

DR. APOLLO ODHIAMBO MAIMA

Associate Professor of Pharmacy

School of Pharmacy,
Maseno University, Kisumu-Busia Road,
P.O. Box 333-40105,
MASENO, KENYA.

Phone: +254-722753156

Email: amaima@maseno.ac.ke ;
apollomaima@gmail.com

EDUCATION

- DIES/CREST Online Course for Doctoral Supervisors at African Universities of Stellenbosch University, Republic of South Africa (2018-2019)
- Post-Doctoral Fellowship in Implementation Research (University of California Berkeley, 2018)
- PhD in Community Health and Development (Great Lakes University of Kisumu, 2016)
- Master of Pharmacy in Pharmaceutical Analysis and Chemistry (University of Nairobi, 2006)
- Bachelor of Pharmacy (University of Nairobi, 1989)

RESEARCH EXPERIENCE

- Editor of the Pharmaceutical Journal of Kenya (2012 to date)
- Local and International conferences attended – 19
- Conference presentations (local & international) – 14
- Peer reviewed publications – 17
- Books co-authored – 3
- Masters students supervised – 7
- PhD students supervised – 2
- PhD theses read and reviewed – 2
- Research Grants won – 7
- Conference & Travel Grants won – 5
- Infrastructure Development Grants won - 2

TEACHING EXPERIENCE

- Postgraduate students supervised – 9 (7 Masters & 2 PhD).
- Currently Associate Professor of Pharmacy at Maseno University (Jan., 2020 to date).
- Assistant Professor (Senior Lecturer) of Pharmacy & Program Leader of Pharmacy at USIU-

Africa (2014 – 2019).

- Assistant Professor of Pharmacy at USIU-Africa (2010-2019).
- Chief Pharmacist (and Lecturer) at the University of Nairobi (1993 – 2010).
- Development of the Bachelor of Technology in Analytical Chemistry curriculum for United States International University - Africa, 2017-2019.
- Development of the Bachelor of Science in Epidemiology & Biostatistics curriculum for United States International University - Africa, 2015 to 2016.
- Development and writing of a Technical Proposal (to USAID) for financing the purchase of equipment for laboratories for the USIU Pharmacy Training program. This was a US \$ 1,975,000 budget program.
- Development of the Bachelor of Pharmacy curriculum for United States International University - Africa, 2010 to 2013.
- Development of the curriculum for Chinese Traditional Herbal Medicine undergraduate degree for Kenyatta University, 2009.
- Development of the Bachelor of Pharmacy curriculum for Kenyatta University, 2008.

HONORS AND AWARDS

- Editor-in-Chief, Pharmaceutical Journal of Kenya
- Fellow, East Africa Social Science Translation Collaborative (EASST)
- Member, Experts /Specialization Committee of the Pharmacy & Poisons Board of Kenya
- Past Member, Training & Assessment Technical Committee of PPB (2012-2019)
- Represented the Kenyan Academia at the first International Pharmaceutical Federation (FIP) Global Conference on Pharmacy and Pharmaceutical Sciences Education held on 7-9 November 2016 in Nanjing, People's Republic of China
- Member, Ministerial Committee (Ministry of Medical Services) that prepared the Kenya National Pharmaceutical Policy (KNPP) in 2010
- **Grants Won**
 - i. **Donor:** The East Africa Social Science Translation, EASST (2019)
 - a. **Amount:** USD 5,000
 - b. **Catalyst Grant** to conduct trainings on Impact Evaluation in Kisumu and USIU-Africa
 - ii. **Donor:** Center for Effective Global Action, CEGA (2018)
 - a. **Amount:** USD 20,540
 - b. **Grant for Visiting Fellowship**, University of California, Berkeley
 - iii. **Donor:** Internal Research Grant by USIU-A (2018)
 - a. **Amount:** KSh. 994,640.00
 - b. **Research Title:** Studies of phytochemicals gold nanoparticles ointments/creams for
 - c. Management of *Sarcoptes scabiei* and associated bacterial infections as **Co-PI**.

FULL CV AOMAIMA

- iv. **Donor:** Seeding Labs of Boston, USA (2018/19)
 - a. **Amount:** USD 110,000
 - b. Grant for Instrumental Access, as **PI**
- v. **Donor:** Internal Research Grant by USIU-A (2017)
 - a. **Amount:** KSh. 1,000,000.00
 - b. **Research Title:** Fabrication of Polyamic Acid nano-filter Cartridges for Water Purification
 - c. to Control Waterborne Diseases in Kenya as **Co-PI**.
- vi. **Donor:** Internal Research Grant by USIU-A (2017)
 - a. **Amount:** KSh. 1,000,000.00
 - b. **Research Title:** Chronic Exposure to *Cartha edulis* F (Miraa aka Khat) extract on testicular functions as **Co-PI**.
- vii. **Donor:** International Pharmaceutical Federation, FIP (2016)
 - a. **Amount:** USD 5,000.00
 - b. **Conference and Travel** Grant for presentation on Pharmacy and Pharmaceutical Sciences
 - c. Education in Kenya as **Presenter**
- viii. **Donor:** Internal Research Grant by USIU-A (2016)
 - a. **Amount:** KSh. 400,000.00
 - b. **Research Title:** Screening for Antimicrobial and Anthelmintic Activities of selected
 - c. Kenyan Medicinal Plants as **PI**.
- ix. **Donor:** Internal Research Grant by USIU-A (2016)
 - a. **Amount:** KSh. 400,000.00
 - b. **Research Title:** Isolation and Screening of Potential Bioplastics Producing Halophiles from
 - c. Kenyan Soda Lake Bogoria as **Co-PI**.

PROFESSIONAL MEMBERSHIP

- Member, American Society of Tropical Medicine and Hygiene (ASTMH)
- Registered Pharmacist in Kenya
- Good Standing Member, Pharmaceutical Society of Kenya
- Member, International Pharmaceutical Federation (FIP)

SKILLS AND TRAINING

- Registered Pharmacist in Kenya
- Pharmaceutical Analyst
- Public Health Specialist & Epidemiologist
- Implementation Research Scientist
- Trained Doctoral Supervisor

LEADERSHIP EXPERIENCE

Dean, School of Pharmacy at Maseno University (14 Sept., 2020 to date)

Dean, School of Pharmacy at USIU-Africa (2014 – 2017).

Assistant Professor of Pharmacy & **Program Leader** of Pharmacy at USIU-Africa (2014 – 2019).

Chief Pharmacist (and Lecturer) at the University of Nairobi (1993 – 2010).

Chairman: University Health Services Strategic Planning Committee, 2008-2013 Strategic Plan, University of Nairobi

Chairman: University Health Services Performance Contracting Implementation & Evaluation Committee, 2007-2010

Chairman: Evaluation Committee; University Health Management Information System (UHSMIS) for Records, Operations and Internal Controls Systems, 2009

Chairman: Committee for the Re-Engineering of the University Health Management Information System, University of Nairobi, 2009-2010

Secretary: Drugs and Therapeutics Committee, University of Nairobi 1993 – 2010

Member: The John Hopkins University AIDS Service, U.S.A.

Member: University of Nairobi Health Management Board, a Sub Committee of the University Management Board (1999-2003).

Member: University of Nairobi Health Services Management Committee 1993 – 2010

Member: Technical Committee, Kenya Standard Specification of Cigarettes, Kenya Bureau of Standards, 1998-2003.

Member: University Health Services Task Force, University of Nairobi.

Member (Co-opted): University of Nairobi Tender Committee (1993-2010)

Management Courses attended:

- Certificate of attendance of Workshop for Induction program on MWONGOZO (The Code of Governance for State Corporations) by State Corporation Advisory Committee (SCAC) in Mombasa (1st – 3rd February 2016).
- Workshop on Strategic Planning for Academic Affairs Division, at USIU-A (25th April 2016).
- Workshop on Strategic Planning for a State Corporation, by National Quality Control Laboratories (NQCL) in Mombasa (4th – 5th February 2016).
- Certificate for: Workshop on Security and Counterterrorism Awareness, on 24th August 2015 at USIU-A, Nairobi.
- Certificate in: “Resource Tracking, Planning, Resource Allocation and Costing”, of the University of Nairobi in Collaboration with USAID and Health Systems 20/20 Project (October 2010);
- Health Economics and Management/Evaluation workshop - University of Cape Town (Aug. 2010);

- Certificate in: “Health Economics and Health Systems Strengthening” - the University of Nairobi in Collaboration with USAID and Health Systems 20/20 Project (July 2010);
- Certificate in: “Quality Management for Healthcare Professionals” – National Hospital Insurance Fund in collaboration with University of Nairobi (2009);
- Certificate in: “Good Manufacturing Practice” - World Health Organization (2004);
- Certificate of the International Standards Organization ISO 9000 Certification (2007), Kenya Bureau of Standards
- Certificate in: “The Comprehensive Paediatric HIV Management” course (NASCOP and A.C.T.S. Program) - May 2006.
- Certificate in: “WHO/TDR-Workshop on Good Laboratory Practice” course (WHO/TDR and UON, Faculty of Pharmacy) - April 2004
- Information Technology: Trained in Sage Financial Controller (Windows), Advanced QuickBooks, Lotus 1-2-3 Release 5.0, WordPerfect 6.1 for Windows, MS-DOS and Windows, all in 1996.
- Forensic Pharmacy, Ministry of Health (1989).

CONFERENCE AND WORKSHOP PRESENTATIONS

1. **“Contemporary environmental and health-related factors influencing human growth and development”** presented at the 2018 Pharmaceutical Society of Kenya Annual Scientific Conference, May 30 - June 3, in Mombasa, Kenya.
2. Were L.L. Munyendo & **Apollo O. Maima**. Concomitant Voids in Community Health Systems; Deterrence to Application of Progressive Cervical Cancer Screening Technologies in Rural Africa. University of Rwanda International Scientific Conference. Kigali Rwanda June 14th-16th 2017
3. **“Health-Related Quality of Life of Nairobi Adults Treated for Pneumonia”**, presented at the 2017 Pharmaceutical Society of Kenya Annual Scientific Conference, May 30 - June 4, in Mombasa, Kenya.
4. **“Prevalence and Yearly Trends of Adult Pneumonia in Nairobi”**, presented at the 2016 Pharmaceutical Society of Kenya Annual Scientific Conference, June 1 - June 5, in Mombasa, Kenya.
5. Poster Presentation Titled: **“Trends in facility caseloads of adult pneumonia in Nairobi”**, Presented at the **International Pharmaceutical Federation (FIP) Congress 2015**, September 29 – October 3, in Dusseldorf, Germany.
6. **“Data collection for disease burden studies using smartphones”**, presented at the 2015 Pharmaceutical Society of Kenya Annual Scientific Conference, May 28 - June 1, in Mombasa, Kenya.
7. Poster Presentation Titled: **“Antimicrobial properties of some medicinal Plants of the Luo community of Kenya”**, presented at the **International Pharmaceutical Federation (FIP) Congress 2014**, August 30 - September 4, in Bangkok, Thailand.
8. **“Does Biopharming hold the Future for the African Pharmacist?”** presented at the 2014 Pharmaceutical Society of Kenya Annual Scientific Conference, May 29 - June 1, in Mombasa.

9. “**Quixotic Access to Quality Medicines in Rural and remote areas of Kenya**” presented at the 2013 Pharmaceutical Society of Kenya Annual Scientific Conference held in Mombasa
10. “**Microbial resistance and threats: the state of the Kenyan Pharmaceutical Sector**”, presented on the 1st day of June, 2012 at the Pharmaceutical Society of Kenya Annual Scientific Conference held in Mombasa.
11. “**Antimicrobial properties of some medicinal Plants of the Luo community of Kenya**”, Presented at the 2nd Kenya Medical Research Institute (KEMRI) Annual Scientific and Health (KASH) Conference, February 8-10, 2012, KEMRI Headquarters, Nairobi, Kenya.
12. “**Health Economics: The Role of the Pharmacist in Kenya**” presented on the 4th day of June, 2011 at the Pharmaceutical Society of Kenya Annual Scientific Conference held in Mombasa.
13. “**Kenya’s Indigenous Plants: The Golden Herbage**” presented at the United States International University on the 9th day of March, 2010
14. “**Theory of Health Costing**” presented at the Strathmore University Business School on the 26th day of February, 2010

PUBLICATIONS

1. **Maima, Apollo O.** & Munyendo, Were L. L. (Jan. 2019). Antimicrobial Assay of aqueous extracts of selected Ethno-pharmacologic alternatives used by the Maasai community of Narok, Kenya. *European Journal of Medicinal Plants*, 26(3): 1-11, 2018. DOI: 10.9734/EJMP/2018/46227
2. **Maima, A. O.**, Were L. L. M. (2018). Contemporary advances and precincts of Biopharming as drugs’ production systems. *Journal of Natural Sciences Research*. Vol. 8 (4). www.iiste.org
3. Mwangi, W. W., Karimi, P., **Maima, A.**, Githinji, C., Fatumad, Abdallah (2016). Factors influencing the Management of Non-Hodgkin’s Lymphoma in children at Kenyatta National Hospital. *The Pharmaceutical Journal of Kenya*. Vol. 23 (1), 2016.
4. **Maima, A.O.** (June 2016). “Pharmacoeconomic Study of the impact of Adult Pneumonia on households living in Nairobi”. **A PhD Thesis**, Great Lakes University, Kisumu
5. **Maima, A.O.**, Okalebo, F.A., Kaseje, D.O. (2015). Data collection for disease burden studies using smartphones. *The Pharmaceutical Journal of Kenya*. Vol. 23 (1), 2015.
6. Nassali, H., Karimi, P., Nyamu, D., Guantai, E.M., **Maima, A.O.**, Kajungu, D., Kirui, J. (2015). Evaluation of Prescribing Practices in Kenyatta National Hospital. *The Pharmaceutical Journal of Kenya*. Vol. 23 (1), 2015.
7. Rugendo, A.B., Karimi, P.N., Amugune, B.K., **Maima, A.O.** (2015). Impact of Medication Related Problems on Individualized Dispensing at Kenyatta National Hospital. *The Pharmaceutical Journal of Kenya*. Vol. 22 (3), 2015
8. **Maima, A.O.**, Thoithi, G.N., Ndwigah, S.N., Kamau, F.N., Kibwage, I.O. (2014). Antimicrobial properties of some medicinal plants of the Luo community of Kenya. *African Journal of Pharmacology and Therapeutics* Vol. 3 No. 4 Pages 112-115, 2014. Open Access to full text available at <http://journals.uonbi.ac.ke/ajpt>

9. **Maima, A.O.** (2014). Does plant Biopharming hold the Future for the African Pharmacist? *The Pharmaceutical Journal of Kenya. Vol. 22 (1), 2014.*
10. Muniafu, M.M., Kipkore, K.W., **Maima, A.O.**, Kwena, M.O., Kahindi, J.H.P. (2014). Survey of Medicinal Plants used by the Giriama of Kilifi County, Kenya. *The Pharmaceutical Journal of Kenya. Vol. 21 (4), 2014.*
11. **Maima, A.O.** (2013). Barriers to Accessing Quality Pharmaceutical Services in Rural and Remote areas of Kenya. *The Pharmaceutical Journal of Kenya. Vol. 21 (3), 2013. 18-19*
12. **Maima, A.O.** (2012). The role preparedness of the Kenyan Pharmacist in Health Economics. *The Pharmaceutical Journal of Kenya. Vol. 21 (1), 2012. 14-17*
13. **Maima, A.O.**, Thoithi, G.N., Ndwigah, S.N., Kamau, F.N., Kibwage, I.O. (2008). Phytosterols from the stem bark of *Combretum fragrans* F. Hoffm. *East Cent. Afr. J. Pharm. Sci. Vol. 11(2), 2008, 52-54*
14. **Maima, A.O.** (2006). Antimicrobial screening and phytochemistry of the following plants: *Lannea stuhlmanii*, *Carissa edulis*, *Combretum fragrans*, *Conyza sumatrensis*, *Ormocarpum trichocarpum*, *Sida cuneifolia*, *Plumbago zeylanica*, and *Rhoicissus revoilii*, a Masters' Thesis. University of Nairobi
15. **Maima, A.O.**, Kodhek, A., Sadia, C.W. (2001). Rational and Cost Effective Prescribing in Kenya; Report of a Retrospective Case Study at the University of Nairobi Health Services for 1999. University of Nairobi
16. National Training Core Curriculum: Syllabus, Rules and Regulations for Diploma in Pharmaceutical Technology (2014). Pharmacy and Poisons Board, Nairobi.
17. National Core Curriculum for Bachelor of Pharmacy (B.Pharm.) Programme (2014). Pharmacy and Poisons Board, Nairobi.