**CURRICULUM VITAE – ADOSRAKU R. K. (ASSOC. PROF.)– 2011**

Date of Birth: 16th January 1954

Married to Eyram Adosraku with two children, Elorm and Fafa

Presbyter at Global Evangelical Church, Ayigya, Kumasi

Address: Department of Pharmaceutical Chemistry, KNUST, Kumasi, Ghana

EDUCATION:

Academic Degrees

1980 B.Pharm. (Kumasi)

1984 M.Phil. (Kumasi)

1994 Ph.D (London)

Institutions Attended

1976-80: KNUST, Kumasi Ghana

1982-84: KNUST, Kumasi, Ghana

1990-94: University of London School of Pharmacy, London, UK

UNIVERSITY TEACHING AND RESEARCH

Academic Ranks

1984 – Lecturer

1996 – Senior Lecturer

2010 – Associate Professsor

Teaching

Organic Chemistry, Principles of Drug Action, Drug Metabolism and Biotransformation, Synthesis of Medicinals, Drug Analysis, Spectroscopy, High Performance Liquid Chromatography, Supervision of Undergraduate and Graduate Projects

Research

1. Lipid profiling *of Leishmania* parasites using hplc and nmr spectroscopy.
2. Human body fluid and parasite lipid studies by proton nmr and hplc.
3. Chromatographic estimation of reserpine in *Rauwolfia vormitoria*.
4. 5-Hydroxytryptophan – development of isolation method, characterization, estimation and other studies from the seeds of *Griffonia simplicifolia*.
5. Bioequivalence assessment of locally formulated drug products in Ghana.

PUBLICATIONS

1. Proton nmr lipid profile of *Leishmania donovani* promastigotes, Molecular and Biochemical Parasitology, 1993, **62**, 251-262.
2. Proton nmr analysis of human erythrocyte lipids, Journal of Lipid Research, 1994, **35**, 1925-1931.
3. Proton magnetic resonance lipid profiling of intact platelet membranes, Annals of Clinical Biochemistry, 1995, **32**, 392-398.
4. *Tetrahymena thermophila*: Analysis of phospholipids and phosphonolipids by high-field 1-H nmr, Biochimica et Biophysica Acta, 1996, **1299**, 167-174.
5. An hplc method for the direct assay of the serotonin precursor, 5-hydroxytryptophan, in the seeds of *Griffonia simplicifolia*, Phytochemical Analysis, 2002, **13**, 333-337.
6. Evaluation of the antioxidant and free radical scavenging properties of *Secamone afzelii* Rhoem, Phytotherapy Research, 2004, **18**, 1031-1032.
7. Design of an hplc method for quantification of amount of reserpine in *Rauwolfia vormitoria*, Proceedings of 1st Scientific Meeting of West Africa Network of Natural Products Research Scientists (WANNPRES), August 2004, 41-42.
8. Bioavailability assessment of some locally manufactured chloroquine phosphate tablets, The Ghana Pharmaceutical Journal, 2006, 71-76.
9. Post-harvest stability of 5-hydroxytryptophan in *Griffonia simplicifolia* seeds, International Journal of Pure and Applied Chemistry, 2006, **1(1)**, 129-131.
10. Determining the bioequivalence of paracetamol products with urinary excretion data, West African Journal of Pharmacy, 2007, **20(1**), 14-22.
11. Characterisation and Hplc quantification of Xylopic Acid in the dried fruits of *Xylopia aethiopica*, International Journal of Pure and Applied Chemistry, 2011, **6(2)**

SERVICE:

1. Head, Department of Pharmaceutical Chemistry, Faculty of Pharmacy (2000-2001, 2002-2003, 2005-2007, 2009-2011)
2. Served on KNUST Boards ie Faculty of Science Board, Institute of Technical Education, Faculty of Pharmacy, College of Heath Sciences Board
3. Member of Committee that assessed application for accreditation of Pharmacy School for a. Central University and b. University of Ghana Medical School.
4. External Examiner in the Department of Pharmaceutical Chemistry, University of Sierra Leone, Freetown, Sierra Leone.
5. Member of West African Health Organization (WAHO) Expert Committee evaluating Drug Quality Control Laboratories in West African countries (2010 – 2011).

OTHER PROFESSIONAL EXPERIENCE

1. Analytical consultant to Pharmaceutical companies ie Kumasi Drug House Production Ltd, Amponsah Efah Pharmaceuticals Ltd, Kumasi.
2. Phytoanalytical consultant to BioResources International, USA/Ghana
3. Hplc training consultant, Ghana Standards Board, Animal Research Institute, Accra.
4. Member, Pharmaceutical Society of Ghana.