastern Region, Ghana |
|  | Nationality: | Ghanaian |
|  | Marital status: | Married |

## EDUCATION & CERTIFICATES OBTAINED

1965-1971 L/A Primary School, Mempeasem, Eastern Region, Ghana

1971-1975 L/A Middle School, Akim Takyimang, Ghana

**Middle School Leaving Certificate**

1975-1982 Koforidua Secondary/Technical School, Koforidua, Ghana **General Certificate of Education (Ordinary level)**

**General Certificate of Education (Advanced level)**

1982-1987 Kwame University of Science & Technology, Kumasi, Ghana

**Bachelor of Pharmacy (Honours), 2nd Class (Upper Division)**

1993-1994 Royal Postgraduate Medical School, Hammersmith Hospital, University of London,

**Master of Science (Toxicology)**

1993-1994 **Diploma of Imperial College (DIC)**

2000-2004 Imperial College London

**Doctor of Philosophy (Molecular Pharmacology & Toxicology)**

## Awards, Honours and Fellowships & Grants

* 1993-Overseas Development Association Scholarship Scheme (ODASS now DFID) award for an MSc. Programme in Toxicology at Imperial College, London

* 2000-Commonwealth Fellowship Award for Ph.D at Imperial College, London,

* 2008- USD 176,000.00 World Bank Grant for the establishment of cell culture laboratory at the Department of Pharmacology, KNUST, Kumasi

* 2011-USD 100,000.00 West Africa Health Organization Grant for the safety assessment of locally used medicinal plants
* 2016- USD 100,000.00 West Africa Health Organization Grant for the safety assessment of locally used medicinal plants (Batch II).

## Professional affiliations

Since

1989 Member, Pharmaceutical Society of Ghana

1998 Member, Ghana Science Association

2000 Associate Member, British Toxicology Society

2001-2004 Associate Member, American Association of Cancer Research (AACR)

2009 Fellow, West African Postgraduate College of Pharmacists

2012 Foundation Fellow, Ghana Postgraduate College of Pharmacists

2014 Fellow, Pharmaceutical society of Ghana

**SUPERVISION OF STUDENT PROJECT WORK/THESES/RESEARCH**

## Undergraduate - B. Pharm. and BSc. Herbal Medicine

 Supervised over 80 undergraduate projects in Pharmacy, Pharmacology and Herbal Medicine at KNUST

## BSc. Projects supervised outside KNUST

1. NGUYEN, B.A.V (2002). Evaluation of the genotoxicity of Cryptolepine using Chinese hamster lung fibroblasts (V79-MZ) cells. *A thesis presented to the Faculty of Medicine, Imperial College London for the award of BSc. (Pharmacology)*

1. KHAN, A. (2003). Assessing the genetic toxicology of the Herbal antimalarials cryptolepine and the extract of *Cryptolepis sanguinolenta..* *A thesis presented to the Faculty of Medicine, Imperial College London for the award of BSc. ( Pharmacology).*

## Postgraduate projects supervised

* ***Selected M.Phil. Projects***

* 1. MFOAFO, A. M. (2007) *In vivo* toxicological assessment of a crude extract of *Cryptolepis sanguinolenta.*

* 1. OTSYINA, H.R (2008). Toxicological evaluation of *Cryptolepis sanguinolenta, Mormodica charantia* and *Euphorbia hirta* in Rats

* 1. OPPONG, E. (2008). Pharmacotoxicological assessment of *Alchornea cordifolia* leaf extract in rats and mice

* 1. HOMENOO, N. A (2010). Hepatoprotective and toxicological assessment of *Spondias mombin*

* 1. OWUSU, G. (2010). Analgesic, anti-inflammatory and toxicity studies on the stem bark extract of *Trichillia monadelpha.*

* 1. OHENE-ADJEI, T. (2011) Toxicity of herbal medicines used in the management of hypertension in Ghana.

* 1. KUATSIENU LYDIA ENYONAM (2012) Safety Assessment of

Ethanolic extract of *Launaea taraxifolia* in rodents

* 1. ADU-NTI, F. (2012) Modulation of aflatoxin-B1 and carbon tetrachloride- induced hepatic damage by *Morinda lucida.*

* 1. AGGREY APPIAH J. (2014) Antimalarial and safety assessment of *Carica papaya* leaves in rodents.

* 1. MOOMIN ALIU (2015) Nephroprotective and Hepatoprotective Effects of *Terminalia ivorensis* A. Chev. Ethanolic Stem Bark Extract on Sprague Dawley Rats

* 1. KANE-MENSAH PAPA (2015) Antiasthmatic Effects of Cryptolepine-

The major Alkaloid of *Cryptolepis sangunolenta* in Experimental animals.

* 1. BOAKYE DOROTHY SERWAA (2015) Adherence to Antiretroviral Therapy and its impact on Clinical and Immunologic Outcomes
  2. EMMANUELLA APPIAH AKWABOAH (2019) The action of cryptolepine on prostate cancer cells

* ***Ph.D Projects Supervised successfully***

* 1. OWUSU, G., (2020) Anti-inflammatory Effects of Hydroethanolin Leaf Extract of *Cordia vignei* in animal models
  2. DONKOR, F.A., (2016) Efficacy, Pharmacokinetics and safety evaluation of cryptolepine-Artemisinins combinations in the management of malaria.

* 1. ADINORTEY, M. B. (2015). Pharmacological and Toxicological Evaluation of *Dissotis rotundifolia*, A medicinal plant used in Ghana for the Management of Peptic ulcer disease.

* 1. MENSAH, K.B. (2012) Reproductive and Developmental toxicity of the root bark of *Cryptolepis sanguinolenta* in mice.

* 1. DADZEASAH, P.E.A (2012) Safety evaluation and hepatoprotective Activity of the aqueous stem bark extract of *Spathodea campanulata.*

# Current Supervision of postgraduate/undergraduates students

* **PhD** **Year to be completed**

1. Kwame Opare-Asamoah 2021
2. Stephen Mensah Arhin 2022
3. Ivan Nyarko-Danquah 2022
4. Appiah Jemima Aggrey 2023
5. Maryna Yashunina 2023

* **M.Phil**

Nicholas Kwadwo Antwi 2021

* **Undergraduate (10 students)** 2021

**Mentorship of Junior Colleagues**

1. Dr Kwesi Mensah Boadu Senior Lecturer
2. Dr Arnold Forkuo Donkor Lecturer
3. Dr Aaron Opoku Antwi Lecturer
4. Dr. Phyllis Dadzeasah Lecturer (UCC)

***Examination of Graduate theses & External examination***

* Examined several M.Phil, MSc. and Ph.D theses in pharmacology and toxicology in and outside my university.
* Chairperson for a number of M.Phil and Ph.D *viva voice* examinations in my university and other universities .
* External Examiner in Pharmacology and Toxicology at the Department of Medical Laboratory Technology, University of Cape Coast and the School of Veterinary Medicine, University of Ghana.
* External examiner, Department of Pharmacology, University of Port Harcourt

## ADMINISTRATIVE AND OTHER PROFESSIONALLY RELATED EXPERIENCE

* Head, Department of Pharmacology, KNUST (2019-2020)
* Pro-Vice Chancellor, KNUST, 2016-2018
* Dean, Faculty of Pharmacy and Pharmaceutical Sciences, KNUST, 2014-2016
* Member, School of Graduate Studies Board, KNUST, 2014-2016
* Member, College of Health Sciences Board
* Member, Committee to Assess the Possible Elevation of KNUST Hospital to a Teaching Hospital, 2015-2016
* Member, Panel to Assess the promotion of Principal Pharmacists to Deputy

Directors at the Okomfo Anokye Teaching Hospital, Kumasi

* Chairman, Public Lectures Committee, KNUST, Kumasi, 2012-2016
* Vice-Dean, Faculty of Pharmacy and Pharmaceutical Sciences, 2012-14
* Head, Department of Pharmacology, College of Health Sciences, 2006-2008; 2010-2012
* Chairman, KNUST Procurement Committee 2009-2013
* Member, KNUST Hospital Management Board, 2007-2014
* Member, Governing Board of the Ghana Pharmacy Council, 2014-2017
* Member, Governing Board of Pharmaceutical Society of Ghana (2014-2017)
* Council Member & NCTE Representative, Agogo Presbyterian College of Education, Agogo, 2010-2017
* Executive Member, St Louis Senior Secondary School, 2010-2015
* Chairperson, Scientific Committee of the Pharmaceutical Society of Ghana, 2009-2014
* Council member, Centre for Plant Medicine Research, Mampong Akwapim, 2014-2017
* Chairman, Research Committee, Centre for Plant Medicine Research, Mampong Akwapim 2014-2016
* Member, Strategic Planning Development committee of the Pharmaceutical Society of Ghana 2015-2017
* External Examiner in Pharmacology and Toxicology, Department of Medical Laboratory Technology, University of Cape Coast, 2011-2013
* External Examiner in Pharmacology and Toxicology, School of Veterinary Medicine, University of Ghana, 2011- 2017
* Chairperson, Education and Training Committee, Pharmacy Council, Ghana, 2014-2017
* Member, Food and Drug Board’s Technical Advisory Committee (TAC) on Clinical Trials, 2008-2016
* Lecturer, Coordinated Applied Sciences programme (CAPS) of the Ghana College of Physicians for training Specialist Physicians, 2007-2012
* Resource Person, continuing Education for Practicing Pharmacists, 2006-2016
* Chairman, Pharmaceutical society of Ghana Scientific subcommittee, 20062016
* Foundation Fellow/ Resource Person, Ghana College of Pharmacists (2012date)
* Examiner, Ghana professional Qualifying Examination for Pharmacists 2014date
* Toxicology Expert, Technical advisory Committee of the FDA on clinical trials (2007-2015)
* Member, Serious Adverse Event (SAE) Review committee of the Food and Drugs Board, 2007-2015
* Vice-President, West Africa Society Pharmacology 2013-Date
* Reviewer, Journal of Science and Technology, Ghana Journal of Science, Journal of Ethnopharmacology, Journal of Toxicology and Environmental Health Sciences, International Journal of Pharmacology
* Fellow/Resource Person, Lecturer, West African Postgraduate College of Pharmacists, 2006-date
* West African Health Organization (WAHO)Expert on Traditional and Herbal Medicine. 2011 to date
* Consultant Toxicologist, West African Herbal Pharmacopoeia, 2011-date
* Consultant & Advisor, Local Organizing Committee for the 2016 West Africa Pharmacology Society conference

# Research or Projects Undertaken previously

My research has focused on both *in vitro* and *in vivo models*:

 Evaluation and assessment of the efficacy and potential toxicity/ safety of medicinal plants used traditionally for the treatment of diseases of common occurrence in Ghana and the West African region. Research undertaken over the period (2011-2016) include:

1. Protective effects of *Terminalia ivorensis* on renal and hepatic damage
2. Safety assessment on locally used medicinal plants
3. Effects of *Cryptolepis sangunolents* and cryptolepine on reproduction in rodents
4. Protective effects of *Spathodea campanulata* on acetaminophen and carbon tetrachloride induced liver damage in rodents
5. Effects of *Picralima nitida* seed extracts on reproductive and developmental toxicity in rodents
6. Effects of *Carica papaya* leaf extract on fertility and hepatic damamge in rodents
7. Anti-inflammatory and antipyretic actions of selected locally used medicinal plants
8. Evaluation of potential of the potential of combination therapy of cryptolepine and the artemisinins in the management uncomplicated malaria

# Current Research Activities

1. The potential of Cryptolepis as a wound healing agent.

2. Effect of Ivermectin on hepatic damage induced by carbon tetrachloride.

3. Pharmacotherapy of infertility in Ghana.

4. Safety of anglo-sedatives used at the intensive care unit (ICU) of KATH.

5. Hepato-protective and reno-protective activity of *Brillantasia nitens* in murine mode

6. Potential benefits of cryptolepis in Covid-19 patients

**Selected conferences and workshops Attended**

1. Between 2014-2016, I attended several local and international conferences as the Dean on behalf of the Faculty of Pharmacy and Pharmaceutical Sciences, KNUST including the International Federation of Pharmacists Annual Conference in 2015 and 2016.
2. As a Pro Vice-Chancellor, I represented the Vice Chancellor at high profile local and international conferences and workshops n USA, Malaysia, United Kingdom, India, Morocco and Germany between 2016 and 2018.
3. European Congress of Tropical Medicine and International Health, Basel, 6-10 September 2015. Poster entitled ‘*In vitro metabolic profile of the antimalarial compound cryptolepine in human and rat.*

1. 38th West Africa Society of Pharmacology Annual Conference, 18-22 October, 2015, University of Ile Ife, Osun State, Nigeria.

1. 36th West Africa Society of Pharmacology Annual Conference, 12-16 August, 2011, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

1. The 10th Commonwealth Pharmacists Association Scientific Conference, 3-7 August, 2009. National Theatre, Accra, Ghana*.* Presented a poster entitled ‘*Herbal Medicines: are they absolutely safe? The case of Cryptolepis sanguinolenta on reproduction in mice’.*

1. 21ST Annual General Meeting Scientific Symposium of the West African

Postgraduate College of Pharmacists, March 2009, Ghana College of Physicians and Surgeons, Accra, Ghana.

1. Curriculum Review/Development Workshop for Heads of Department, April 2008, KCCR Seminar Room, KNUST

1. West Africa Regional Technical Resource Centre for Pharmaceutical Management (W/RTRC) Workshop organized by MSH in collaboration with USAID, March 2008, La Palm Beach Hotel, Accra.

1. International Workshop on online scholarly Publishing,-Strengthening Publishing in Africa, Assessing the potential of online systems. 24-25 November, 2006, KNUST Kumasi, Ghana.

1. 2006, Western Africa Network of Natural Product Research Scientists (WANPRESS), Second Scientific Meeting, August 1-5, 2006, Elmina, Ghana.

1. 2003 British Toxicology Annual Congress, Heriot Watt University, Edinburgh. Presented a poster entiltled ‘*Cryptolepine the anti-malarial alkaloid induces G1arrest and cytotoxicity in human hepatoma HepG2 cells’*

1. 2003 94th Annual Meeting of the American Assoc. of Cancer Research, Washington Convention Centre, USA. Presented a poster entitled ‘*The plant alkaloid cryptolepine induces G1-arrest and apoptotic cell death in human lymphoblastoid MCL-5 cells’.*

1. 2003 Workshop on proposal writing and South Kensington Campus, Imperial College London.

1. Workshop on Science and Integrity, 2003, South Kensington Campus, Imperial College; London.

1. British Toxicology Special meeting on Herbal Medicines, 2003, *Herbal medicine: Worts & All*, London

1. Annual Congress of the British Toxicology Society, 2002 university of Keele,

England. Presented a poster entitled *‘The aqueous extract of C. sanguinolenta, a West African herbal medicine, is cytotoxic*.’

1. European Toxicology Society Congress, EUROTOX 2002, Granada, Spain. Presented a poster entitled *‘The potential anti-cancer treatment, extract of C. sanguinolenta is potently cytotoxic yet poorly genotoxic*.’

1. 2000 European Toxicology Society Congress, 2000 (EUROTOX 2000), Imperial College, South Kensington, London

**Research Links**

1. Metabolism and Pharmacokinetic Unit, Novartis Institute of Biomedical Research, Novatis Pharma, AG, Basel, Switzerland

1. Research collaboration with the Molecular Toxicology Unit, Division of Biomedical Sciences, Imperial College London.

1. Research links with the Centre for Scientific Research into Plant Medicine,

Mampong-Akwapim, Ghana

1. Animal Research Institute (CSIR) on a project-Herbal Medicine in Livestock Development. My role is to assess the products for toxicity.

1. Strong research links with the Molecular Medicine Department of the College of Health Sciences, KNUST.

# PUBLICATIONS

1. Donkor, A.F., Mensah, K.B., Ameyaw, E.O., Antwi, A.O., Kusi-Boadum, K.N., **Ansah, C.** **(2020).** Antiplasmodial and Antipyretic Activity and Safety Evaluation of the Methanolic Leaf Extract of *Murraya exotica* (L.) *Journal of Parasitology Research*, Vol. 2020, Article ID 1308541, 8 pages, https://doi.org/10.1155/2020/1308541
2. Owusu, G., Obiri, D.D., Ainooson, G.K., Osafo, N., Antwi, A.O., Duduyemi, B.M., **Ansah., C. (2020).** Acetic Acid-Induced Ulcerative Colitis in Sprague Dawley Rats Is Suppressed by Hydroethanolic Extract of *Cordia vignei* Leaves through Reduced Serum Levels of TNF-αand IL-6. *International Journal of Chronic Diseases*. Vol. 2020, Article ID 8785497, 11 pages. https://doi.org/10.1155/2020/8785497
3. Adinortey, M.B., **Ansah, C.**, Aboagye, B., Sarfo, J.K., Martey, O., Nyarko, A.K **(2020)** Flavonoid-Rich Extract of *Dissotis rotundifolia* Whole Plant Protects against Ethanol-Induced Gastric Mucosal. *Biochemistry Research International*, Vol. 2020, Article ID 7656127, 9 pages https://doi.org/10.1155/2020/7656127

1. Mensah, K.B., Benneh, C., Forkuo, A.D., **Ansah, C.,** **(2019)** Cryptolepine, the Main Alkaloid of the Antimalarial Cryptolepis sanguinolenta(Lindl.) Schlechter, Induces Malformations in Zebrafish Embryos. *Biochemistry Research International* Vol. 2019, Article ID 7076986, 7 pages <https://doi.org/10.1155/2019/7076986>
2. Arhin, S.M., Mensah, K.B., Agbeno, E., Badii, V.S., **Ansah, C.,** **(2019).** Pharmacotherapy of infertility in Ghana: Retrospective Study at the Cape Coast Teaching Hospital. Journal of Pharmaceutical Policy and Practice (2019) 12: (28) 1-10 <https://doi.org/10.1186/s40545-019-0191-0>
3. Adinortey, M.B**.**, **Ansah, C.,**  Adinortey, C.A., Bockarie, A.S., Morna, M.T., Damian H. Amewowor, D.H(**2018).** Isolation of *Helicobacter pylori* from Gastric Biopsy of Dyspeptic Patients in Ghana and *In Vitro* Preliminary Assessment of the Effect of *Dissotis rotundifolia* Extract on Its Growth. *Journal of Tropical Medicine*. Vol. 2018, Article ID 8071081, 6 pages. https://doi.org/10.1155/2018/8071081
4. ADINORTEY MB, **ANSAH C,** WEREMFO A, ADINORTEY CA, ADUKPO GE,

AMEYAW EO, NYARKO AK. **(2018)** DNA Damage Protecting Activity and Antioxidant Potential of *Launaea taraxacifolia* Leaves Extract. *Journal of Natural Science, Biology and Medicine* 9:6-13.

1. ADINORTEY MB, **ANSAH C,** ADINORTEY CA, MCGIBONEY J, NYARKO A.

**(2018)**. *In vitro* H+/K+-ATPase Inhibition, Antiradical Effects of a Flavonoid-rich Fraction of *Dissotis rotundifolia*, and *In silico* PASS Prediction of its Isolated Compounds. *Journal of Natural Science, Biology and Medicine* 9:47-53.

1. Forkuo A.D, **Ansah C**, Pearson D, Gertsch W, Cirello A, Amaral A, Spear J, Wright CW, Rynn C. (2017). Identification of cryptolepine metabolites in rat and human hepatocytes and metabolism and pharmacokinetics of cryptolepine in Sprague Dawley rats. BMC Pharmacology and Toxicology 18:84

1. Forkuo A.D, Ansah C, Mensah K.B, Annan K, Gyan B, Theron A, Mancama D and Wright CW. (2017) In vitro anti‑malarial interaction and gametocytocidal activity of cryptolepine. Malar J. 16:496

Forkuo A.D, **Ansah C,** Mensah K.B, Boampong J.N, Ameyaw E.O, Gyan B.A, Arku A.T, Ofori M.F. Synergistic anti-malarial action of cryptolepine and artemisinins. Mal J. 2016 15:89 DOI: 10.1186/s12936-016-1137-5

1. KUTSIENU, L.E., **ANSAH, C.**, ADINORTEY, M.B. (2017) Toxicological evaluation and protective effect of the ethanolic extract of *Launaea taraxacifolia*on gentamicin-induced renal damage. *Asian Pacific Journal of Tropical Biomedicine* 7

(7): 640-646

1. **ANSAH, C.,** ADINORTEY, M.B., ASIEDU-LARBI, J., ABOAGYE, B.,ASANTE, D., NYARKO, A.K. (2016) *In vivo* assessment of the toxic potential of *Dissotis rotundifolia* whole plant extract in Sprague-Dawley Rats. *Asian Pacific Journal of Tropical Biomedicine* 6(7): 930-935

1. **ANSAH, C.,** MOOMIN, A., MENSAH, K , B. (2016). *Terminalia ivorensis* A. Chev. ethanolic stem bark extract protects against Gentamicin-induced Renal and

Hepatic damage in Rats. *Journal of Applied Pharmaceutical Science* 6(4): 175-182

1. MENSAH, K.B., **ANSAH, C.** (2016) Irrational Antibiotic use and the risk of diabetes in Ghana. *Ghana Medical Journal* 50(2): 107-114

1. FORKUO, A.D., **ANSAH, C.,** MENSAH, K.B., BOAMPONG, J.N., AMEYAW, E.O., GYAN, B.A., ANDREA TWUMWAA ARKU, A,T., OFORI, M.F. (2016) . Synergistic antimalarial action of cryptolepine with the artemisinins. *Malarial Journal* 15: 89

1. **ANSAH, C**., APPIAH, J.A., MENSAH, K.B., MANTE, P.K. (2016). Aqueous leaf extract of *Carica papaya* (Caricaceae) Linn. causes liver injury and reduced fertility in rats. *International Journal Pharmacy and Pharmaceutical Sciences* 8(2): 261-265

1. OTOO, L.F., KOFFUOR, G.A., **ANSAH, C.,** MENSAH, K.B., BENNEH, C., BEN,

I.O. (2015). Effect of an ethanolic seed extract of *Picralima nitida* ([Stapf] Th. and H. Duarand) on reproductive abilities and developmental indices in rodents for use. *Journal of Experimental and Integrative Medicine,* 5(4): 293-301

1. OTOO, L.F., KOFFUOR, G.A., **ANSAH, C.,** MENSAH, K.B., BENNEH, C., BEN, I.O. (2015) Assessment of an ethanolic seed extract of *Picralima nitida* ([Stapf] Th.

and H. Duarand) on reproductive hormones and its safety for use. *Journal of Intercultural Ethnopharmacology,* 4(4): 293-301

1. MENSAH, K. B., **ANSAH, C.** (2014). The Antimalarial Herbal *Cryptolepis sanguinolenta* (Lindl.) Schltr is antiandrogenic. *International Journal of Toxicology and Applied Pharmacology,* 4(1): 6-11
2. **ANSAH, C**., DADZEASAH, E.P., ASIAMAH, E. (2013). Aqueous Extract of *Spathodea campanulata* (P. Beauv) Modulates Carbon tetrachloride Induced Hepatic Damage in Rats.*American Journal of Pharmacology and Toxicology* **8(1**): 39-50

1. **ANSAH, C**., MENSAH, K.B (2012). Aqueous Root extract of the Anti-malarial Herbal *Cryptolepis sanguinolenta* (Lindl) Schltr Inhibits ovulation in Rabbits. *British Journal of Pharmacology and Toxicology,*  **3(5)**: 240-244

1. DADZEASAH, E. P., **ANSAH, C.** (2013). *Spathodea campanulata* Attenuates

Acetaminophen-Induced Hepatic Injury in Mice. *International Journal of*

*Pharmaceutical Sciences and Drug Research,* 5(4): 158 – 164

1. ADINORTEY, M. B; **ANSAH, C**., GALYUON, I., NYARKO, A. (2013). *In vivo* Models Used for the Evaluation of Potential Antigastroduodenal Ulcer Agents. *Ulcers,* 2013: 1-12

1. **ANSAH, C**., MENSAH, K.B. (2013). A review of the Anticancer Potential of the Antimalarial Herbal *Cryptolepis sanguinolenta* and its Major Alkaloid cryptolepine. *Ghana Medical Journal,* 47(3): 137-147.
2. MENSAH, K.B., **ANSAH, C**. (2013). Aqueous Root Extract of the Antimalarial Herbal Cryptolepis sanguinolenta (Lindl.) Schltr Delays the Development of Physical Landmarks and Sensorimotor Systems in Mice. *International Journal of Pharmaceutical sciences and Research* **4(4):** 1000 – 1006.

1. DADZEASAH, P.A., **ANSAH, C**., ASIAMAH, E.A. (2012). Safety Evaluation of an Aqueous Stem Bark Exract of *Spathodea campanulata.* *The Global Journal of Pharmaceutical Sciences,* **1(5):** 1076 – 1090.

1. AINOOSON, G.K., OWUSU, G., WOODE, E., **ANSAH, C**., ANNAN, K. (2012). *Trichilia monadelpha* bark extracts inhibit carrageenan-induced foot-oedema in the

7-day old chick and the oedema associated with adjuvant-induced arthritis in rats. *African Journal of Traditional, Complementary and Alternative Medicine.* **9(1):** 816.

1. **ANSAH, C**., OPPONG, E., WOODE, E., (2011). Subacute Oral Toxicity

Assessment of Alchornea cordifolia (Schumach and Thonn) Müll Arg

(Euphorbiaceae) Extract in Rats. *Tropical Journal of Pharmaceutical Research.* **10(5):** 587- 694

1. DANQUAH, C.A., WOODE, E., BOAKYE-GYASI, E., DUWIEJUA, M. AND **ANSAH, C**. (2011). Anti-inflammatory and antipyretic effects of an ethanolic extract of *Capparis erythrocarpos* isert roots. *Research Journal of Medicinal Plants.* **5(2)**: 158-168.

1. WOODE, E., BOAKYE-GYASI, E., AMIDU, N., **ANSAH C**. AND DUWIEJUA, M. (2010). Anxiolytic and Antidepressant Effects of a Leaf Extract of *Palisota hirsuta* K. Schum. (Commelinaceae) in Mice. *International Journal of Pharmacology* 6(1): 1-17

1. **ANSAH, C**., MENSAH, K.B., WOODE, E., DUWIEJUA, M. (2010). Reproductive and Developmental Toxicity of *Cryptolepis sanguinolenta* in mice. *Research Journal of Pharmacology* **4 (1)**: 9-14*.*

1. **ANSAH, C**., GOODERHAM, N.J. (2009). Cryptolepine Provokes Changes in the

Expression of Cell Cycle Proteins in Growing Cells. *American Journal of Pharmacology and Toxicol*ogy **4(4)**: 177-185

1. **ANSAH, C**., OTSYINA, H.R., DUWIEJUA, M., WOODE, E., ABOAGYE, F.A., ANING, K.G. (2009). Toxicological Assessment of Cryptolepis sanguinolenta for possible use in Veterinary Medicine. *Journal of Veterinary Medicine and Animal Health.*  **1(1)**: 011-016.

1. **ANSAH, C**., OPPONG, E., WOODE, E., DUWIEJUA, M. (2009).Toxicity Studies on *Achornea cordifolia* leaf extract in mice.  *Journal of Science and Technology*. **29(1)**: 8-16.

1. WOODE, E., AMOATENG, P., **ANSAH, C**., DUWIEJUA, M. (2009). Anti-

nociceptive Effects of an Ethanolic Extract of the Whole Plant of Synedrella nodiflora (L.) Gaertn in Mice: Involvement of Adenosinergic Mechanisms. *Journal of Pharmacology and Toxicology.* **4(1)**: 17-29)

1. GYAPONG, R.N.K., DUWIEJUA, M., BIO, F.Y., WOODE, E., **ANSAH, C**.,

OWUSU-DAAKU, F.T., BUABENG, K.O. (2009). Characterization and Treatment

of Severe Malaria in Hospitalized Children at a Ghanaian District Hospital. *The Open Tropical Medicine Journal.* **2**: 39-44.

1. WOODE, E., AMIDU, N., OWIREDU, W.K.B.A., BOAKYE-GYASI, E., **ANSAH, C.,** DUWIEJUA, M. (2009). Antidepressant-like Effects of an Ethanolic extract of *Sphenocentrum jollyanum* Pierre Roots in Mice. *International Journal of Pharmacology.* **5 (1)**: 22-29

1. WOODE, E**.**, BOAKYE-GYASI, E.,AINOOSON, G.K., **ANSAH, C.**, DUWIEJUA, M. (2009). Antinociceptive Effects and Mechanism of *Palisota hirsuta* K. Schum Leaf Extract in Murine Models. *International Journal of Pharmacology.* **5(2)**, 101-113.

1. BOAKYE-GYASI, E., WOODE, E., AINOOSON, G.K., OBIRI, D.D., **ANSAH, C.,** DUWIEJUA, M., DONKOH, A. (2008). Anti-inflammatory and antipyretic effects of an ethanolic extract of *Palisota hirsuta* K. Schum roots. *African Journal of Pharmacy and Pharmacology.* **2(9):** 191-199.

1. BAYOR, M.T., **ANSAH, C**., DUWIEJUA, M., ABAITEY, A.K. (2008). Alchornea cordifolia (Eurphobiaceae), the major constituent of antiasthmatic herbal formulations in Ghana, Stimulates β-adrenoceptors. *Journal of the Ghana Science Association* **10(2):** 1-11.

1. OTSYINA, H.R., **ANSAH, C**., DUWIEJUA, M., WOODE, E., ABOAGYE, F.A., ANING, K.G. (2008). Acute and subacute toxicity studies of the aqueous extract of the leaves of *Momordica charantia* (Linn) for animal use in Ghana. *Journal of the Ghana Science Association***10 (1):** 59-78.

1. WOODE, E., AINOOSON, G.K., BOAKYE-GYASI, E., **ANSAH, C**., OBIRI, D.D., KOFFOUR, G.A., MENSAH, A.Y., DUWIEJUA, M. (2008). Anti-arthritic and antioxidant properties of the ethanolic stem bark extract of *Newbouldia laevis* (P. Beauv.) Seaman ex Bureau (Bignoniaceae). *Journal of Medicinal Plant Research* **2(8)**: 180-188.

1. **ANSAH, C.**, MFOAFO, E.A.A., WOODE, E., DUWIEJUA, M. (2008). Anxiogenic Effects of an Aqueous Crude Extract of *Cryptolepis* *sanguinolenta* (Periplocaceae) in Mice. *International Journal of Pharmacology.* **4(1):** 20-26.

1. **ANSAH, C**., ZHU, H., GOODERHAM, N.J. (2008). The Mechanism of Cryptolepine-induced Cell Death. *Journal of Pharmacology and Toxicology.* **3(4)**: 291-301.

1. **ANSAH, C**., MFOAFO, E.A., WOODE, E., OPOKU-OKRAH, C., OWIREDU,

W.K.B.A., DUWIEJUA, M. (2008). Toxicological Evaluation of the Anti-Malarial

Herb Cryptolepis sanguinolenta in Rodents. *Journal of Pharmacology & Toxicology.* **3(5)**: 335-343.

1. WOODE, E., AMISSAH, F**.**,DUWIEJUA, M., **ANSAH, C.**, FLEISCHER, T.C.,

SAWER, I.K (2008). Effects of *Tetrapleura tetraptera* (Taub.) fruit extract on Some Isolated Tissues: Possible Mechanism(s) of Antihypertensive Action*. Journal of Science and Technology* **28(1)**: 23-34

1. WOODE, E., **ANSAH, C.**, AINOOSON, G.K., ABOTSI, W.M.K., MENSAH, A.Y., DUWIEJUA, M. (2007). Anti-inflammatory and Antioxidant Properties of the root extract of *Carissa edulis* (Forsk.) Vahl (Apocynaceae). *Journal of Science and Technology.* **27(3)**: 5-15.

1. DUWIEJUA, M., PANYIN, A.B., WEREMFO, A., WOODE, E., **ANSAH, C**.

(2007). Antinociceptive activity of the ethanolic extract of the root bark of *Cassia sieberiana* (Fam. Caesalpinaceae). *Journal of Pharmacy and Bioresources*. **4 (1)**:1-

10.

1. WOODE, E., OBIRI, D.D., **ANSAH C**., DUWIEJUA, M., KUFFUOR, G.A (2006). Total alkaloidal extract of *Picralima nitida* (Fam. Apocynaceae) seeds has antiinflammatory actions. *Journal of the Ghana Science Association****.* 8 (1):** 70-78

1. NSIAH, K., TERLABI, E.O., WOODE, E., OBIRI, D.D., **ANSAH, C**.,

DUWIEJUA, M. (2006).Toxicological assessment of *Parquetina nigrescens* in rats. *Journal of* *Science and Technology,* **26 (3)**: 24-31

1. ZHU, H., SMITH, C., **ANSAH, C**., GOODERHAM, N.J (2005). Responses of genes involved in cell cycle control to diverse DNA damaging chemicals in human lung adenocarcinoma A549 cells. *Cancer cell International*, **5 (28)**: 1-13

1. **ANSAH, C** & GOODERHAM, N.J. (2005). Reactive oxygen species is associated with cryptolepine cytotoxicity. *Journal of* *Science & Technology*, **25 (1)**: 1-10

1. **ANSAH, C**., KHAN, A., GOODERHAM, N.J (2005). *In vitro* genotoxicity of the West African anti-malarial herbal *Cryptolepis sanguinolenta* and its major alkaloid cryptolepine. *Toxicology* **208 (1)**:141-147.

1. **ANSAH, C** & GOODERHAM N.J. (2002). The popular herbal anti-malarial extract of *Cryptolepis sanguinolenta*, is potently cytotoxic. *Toxicological Sciences*. **70 (2)**: 245-251*.*

1. DONKOR, F.A., **ANSAH, C**., RYNN, C., PEARSON, D., GERTSCH, W., (2015) *In vitro* metabolic profile of the antimalarial compound cryptolepine in human and rat. *European Journal of Tropical Medicine and International health* 20: S1

1. **ANSAH, C.,** MENSAH, K.B., WOODE, E. (2009). Herbal Medicines: are they absolutely safe? The case of *Cryptolepis sanguinolenta* on reproduction in mice. *Proceedings of the 10th Commonwealth Pharmacists Association Scientific Conference, 3-7 August, 2009. National Theatre, Accra, Ghana.*

1. AMOFA, G., BART-PLANGE, C., ALLOTEY, K.N., SEBAYA, A., DODOO, A.

N. O., APPIAH- DANQUAH, A., GYANSAH-LUTTERODT, M., DUWIEJUA,

M., **ANSAH, C.**, DE SEVENE, E., ANDREWS, E., ANTWI, F., AFARI, E., OFORI-ADJEI, D. (2006). Pharmacovigilance of Antimalarials in Ghana-A primer for Health Care Professionals, First Edition, February 2006.

1. DUWIEJUA, M., **ANSAH, C**. (2006). Medical Aid: The role and limitations of the Pharmacist, Continuing education training for Pharmacists (2006)

1. OHENE**-**ASABERE, **ANSAH, C**., WOODE, E., DODOO, A. N. O., DUWIEJUA, M. (2008). The attitudes of Final Year Pharmacy, Nursing and Social Science students in Kwame Nkrumah University of Science and Technology, Kumasi to Patients with HIV/AIDS. In: *Proceedings of the National HIV/AIDS Research Conference (NHARCON), 3-5 March 2008, Accra, Ghana*

1. WOODE, E., DUWIEJUA, M., **ANSAH, C.**, KOFFUOR, G. A., OBIRI, D. D., AINOOSON, G K., NKUNU, M. AND BOAKYE-GYASI, E. (2006) Anti-

inflammatory activity of *Palisota hirsuta* roots in carrageenan-induced oedema in chicks. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Accra, Elmina, 1st-4th August, 2006, p 26

1. WOODE, E**.**, DUWIEJUA, M, **ANSAH, C**., KOFFUOR, G A., OBIRI, D. D., ARNISSAH, F. A. AND AINOOSON, G K. (2006). Anti-inflammatory and analgesic effects of *Newbouldia laevis* stem bark extract. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres),* Accra, Elmina, 1st-4th August, 2006, p 26.

1. DUWIEJUA, M., **ANSAH C**., WOODE E**.**, OBIRI, D. D., ANTO, B. P AND

KOFFOUR, G A. (2006). Concurrent administration of *Picralima nitida* extract with nonsteroidal anti-inflammatory agents offers no additional analgesic and antiinflammatory benefits. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Accra, Elmina, 1st-4th August, 2006, p 30

1. DUWIEJUA, M., WOODE, E., **ANSAH, C**., OBIRI, D. D., ANTO, B. P., KOFFOUR, G. A (2006). Effect of *Picralima nitida* seed extracts on bradykinininduced hyperalgesia. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Accra, Ghana,1-4 August, 2006, p 31

1. WOODE, E**.,** DUWIEJUA, M., **ANSAH, C.***,* KOFFUOR, G A, OBIRI, D. D., AMIDU, N. (2006). Effect of *Sphenocentrum jollyanurn* in experimental mouse models of anxiety. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Accra, Elmina, 1st-4th August, 2006, p 32

1. WOODE, E., DUWIEJUA, M., **ANSAH, C.**, KOFFUOR, G.A., OBIRI, D. D., AND POKU, R. A. (2006). Anxiolytic effect of *Ficus exasperata* leaf extract in mice. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Accra, Elmina,1st-4th August, 2006, p 32

1. WOODE, E**.**, ABAITEY, A. K., DUWIEJUA, M., **ANSAH, C**., OBIRI, D. D., KOFFUOR, G A., FLEISCHER, T. C., SAWER, I. K., AMISSAH, F. (2006). Effect of alcoholic extract of *Tetrapleura tetraptera* (Taub) fruits on some smooth muscles. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Elmina, Ghana, 1st-4th August, 2006, p 36

1. WOODE, E., DUWIEJUA, M., **ANSAH, C.**, KOFFUOR, G. A., OBIRI, D. D.,

MENSAH, A. *Y.* AND AINOOSON, G. K. (2006). Antioxidant properties of *Newbouldia Iaevis* stem bark extract. *Proceedings of the 2nd Scientific Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Elmina, Ghana, 1st-4th August, 2006, p 40

1. KOFFUOR, G A., WOODE, E., OBIRI, D. D., **ANSAH, C**., DUWIEJUA, M.,

AMEDZRO, G, BAAH-FRIMPONG, S., ASARE-ADJEBENG, L., AMOATENG

P. AND ANDEY T. A. (2006). The immunostimulatory and erythropoietic effects of an aqueous extract of the fruits of *Solanum torvum. Proceedings of the 2nd Scientific*

*Meeting Western Africa Network of Natural Products Research Scientists (Wannpres).,* Accra, Elmina, 1st-4th August, 2006, p 43

1. **ANSAH C**; GOODERHAM N. J. (2004) Cryptolepine induces G1 arrest and cytotoxicity in human hepatoma HepG2 cells. *Toxicology*. 194: 229-230

1. **ANSAH C**; GOODERHAM N. J. (2004) The cell cycle effects of the cytotoxic antimalarial alkaloid cryptolepine is p53-dependent. *Toxicology*. 202: 67-67

1. **ANSAH, C**., GOODERHAM, N.J (2004). The cell cycle effects of the cytotoxic alkaloid cryptolepine is p53-dependent. *Proceedings of the 25th Anniversary/ Annual Congress of the British Toxicology Society, Heriot Watt University, Edinburgh, UK, March 2004*

1. **ANSAH, C** & GOODERHAM, N.J (2003). Cryptolepine, the anti-malarial alkaloid induces G1-arrest and cytotocity in human hepatoma HepG2 cells. *Proceedings of the British Toxicology Society Annual Congress, Heriot Watt University, Edinburgh, UK, March 2003*

1. **ANSAH, C** & GOODERHAM, N.J (2003). The plant alkaloid cryptolepine induces G1-arrest and apoptotic cell death in human lymphoblastoid MCL-5 cells independent of metabolic activation. *Proceedings of the 94th Annual meeting of the American Association of Cancer Research, Washington Convention Centre, Washington D.C, USA*, **Abstract No. 5531,** July, 2003

1. **ANSAH, C** & GOODERHAM, N.J (2002). The potential anti-cancer treatment, extract of *Cryptolepis sanguinolenta* is potently cytotoxic yet poorly genotoxic. *Oncologia* **4**: suppl. 1, 157.

1. **ANSAH, C** & GOODERHAM, N.J (2001). The aqueous extract of *Cryptolepis sanguinolenta*, a West African herbal medicine, is cytotoxic. *Toxicology* **168**: 126127