

NDAI ASINAMAI MEDUGU

a.ndai@ufl.edu, Gainesville, FL [linkedin.com/in/asinamai-ndai/](https://www.linkedin.com/in/asinamai-ndai/)

EDUCATION

University of Florida	Gainesville, FL
Doctor of Philosophy (PhD) in Pharmaceutical Sciences with concentration in Pharmaceutical Outcomes and Policy	Aug 2025
University of Notre Dame	Notre Dame, IN
Master of Global Affairs with concentration in Sustainable Development	May 2021
University of Maiduguri	Maiduguri, Nigeria
Master of Health Planning and Management	Jul 2017
Bachelor of Pharmacy	Oct 2012

PROFESSIONAL EXPERIENCE

<i>Chemonics International</i>	<i>Borno and Yobe States, Nigeria</i>
Field Logistics Advisor – USAID Global Health Supply Chain Program	Aug 2018 – Aug 2019
<ul style="list-style-type: none">Coordinated the planning, budgeting, implementation and reporting of project activities in the States.Monitored the third-party logistics making deliveries of donor-funded commodities to 651 supported health facilities in Borno and Yobe States.Ensured donor-procured health commodities “stock on-hand” within the 651 health facilities continuously fell within the min/max range established for each product.Supported the 2 States’ Logistics Management and Coordinating Units in data collection at the state level.	
<i>FHI 360/Howard University PACE Center</i>	<i>Borno, Nigeria</i>
State Pharmacy Specialist – USAID - Strengthening Integrated Delivery of HIV/AIDS Services Project	Nov 2014 – Jul 2018
<ul style="list-style-type: none">Provided state-level technical leadership and technical support related to clinical management and home-based care HIV/AIDS strategies and approaches related to implementation of programs in 51 health facilities with more than 15,000 people living with HIV.Coordinated continuous camp management engagement to encourage the seamless implementation of policy directives. From its inception in October 2015 to December 2017, the ART mobile team screened 26,862 persons, of which 851 were diagnosed as positives.Provided state-level technical leadership on strategic information, surveillance for drug therapy problems, monitoring of project activities and evaluations of effectiveness of interventions.Strengthened pharmacovigilance through establishing and training Drug and Therapeutic Committees in 15 secondary and tertiary health facilities.Coordinated the assessment of 51 supported health facilities using USAID Site Improvement through Monitoring System (SIMS) and provided technical assistance to develop remediation plan for the gaps identified.Provided state-level technical leadership on operational research and dissemination of findings and policies through didactic trainings and onsite mentoring.	
Associate Pharmacy Officer – USAID – Strengthening Integrated Delivery of HIV/AIDS Services Project	Dec 2013 – Oct 2014
<ul style="list-style-type: none">Provided technical support in strengthening pharmacy systems and pharmacists’ capacity on pharmacy best practices and quality pharmaceutical care in the area of PMTCT, ART, Nutrition, TB care and reproductive health including inventory management within all supported facilities.Promoted the integration of pharmacy services to ensure sustainable systems.	

RESEARCH EXPERIENCE

Global Project Partnership, University of Notre Dame

Notre Dame, IN

Partner Organization: Program in Global Surgery and Social Change at Harvard Medical School.

Jan 2020 – Dec 2020

- Year-long, team-based graduate consultancy improving surgical care in Vanuatu, Tonga, Fiji and Cooks Island.
- Interviewed relevant stakeholders and collected data related to surgical care infrastructure, human resources, finance, and health information system. The data was analyzed and synthesized to aid the governments in drafting a National Surgical, Obstetric, and Anesthesia Plan (NSOAP). Additionally, we supported the WHO Western Pacific Regional Office in elaborating a Regional Action Framework for Safe and Affordable Surgery to be used by all countries in the region.
- Acquired Institutional Review Board (IRB) approval for research involving human subjects in the four countries.
- Developed and tested assessment tools: surveys, focus groups, participatory activities, interviews, self-documentation photography, key informant interviews.
- Designed diverse communications and issue advocacy products including the draft of the National Surgical, Obstetric, and Anesthesia Plan, promotional presentations, informational flyer, and dissemination strategy.

University of Maiduguri: Department of Pharmacology and Toxicology

Nov 2012 – Aug 2019

Advisor: Dr. Isa Marte Hussaini

Research Project: Scientific Validation of Local Herbs use in the Therapy of Epilepsy and Cancer

- Conducted ethnobotanical surveys to identify local herbs used in cancer and epilepsy therapy.
- Used animal models to screen local herbs for anticonvulsant activity.
- Used human cell line to screen local herbs for anti-cancer activity.
- Conducted phytochemical and toxicological studies of local herbs.
- Conducted mechanistic studies to understand the mechanism of action of local herbs used in cancer and epilepsy

PEER-REVIEWED PUBLICATIONS

- **Medugu, A. N.**, Yakubu, J., Medugu, U. N., Marte, H. I., Tata, F. Y., & Balami, V. M. (2020). Phytochemical and Anti-epileptic Studies of Ethanol Extract of *Boswellia dalzielii* (Frankincense Tree) Stem Bark. *European Journal of Medicinal Plants*, 94-100. <https://doi.org/10.9734/ejmp/2020/v31i830262>
- **Medugu, A. N.**, Yakubu, J., Marte, H. I., & Yerima, T. S. (2020). Anti-epileptic potentials of the partitioned fractions of *Chamaecrista mimosoides*. *International Journal of Pharmacology and Toxicology*, 8(1), 89-95 <http://dx.doi.org/10.14419/ijpt.v8i1.30785>
- Yakubu, J., Mamza, U.T., Balami, V. M., **Medugu, A. N.**, Abdulrahman, F. I., Sodipo, O. A. (2020). Antidiabetic effects of partitioned methanol extract of *Boswellia dalzielii* (Frankincense tree) on rats. *J Phytopharmacol*, 9(4), 224-229. http://www.phytopharmajournal.com/Vol9_Issue4_02.pdf
- **Medugu, A. N.**, Yakubu, J., Balami, V. M., Medugu, U. N., Tata, F. Y., Marte, H. I., & Yerima, T. S. (2020). Anti-Epileptic Studies of *Chamaecrista mimosoides* Ethanol Extract. *Trop J Nat Prod Res*. 4(5), 203-209. <https://doi.org/10.26538/tjnpr/v4i5.4>

VOLUNTEER EXPERIENCE

St. Joseph County Department of Health

South Bend, IN

COVID-19 Vaccination Site Volunteer

Jan 2021 – Jul 2021

- Monitor and observe vaccinated clients during the observation period.
- Effectively use electronic record system to schedule clients for the next appointment.
- Record and report any observed adverse events using the FDA Adverse Event Reporting System (FAERS).

COVID-19 Response Volunteer

May 2020 – Aug 2020

- Supported the logistics management of personal protective equipment (PPE) and analyzed consumption trends.
- Forecasted and costed the PPE need of St. Joseph County to inform emergency preparedness.
- Developed database of all facilities requiring PPEs in St. Joseph County including addresses, name and contact of focal persons.

PROFESSIONAL CERTIFICATES

- Policy Analysis using Interrupted Time Series, University of British Columbia, CA Aug 2021
- Supply Chain Design, Massachusetts Institute of Technology, USA Jun 2019
- Supply Chain Fundamentals, Massachusetts Institute of Technology, USA Apl 2019
- Supply Chain Analytics, Massachusetts Institute of Technology, USA Dec 2018
- Health in Humanitarian Crises, London School of Hygiene & Tropical Medicine, UK Mar 2017
- Clinical Management of HIV, University of Washington, USA Mar 2017
- Fundamentals of Implementation Science, University of Washington, USA Dec 2016
- Introduction to Disaster Risk Management, World Bank Group Feb 2016
- Economic Evaluation in Global Health, University of Washington, USA Aug 2015
- *Leadership and Management in Health*, University of Washington, USA Mar 2015

AWARDS AND HONORS

- Riberas Orjales Family Fellowship Aug 2020
- Donald & Marilyn Keough Fellowship Aug 2019
- Mckenna Center for Human Development and Global Business Fellowship Sep 2019
- Pharmacists Council of Nigeria Award for Best Graduating Pharmacy Student Nov 2012
- Dean's Award for Best Graduating Pharmacy Student Apr 2016
- J. D. Amin Award for Best Graduating Pharmacy Student Apr 2016

TECHNICAL SKILLS

Computer Skills: Excel Spreadsheets, SAS, R, PowerPoint, DHIS