

## **CURRICULUM VITAE**

### **I. PERSONAL DATA**

a) Name	:	Adikwu, Michael Umale
b) Title	:	Professor
c) Sex	:	Male
d) Age	:	60 Years
e) Date and Place of Birth	:	April 19, 1963; Olanyega-Edumoga
f) Marital Status	:	Married
g) State of Origin	:	Benue
h) Local Government Area	:	Okpokwu
i) Nationality	:	Nigerian
j) Language Spoken	:	English, French, German
k) Religion	:	Christianity
l) Denomination	:	Catholic

**Permanent Home Address** : RCM Primary School  
Ijege-Amejo, Edumoga  
Via Otukpo  
Benue State, Nigeria

**II. Contact Address** : Department of Pharmaceutics  
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### **III. QUALIFICATIONS WITH DATES**

a) First School Leaving Certificate	:	1975
b) General Certificate of Education	:	1981
c) Bachelor of Pharmacy (B. Pharm)	:	1986
d) Master of Pharmacy (M. Pharm)	:	1989
e) Doctor of Philosophy (Ph.D.)	:	1994
f) Postdoctoral Fellow: Germany	:	1999
g) Postdoctoral Fellow: Japan	:	2002

h) Postdoctoral Fellow: UK : 2006

#### **IV. SCHOOLS ATTENDED WITH DATES**

- a). St. Paul's Catholic School, Utonkon, Nigeria : 1970 - 1975
- b). Federal Government College, Jos, Nigeria : 1976 - 1981
- c). University of Nigeria, Nsukka, Nigeria, Nigeria : 1981 - 1986
- d). University of Nigeria, Nsukka, Nigeria, : 1986 - 1987, 1988 - 1989
- e). University of Nigeria, Nsukka, Nigeria, : 1990 - 1994
- f). Heinrich Heine University, Düsseldorf, Germany : 1999 - 2000
- h). Kyoto Pharmaceutical University, Kyoto, Japan : 2002
- i ). University of Manchester, Manchester,  
United Kingdom : 2006
- j). Harvard University Institute for Graduate Education: 2018
- k). Hebrew University, Israel: 2018

#### **V. TRAININGS**

- a). Training on German Language at Goethe Institute, Dusseldorf, Germany, July 3-August 31, 1999
- b). Pastoral Training at Peace House (Ministers Refresher and Leadership Training (MILERT) (Living Seed), Gboko, Benue State, Nigeria, 2003-2004
- c). Training on Drug Development (Modern Methods of Drug Discovery) for the Third World, Trieste June 4-10, 2006
- d). Training on Project Management (sponsored by the World Bank), Maputo, Mozambique, October 29-November 2, 2007
- e). Training on Bioinformatics and Combinatorial Chemistry, Douala, Cameroon, Organized by TWAS/ICS, December 10-14, 2007
- f). World Bank Training on Project Design and Management, Kaduna, Nigeria, 2-8 February, 2008
- g). Training at the World Bank Institute on Education for Development and Competitiveness: Challenges and Opportunities for Post-Basic Education, April 14-25, 2008, Washington, DC, USA.
- h). Training on Total Project Management, Ghana Institute for Public Administration and Management (GIMPA) 17-23, August, 2008.
- i). Training on Project Monitoring and Evaluation by Supreme Consultants, Kano, Nigeria, 1-5 September, 2008.
- j). Training at the British Council on Global Economic Crisis: Implications for Businesses in a Developing Economy, Abuja, February 5, 2009.
- k). Training at the British Council on Building Successful Organizations; Tried and Proven Business Structures, Abuja, February, 5, 2009.
- l). Training on Project Leadership and Governance, Organized by Supreme Management Consultants; Saravo Panafric Hotel, Kenya, December 7-11, 2009

- m). Training on Monitoring and Evaluation by the World Bank, 20-24 September, 2010. Kaduna, Nigeria.
- n). Training on Programme Management, Galilee International Management Institute, Galilee, Israel, March 7-22<sup>nd</sup>, 2013
- o). Training at Harvard Institute for Graduate Education (HGSE): July 15-27, 2018.
- p). Training on Innovations in Higher Education, Hebrew University, November 1-12, 2018.
- q). Training at the Workshop on Going Global and the Globalization of Tertiary Education, British Council Going Global, Kuala Lumpur Malaysia, May 1-4, 2018.
- r). Workshop on E4Impact Entrepreneurship, Università Cattolica, Milan, Italy, April 1-3, 2019.
- s). Faculty Development Workshop, Association of African Universities (AAU) Secretariat, Accra Ghana, 19-22<sup>nd</sup> March, 2019.
- t). Training at the Workshop on Knowledge Divide and the Digital World: Does International Tertiary Education Have a Role? The British Council: Berlin, 13-15 May, 2019.
- u). Internationalization Workshop in Higher Educational Institutions Association of African Universities (AAU) Secretariat, Accra, Ghana from 28<sup>th</sup> – 31<sup>st</sup> May 2019.
- v). Training at the University of the West of Scotland on Entrepreneurship, 16<sup>th</sup>-20 June, 2019
- w). Training by HPLWC on Peace Education Empowerment Training, South Korea, April 9 - May 28, 2022.

## **VI. WORKING EXPERIENCE**

- a) Pupil Pharmacist, University of Nigeria Medical Centre: 1986-1987
- b) National Youth Service Corps Pharmacist,  
Civil Service Clinic Ilorin: 1987-1988
- c) Pharmacist Grade I, State Medical Stores, Makurdi/  
General Hospital, Otukpo : 1988-1989
- d) Assistant Lecturer, University of Jos, Jos : 1989-1990
- e) Lecturer II, University of Nigeria, Nsukka : 1990-1993
- f) Senior Lecturer, University of Nigeria, Nsukka : 1993-1998
- g) Professor, University of Nigeria : 1998
- h) Coordinator, Science and Technology Education  
(STEP-B) Post-Basic Education Project : 2007- 2013
- i) Vice Chancellor, University of Abuja : 2014-2019
- j) National Institute for Security Studies, Abuja : 2019-2020

## **VII. ADMINISTRATIVE EXPERIENCE**

- a) Chairman, Faculty Research Grants Committee : 1995-1998
- b) Chairman, Strategic Planning Committee : 2003-2007
- b) Member, Faculty Week Committee : 1992-1998
- c) Member, Home Coming Committee : 1992-1998

- d) Chairman, Faculty Consultancy Services Committee : 1997-1998
- e) Chairman, Faculty Postgraduate Committee : 2002-2007
- f) Head, Department of Pharmaceutics : 1995-1998;2002-2004
- g) Member, National Project Steering Committee,  
Science & Technology Education Post-Basic (STEP-B): 2007-2013
- h) Vice Chancellor, University of Abuja : 2014-2019
- i). Chairman, Research Grant/External Collaboration Committee: 2022-Date
- j). Chairman, Faculty Consultancy Management Board : 2022-Date

## **VII. FELLOWSHIPS AND SCHOLARSHIPS WON**

- a). Associateship of the Third World Academy of Sciences Trieste, Italy 2008.
- b). Global Technological Entertainment and Development (TED) Conference Travel Fellowship, Arusha Tanzania, 2007
- c) Travel Grant for conference attendance from International Centre for Theoretical Physics (ICTP), Trieste, Italy, to attend Conference on Drug Development for the Third World, Trieste, Italy, 2006
- d). Third World Academy Associate Fellowship to Argentina (2000, Unutilized)
- e). Third World Academy of Sciences, South-South Fellowship to Cameroon (1996, Unutilized)
- f). Alexander von Humboldt Foundation Fellowship Germany: 1999-2000
- g) Matsumae International Foundation Fellowship, Japan: 2002
- h). Federal Scholarship for Best 20 Students, University of Nigeria, Nsukka : 1982-1986
- i). Federal Scholarship for Best 3 Students, Federal Government College, Jos : 1976-1981

## **VIII. RESEARCH GRANTS WON**

- a). National Institute for Research and Development Grant : 2008
- b). Short International Visit Grant from the Royal Society: 2006
- c) Third World Academy of Sciences Research Grant : 2004
- d). International Foundation for Science Grant, Sweden : 2004/2006
- e) Royal Society of Chemistry of Great Britain Grant : 2002
- f). Wellcome Nigeria Fund, Lagos : 1993
- g). Raw Materials Research and Development Council Grant: 1998
- h). University of Nigeria Research Grant : 1990/1991
- i). University of Nigeria Research Grant : 1994/1995
- j). University of Nigeria Research Grant : 1997
- k). University of Nigeria Research Grant : 1999

## IX. HONOURS WON

- a). TWAS Regional Award: Development of Scientific Educational Material : 2019
- b). Won the May and Baker Prize, for excellence in the Practice of Pharmacy : 2009
- c). Won the Nigerian Liquefied Natural Gas/Nigerian Academy of Science Prize for Science : 2006
- d). Won the Trophy for the Best Behaved Student, Federal Government College, Jos : 1980

## X. BOOK REVIEWS DONE

- a** The Living Seed, The Biography of Chief Michael Okibe Onoja, 2017
- b** Salvation is for You and Your Household by John Ogboji, 2017
- c** Growing in Christ by Reverend Father George Ehusani, 2022

## XI NOMINATIONS BY DIFFERENT EXTERNAL AND NATIONAL

### BODIES FOR HONOURS AND AWARDS

- 1). Nomination for Award by Pharmaceutical Association of Nigerian Students for Academic Excellence (3 Times)
- 2). Nomination by Marquis Who is Who in the World 1994
- 3). Nomination for American Bibliographic Institute Board of Directors 1995
- 4). Nomination by American Association for the Advancement of the Sciences for Membership 2000
- 5). Nomination by the New York Academy of Sciences for Membership
- 6). Nomination for Membership of the Royal Society of Pharmaceutical Sciences of Great Britain 2000
- 7). Nomination for Membership of the American Diabetics Association 2002  
2004
- 8). Nomination for Award for Academic Excellence, Federal Government Old Boys Association
- 9). Nomination for Award for Academic Excellence, Pharmaceutical Society of Nigeria, Enugu State Branch 2007
- 10). Nomination for Gold Award for Academic Excellence, The New Magazine, 2007

- 11). Nomination for Fellowship and Membership Awards,  
Institute of Industrial Administration of Nigeria : 2008
- 12). Nomination for Developmental Gold International  
Award for Excellence, African Age Magazine : 2008
- 13). Nomination for 21<sup>st</sup> Century Continental Legacy  
Makers Award, Our Majesty Global Publications : 2008
- 14). Nomination into the Pillar in Nigeria Education Development  
Award (PINEDA), Education Development Magazine, 2008.
- 15). Nomination by News in Africa Magazine for Excellence 2008  
Merit Award (For Community, Infrastructure,  
Human and Physical Development in Nigeria and  
Africa Sub-Region) : 2008
- 16). Nomination for Membership of American Chemical  
Society (ACS) : 2008
- 17). Nomination for Distinguished Statesmanship Award,  
Living Legends International Magazine : 2008
- 18). Nomination by American Bibliographic Institute as  
Nigerian's Man of the year : 2009
- 19). Nominated as e-tutor by ISC-UNIDO, Trieste, Italy :2009
- 20) Awarded the Pharmaceutical Society Platinum Prize  
for Young Mentors : 2009
- 21). Nomination into the Universal Achievers International Gold  
Award, Nigerian Top Leaders International Magazine : 2010
- 22). Nominated for Award of Excellence for Heading one of the most  
Successful and Transparent Agencies (STEP-B) in Nigeria in 2011 by  
African Development Magazine, 2012
- 23). Nominated for Award of Honorary Doctor Science Degree, Commonwealth University  
of Belize, 2012.
- 24). Nominated for Award for Personal Excellence in Public Performance,  
African Development Magazine, 2013
- 25). Awarded Certificate of Performance, after Completion of the Science and Technology,  
Post-Basic Project (STEP-), the World Bank, Abuja, 2013.
- 26). Certificate of Recognition, The OMICS International, USA 2015
- 27). Nominated as Patron, United Nigeria Chaplaincy, Federal Republic of Nigeria, 2015
- 28). Certificate of Entrepreneurship Skills Rating, Abuja Graduate School, 2015.
- 29). Nigerian Library Association, Certificate of Special Award, for Uncommon Support to  
the Library Profession and for Accelerated Library Development at University of Abuja,  
2015.
- 30). Advisory Board of the Nigerian Liquefied Natural Gas Limited (NLNG) Prize for  
Science 2015-20121.

- 31). Certificate of Attendance at Committee of Directors of Academic Planning of Nigerian Universities (CODAPNU) Workshop and Conference, 2016
- 32). Integrity in Leadership Award, The Guardian Newspaper, 2017
- 34). Appointment as Advisory Board Member, Youths Ambassadors for Development and Legacy Initiative, 2017.
- 35). Vice Chancellor of the Year Award, Dignity of Labour Foundation, 2017
- 36). Icon Education Award, Icon Africa Media, 2017
- 37). African Prize for Transparency, Integrity, Selfless Service and Accountability in Leadership, Lead Times Africa, Ghana, 2017.
- 38). Nigerian Heroes of Good Governance Award, Africa's Good Governance Monitoring Network, 2017.
- 39). African Distinguished Leadership Hall of Fame Certificate, West African Students' Union, 2017.
- 40). Meritorious Humanity Service Award, Network of Civil Society Group, 2017.
- 41). Platinum Leadership Award for Excellence, Northern Youth Council of Nigeria, 2017.
- 42). Academic Personality of the Year, Foundation for Economic Advancement Advocacy, 2017.
- 43). Nominated as the Ambassador of the Association of Elites Community Initiative (Corps) of Nigeria (Elites Corps), 2017.
- 44). Nominated as Outstanding Alumni of Northern Nigeria, Leadership, 2017
- 45). Grandix International, Award for Excellence and Nation Building, 2017.
- 46). Outstanding Alumni of Northern Nigeria, Leadership Award, 2017.
- 47). Arewa Media Publications Event Company, Special Recognition Award as the Best Performing Outstanding Vice Chancellor of the Year, the Most Innovative Top Nigeria Best Run University of the Year, and Golden Pillar Prestigious Peace and Security Lifetime Achievement Award, 2017.
- 48). Northern Nigerian Students Forum (GAMJI), Conferment of Platinum Leadership Excellence Title of Ubandoma Gamji, 2018.
- 49). The SoulMedia Conferment of Human Resource Development Ambassadorial Award, 2018.
- 50). Arewa Media Publications Even Company, Conferment of the Northern Achievers Magazine Distinguished Annual Excellence Recognition Award, 2018.
- 51). JHE Foundation, Conferment of the Most Prestigious Vice Chancellor 2018 Award, 2018.
- 52). Unified Nigerian Youth Forum (UNYF), Award Most Outstanding Institution of the Year, 2018.
- 53). National Association of Nigerian Students (NANS), Award for the Extraordinary Contributions to Education Development in Nigeria, 2018.
- 54). Nominated as National Patron, National Association of Nigerian Students (NANS), 2018.

- 55). Anti-Corruption and Society Sanitation Initiative (ACSSI), Award of Honour as the Best Vice Chancellor in Nigeria and Africa for the year, 2018.
- 56). The Capital Territory Law Review, Merit Award for Academic Personality of the Year, 2016-2017, 2018.
- 57). African Strides International, Pacesetters in Education for African Renaissance Leadership (PEARL) Award, 2018.
- 58). Universal Peace Federation, Nomination for International Ambassador for Peace Award, 2108.
- 59). Nominated for Fellowship, The Institute of Management Specialists, 2018.
- 60). The Nigerian Festival of Awards Magazine, Excellence in Education Advancement Award, 2018.
- 61). Nomination for Science, Technology and Innovation Achievers Award by STEP-A Project Africa (Science and Technology Entrepreneurship Promotion in Africa), November, 29, 2018.
- 62). Award for Humanitarian and Academic Services by the Forum of Pastors for Peace and Reconciliation Entitative, October 20, 2018.
- 63). Award for Administrative Excellence by University of Abuja Medical Students, 2018.
- 64). RichReach Communications Limited: Balance Magazine Excellence Awards, 2018.
- 65). Guzape-Kpebi-Kpaduma Gbagyi Carnival 2018 (KKKGC) awards for Outstanding Service to Human and Exceptional Leadership Award, 2018.
- 66). Development of Youth Initiative in Nigeria, Nomination for the Award for Excellence: 2018.
- 67). Guardian, Nominated as one the 20 Exemplary Vice Chancellors of Universities in Nigeria, 2018.
- 68). Karifest Awards for Academic Excellence and Educational Reformation, 2018.
- 69). Institute of Oil and Gas Research Award of Fellowship of the Institute for Oil and Gas and Hydrocarbon Studies, 2018.
- 70). Appointment as Patron of Kwararafa Congress, by Kwararafa Descendants Association, 2018.
- 71). Nominated for Award of Excellence, Nigerian Economics Students' Association, Abuja Chapter, 2018.
- 72). Nomination as Board of Trustees Member, Budding Classrooms, 2018.
- 73). Prestige Exclusive Award for Excellence in Nation Building, Prestige Exclusive Magazine, 2019.
- 74). Integrity Merit Award, Quarters Community, Gwagwalada, Abuja.
- 75). Certificate of Recognition as one of its great reviewers 2020 (Awarded every year since 2008). International Journal of Pharmaceutics,
- 76). Platinum Leadership Award for Icon of Integrity and Humanitarian Services, by Sir Ahmadu Bello Northern Youth Council of Nigeria (ABYCN), 2022
- 77). Award for Exemplary Godly Leadership, by the Head of Service Interdenominational Christian Fellowship, 2018.



78. Duty Bears United Nations Humanitarian Integrity Award as Eminent Nigerian Child's Right Education Ambassador, 2023

## **XII. SPECIAL CONGRATULATORY LETTER**

Special Congratulatory Letter from Dr. George Akume, the Executive Governor of Benue State of Winning the Nigerian Prize for Science, 2006.

## **XIII. TEACHING EXPERIENCE (Undergraduate and Post-Graduate Levels)**

### **a). Physical Pharmaceutics**

- i). Colloids and Interfacial Phenomenon
- ii). Storage of Drugs
- iii). Stability and Expiry Dating
- iv). Sustained Release Formulations and Microencapsulation
- v). Biopharmaceutics and Pharmacokinetics
- vi). Drug Delivery Technology
- vii). Radiopharmaceuticals
- viii). Rheology and Viscosity
- ix). Current Good Manufacturing Practice (CGMP)

### **b). Pharmaceutical Microbiology**

- i). Sterilization Practice
- ii). Microbial Variation and Genetics
- iii). Bacterial Resistance
- iv). Immunology and Serology
- c). Pharmacy Ethics/Forensic Pharmacy
  - i). Dangerous Drugs Acts, Chapter 48, 1948
  - ii). Code of Ethics for Pharmacists in Nigeria
  - iii). CGMP in the manufacture of sterile products

## **XIV. RESEARCH COMPLETED**

- a). Use of Auto-Oxidation Enhancing Enzymes in the Formulation of Creams for Hyperpigmentation (Wellcome Nigeria Fund Grant).
- b). Molecular Modelling of Charge Transfer Complexes (Alexander von Humboldt Fellowship Award, Germany).
- c). The use of tropical polysaccharides as antidiabetic agents (Matsumae Research Foundation Fellowship, Japan).
- d). Prediction intestinal permeability of drugs using artificial neural networks and molecular orbital calculations (Third World Academy of Science Grant)

- e). Modelling of some Charge Transfer Complexes (Royal Society of Great Britain)
- f). Effect of some additives on the physico-chemical properties of mucin (International Foundation for Science, Sweden).
- g). Production of Pharmaceutical Grade Starch from Three Sources (Nigerian Institute for Pharmaceutical Research and Development, Abuja, Nigeria).

#### **XV. CURRENT RESEARCH INTERESTS**

- a). Issues in Health Reforms and Social Health
- b). Extraction of Antimicrobial Agents from Lichens and other plants
- c). Bioadhesive Drug Delivery Design Using Natural Polysaccharides.
- d). Use of mucin and honey for wound healing
- e). Use of mucin as a rectal absorption enhancer.
- f). PEGylated polysaccharides in drug delivery
- g). Mucinated polysaccharides in drug delivery
- h). Gelatinated polysaccharides in drug delivery
- i). PEGylated Mucins in drug delivery
- j). PEGylated gelatin in drug delivery

#### **XVI. EDITORSHIP OF JOURNALS**

- a). Editorial Member, Health Education and Movement Journal, University of Nigeria, Nsukka.
- b). Editorial Member, Plant Products Research Journal, University of Nigeria, Nsukka.
- c). Contributing Editor, Nigerian Journal of Pharmaceutical Research and Development, Abuja.
- d). Contributing Editor, Journal of Pharmacy Practice and Continuing Education, Lagos.
- e). Technical Editor, African Journal of Pharmaceutical Research and Development, Nsukka.
- f). Managing Editor, Journal of Pharmaceutical and Allied Health Sciences, Nsukka.
- g). Review Papers for over 20 journals including Drug Development and Industrial Pharmacy (USA); Pharmaceutical Biology (Germany), Antibiotics and Chemotherapy (Germany), International Journal of Pharmaceutics, Chemotherapy, Immunopharmacology and Immunobiology, Alternative and Complementary Medicine, International Journal of Plant Products, International Journal of Plant

Physiology and Biochemistry, Research Essays, African Journal of Pharmacy and Pharmacology, Journal of Plant Products, Journal of Medicinal Plant Research, Tropical Journal of Pharmaceutical Research, Journal of Agricultural Biotechnology and Sustainable Development, Journal of General and Molecular Virology, Chemical Oggi/Chemistry Today, ScienceDomain

International, Journal of Pharmaceutics and Drug Research, Journal of Parasitology and Vector Biology, Journal of Veterinary Medicine and Animal Health, etc. International Journal of Library and Information Science, etc.

- h). Editorial Advisory Board International Journal of Pharmaceutical Sciences
- i). Editorial Advisory Board, African Journal of Pharmaceutical Sciences and Pharmacy,
- j). International Journal of Tropical Diseases,.
- k). Editorial Board, Journal of Pharmaceutical Sciences and Insights
- l). Nano Science, Romania, etc.
- m). Editor, Journal of Ufia Affairs.

#### **XIX. POLICY PAPERS DEVELOPPED FOR THE FEDERAL GOVERNMENT**

- a). Strategy Document for Setting Up Centres of Excellence Based on National Needs (submitted to the World Bank) - 2008
- b). Increasing Access to Tertiary Education through Public-Private Arrangements (submitted to the Federal Ministry of Education) -2012
- c). Reversing the Falling Standard in Education through Postdoctoral Research Foundation (submitted to the Federal Ministry of Education) -2012
- d). Stimulating Research in the Nigerian Research Sector through Postdoctoral Research (submitted to the Federal Ministries of Education and Science and Technology)- 2016
- e). On Serving and Former Vice Chancellors
- f). A Study on Drug Use Among Students at All Levels of Education in Nigeria (A Study Proposal).

g). Low Productivity Among Academics and Civil Servants in Nigeria: The Reason for Huge Unemployment in Nigeria (A Study Proposal).

## **XX. STUDENT SUPERVISION**

- a). Undergraduates - 80
- b). Postgraduates - 40
- c). Technicians - 24

## **XXI. Achievement of Some of My Past Postgraduate Students**

1. Prof. C. O. Esimone; Alexander von Humboldt Fellow, Bochum, Germany /Fulbright Fellowship University of Pittsburgh USA; Vice Chancellor, Nnamdi Azikiwe University, Awka.
2. Prof. A. A. Attama; Alexander von Humboldt Fellow, Branschweig, Germany. Dean Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka.
3. Prof. K. C. Ofokansi, Alexander von Humboldt Fellow, Munich, Germany and Director of Research, University of Nigeria, Nsukka.
4. Dr. P. Builders, Associate Professor, National Institute for Pharmaceutical Research, Idu, Abuja.
5. Dr. K. I. Chukwu, Senior Lecturer, University of Nigeria, Nsukka, Department of Pharmaceutical Technology, University of Nigeria, Nsukka.
6. Dr. J. O. Okafor, Deputy Director/ Pharmacist, Orthopaedic Hospital, Enugu
7. Mr. David Uzuegbu, Senior Lecturer, Department of Pharmaceutical Microbiology, University of Nigeria, Nsukka
8. Professor. Ifeanyi Iroha, Alexander von Humboldt Fellow, Bochum, Germany; Head, Department of Microbiology, Senior Lecturer, Ebonyi State University, Abakiliki
9. Mr. A. C. Ezugwu, Director, Pharmacists' Council of Nigeria, Abuja.
10. Dr. Sylvester Eraga, Senior Lecturer, Department of Pharmaceutics, University of Benin, Benin.
11. Professor M. A. Momo, Matsumae Fellow, Japan; Associate Professor and Head, Department of Pharmaceutics, University of Nigeria, Nsukka
12. Dr. (Mrs.) Ngozi Udem, Deputy Director, University of Nigeria Teaching Hospital, Enugu.

13. Dr. A. A. Agboke, Senior Lecturer, Department of Pharmaceutical Microbiology, University of Uyo, Uyo, Akwa-Ibom State, Nigeria.
14. Dr. P. A. Akpa, Senior Lecturer, Department of Pharmaceutics, University of Nigeria, Nsukka
15. Professor (Mrs.) P. O. Nnamani, Alexander von Humboldt Fellow; Senior Lecturer, Department of Pharmaceutics, University of Nigeria, Nsukka.
16. Dr. E. Ebong, Senior Lecturer, Department of Pharmaceutical Microbiology, University of Uyo, Uyo, Akwa-Ibom State, Nigeria.
17. Mr. E. Eze, Lecturer 1, Department of Crop Science, University of Nigeria, Nsukka
18. Dr. C. C. Mba, Senior Lecturer, Department of Pharmaceutical Technology & Industrial Pharmacy, University of Nigeria, Nsukka.
19. Dr. E. Onuigbo, Senior Lecturer, Head, Department of Pharmaceutical Microbiology, University of Nigeria, Nsukka
20. Dr. (Mrs.) M. Ngwu, Senior Lecturer Department of Pharmaceutical Microbiology, University of Nigeria, Nsukka
21. Dr. Emmanuel Olurinsola, Senior Lecturer, University of Uyo, Uyo. (PhD, 2015).
22. Dr. Chika Ejikeugwu, Matsumae Fellow, Japan; Senior Lecturer, Department of Microbiology, Ebonyi State University, Abakaliki, Ebonyi State.

## **XXII. EXTERNAL ACTIVITIES**

- 1). External Examiner, PhD/Masters Students, Ahmadu Bello University, Zaria, 2011
- 2). Adjunct Professor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Nnamdi Azikiwe University, Awka, 2010-2015
- 3). Adjunct Professor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Ahmadu Bello University, Zaria, 2011-2015
- 4). Adjunct Professor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Delta State University, Abraka, 2013-2014.

- 5). Adjunct Professor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, University of Port Harcourt, 2013-2017
- 6). External Assessor for Reader/Professor Cadre, Faculty of Pharmaceutical Sciences, Ahmadu Bello University, Zaria, 2011
- 7). External Examiner, Undergraduates, Nnamdi Azikiwe, University, 2009
- 8). External Assessor for Reader/Professor Cadre, Faculty of Pharmaceutical Sciences, Ahmadu Bello University, Zaria, 2009
- 9). External Examiner, Master's Degree, Department of Pharmaceutics and Pharmaceutical Technology, University of Benin, Benin City, Nigeria. 2009
- 10). External Assessor for Candidates for Employment, Faculty of Pharmacy, Nnamdi Azikiwe University, Awka, 2007
- 11). Visiting Professor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Madonna University, Elele, 2007
- 12). External Assessor for Reader/Professor Cadre, Faculty of Pharmacy, Nnamdi Azikiwe University, Awka, 2007
- 13). Sabbatical Leave, Department of Pharmaceutics and Pharmaceutical Microbiology, Ahmadu Bello University, Zaria, December 1998-June 1999.
- 14). External Examiner, Department of Pharmaceutics and Pharmaceutical Technology, University of Jos, Jos, 1997/1998 Academic Session.
- 15). External Examiner, Department of Pharmaceutics and Pharmaceutical Technology, University of Benin, Benin City, Nigeria. 2005/2006 Session
- 16). External Examiner, Masters' Degree, Department of Pharmaceutics and Pharmaceutical Microbiology, Ahmadu Bello University, 2005/2006
- 17). Editor-in-Chief, the Catholic Charismatic Renewal of Nigeria, Nsukka Diocese, 2006-Date
- 18). Missions Board Member, God's Care Mission, Okpo, 1999
- 19). Part Time Lecturer, Department of Pharmaceutical Microbiology, Benue State Polytechnic, Ugbokolo, 1994-1995

- 20). Locum Pharmacist, Padbesco Pharmaceutical Company Limited, Adikpo, 1991
- 21). Locum Pharmacist, Amusa Pharmacy and Company Limited, Otukpo, 1992
- 22). Locum Pharmacist, Pharmagro Industries (Pharmaceutical Division), Makurdi, 1993.
- 23). Pharmaceutical Inspector and Regulatory Affairs Officer, Hospitals Management Board, Makurdi, 1989.
- 24). External Assessor for a Professorial Candidate, University of Benin, 2006. 25). Member, Ministerial Committee on Roadmap for the Education Sector 2007-2009.
- 25). Member, Local Organizing Committee for the Conference of the International Council of Associations for Science Education (Theme: Meeting Challenges to Sustainable Development in Africa). May 24-29, 2009
- 26). Appointment as an Advisory Board Member, International Conference of Association of Science Education (ICASE), 2017
- 27). Appointment as Visiting Professor, Department of Pharmaceutics, Faculty of Pharmacy, Bingham University, Karu, Nasarawa State, 2019-Date
- 28). Appointment as Visiting Professor, Department of Biotechnology, Faculty of Natural Sciences, Veritas University, Bwari, Abuja, 2019-2021
- 29). Director of Research and International Linkages, Veritas University, 2019-2020.
- 30). Appointment as Visiting Professor, Department of Microbiology, Faculty of Sciences, Nasarawa State University, 2019-2020.
- 31). Directing Staff on Sabbatical Leave, National Institute for Security Studies, Bwari, Abuja, 2019-2021
- 32). Visiting Professor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Nnamdi Azikiwe University, Awka, 2019-2020.
- 33). Approved PhD Supervisor, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Nnamdi Azikiwe University, Awka, 2021-Date

### **XXIII. International Appointments**

- a). Nominated as e-tutor by International Centre for High Technology, Trieste-United National Industrial Development, Vienna (ISC-UNIDO), Trieste, Italy, 2009.
- b). Nominated as Trialect (USA) Traineeship Host for Masters and PhD, 2021
- c). Nominated as United Nations Volunteer Mentor for Health, Community Development and Agriculture, 2021.
- d). Appointed as the Chief Coordinating Officer (CCO) Inter-Universities Affairs, Eureka, Grouperment D'Intert Economique, 2021.
- e). Appointed as Member, of the UniPeace African Campus Establishment Board, International University for Peace, Rome, 2021.
- f). Assessor for African Academy of Sciences' (AAS) Arise Science Grant Competition, Nairobi, Kenya, 2021

#### **XXIV. MEMBERSHIP OF LEARNED SOCIETIES**

- a). Fellow, Pharmaceutical Society of Nigeria (2012)
- b). Member, Royal Society of Chemistry (Up till 2004)
- c). Chartered Chemist of the Royal Society (Up till 2004)
- d). Member, Nigerian Association of Academic Pharmacists (1999-Date)
- e). Member, Institute of Public Analysts of Nigeria (2001-Date)
- f). Fellow, Nigerian Academy of Science, 2009
- g). Fellow, Science Teachers' Association of Nigeria, 2011
- g). Fellow, Entomological Society of Nigeria, 2015
- h). Fellow, Institute of Entrepreneurship, Nigeria, 2015
- h). Fellow, Science Association of Nigeria, 2016
- i). Fellow of the African Science Institute, 2017
- j). Fellow of the Institute of Oil and Gas Research, 2018
- k). Fellowship of the Chartered Institute of Leadership and Governance, USA. 2018
- l). Fellow, International Society of Comparative Education, Science and Technology (FISCEST), 2015

#### **XXV. Nominated as Fellow but Could Not Attend the Investiture Due to Clashes with Other Activities**

- i). Fellow of the Nigerian Academy of Pharmacy (FNAP) 2015



ii). Fellow of the Institute of Public Analysts of Nigeria (FIPAN) 2022

## **XXVI. MISCELLANEOUS**

- a). Patron, Potentials and Career Molders Association of Nigeria, 2023
- b). Member, University Committee on Students' Insurance, 2006
- c). Member, University Committee for Avian Flu in the North Central and Eastern States of Nigeria, 2006
- d). Member, Committee on 2008 NUGA Games Forum, University of Nigeria, 2006
- e). Staff Adviser, Pharmaceutical Association of Nigerian Students, 1995-1998.
- f). Coordinator, Continuing Education for Pharmacists, UNN Chapter, 1997-1998
- g). Staff Adviser, National Association of Idoma Students, University of Nigeria, Branch 2005-Date
- h). Staff Adviser, National Union of Benue State Students, 2005-2007.
- i). Internal Examiner, Postgraduate Students (Masters and PhD) in Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Botany, Pharmaceutical Technology & Industrial Pharmacy, Clinical Pharmacy (over 50).
- j). Review proposals for International Foundation for Science (Sweden), National Institute for Pharmaceutical Research and Development, Idu, Abuja, etc.
- k). Part-Time Lecturer, Pharmaceutical Microbiology, Department of Science Laboratory Technology, University of Nigeria, Nsukka (1994-2006)
- l). Part-Time Lecturer, Physiology and Pharmacology, Department of Science Laboratory Technology, University of Nigeria, Nsukka (1994-2006)
- m). Adjunct Professor, Department of Pharmaceutics, Madonna University, Elele, 2007
- n). Keynote Address Speaker at various conferences including Science Teachers Association of Nigeria (STAN, 2008), Nigerian Society of Biochemistry and Molecular Biology (2008), Nigerian Association of Pharmacists in Academia, etc.

- o). Consultant to the National Institute for Pharmaceutical and Development (NIPRD) on the Scheme of Work and Conditions of Service June 2022-October, 2022

**XXVI. As Coordinator of the Nigerian Science and Technology Education Project, I was involved in setting up Centres of Excellence in the following fields:**

- 1). Science, Technology, Engineering and Mathematics Education
- 2). Infectious and Zoonotic Diseases
- 3). Food Security Studies
- 4). Renewable Energy
- 5). Environment Protection and Preservation
- 6). Solid Minerals Research and Development
- 7). Advanced Materials and Manufacturing Technology
- 8). Software Engineering
- 9). Chemical Technology Research and Development
- 10). Multimedia Technology and Cinematography
- 11). Biotechnology and Genetic Engineering

**XXVII. HOBBIES/EXTRA CURRICULAR ACTIVITIES**

- i). Reading ii). Swimming (iii). Preaching. iv). Writing of religious books and articles

**XXVIII. COUNTRIES VISITED**

Benin, Cameroon, Ghana, Ivory Coast, Kenya, Tanzania, Mozambique, Germany, United Kingdom, Italy, United States of America, Estonia, Japan, Scotland, and South Korea, Equatorial Guinea, United Arab Emirates, Rwanda and South Africa.

**XXIX. ADDRESSES OF HOST LABORATORIES VISITED ABROAD**

- i). Professor Hans Dieter-Hoeltje, Department of Pharmaceutical Chemistry, Heinrich Heine University (University of Düsseldorf), Germany: 1999-2000
- ii). Professor Kanji Takada, Department of Drug Delivery, Kyoto Pharmaceutical University, Yamashina-ku, Kyoto, Japan: 2002
- iii). Professor Nicola Tirelli, Department of Drug Delivery, University of Manchester, England: 2006

### XXX. REFEREES

- a). Dr. Chika Ejikeugwu  
 Department of Microbiology  
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 Ebonyi State University  
 Abakaliki, Nigeria.  
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- e). Mr. Haruna Obande Daniel  
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### XXXI. LIST OF PUBLICATIONS

#### a). **Project/Theses**

- i). Adikwu, M. U. (1986). Genetic Engineering as a Source of Pharmaceuticals and the New Techniques of Drug Delivery (First Degree Project).
- ii). Adikwu, M. U. (1989). Microencapsulation of Some Anti-malarial Drugs (Master's Degree Dissertation).
- iii). Adikwu, M. U. (1994). Physico-Chemical Properties and Pharmaceutical Application of *Prosopis africana* Gum (Ph. D Thesis).

#### b). **Books and Chapters in Books**

- i). **Adikwu, M. U.** (2003). Job Choice and Challenges for the Graduate Pharmacist. Irawo Press, Makurdi, Nigeria
- ii). **Adikwu, M. U. and Okoye, E. I.** (2021). Job Choice and Challenges for the Graduate Pharmacist. Abuja: JemJoc Publishers (2<sup>nd</sup> Edition, including Disruptive Technologies)
- iii). **Adikwu, M U** et al. (2001). Basic Techniques in Pharmaceutics, El-Demak Publishers, Enugu, Nigeria.
- iv). **Adikwu, M. U.** (2006). What God Says About Politics. Praise Concept Publishers, Enugu.
- v). **Adikwu, M. U.** (2006). The Banner of His Presence. Praise Concept Publishers, Enugu.
- vi). **Adikwu, M. U.** and Attama A. (2007). Natural Products in Wound Healing; Research SignPost, Kerala, India. P. A. Akah, Ed.
- vii). **Adikwu, M. U.** (2009). The Pains and Gains of Disappointment, Abuja: Arowas Press and Publishers
- viii). **Adikwu, M. U.** (2019). A Land Flowing with Milk and Honey. Abuja University Press Limited.
- ix). **Adikwu M. U. and Esimone, C. O.** ed. (2009). Biopolymers in Drug Delivery: Recent Advances and Challenges. Bentham Publishers, Malaysia

- x). **Adikwu, M. U.** (2009). Multifarious potentials of tropical animal-derived biopolymers in drug delivery: Lessons from the African snail mucin. In *Biopolymers in Drug Delivery: Recent Advances and Challenges*, Bentham Publishers, Malaysia, pp. 27-38
- xi). Adikwu, M. U. (co-ed). (2010). *Integrating Current African Concepts and Pharmaceutical Sciences and Pharmacy in a New Word*, Pyramid Pharmaceutical Group Inc., USA. ISSN 2152-7849
- xii). **Adikwu, M. U.** (2010). Pharmaceutical Research Challenges and Barriers in Africa. In: Udeani, et al, *Integrating Current African Concepts and Pharmaceutical Sciences and Pharmacy in a New Word*, Pyramid Pharmaceutical Group Inc., USA. ISSN 2152-7849
- xiii). **Adikwu, M. U.** (2010). Pharmacy Practice Barriers and Challenges in Africa. In: Udeani, et al, *Integrating Current African Concepts and Pharmaceutical Sciences and Pharmacy in a New Word*, Pyramid Pharmaceutical Group Inc., USA. ISSN 2152-784
- xiv). **Adikwu, M. U.,** J. O. Okafor and E.C. Ibezim (2011). *Wound Healing Potentials of Honey-Mucin Combinations*, ISBN 978-3-8443-8025-5, VDM Verlagsservicegesellschaft mbH, Saarbrücken, Germany.
- xv). Okore, VC, Ibezim, E. C., **Adikwu, M. U.,** Attama, A. A. And Ofokansi, K.C. (2004). Basic dispensing procedures. In: *Pharmaceutics and Pharmaceutical Microbiology*, El Demak Publishers, Enugu, Nigeria, 2004, pp. 39-79
- xvi). Adikwu, **M. U.,** Uzuegbu, D. B. and Attama, A. A. (2008). Physiology of microorganisms. In: *Laboratory Techniques in Pharmaceutical Microbiology*; Okore, V. C. and Attama, A. A. (eds.) Jolyn Publishers, Nsukka, 1-20.
- xvii). Adikwu, M. U., Agunbiade, M. O., Abah, J. M. U. (2017). Science and Technology Education Initiatives in Nigeria: The Case of STEP-B. In: *Science Education: A Global Perspective*. Springer: 145-173
- xviii). Ejikeugwu, Chika, Esimone, C. O. and **Adikwu, M. U.** (2017). Antibioqram and Detection of ESBL and MBL in Gram-Negative Bacteria. LAP Lambert Academic Publishing, ISBN 97833303178892
- xix). **Adikwu, M. U.** (2019). *The Pains and Gains of Disappointment*. Published by Parables, USA. xxi). **Adikwu (2019).** *The Road that Leads to Jerusalem*. JemJoc Publishers, Abuja xxi). *The Double Anointing of Elisha* (2019). Published by Parables, USA.

- xxiii). **Adikwu M. U.** (2020). Editorial Adviser. *Pharmaceutics in Focus: Dosage Form Development and Manufacture*. Zaria: Ahmadu Bello University Press
- xxiv). **Adikwu M. U.** and Olorunsola, E. (2020). *Pharmaceutics in Focus: Crystal Properties*. In: *Dosage Form Development and Manufacture*. Zaria: Ahmadu Bello University Press
- xxv). **Adikwu, M. U.** (2020). *Good Manufacturing Practices*. In: *Pharmaceutics in Focus: Dosage Form Development and Manufacture*. Zaria: Ahmadu Bello University Press.
- xxvi). **Adikwu, M. U.** and Dan-Azumi, J. D. (2021). *Health care systems and emergency preparedness in Nigeria*. In: *A Political Economy of Pandemics and Consequences of COVID-19 for Nigeria*. (Suleiman, A. O., Editor). A Publication of the National Institute for Legislative and Democratic Studies, Abuja, Nigeria. Pp. 118-134.
- xxvii). **Adikwu, M. U. (2021)**. *The Christian Brotherhood*. JemJoc Publishers, Abuja.
- xxviii). **Adikwu, M. U.** (2018). *A Land Flowing with Milk and Honey*, University of Abuja Press.
- xxix). **Adikwu, M. U.** (2021). *The Fathers' Inheritance for His Children*, Hendoch Press, Kaduna
- xxx). **Adikwu, M. U.** (2021). *The Youth and Global Christianity Today*, Hendoch Press, Kaduna.

## **XXXII). Journal Articles**

1. **Adikwu, M U.**, Olorunfemi, J B and Emmanuel, T A. (1989). Out patient compliance with prescribed drugs at Kwara State Civil Service Clinic. *Nig. J. Pharm.*1 (1), 30-32

2. Chukwu, A., Agarwal, S P and **Adikwu, M U.** (1991). Some properties of chloroquine phosphate and quinine hydrochloride microcapsules. S T P Pharma. Sci. 1(2), 117-120.
3. Chukwu, A., Agarwal, S P and **Adikwu, M U.** (1991). Preliminary evaluation of dika wax as a sealant in quinine hydrochloride microcapsules. S T P Pharma Sci. 1(2), 121-124.
4. **Adikwu, M U.,** Chukwu, A. and Chiori, C O. (1991). Sealant effect of dika fat in the microcapsules of a highly water-soluble drug: chloroquine phosphate. Acta Pharm. Jugoslav. 4(1), 61-65.
5. **Adikwu, M U.** (1991). Titrimetric assay of paracetamol using dimethylsulphoxide (DMSO). Pharm. World Journal 8(3), 84-86.
6. **Adikwu, M U** and Chukwu, I K. (1991). Evaluation of fungal polysaccharide from the sclerotium of pleurotus as a disintegrant in aminophylline tablets. Pharmakeftiki 4(III), 127-130.
7. **Adikwu, M U** and Okafor, B O. (1991). Various facets of the essential drugs list and rational drug use. Pharm. World Journal 8(1): 27-30
8. **Adikwu, M U** and Osondu, B O. (1991). Four years of essential drugs list in Nigeria. Soc. Sci. Med. 33 (9), 1005-1010.
9. **Adikwu, M U.,** Udeala, O K and Ohiri, F C. (1992). Evaluation of prosopis gum in tableting I. Binding properties in granules and tablets. S T P Pharma. Sci. 2(2), 159-163.
10. **Adikwu, M U.,** Udeala, O K. and Ohiri, F C. (1992). Release behaviour from microcapsules of chloroquine phosphate treated with polymerized latex of *Landolpia dulcis*. S T P Pharma. Sci. 2(3), 167-170.
11. **Adikwu, M U.,** Udeala, O K. and Ohiri, F C. (1992). Evaluation of prosopis gum in tableting II. Disintegrant properties. S T P Pharma. Sci. 2(3), 221-226.
12. **Adikwu, M U.,** Udeala, O K. and Ohiri, F C. (1992). Swelling studies on a gum from *Prosopis africana*. Pharmakeftiki 5, 169-170.

13. **Adikwu, M U.** and Agboola, J A. (1992). Adsorptive properties of a polysaccharide from the sclerotium of *Pleurotus tuber-regium*. Pharmakeftiki 5, 75-78.
14. **Adikwu, M U.** (1992). Differences in microcapsule micromeritics of two antimalarial drugs. J. West Afr. Pharm. 5(1), 45-48.
15. **Adikwu, M U.** (1992). Abuse of brand names in era of essential drugs. Lancet 339, 623-624.
16. **Adikwu, M U.** (1992). Could the law governing the use of prescription-only medicines not be extended to traditional medicines? Tropical Doctor 22, 21.
17. **Adikwu, M U.** and Okoye, K C. (1992). Patient factors militating against the laws on prescription-only medicines in Nigeria. Nig. J. Pharm. 23(3), 78, 11.
18. **Adikwu, M U.** (1993). Evaluation of a set of parameters for the optimum microencapsulation of chloroquine phosphate. J. Univ. Sci. Tech. 13, 45-49.
19. **Adikwu, M U.** (1993). In vitro adsorption of pyridoxine hydrochloride onto the sclerotium pleurotus: A case of food-drug interaction. Acta Pharm. 43, 201-207.
20. **Adikwu, M. U.** (1993). Release of theophylline from simple coarcevates of mucuna gum. Pharmakeftiki 6, 32-35.
21. Okore, V C. and **Adikwu, M U.** (1993). Release of theophylline from a heterogenous matrix containing dika fat, a consideration of the in vitro release mechanism. Pharmakeftiki, 6, 129-132.
22. **Adikwu, M U.,** Udeala, O K. and Ohiri, F C. (1993). Effect of environmental conditions and plasticization on the swelling properties of prosopis gum. S T P Pharma. Sci. 3, 494-498.
23. **Adikwu, M U.** (1993). Release of drugs from sustained release dosage forms. J. West Afr. Pharm. 7(2), 60-65.
24. **Adikwu, M U** and Ossai, A O. (1994). Properties and tablets prepared with *Landolphia dulcis* pseudolatex as the granulating fluid. S. T. P. Pharma. Sci. 4, 190-194.



25. **Adikwu, M U.** (1994). Suspending properties of prosopis gum. S T P Pharma Sci. 139-144.
26. **Adikwu, M U.**, Udeala, O K. and Ohiri, F C. (1994). Emulsifying properties of *Prosopis africana* gum. S T P Pharma. Sci. 4, 298-302.
27. **Adikwu, M U.** and Ossai, A O. (1994). Evaluation of *Landolphia dulcis* pseudolatex as a granulating fluid for aminophylline tablets. Acta Pharm. 44, 157-162.
28. **Adikwu, M U.** (1994). Adsorption of salicylates onto the sclerotium of pleurotus: implications in food-drug interactions. J Univ. Sci. Tech. 14, 2327.
29. Onunkwo, G C. and **Adikwu, M U.** (1995). Quantitative reactions of two amino-penicillins with  $\pi$ -acceptors. J West Afr. Pharm. 9, 40-43.
30. **Adikwu, M U.** (1995). Release behaviour of latex-treated matrix tablet formulations. Pharmakeftiki, 8, 83-88.
31. **Adikwu, M U.** (1995). Gel permeation chromatography of a polysaccharide gum from *Mucuna flagillepes*. Pharmakeftiki, 8, 151-153.
32. **Adikwu, M U.** and Okide, G B. (1995). Drug recall: a necessity for quality drug distribution system. Nig. J. Pharm. 26, 28-29.
33. **Adikwu, M U.** (1996). Charge-transfer complexation of chloranilic acid with pyrimethamine. Boll. Chim. Farm. 135, 15-17.
34. **Adikwu, M U.** (1996). Sales practices of patent medicine sellers in Nigeria. Health Policy and Planning 11, 202-205.
35. Chuku, A I., Kanu, A I., Okafor, R U. and **Adikwu, M U.** (1996). Use of labelling to promote responsible self-medication. J. West Afr. Pharm. 10, 1216.
36. **Adikwu, M U.** (1997). Street begging, sexuality and tropical diseases. Afr. J. Med. Pract. 4, 25-29.
37. **Adikwu, M U.** and Esimone, C O. (1997). Emulsifying properties of Gelrite stabilized with sodium sesquicarbonate (trona). Boll. Chim. Farm. 136(1), 22-27.

38. Echegi, E C. and **Adikwu, M U.** (1997). Detection of diethylcarbamazine on thin layer plates using  $\pi$ -acceptors in 1, 4-dioxane. *Acta Pharm.* 47(2), 143-145.
39. **Adikwu, M U.** and Ofokansi, K C. (1997). Spectrophotometric determination of moclobemide by charge-transfer complexation. *J. Pharm. Biomed. Anal.* 16, 529-532.
40. Onunkwo, G C. and **Adikwu, M U.** (1997). Stability of Veegum/mucuna gum emulsions. *S T P Pharma Sci.* 7, 230-233.
41. **Adikwu, M U.** (1997). Drug release from latex-treated matrix tablet formulations. *Acta Pharm.* 47(1), 31-37.
42. **Adikwu, M U.**, Ofokansi, K C. and Ofoefule, S I. (1997). Utility of chloranilic acid in the spectrophotometric assay of promethazine hydrochloride. *Boll. Chim. Farm.* 450-453.
43. Attama, A. A., Chuku, A. I., Muko, K N. and **Adikwu, M U.** (1997). Effect of Veegum on the suspending properties of mucuna gum. *Boll. Chim. Farm.* 136(7), 239-243.
44. **Adikwu, M U.**, Onyia, C C. and Ofokansi, K C. (1997). Evaluation of the physico-chemical properties of *Gladiolus actinomorphantus* starch. *Acta Pharm.* 47(3), 197-202.
45. Njoku, O U. and **Adikwu, M. U.** (1997). Investigation on some physicochemical, anti-oxidant and toxicological properties of *Moringa oleifera* seed oil. *Acta Pharm.* 47, 287-290.
46. Ohiri, F C., Muko, K N. and **Adikwu, M U.** (1997). Microbiological studies on tablets containing high proportions of *Prosopis africana* gum. *J. Pharm. Res. Develop.* 2(2), 11-13.
47. **Adikwu, M U.**, Muko, K N and Esimone, C O (1998). Formulation of sustained release theophylline tablets using mucuna gum as a hydrophilic retardant. *J. Univ. Sci. Tech.* 18: 4-7.
48. Echegi, E C., Ezeigwe, E I. and **Adikwu, M U.** (1998). The use of  $\pi$ -acceptors in the detection of  $\alpha$ -methyldopa on thin layer plates. *Boll. Chim. Farm.* 137(2), 59-61.

49. **Adikwu, M U.**, Udeala, O K. and Ohiri, F C. (1998). Evaluation of *Prosopis africana* gum in gel-forming sustained-release tablets. J. Pharm. Res. Develop. 2(3), 36-40.
50. **Adikwu, M U.** and Ofokansi, K C. (1997). The suspending properties of *Cissus rufescence* gum in combination with Veegum. Boll. Chim. Farm. 137(4), 120-124.
51. Attama, A. A. and **Adikwu, M U.** (1998). Release and permeation properties of gels formulated with mucuna gum. Plant Prod. Res. Comm. 2, 26-32.
52. Okide, G B. and **Adikwu, M U.** (1998). A kinetic study of the auto-oxidation of arachis oil. Boll. Chimico. Farmac. 137(7), 277-280.
53. Attama, A A. and **Adikwu, M U.** (1998). Evaluation of the cellulose material from *Prosopis africana* pods as a disintegrant in sodium salicylate tablets. Boll. Chim. Farm. 137(4), 97-102.
53. **Adikwu, M U.** (1998). Prescription patterns in some Nigerian health centres: implications for rational drug use. West Afr. J. Pharm. 12(2), 4043.
55. **Adikwu, M U.** and Ofokansi, K C. (1998). Energetics of the adsorption of some drugs unto the sclerotium of *Pleurotus tuber-regium*. Boll. Chim. Farm. 137(5), 165-168.
57. **Adikwu, M U.** (1998). Analysis of diethylcarbamazine by charge transfer complexation with chloranilic. Boll. Chim. Farm. 137(5), 173-177.
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59. Ibezim, E C., Esimone, C O. and **Adikwu, M U.** (1998). The release properties of microcapsules prepared with polymerised latex of *Landolphia dulcis*. Acta Pharm. 48(2), 111-118.
60. **Adikwu, M U.**, Ofokansi, K C. and Attama, A A. (1998). Thermodynamic studies of the charge-transfer interactions of chloranilic acid with moclobemide and promethazine hydrochloride. Bio. Pharm. Bull. 21(12), 1243-1246.

61. Esimone, C O., **Adikwu, M U.** and Okonta, J C. (1998). Preliminary antimicrobial screening of the ethanolic extract from the lichen *Usnea subfloridans* (L). J. Pharm. Res. Develop. 3(2), 99-102.
62. **Adikwu, M. U.** (1998). Learning of ethics and faking of drugs in Nigeria. Afric. J. Med. Pract. 5 (6), 291-293
63. **Adikwu, M U.** and Esimone, C O. (1998). Susceptibility of tetracycline and ampicillin resistant strains of *Staphylococcus aureus* to bioactive column fractions of the lichen *Ramalina farinacea* (L.). Ach. J. Pharm. Pharmacol. 50(Supplement), 38.
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65. Esimone, C O. and **Adikwu, M U.** (1999). Antimicrobial activity and cytotoxicity of *Ramalina farinacea*. Fitoterapia, 70, 428-431.
66. Esimone, C O., **Adikwu, M U.**, Uzuegbu, D B. and Udeogaranya, O P. (1999). The effect of ethylenediamine tetracetic acid on the antimicrobial properties of benzoic acid and cetrimide. J. Pharm. Res. Develop. 4(1), 1-8.
67. Attama, A. A. and **Adikwu, M U.** (1999). The physicochemical properties of starch derived from *Tacca involucreta*. Nig. J. Nat. Prod. Med 3, 70-72.
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69. Okide, G B. and **Adikwu, M U.** (1999). The role of the academic pharmacist in oral rehydration (ORT) programmes. Nig. J. Pharm. Pract. Cont. Edu. 2(2), 19-22.
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73. Attama, A A., **Adikwu, M U** and Muko, K N (1999). Evaluation of *Prosopis africana* gum in the formulation of jellies. *J Univ. Sci. Tech.*, 19, 124-128.
74. Ezugwu C O and **Adikwu, M U** (1999). Healthcare financing via privatisation process in secondary health care institutions. *Nig J Pharm. Pract. Cont. Edu.*, 2, 6-13.
75. Attama A A., **Adikwu, M U** and Esimone C O (1999). Sedimentation studies on chalk suspensions containing blends of Veegum and detarium gum as suspending agents. *Boll. Chim. Farmac.* 138, 521-525.
76. Attama, A A and **Adikwu, M U** (1999). Effect of trona on the properties of tablets prepared with three disintegrants. *J Pharm. Res. Develop.* 4, 79-84.
77. Okide, G B., **Adikwu, M U.** and Esimone, C. O. (2000). Antimicrobial activities of some amino derivatives of 5,7-dibromo-2-methyl-8hydroxyquinoline. *Biol. Pharm. Bull.* 23(2), 257-258.
78. Njoku, O U., Eneh, F U., Ononogbu, I C and **Adikwu, M U** (2000). Compositional and toxicological studies on sheabutter. *J. Nutraceuticals, Functional & Medical Foods* 2(3), 33-38.
79. Attama, A A and **Adikwu, M U.** (2000). Dissolution of hydrophobic drugs from tablets containing trace amounts of trona as the dissolution enhancer. *J. Pharm. Res. Develop.*, 5, 61-66.
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81. Attama, A A., **Adikwu, M U** and Ezeabasili, S. I (2000). Use of goat fat/palm oil admixtures in the formulation of suppositories. *J Pharm. Res. Develop.* 5, 17-22.
82. Ojile, J E., **Adikwu, M U** and Okoli, N D (2000). Properties of films prepared from prosopis and mucuna gums. *Boll. Chim. Farmac.* 139, 190193.

83. **Adikwu, M U.**, Attama, A. A. and Esimone, C. O. (2000). Detection of halophantrine, mefloquine and proguanil by charge-transfer on thin layer plates. *Boll. Chim. Farmac.* 139, 46-48.
84. **Adikwu, M U.**, Ojile, J E and Okoli, N. D. (2000). Effect of dissolution fluid and presence of hog intestinal barrier on the dissolution of theophylline from bioadhesive granules. *Boll. Chim. Farmac.* 139: 242-246.
85. **Adikwu, M U.**, Udeala, O. K. and Ohiri, F C (2000). Physicochemical properties of a new polysaccharide gum from *Prosopis africana*. Part II. Coacervation properties with ethanol. *Discovery and Innovation*, 12, 80-84.
86. **Adikwu, M U** and Hoetjje, H.-D. (2001). Mechanistic appraisal of the charge-transfer complexes of promethazine with chloranil: a modelling approach. *Chem Pharm. Bull.* 49, 669-674.
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119. **Adikwu, M. U.** (2017). The Role of a Christian Teacher and School Administration in Resisting Examination Malpractice. Presented at a Christian Teachers' Summit, Peace House, Abuja, June 10.
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126. **Adikwu M. U. (2018).** Health, Environmental and Economic Impacts of Manmade and Naturally Released Toxicants. Presented at the Conference of Nigerian Society of Toxicology, Abuja; September 25-27.
127. **Adikwu, M. U. (2018).** Promoting ethics in higher education: the challenges and opportunities in Nigerian universities. Presented at the International Conference on Ethics; Abuja, October 18.
128. **Adikwu, M. U.** (2019). Repositioning the Nigerian Educational System for National Consciousness, Unity and Economic Development Presented as the Convocation Lecture, Madonna University, Elele, Nigeria, August 9.
129. **Adikwu, M. U.** (2019). Repositioning research and education in the Nigerian Education System. Presented at Bingham University, Karu, September, 24.
130. **Adikwu, M. U.** (2019). Applications of nanomedicine in translational research. Presented at a Conference Sponsored by Alexander von Humboldt

Foundation, Germany, at Nigerian Institute for Medical Research, Lagos, October 17<sup>th</sup> -18<sup>th</sup>.

131. **Adikwu, M. U.** Atah, J. and Maikudi, S. (2019). The Nigerian Research and Education Network (NgREN): A Case of a National Solution to Internet Connectivity. Presented at eLearning Conference, Abidjan, Ivory Coast, October 23-25.
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133. **Adikwu, M. U.** (2020). Secondary Data Collection Methods and Analysis in Research. Presented to the Executive Intelligence Management Course 13 (EIMC13) at the National Institute for Security Studies, Bwari, Abuja; March, 18.
134. **Adikwu, M. U.** (2020). Use of Technology in Maritime Security. Presented at the National Institute for Security Studies to Executive Intelligence Management Course 13 (EIMC), Bwari, Abuja; May, 15.
135. **Adikwu, M. U.** (2020). Mastering leadership. Presented to members of the Chartered Institute of Leadership and Governance (USA), August 4.
136. **Adikwu, M. U.** (2021). Global Security Challenges and Responses in a Dynamic Environment. Presented to the Executive Intelligence Management Course (EIMC13) at the National Institute for Security Studies, Bwari, Abuja, January 28.
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