CURRICULUM VITAE

Name: Momoh Audu YAKUBU
College: College of Science, Engineering and Technology
Department: Environmental and Interdisciplinary Sciences
Current Position: Tenured: Professor
Secondary Appointment: Sr Scientist & Head, Vascular Biology Unit, CCD (College Pharmacy)
Professor of Pharmaceutical Sciences
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EDUCATION:

Schools Attended: Dates:

1977-1979: School of Basic Studies, Ugbokolo, Nigeria
1979-1982: University of Ibadan, Nigeria
1988-1989: Stow College, (Now Glasgow Kelvin College) Scotland
1985-1989: University of Glasgow, Scotland

Degrees Earned Field and Dates:

July 1979: A-Level Certificate: Sciences
July 1982: Bachelor of Science (B.Sc. Honors): Pharmacology and Therapeutics
December 1989: Scottish National Certificate in Management
June 1989: Doctor of Philosophy (PhD): Materia Medica (Drug Development/Pharmacology.

Special Training Programs: Fields, Dates

1. Neuropharmacology of the Imidazoline Receptor, University of Glasgow Department of Medicine and Therapeutics, Glasgow-Scotland, with Professor John L. Reid (1989-1990).
2. Cellular and Molecular Mechanisms of *American Trypanosomiasis (Chagas Disease)* and Development of Antichagastic Agent: Parasite (*T. Cruzi*) Binding, Infectivity, and Multiplication in Rat Heart Myoblast and Effects of Polyamine Synthesis Inhibitors. Michigan State University Department of Molecular Microbiology and Genetics, Lansing-MI, with Professor Felipe Kierszenbaum (1990-1992).
3. Neonatal Physiology/Neurophysiology of Cerebral Microcirculation – Mechanisms of Hematoma-Induced Cerebral Vasospasm, Laboratory for Research in Neonatal Physiology, Brain Injury Research Center, University of Tennessee, Memphis, with Professor Charles W. Leffler (1992-1994).

Field(s) of Interest:

Teaching:

I. Environmental Sciences and Toxicology
II. Environmental Risk/Impact Assessment
III. Pharmacology, Therapeutics, and Toxicology
IV. Biology/Biochemistry/Physiology

Research:

1. Synthesis and evaluation of metal complexes with aromatic N-ligands as anticancer agents
2. Molecular consequences of exposure to complex chemical mixtures
3. Profiling and analysis of emerging contaminants in Houston area drinking water sources/ WTP.
4. Analysis of herbal/ medicinal plants and their potential in alternative medicine and therapeutic

5. Identifications of molecular targets for treatments of stroke and cerebrovascular dysfunctions
6. Integrated analysis of exposure to single and multiple pesticides
7. Environmental forensic: An integrated environmental Research
8. Profiling of gut and saliva of *trypanosomes'* infected *tsetse fly* for differentially regulated proteins, peptides, and lipids,
9. The role of gasotransmitters – NO, CO, and H_2S as neuroprotectants in stroke or traumatic brain injury

Professional Employment: Appointment, Institution, Dates.

Texas Southern University, Houston, TX

2016 Professor
2012-2016 Associate Professor, Department of Environmental & Interdisciplinary Sciences
2012- Graduate Faculty, TSU Graduate School
2010-2012 Visiting Associate Professor, Environmental Science & Technology
2008-2010 Visiting Professor, Department of Biology
2007-2012 Adjunct Graduate Faculty, TSU Graduate School
2004-2009 Adjunct Professor, Environmental Toxicology Program
2001-2013 Sr. Scientist/ Visiting Associate Professor Center for Cardiovascular Disease, COPHS
2001-2013 Head, Vascular Biology Unit, Center for Cardiovascular Diseases, COPHS

LeMonye Owen College, Memphis-TN.

1996-1998 Adjunct Professor of Biology

University of Tennessee Health Science Center, Memphis, TX

1999-2001 Faculty, Vascular Biology Program
1998-2001 Faculty, Continuing Medical Education, Division of Neonatology, Pediatrics Dept.
1996-2001 Assistant Professor, Physiology
1994-1996 Instructor, Neonatal Physiology
1992-1994 Postdoctoral Fellow, Department of Physiology

Michigan State University, East Lansing, MI

1990-1992 Postdoctoral Research Associate, Department of Molecular Microbiology and Genetics
1990-1992 Member: International Health Program Committee for International Scholars/students

University of Glasgow, Glasgow, Scotland

1985-1989 Postgraduate Research Training, University Department of Materia Medica, Stobhill Hospital.

Nigeria

1984-1985 Graduate Assistant, Department of Pharmacology, University of Maiduguri-Nigeria.
1983-1984 Medical Representative for Republican Pharmaceuticals Ltd. Lagos, Nigeria.
1982-1983.1 Pharmacology Instructor, School of Health Technology, Kaduna-Nigeria.

Consultancy and Professional Services:

Consultancy:

2014-2015 Mentor and Consultant on EPA Award EP14W000141 (Esther Obi: Student Contractor)
2013- Consultant and Host Scientist to Kogi State University, Anyigba, Nigeria.
2014- Consultant Scientist, Halamin Herbal Products, Abuja-Nigeria.

Professional Services:

i. Moderator, Gas Chromatography Application Session (GC/MS;-VUV), Gulf Coast Conference, Moody Gardens Convention Center, Galveston, TX. October 16-17, 2018.
ii. Member: Local Organizing Committee: Nigerian Association of Pharmacists and Pharmaceutical Scientists in the Americas, Inc (NAPPSA) Conference September 21-24, 2017 Memorial City, TX.

iii. Adviser and member, Organizing Committee, 8th International Conference on Environmental Science and Technology June 6-10, 2016 in Houston, Texas, USA
iv. Member, Organizing Committee 13th Global Diabetes Conference and Medicare Expo" August 08-10, 2016 at Birmingham, UK
v. Faculty and Organizer: Workshop/Course in Basic and Clinical Toxicology, Department of Chemical Pathology, College of Medicine, University of Ibadan, Nigeria. August 16-21, 2015
vi. Member, Organizing Committee: 6th Global Diabetes Summit & Medicare Expo Nov 02-04, 2015 Dubai, UAE.
vii. Member organizing committee: 2008 Diaspora Health Campaign Week in Abuja Nigeria
viii. Member: International Organizing Committee: International Symposium on Inflammation: An Underlying Factor in Several Diseases, September 11-13, 2006, Ibadan, Nigeria.
ix. Member: Local Organizing Committee: Nigerian Association of Pharmacists and Pharmaceutical Scientists in the Americas, Inc (NAPPSA) Conference September 14-16, 2007 Houston, TX.
x. Member, Board of Trustees Association of African Biomedical Scientists Inc (AABS, Inc).
1. Vice Secretary (AABS, Inc)
2. Chairperson, Editorial Committee (AABS Inc) for The ***BioMed Scientists***
3. Chairman Organizing Committee AABS Annual Scientific Conference April 11, 2011, Washington DC

Review of Professional Journals:

i. Cell Proliferation
ii. Free Radical Biology and Medicine
iii. American Journal of Physiology - Heart and Circulatory Physiology
iv. European Journal of Pharmacology
v. Journal of Applied Physiology
vi. Canadian Journal of Experimental Physiology and Pharmacology
vii. Journal of Human and Experimental Toxicology
viii. Journal of Neuroinflammation
ix. Journal of Diabetes, Metabolic Syndrome and Obesity
x. International Journal of Biomedical Science
xi. Journal of Nephrology
xii. Journal of Renal Failure
xiii. Acta Pharmacologica Sinica
xiv. Journal of Physiology
xv. Journal of Cardiovascular Pharmacology
xvi. Journal of Vascular Research
xvii. The Journal of Diabetes and Its Complications
xviii. Experimental and Molecular Pathology
xix. Pharmaceutical Biology
xx. Lipids in Health and Disease
xxi. Parasitology Today
xxii. Journal of Hypertension
xxiii. Journal of Food Science

Research Grants Reviewed

Grant Reviews:

USEPA Science to Achieve Results (STAR) Fellowships for Graduate Environmental Study
RCMI-CEH Pilot Project Program

NSF Panelist for Graduate Research Fellowship Program (GRFP)
NSF Panelist for Graduate Research Fellowship Program (GRFP)
Morehouse School of Medicine (G12/MBRC) Pilot Project Program
Medical Research Council, United Kingdom
Jewish Hospital Foundation, Louisville, Kentucky

Organizations: Memberships and offices held, dates

SOCIETY MEMBERSHIPS

2009-	American Society for Pharmacology and Experimental Therapeutics (ASPET)
1992-2005	American Heart Association –Premium Member
	Member Stroke Council
	Member Basic Research Council
1992-2009	American Physiological Society (APS)
1995-	Association of African Biomedical Scientist (AABS)
	Member Board of Trustee
	Vice Secretary
	Editor *BioMed Scientist*
	Chair Scientific Committee
2013-	Society of Toxicology (SOT)
2015-	Toxicologist of African Origin
1995-2000	Southeastern Pharmacology Society (USA)

Fellowships and Honors, Dates

2018	**Conference Session Chair**: Gas Chromatography Application Session: Gulf Coast Conference October 16-17, 2018 at the Moody Gardens Convention Center, Galveston, TX.
2017	Carnegie African Diaspora Fellow (Hosted by University of Abuja, Nigeria June- August 2017)
2016	**Keynote Speaker**: The future of Human Environment and Health: Sustainability through Integrated Approach. At the *8th International Conference on Environmental Science and Technology June 6-10, 2016 in Houston, Texas, USA*
2016	**Conference Session Chair**: Sym. 202: Molecular Diversity from Natural Product Sources for Drugs (Part II) -Application to Improving Human Health. *BIT's 6th Annual International Congress of Medichem-2016, Nanjing, China, November 16-19, 2016.*
2016	**Conference Session Chair**: Session 10 (Chlorinated and Other Persistent Organic Compounds) *at the 8th International Conference on Environmental Science and Technology 2016 to be held in Houston, Texas, USA on June 6 – 10, 2016.*
2015	Organizing Committee Member Global Diabetes 2016: *13th Global Diabetes Conference and Medicare Expo" August 08-10, 2016, Birmingham, UK*
2014/2015	Carnegie African Diaspora Fellow (Hosted by University of Ibadan, Nigeria June- August 2015)
2015	Appointed as Undergraduate Faculty Advisor by the Society of Toxicology Committee on Diversity Initiatives (CDI)
2014-2015	USEPA Mentor for student contractor (Esther Obi: $122,562.96)
2014-	Appointed Consultant/USA Host Scholar for Kogi State University Faculty and Staff Training
2012-	Compact for Faculty Diversity/ Bridges Faculty to the Professoriate: Institute on Teaching & Mentoring
2011-	Member: Mission Connect-The Institute for Rehabilitation and Research (TIRR)

2009 Co-Chair, Vasospasm Signal Transduction Session: 10th International Conference on Cerebral Vasospasm, Chongqing, China
2003 Chair & moderator: NHLBI 11th Annual Cardiovascular Research Awardees Session, Orlando FL
1990-1992 NIH Postdoctoral Fellow
1989-1990 British Medical Research Council Postdoctoral Research Assistantship
1985-1989 University of Maiduguri Study Fellowship

Awards and Prizes:
2016 TSU COSET Distinguished Professional Service Award April 2016
2011 TSU Faculty Excellence Award April 2011
2009 First Place: Best Oral Presenter, TSU Research Week
1997 University of Tennessee Health Science Center, Memphis Award for Outstanding Services to the Science Enrichment Program 1992-1997
1989-1990 Postdoctoral Research Assistant, Dept. of Medicine and Therapeutics, University of Glasgow
1979-1982 Benue State Government Scholarship

Travel Awards:
To attend scientific meetings and make presentations
2016 FASEB/MARC Program Mentored Poster Travel Award **EB2016**, San Diego (Syntia Kwende)
2015 Undergraduate Faculty Advisor Award, **SOT2015** San Diego, CA (Dr. Yakubu plus a student)
2011 FASEB/MARC Travel Award to **EB 2011,** Boston, MA, (Dr. Yakubu plus a student)
2012 FASEB/MARC Travel Award to **EB 2011,** Washington DC. (Dr. Yakubu plus a student)
2010 FASEB/MARC Travel Award to **EB 2010,** Anaheim, CA (Dr. Yakubu plus two students)
2009 FASEB/MARC Travel Award to **EB 2009,** New Orleans, LA (Dr. Yakubu plus two students)
2008 FASEB/MARC Travel Award to **EB 2008,** San Diego, CA. (Dr. Yakubu plus two students)

Research Grants:
FUNDED Grants:

- **AFSCAN Research Award** (UK) Molecular Epidemiology of Rabies Virus in Dogs in Nigeria $9,045 (2016-2018): PI: Fagbohun, OA, (University of Ibadan College of Veterinary Virology, Collaborator/Mentee); Co-PI: **Yakubu, MA.**
- **Project ID: PS00174837**: Carnegie African Diaspora Fellowship $12,500.00 (June-July 2017)
- **AFSCAN Research Award** (UK) Molecular Characterization of Canine Parvovirus-2 Viruses Circulating in Dogs in Nigeria $9,045 (2016-2018): PI: Omóbòwálé TO, (University of Ibadan College of Veterinary Medicine, Collaborator/Mentee); Co-PI: **Yakubu, MA.**
- **IIE Grantee ID: 15410197:** Carnegie African Diaspora Fellowship $25,650 (2014-2015): PI: **Yakubu MA.**
- **5R25HL003674-08:** NIH: TSU Research Scientist Award: $3,975,708 (2001-2013) Co-**PI: Yakubu MA.**
- **1R15HL70669-01: NIH:** Regulation of Cerebral Microvascular endothelin production (2002-2008). $180,802 **PI: Yakubu, MA.**
- AHA (SE-Affiliate) Grant-In-Aid: Mechanisms of Inhibition of endothelial cyclooxygenase by blood hemolysates, $120,000 (2000-2002) **PI: Yakubu, MA.**
- NIH Supplementary Award. Regulation of Cerebral Microcirculation. $250,000 (1996-2000) **Awardee: Yakubu, MA,** CO-PI:
- FASEB/MARC: Grant writing Seminar/Workshop Award at Orlando, FL. ($1,900) Aug. 1999.

- AHA (TN Affiliate) Grant-In-Aid. Roles of ET-1 and LPA in hematoma-induced changes in cerebral microcirculation. $50,000 (1996-1998) **PI: Yakubu, MA**
- University of Tennessee Medical Group Research Award. Hematoma and cerebral vasoreactivity: Role of endothelin-1. $12,450, (1995-1999) **PI: Yakubu, MA**

Grant Submitted Not Funded:

GRANTS Submitted

1. 2014- **NIH: NIGMS 1SC3GM109874-01** Identifying Novel Proteins Mediating Cerebrovascular Dysfunction in Diabetes
2. **2013- NIJ Grant GMS#: 2013-90165-TX-DN**: The Identification of Alcoholic Beverages by their Congener Profile. $300,000
3. **2013- RTRN: Small Pilot Grant**: Proteomic and Cerebrovascular Complications in Diabetes $50,000
4. **GRANT10423816**: **NIH-R15** Regulation of Cerebral Endothelial Cyclooxygenase. $344,000
5. **GRANT10416386**: **NIH-R15** Diabetes-Induced Cerebrovascular Complication–Protein Profiling. $220,500

Scholarship

PUBLICATIONS:

Research Articles: Peer-Reviewed

1. Adeoye BO; Ajibade TO; Oyagbemi A; Omobowale TO; **Yakubu MA**; Adedapo AD; Ayodele AE; Adedapo AA. (2019) Cardioprotective effects and antioxidant status of *Andrographis paniculata* in isoproterenol-induced myocardial infarction in rats. *Journal of Medicinal Plants for Economic Development ISSN: (Print) 2519-559X*
2. Oyagbemi AA, Omobowale TO, Awoyomi OV, Ajibade TO, Falayi OO, Ogunpolu BS, Okotie UJ, Asenuga ER, Adejumobi OA, Hassan FO, Ola-Davies OE, Saba AB, Adedapo AA, **Yakubu MA**. (2018) Cobalt chloride toxicity elicited hypertension and cardiac complication via induction of oxidative stress and upregulation of COX-2/Bax signaling pathway. *Hum Exp Toxicol. 2018 Dec 31:960327118812158. doi: 10.1177/0960327118812158. PMID:30596275*
3. Oyagbemi AA, Omobowale TO, Ola-Davies OE, Asenuga ER, Ajibade TO, Adejumobi OA, Afolabi JM, Ogunpolu BS, Falayi OO, Ayodeji F, Hassan FO, Saba AB, Adedapo AA, **Yakubu MA** (2018). Ameliorative effect of Rutin on sodium fluoride-induced hypertension through modulation of Kim-1/NF-κB/Nrf2 signaling pathway in rats. *Environ Toxicol. 2018 Dec;33(12):1284-1297. doi: 10.1002/tox.22636. Epub 2018 Sep 26.*
4. Oyagbemi AA, Omobowale TO, Ola-Davies OE, Asenuga ER, Ajibade TO, Adejumobi OA, Afolabi JM, Ogunpolu BS, Falayi OO, Saba AB, Adedapo AA, **Yakubu MA** (2018). Luteolin-mediated Kim-1/NF-kB/Nrf2 signaling pathways protects sodium fluoride-induced hypertension and cardiovascular complications. *Biofactors. 2018 Nov;44(6):518-531. doi: 10.1002/biof.1449. Epub 2018 Nov 26. PMID: 30474894*
5. Falayi OO, Oyagbemi AA, Omobowale TO, Ayodele EA, Adedapo AD, **Yakubu MA**, Adedapo AA (2018). Nephroprotective properties of the methanol stem extract of Abrus precatorius on gentamicin-induced renal damage in rats. *J Complement Integr Med. 2018 Oct 26. pii: /j/jcim.ahead-of-print/jcim-2017-0176/jcim-2017-0176.xml. doi: 10.1515/jcim-2017-0176. aqueosPMID: 30367803*
6. Omobowale TO, Oyagbemi AA, Ogunpolu BS, Ola-Davis OE, Olufemi J, Asenuga OER, Ajibade TO, Adejumobi1 OA, Afolabi1 JM, Falayi OO, Ashafa A, Adedapo AA, **Yakubu MA** (2018). Antihypertensive Effect of Polyphenol-Rich Fraction of *Azadirachta indica* on *N-ω-Nitro-L-Arginine Methyl Ester*-Induced Hypertension and Cardiorenal Dysfunction. *DOI https://doi.org/10.1055/a-0635-0638 Drug Res 2018; 1: 1–11.*

7. Oyagbemi AA, Omobowale TO, Ola-Davies OE, Asenuga ER, Ajibade TO, Adejumobi OA, Arojojoye OA, Afolabi JM, Ogunpolu BS, Falayi OO, Hassan FO, Ochigbo GO, Saba AB, Adedapo AA, **Yakubu MA** (2018). Quercetin attenuates hypertension induced by sodium fluoride via reduction in oxidative stress and modulation of HSP 70/ERK/PPARγ signaling pathways. *Biofactors. 2018 Sep 1. doi: 10.1002/biof.1445. [Epub ahead of print]*
8. Adedapo AA, Adeoye BO, Oyagbemi AA, Omobowale AA, and **Yakubu MA** (2018). Cardioprotective effects of Andrographis paniculata via alteration of C-reactive protein, Cardiac Troponin-1, Interleukin-10β and antioxidant status against isoproterenol-induced myocardial infarction in rats. *Journal: Journal of Medicinal Plants for Economic Development; ISSN: 2519-559X, E-ISSN: 2616-4809*
9. Oyagbemi AA, Omobowale TO, Asenuga ER, Afolabi JM, Adejumobi OA, Adedapo AA, Y**akubu MA** (2018). Effect of arsenic acid withdrawal on hepatotoxicity and disruption of erythrocyte antioxidant defense system. *Toxicol Rep. 2017 Sep 28;4:521-529. doi: 10.1016/j.toxrep.2017.09.006. eCollection 2017.*
10. Oyagbemi AA, Omobowale TO, Asenuga ER, Abiola JO, Adedapo AA, **Yakubu MA** (2018). Kolaviron attenuated arsenic acid induced-cardiorenal dysfunction via regulation of ROS, C-reactive proteins (CRP), cardiac troponin I (CTnI) and BCL2. *J Tradit Complement Med. 2017 Dec 7;8(3):396-409. doi: 10.1016/j.jtcme.2017.05.003. eCollection 2018 Jul.*
11. Adeoye AT, Oyagbemi AA, Omobowale TO, Adedapo AD,Ayodele AE, **Yakubu MA.** and Adedapo AA, (2018). Nephroprotective Effects of Vernonia amygdalina in Alloxan-induced Diabetes in Rats. *International Journal of Biochemistry Research & Review 21(1): 1-15, 2018; Article no.IJBCRR.40100 ISSN: 2231-086X, NLM ID: 101654445*
12. Adeoye AT, Oyagbemi AA, Omobowale TO, Fagbohun, OA, **Yakubu MA.** and Adedapo AA, (2018). Cell Proliferation and Cytotoxic Studies of *Vernonia amygdalina* on Vascular Smooth Muscle Cells and HT 29 Cell Lines. *Journal of Pharmaceutical Research International* ***21(6 21(6): 1-10, 2018; Article no.JPRI.39496 ISSN: 2456-9119 (2018; Article no.JPRI.39496 ISSN: 2456-9119*** *(Past name: British Journal of Pharmaceutical Research, Past ISSN: 2231-2919,NLM ID: 101631759)*
13. Omóbòwálé TO, Oyagbemi AA, Alaba BA, Ola-Davies OE, Adejumobi OA, Asenuga ER, Ajibade TO, Adedapo AA, **Yakubu MA** (2018). Ameliorative effect of Azadirachta indica on sodium fluoride-induced hypertension through improvement of antioxidant defence system and upregulation of extracellular signal regulated kinase 1/2 signaling. *J Basic Clin Physiol Pharmacol. 2018 Mar 28;29(2):155-164. doi: 10.1515/jbcpp-2017-0029.*
14. Omóbòwálé TO, Oyagbemi AA, Folasire AM, Ajibade TO, Asenuga ER, Adejumobi OA, Ola-Davies OE, Oyetola O, James G, Adedapo AA, **Yakubu MA** (2018). Ameliorative effect of gallic acid on doxorubicin-induced cardiac dysfunction in rats. *J Basic Clin Physiol Pharmacol. 2018 Jan 26;29(1):19-27. doi: 10.1515/jbcpp-2016-0194. PMID: 29016351*
15. Adedapo AA, Fagbohun OA, Dawurung C, Oyagbemi AA, Omobowale TO, **Yakubu MA**. (2017). The aqueous tuber extract of Pueraria tuberosa (Willd.) DC caused cytotoxic effect on HT 29 cell lines with down regulation of nuclear factor-kappa B (NF-κB). J Complement Integr Med. 2017 Oct 18. pii: /j/jcim.ahead-of-print/jcim-2016-0119/jcim-2016-0119.xml. doi: 10.1515/jcim-2016-0119. [Epub ahead of print] PMID: 29045235 https:// doi.org/10.1515/jcim-2016-0119
16. Oyagbemi AA, Omobowale TO, Ola-Davies OE, Adejumobi OA, Asenuga ER, Adeniji FK, Adedapo AA, **Yakubu MA** (2017). Protective Effect of Azadirachta iPolyphenolndica and Vitamin E Against Arsenic Acid-Induced Genotoxicity and Apoptosis in Rats. *J Diet Suppl. 2017 Aug 4:1-18. doi: 10.1080/19390211.2017.1336147. [Epub ahead of print]. PMID: 28777671.*
17. Omobowale TO, Oyagbemi AA, Ajufo UE, Adejumobi OA, Ola-Davies OE, Adedapo AA, **Yakubu MA** (2017). Ameliorative Effect of Gallic Acid in Doxorubicin-Induced Hepatotoxicity in Wistar Rats

Through Antioxidant Defense System. *J Diet Suppl. 2017 Jul 18:1-14. doi: 10.1080/19390211.2017.1335822. [Epub ahead of print] PMID: 28718673.*

18. Oyagbemi AA, Omobowale TO, Asenuga ER, Ochigbo GO, Adejumobi AO, Adedapo AA, **Yakubu** MA (2017). Sodium arsenite-induced cardiovascular and renal dysfunction in rat via oxidative stress and protein kinase B (Akt/PKB) signaling pathway. *Redox Rep. 2017 Apr 2:1-11. doi: 10.1080/13510002.2017.1308910. [Epub ahead of print]. PMID: 28366046.*
19. Oyagbemi AA, Omobowale TO, Asenuga ER, Ochigbo GO, Adejumobi AO, Adedapo AA**, Yakubu MA**. Sodium arsenite-induced cardiovascular and renal dysfunction in rat via oxidative stress and protein kinase B (Akt/PKB) signaling pathway. Redox *Rep. 2017 Apr 2:1-11. doi: 10.1080/13510002.2017.1308910. [Epub ahead of print] PMID:28366046.*
20. Oyagbemi AA, Omobowale TO, Asenuga ER, Adejumobi AO, Ajibade TO, Ige TM, Ogunpolu BS, Adedapo AA, **Yakubu MA.** (2017). Sodium fluoride induces hypertension and cardiac complications through generation of reactive oxygen species and activation of nuclear factor kappa beta. *Environ Toxicol. 2017 Apr;32(4):1089-1101. doi: 10.1002/tox.22306. Epub 2016 Jul 5. PMID: 27378751.*
21. Omóbòwálé TO, Oyagbemi AA, Adejumobi OA, Orherhe EV, Amid AS, Adedapo AA, Nottidge HO, **Yakubu MA** (2017). Preconditioning with Azadirachta indica ameliorates cardiorenal dysfunction through reduction in oxidative stress and extracellular signal regulated protein kinase signalling. *J Ayurveda Integr Med. 2016 Nov 25. pii: S0975-9476(16)30158-9. doi: 10.1016/j.jaim.2016.08.006. [Epub ahead of print]*
22. **Yakubu, MA**, Anozie O, Nsaif, RH and Oyekan AO. (2016) Differential effects of tyrosine kinase protein kinase C on acute subarachnoid hemorrhage-induced changes in cerebral hemodynamics in rats. *Clinical and Experimental Pharmacology and Physiology (In Revision)*
23. Oyagbemi AA, Omobowale TO, Asenuga ER, Adejumobi AO, Ajibade TO, Ige TM, Ogunpolu BS, Adedapo AA, **Yakubu MA** (2016): Sodium fluoride induces hypertension and cardiac complications through generation of reactive oxygen species and activation of nuclear factor kappa beta. *Environ Toxicol*. 2016 Jul 5. doi: 10.1002/tox.22306. [Epub ahead of print].
24. Adedapo AA, Oyagbemi AA, Omobowale TO and **Yakubu MA** (2016): The methanol seed extract of Garcinia kola attenuated Angiotensin II- and lipopolyssacharide-induced Vascular Smooth Muscle Cell proliferation and Nitric Oxide Production. *Mac Vet Rev 2016; 39 (2): i-vi. doi: 10.1515/macvetrev-2016-0079.*
25. Oloyo, AK, Sofola, OA, **Yakubu, MA**. (2016) Orchidectomy Attenuates High Salt Diet – Induced Increases in Blood Pressure, Renovascular Resistance, and Hind Limb Vascular Dysfunction: Role of Testosterone. *Clinical and Experimental Pharmacology and Physiology 2016; 43: 825–833, DOI: 10.1111/1440-1681.12595.*
26. Oyagbemi AA, Omobowale TO, Adedapo AA, **Yakubu MA** (2016). *Kolaviron*, biflavonoid complex from the seed of *Garcinia kola* attenuated Angiotensin II- and lypopolysaccharide-induced Vascular Smooth Muscle Cell Proliferation and Nitric Oxide Production. *Phcog Res 2016;8:S50-5***.**
27. Adedapo, AA, Oyagbemi AA, Fagbohun OA, Omobowale TO, **Yakubu MA** (2016). Evaluation of the cytotoxic properties of the methanol leaf extract of *Chromolaena odorata* on HT29 colorectal cancer cell line. *Journal of Pharmacognosy and Phytochemistry 2016; 5(2): 52-57.*
28. Naidu, NV, Smith-Baker, C, Sapp, JB, **Yakubu, MA**. (2016) Determination of γ-hexachlorocyclohexane and its Metabolites in Rats Urine, Serum, and Feces by HPLC-UV-Vis and MALDI-TOF. *Journal of Analytical Chemistry, 2016, Vol. 71, No. 3, pp. 310–319.*
29. **Yakubu MA, Research in the News:** Herbal 'cures' for lung cancer, malaria validated | The Guardian Nigeria *Inserted from http://www.ngrguardiannews.com/2015/04/herbal-cures-for-lung-cancer-malaria-validated/*

30. Adedapo, AA, **Yakubu, MA**, Oyekan, AO (2013). Responses of Isolated Aortic Rings of Rats to Some Vasoactive Agents. *Trop. Vet. Vol., 31(1)9-19 (2013).*
31. **Yakubu, MA,** Sofola, OA, Igbo, I, Adebayo, AO. Streptozotocin-induced diabetes attenuates cAMP, nitric oxide synthase, and bradykinin-mediated relaxations. Bratislava Medical Journal 113, 2, 59-63, 2012; **doi:**10.4149/BLL_2012_014.
32. **Yakubu, MA,** Nsaif, RH and Oyekan AO. Regulation of PPAR□□expression and NO production in cerebrovascular endothelial cells by PKC. International Journal of Biomedical Sciences and Clinical Medicine (*Bratislava Medical Journal*) 2010; 111 (5), 258-264.
33. Anozie O, Ross R, Oyekan OA, **Yakubu, MA**. Differential modulation of bradykinin-induced relaxation of endothelin-1 and phenylephrine contractions of rat aorta by reactive oxygen species. Acta Pharmacologia Sinica. 2007; 28(10): 1566-1572.doi: 10.1111/j.1745-7254.2007.00631.x.
34. **Yakubu, MA**, Nsaif, RH and Oyekan, OA. PPARα activation-mediated regulation of ET-1 production via nitric oxide and protein kinase C signaling pathways in piglet cerebral microvascular endothelial cell culture. *J Pharmacol Exp Ther*. 2007, 14; 320(2):774-81; 2006 Nov 14; DOI: 10.1124/jpet.106.104992.
35. **Yakubu, MA,** and CW Leffler. Regulation of cerebral microvascular endothelial cell cyclooxygenase-2 message and activity by blood derived vasoactive agents. *Brain Res Bull* 68(3) 150-156, 2005.
36. **Yakubu, MA**, Sofola, OA, Igbo, I., and Oyekan, AO. Link between free radicals and protein kinase C in glucose-induced alteration of vascular dilation. *Life Sci.* 75(24):2921-2932, 2004.
37. Sofola, OA, **Yakubu, MA**, Igbo, I., and Oyekan, AO. Reduction in the relaxation responses to isoprenaline of aortic rings from Sprague Dawley rats fed a high salt diet. *Eur J. Pharmacol*. 474, 241-247, 2003.
38. **Yakubu, MA,** M. Pourcyrous, MM. Randolph, KE Blaho, TD Mandrell, HS Bada, and CW Leffler. Conséquences of Maternal Cocaine on Cerebral Microvascular Functions in Piglets. *Brain Res.;* 947(2):174-81, 2002.
39. **Yakubu, MA**, CW Leffler. L-type voltage-dependent Ca^{2+} channels in cerebral microvascular endothelial cells and ET-1 biosynthesis. Am J Physiol Cell Physiol. 283(6):C1687-95, 2002.
40. **Yakubu, MA**, and CW Leffler. Enhanced pial arteriolar reactivity to bioactive agents following exposure to endothelin-1. *Life Sci. 66;* (4): 3007-3016, 2000.
41. **Yakubu, MA**, and CW Leffler. Regulation of ET-1 biosynthesis in cerebral microvascular endothelial cells by vasoactive agents and PKC. *Am. J. Physiol* 276: 45; C300-C3050) 1999.
42. **Yakubu, MA**, and CW Leffler. Augmentation of 5-hydroxytryptamine-induced vasoconstriction following cerebral hematoma in piglets. *Pediatr. Res*. 41: 317-320, 1997.
43. **Yakubu, MA**, K. Liliom, GJ Tigyi, and CW Leffler. Role of lysophosphatidic acid in endothelin-1 and hematoma-induced alteration of cerebral microcirculation. Am. J. Physiol. 42: R703-R709, 1997.
44. **Yakubu, MA**, and CW Leffler. Role of $ET\text{-}1_A$ receptor in hematoma-induced alteration of cerebral microvascular responses in vivo. *Brain Res*. 734: 149-156, 1996.
45. Tigyi, G, L Hong, **MA Yakubu**, H. Parfenova, M. Shibata, and CW Leffler. The platelet-derived phospholipid mediator lysophosphatidic acid alters cerebral vascular reactivity in piglets. *Am. J. Physiol*. 37: H2048-H2055, 1995.
46. **Yakubu, MA**, M. Shibata, M, and CW Leffler. Hematoma-Induced enhanced cerebral vasoconstrictions to LTC_4 and ET-1 in piglet: role of prostanoids. *Pediatr. Res.* 38: 119-123, 1995.
47. **Yakubu, MA**, S. Majumder, and F. Kierszenbaum. Changes in *Trypanosoma Cruzi* infectivity by treatments that affect calcium ion levels. *Mol. Biochem. Parasitol*. 66: 119-125, 1994.
48. PJ Myler, MJ Lodes, G Merlin, T DeVos, KD Stuart, JA Denker, TW Nilsen, D Clark, M Albrecht, J Arrvalo, PK Patnaik, V Bellofatto, D Hartree, GAM Cross, WHL Stafford, MJ Blackman, A Harris, S Shai, M Grainger, AK Singh, HY Liu, ST Lee, Y Yi, J Samuelson, DA Barnes, J Thompson, T Triglia,

K Day, DJ Kemp, JM Favaloro, XH Niu, T Hartshorne, XY He, N Agabian, E Da Silva, M Foley, AR Dluzewski, LJ Murray, RF Anders, L Tilley, B Pouvelle, JA Gormley, TF Taraschi, D Chakrabarti, GR Reddy, JB Dame, EC Almira, PJ Laipis, RJ Ferl, TP Yang, TC Rowe, SM Schuster, J Ding, JGJ Su, TE Mansour, X Oue, SL Reed, **MA Yakubu**, S Majumder, F Kierszenbaum, PJ Johnson, BL Schuck, MG Delgadillo (1994). Regular Papers Molecular characterisation and localisation of an Onchocerca volvulus zr-class glntathione S-transferase G. Salinas, G. Braun and DW Taylor (UK) 1 An amplified DNA element in Leishmania encodes potential integral membrane and nucleotide-binding proteins

49. **Yakubu, MA,** M. Shibata, and CW Leffler. Subarachnoid hematoma attenuates vasodilation and potentiates vasoconstriction induced by vasoactive agents in newborn pigs. *Pediatr Res* 36: 589-594, 1994.
50. **Yakubu, MA**, S Majumder, and F. Kierszenbaum. Effects of MDL 73811 [an analog of S-adenosyl methionine decarboxylase] on infectivity and multiplication of *T. Cruzi* in cultured rat heart myoblast. *J. Parasitol*. 79(4): 525-532, 1993.
51. Hamilton, CA, **MA Yakubu**, CA. Howie, and JL Reid. Do centrally acting antihypertensive drugs act at non-adrenergic as well as at alpha$_2$-adrenoceptor sites? *Clin. Exp. Hypertens*. 14(5): 815-835, 1992.
52. **Yakubu, MA**, B. Basso, and F. Kierszenbaum. DL-alpha-difluoro-methylarginine inhibits intracellular *Trypanosoma Cruzi* multiplication by affecting cell division but not trypomastigote-amastigote transformation. *J. Parasitol.* 78(3): 414-419, 1992.
53. Hamilton, CA, **MA Yakubu**, E Jardine, and JL Reid. Imidazole binding sites in rabbit kidney and forebrain membranes. *J. Auton. Pharmacol.* 11(4): 277-283, 1991.
54. Hamilton, CA., **MA Yakubu**, CA Howie, E Jardine, and JL Reid. Desensitization and down regulation of brain alpha$_2$-adrenoceptors by centrally acting antihypertensive drugs. *Br. J. Clin. Pharmacol*. 30: 131s-134s, 1990.
55. **Yakubu, MA**, NM Deighton, CA Hamilton, and JL Reid. Differential regulation of [^{3}H]idazoxan and [^{3}H]yohimbine binding sites in the rabbit. *Eur. J. Pharmacol.* 176: 305-311, 1990.
56. Hamilton, CA, **MA Yakubu**, E. Jardine, and JL Reid. Non-adrenergic binding of [^{3}H]idazoxan and [^{3}H]clonidine to rabbit forebrain and kidney membranes. *Eur. J. Pharmacol*. 183: 4-5, 1990.
57. **Yakubu, MA**, C. A. Hamilton, C. A. Howie, and J. L. Reid. Idazoxan and brain alpha$_2$-adrenoceptor in the rabbit. *Brain Res.* 436: 289-296, 1988.
58. Hamilton, CA, JL Reid, and **MA Yakubu**. [^{3}H]Yohimbine and [^{3}H]idazoxan bind to different sites on rabbit brain and kidney membranes. *Eur. J. Pharmacol*. 146:3 45-348, 1988.

Book Chapter:

1. Reid, JL, CA. Hamilton, IM Macrae, **MA Yakubu**, and MA McAuley. Central adrenergic regulation of blood pressure: transmitter and receptor heterogeneity. In: Progress in Catecholamine Research, Part B: Central Aspects. Alan R. Liss, Inc., 1988, pp. 311-315.

Abstracts:

1. Akinade A. O., Omotosho,I. O., . Lagunju I. A, and **Yakubu M. A**. (2019). Autism Spectrum Disorders (ASD) and Cerebral Palsy (CP) as Neurodevelopmental Disorders in Children in Ibadan, Nigeria: Pb and Se in Focus. SOT March 2019
2. Gonnabathula, PK, **Yakubu MA** Multiple Persistent Environmental Chemicals at Low Concentrations Differentially Regulates Fatty Acids/Lipids in Wild Type and PPARAa-/- Mice *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
3. Blessing Ogunpolu, Oyagbemi AA, Omobowale TO, Adedapo AA, Falayi F., Saba D., **Yakubu MA** Polyphenol-Rich Fraction of *Parquetina nigrescens* Quenches Dichlorvos-Induced Cardiorenal

Dysfunction through Reduction in Nitrotyrosine/ p38 MAPK pathways *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*

4. Ademola Oyagbemi, Oyagbemi AA, Omobowale TO, Adedapo AA, Hassan F., Falayi, O., Adeoye B., Ogunpolu B., Falayi O**.**, Afolabi JM., Adejumobi AO., Davis OO., Ajibade TO., Williams N., Saba Dee **Yakubu MA** (2019) Luteolin attenuates glycerol-induced acute renal failure through modulation of Kim-1/ NF-&[kappa]B / Nrf2 signaling pathways *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
5. Falayi, O., Oyagbemi AA, Omobowale TO, Adedapo AA,, Debee, Bayodele, **Yakubu MA** Nephroprotective properties of the methanol stem extract of *Abrus precatorius* on gentamicin-induced renal damage through suppression of NF-&[kappa]B/CRP and enhancement of Bcl-2 signaling pathways *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
6. Olumuyiwa Adejumobi, Oyagbemi AA, Omobowale TO, Adedapo AA, Omotosho OO., Nyfymy, **Yakubu MA** (2019) Modulation of $N^{\&[omega]}$-nitro-L-arginine methyl ester (L-NAME)-Induced Hypertension and Cardio-renal Oxidative Stress by Methanol Extract of *Persea americana* Root *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
7. Omobowale TO., Oyagbemi AA, Adedapo AA, **Yakubu MA** (2019) Amelioration of $N^{\&[omega]}$-Nitro-L-Arginine Methyl Ester (L-NAME)-induced hypertension and cardio-renal oxidative stress by the methanol bark extract of *Persea americana EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
8. Adedapo AA., Oyagbemi AA, Omobowale TO, Adedapo AA, Adeoye B., Ogunpolu B., Falayi O., Oguntibeju., Tosinasunloya., **Yakubu MA** (2019) The Ethanol Leaf Extract of *Moringa Oleifera* Blunts Isoproterenol-induced Cardiotoxicity in Rats through Mitigation of Free Radical Production and Down Regulation of Cardiac Troponin and Nuclear Factor Kappa B'. *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
9. Oyagbemi AA, Omobowale TO, Adedapo AA, **Yakubu MA** (2019) BioFactorsin attenuates glycerol-induced acute renal failure through modulation of Kim-1/ NF-&[kappa]B / Nrf2 signaling pathways' *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
10. Adejumobi AO, Oyagbemi AA, Omobowale TO, Adedapo AA, **Yakubu MA** 'Modulation of $N^{\&[omega]}$-nitro-L-arginine methyl ester (L-NAME) Induced Hypertension and Cardio-renal Oxidative Stress by Methanol Extract of *Peasea americana* Root' *EXPERIMENTAL BIOLOGY 2019, Orange County Convention Center, Orlando, FL, April 6-9, 2019.*
11. Omobowale TO, Oyagbemi AA, Fagbohun, OA, Adedapo AA, **Yakubu MA** (2018). Protective effects of the polyphenol-rich fraction of Azadirachta indica methanol-leaf extract on N&[omega]-Nitro-L-Arginine Methyl Ester-induced hypertension and cardiorenal dysfunction. EB2018 San Diego, CA April 21-25, 2018
12. Morgem M, Oyagbemi AA, Omobowale TO, Fagbohun, OA, Adedapo AA, **Yakubu MA** (2018). Hormetic Response of H1299 Proliferation to Extracts of *Hydnora Johannis Becc (Kausen Kasa)* is Mediated Via Estrogen Receptor/EGFR and PKC. FASEB J. Late Breaking abstract EB2018.
13. Adenipekun K, Omobowale TO, Oyagbemi AA, Ogunpolu BS, Ola-Davies OE, Olufemi J, Olukunle JO, Asenuga ER, Ajibade TO, Adejumobi AO, Afolabi JM, Falayi OO, Ashafa A, Oyagbemi AA, Omobowale TO, Fagbohun, OA, Adedapo AA, **Yakubu MA** (2018). Butanol extract of Morinda Lucida (BEML) protects against Isoproterenol-induced myocardial infarction in Wistar rats EB2018 San Diego, CA April 21-25, 2018
14. Gonnabathula PK and **Yakubu MA**, Trace Concentrations of Emerging Contaminants Dysregulates Nitric Oxide Levels and Superoxide Dismutase Activity in Mice: Differential Roles of Sex and PPARα.

Accepted for 2018 SOT Platform Presentation Ecotoxicology Session Time: Wednesday Mar 14, 2018 1:30 PM - 4:15 PM, San Antonio, Tx.

15. Gonnabathula PK, and **Yakubu, MA** Effects of Emerging Contaminants at Trace Level on Nitric Oxide (NO) Levels and Superoxide Dismutase (SOD) Activity In Mice: Role of Sex and PPAR□. 2018 Emerging Contaminants Summit on March 6-7, 2018 at The Westin Westminster, in Westminster, CO.
16. Akinade A, Omotosho I, Lagunju I, **Yakubu MA** (2017) Environmental exposure to lead, vanadium, copper and selenium: Possible implications in the development of autism spectrum disorders. SETAC Africa 8th Biennial Conference, Calabar, 2017.
17. Pavani Gonnabathula, **Momoh A. Yakubu** (2017). Effects of emerging contaminants at trace level on nitric oxide (NO) levels and superoxide dismutase (SOD) activity in mice: Role of sex and PPARα. *SETAC – TSU Conference, Houston, 2017*
18. Mounira O. Morgem, **Momoh A. Yakubu** *(2017).* Paradoxical regulation of human lung adenocarcinoma cells line (H1299) proliferation by ethanol extract of Hydnora Johannis Becc (*Kausen Kasa*) mediated by estrogen receptor/ EGFR and PKC activating pathways. *SETAC – TSU Conference, Houston, 2017*
19. Toluwani O. Adebayo, **Momoh A. Yakubu (2017)** Evaluation of anti-proliferation and cytotoxic effects of Jegeme leaf extract on human lung adenocarcinoma cell line (H1299). *SETAC – TSU Conference, Houston, 2017***.**
20. Onyanobi Abel-Anyebe, Bakare Oladapo, Nabil Idris, K.I. Ekpenyong, **Momoh A. Yakubu** (2017). A Green Chemical Approach to Fatty Amide Synthesis from Fatty Esters. *SETAC – TSU Conference, Houston, 2017***.**
21. Chukwunonso A. Anakwue, Toluwani O. Adebayo, Mounira Morgen, **Momoh A. Yakubu (2017).** Anti-proliferative effects of Neem extracts on H1299 cancer cell lines. *SETAC – TSU Conference, Houston, 2017*
22. Temidayo Olutayo Omobowale, Ademola Oyagbemi, Fisayo Ugbor, Olumuyiwa Adejumobi, Adeolu Adedapo, **Momoh Yakubu** (2017) Nω-Nitro-L-Arginine Methyl Ester (L-NAME) induced hypertension and cardiorenal oxidative stress: Modulatory effect of the methanolic extract of Azadirachta indica. *April 2017 The FASEB Journal vol. 31 no. 1 Supplement 1011.10*
23. Olumuyiwa Adejumobi, Temidayo Omobowale, Ademola Oyagbemi, Olubukola Ayenuro, Olufunke Ola-Davies, Adeolu Adedapo and **Momoh Yakubu** (2017). Amelioration of Sodium Fluoride-induced hypertension, cardio-renal oxidative stress and genotoxicity by Azadirachta indica through antioxidant and extracellular signal-regulated kinase (ERK) 1/2 signaling. *April 2017 The FASEB Journal vol. 31 no. 1 Supplement 843.12.*
24. Adeolu Alex Adedapo, Bisi Olajumoke Adeoye, Ademola Adetokunbo Oyagbemi, Temidayo Olutayo Omobowale, and **Momoh Audu Yakubu** (2017). Cardioprotective Effects of the Ethanol Leaf Extract of Andrographis Paniculata in Isoproterenol-induced Myocardial Infarction in Rats. *FASEB J April 2017 31:1070.12*
25. Jeremiah Moyinoluwa Afolabi, Ademola Adetokunbo Oyagbemi, Temidayo Olutayo Omobowale, Ebunoluwa Racheal Asenuga, Temitayo Olabisi Ajibade, Olumuyiwa Abiola Adejumobi, Fasilat Oluwakemi Hassan, Adeolu Alex Adedapo, and **Momoh Audu Yakubu** (2017) Quercetin attenuates Sodium fluoride (NaF)-induced hypertension through reduction in oxidative stress and heat shock proteins (HSP 70)/extracellular signal regulated kinase (ERK) pathways in rats. *FASEB J April 2017 31:lb620*
26. **Yakubu MA**, Omobowale TO, Oyagbemi AA. Adedapo AA. (2016) *Azadirachta Indica* Ameliorates Ischemia/Reperfusion- and Hypertension-Induced Cardio-Renal Dysfunctions Mediated by Oxidative

Stress. *BIT's 6th Annual International Congress of Medichem-2016 Theme: Efficient Creators of Future Therapy, Nanjing, China, November 16-19, 2016.*

27. **Yakubu MA**. (2016) The paradox of environmental poisonous gases: From environmental rotten egg hydrogen sulfide to gaso-therapeutics at the bedside. *13th International Symposium on Recent Advances in Environmental Health Research to be hosted by Jackson State University, September 11-14, 2016 at the Jackson Marriott Hotel in Jackson, Mississippi*
28. **Yakubu MA**, Brinkley NS, and Bessac B. (2016) Lindane (□-Hexachlororcclohexane) Exposure Impairs Ca^{2+}-Mediated Vascular Reactivity. *13th International Symposium on Recent Advances in Environmental Health Research to be hosted by Jackson State University, September 11-14, 2016 at the Jackson Marriott Hotel in Jackson, Mississippi.*
29. Adedapo, AA, Oyagbemi AA, Fagbohun OA, Omobowale TO, **Yakubu MA** (2016). Evaluation of the anticancer properties of the methanol leaf extract of Chromolaena odorata on HT29 lung cancer cell line. *FASEB J April 2016 30:1193.6*
30. Oyagbemi A., Omobowale T., Olowu, ER., Adedapo A., Oyekan AO., and **Yakubu MA** (2016) Kolaviron attenuated arsenic acid-induced cardiovascular dysfunction by enhancing antioxidant defense system and inhibiting inflammatory and apoptotic signaling pathways *FASEB J April 2016 30:939.5*
31. Synthia Kwende, Ademola Oyagbemi, Temidayo Omobowale, Adeolu Adedapo, Olusegun Fagbohun, and **Momoh Yakubu** (2016). SAABFAT6-induced anti-growth and survival of A549 adenocarcenoma cell is mediated via death and survival pathways and downstream cascades involving regulation of NF-□□ expression. *FASEB J April 2016 30:937.6*
32. **Momoh A. Yakubu,** Nina Brinkley, Syntia Kwende, Sara Munyu, Chioma Ihemadu, Fatemeh Bidabadi, Bhavin Rena, Joan Tran, Naga Naidu, Gloria Okome (2016). Biological and Instrumental Analysis of Emerging Contaminants of Concern: In Single and Multiple Profiling, *submitted to the International Conference on Environmental Science and Technology 2016 has been received. The reference number for this abstract is #645.*
33. Syntia Kwende and **Momoh A. Yakubu**. Analysis of Water from Treatment Plant for Contaminants of Emerging Concern. Submitted (10/09/15) for presentation at SOT2016 in New Orleans
34. **Momoh A. Yakubu**, Bhavin Rena, and Gloria Okome. (2015). Characterization and finger printing of tar balls along Galveston beach from the Gulf of Mexico BP oil spill: Impact of Time and weathering on PAHS and trace metals. *12th International Symposium on Recent Advances in Environmental Health Research to be hosted by Jackson State University, September 13-16, 2015 at the Jackson Marriott Hotel in Jackson, Mississippi.*
35. **Momoh A. Yakubu**, Profiling and strategic analysis of emerging contaminants. Distinguished speaker Invitation: *12th International Symposium on Recent Advances in Environmental Health Research. The symposium hosted by Jackson State University will be held September 13-16, 2015 at the Jackson Marriott Hotel in Jackson, Mississippi.*
36. **Momoh A. Yakubu**, Herbal Plants in the Management of Diabetes and its Complication. Distinguished Invited presentation: *6th Global Diabetes Summit and Medicare Expo Dubai" (Dubai Diabetes expo) during November 2-4, 2015 at Dubai, UAE hosted by OMICS Group Conferences*
37. Adedapo A., Omobowale T., Oyagbemi A., **Yakubu MA**., and Oyekan AO. The Methanol Extract of Garcinia kola Seed Blunts Lipopolyssacharide (LPS)- and Angiotensin II-induced Cell Proliferation as well as Nitric Oxide Production in In Vitro Vascular Smooth Muscle Cells (VSMC) Assay. *FASEB J April 2015 29:773.6.*
38. Tran J., Naidu NV., and **Yakubu, MA.** HPLC Uv-Vis Analysis of Multiple Pesticides Extracted from Biological Tissues: Effects of Acetonitrile/Hexane on Detection. FASEB J April 2015 29:776.1

39. Courtney Blake, Oyagbemi Adetokunbo, Adeolu Adedapo, Tayo Omobowale, and **Momoh Yakubu** Kolaviron-Induced Inhibition of H1299 Lung Cancer Cells Growth and Survival via PKA/P13K Pathways *FASEB J April 2015 29:LB539*
40. Omobowale T., Oyagbemi A., Adedapo A., and **Yakubu MA**. Antiproliferative Effect of Methanolic Extract of Azadirachta indica on Vascular Smooth Muscle Cells (VSMCs). FASEB J April 2015 29:803.4
41. Kwende S., **Yakubu, MA**. Antiproliferative and Cytotoxic Evaluation of Herbal Supplement SAABFAT6 on HT29 Colorectal Adenocarcinoma Cells. *FASEB J April 2015 29:LB541*
42. Oyagbemi A., Omobowale T., Adedapo A., Oyekan AO., and **Yakubu MA**. Antiproliferative Effect of Kolaviron, a Biflavonoid Complex from the Seed of Garcinia Kola on Vascular Smooth Muscle Cells (VSMs) and A549 Cancer Cell Line. FASEB J April 2015 29:945.17
43. Naga NV, **Yakubu, MA** (2014) Synthesis, Characterization and Toxicity Studies of [Ru2(Aap)4cl]: a Diruthenium Complex. Accepted for presentation at EB2014, *FASEB J April 2014 28:655.12*
44. Ihemadu, C, Naga, NV, Thomas R, **Yakubu, MA.** (2014) Analysis of persistent organic compounds and metals in urine samples of young adults. Accepted for presentation at EB2014, *FASEB J April 2014 28:844.5*
45. Bidabadi, F. **Yakubu, MA**. (2014) Consumer Exposure to Bisphenol A from Plastic Bottles Depends on Degree of Usage Submitted abstract (#1925967), SOT 2014 Conference
46. Osagie, N., Oyekan, AO, **Yakubu, MA (2013).** Effects of PPAR Activation and the Role of HO-1 in Acute SAH-Induced Fall in Cerebral Blood Flow in Rat. *FASEB J April 9, 2013 27:lb502*
47. Naga, NV, Munyu, S., **Yakubu. MA (2013).** Determination of BPA and its Metabolites by HPLC-uv-vis and MALDI-TOF *FASEB J April 9, 2013 27:lb636*
48. Naga, NV, **Yakubu. MA (2012).** Determination of lindane and its metabolites by HPLC-UV-Vis and MALDI-TOF**.** *J Clinic Toxicol 2012, 2:9* http://dx.doi.org/10.4172/2161-0495.S1.008.
49. Naidu, NV, Smith-Baker, C., **Yakubu, MA.** Analysis of Lindane and Metabolites by HPLC-UV-Vis and MALDI-TOF. **EB2012 April 21-25, 2012.** *FASEB J March 29, 2012 26:lb590.*
50. Omorebokhae, JI, Munyu, S, Oyekan, AO, **Yakubu, MA**. Vascular Signaling Pathways for Bisphenol A. **EB2012, April 21-25, 2012** *FASEB J March 29, 2012 26:1050.16.*
51. Ahmed OK, **Yakubu, M**A, Sofola, OA, Oyekan, AO. Effects of Testosterone on Vascular Reactivity in Male Sprague - Dawley Rats Fed a High Salt Diet. **EB2012, April 21-25, 2012.** *FASEB J March 29, 2012 26:872.27*
52. Lewis, G., Naidu, N., **Yakubu, M.,** and Wilson, B., 'Analysis of Lindane and it Metabolites in Rats Feces by HPLC-UV-Vis and MALDI-TOF," 39th Meeting of NOBCChE, Washington, D.C., September 24-28, 2012.
53. **Yakubu, MA,** Ettinoffe, EC, Ndingwan N, Oyekan, AO. Regulation of cerebral and renal microcirculation by acid sensing ion channels: a possible role for PPAR. 9th Annual Ion Channel Retreat, Vancouver Canada June 26-29, 2011.
54. Ettinoffe, EC, Oyekan, AO. **Yakubu, MA.** Characterization of the Roles of Acid Sensing Ion Channels (ASICs) in Cerebral and Renal Microcirculation in Rats**. FASEB 2011,** *FASEB J March 17, 2011 25:816.21.*
55. Ndingwan N., Oyekan, AO. **Yakubu, MA.** Interactions of PPARα and Acid Sensing Ion Channels on Cerebral Perfusion in Mice. **FASEB 2011** *FASEB J March 17, 2011 25:1024.27.*
56. Ahmed, G, Oyekan, AO, **Yakubu, MA.** Regulation of cerebral blood flow by hydrogen sulfide **FASEB 2010.** *FASEB J April 6, 2010 24:957.6.*

57. Hamilton, A., Mosley, R., Oyekan, AO, **Yakubu, MA.** Effects of L-Cysteine on cerebral microcirculation. Biomedical Symposium of the **AMHPS 2009 Mid-year Clinical Meeting Student Poster (March 2009).**
58. Smith-Baker CA, **Yakubu MA**, Nance JH, Oyekan AO, Saleh MA Biomarkers for the Exposure of Pesticides Using a Rat Model presented at the NIH-NCRR **Annual RCMI Symposium, 2008.**
59. Bailes, AA, **Yakubu MA.,** Oyekan AO. Women and lupus: A review of the safety of estrogen in oral contraceptives. Biomedical Symposium of the **AMHPS March 2008.**
60. Zangeneh S., Oyekan, AO, **Yakubu MA.** Attenuation of hydrogen sulfide (H2S)-induced relaxation of aorta from Streptozotocin-induced diabetic rats. **FASEB 2008.**
61. Hamilton, A., Mosley, R., Oyekan, AO, **Yakubu, MA.** Effects of L-Cysteien on cerebral microcirculation. Biomedical Symposium of the **AMHPS 2009 Mid-year Clinical Meeting Student Poster (March 2009).**
62. Smith-Baker CA, **Yakubu MA**, Nance JH, Oyekan AO, Saleh MA. Biomarkers for the Exposure of Pesticides Using a Rat Model NIH-NCRR **Annual RCMI Symposium, 2008**.
63. Bailes, AA, **Yakubu MA.,** Oyekan AO. Women and lupus: A review of the safety of estrogen in oral contraceptives. Biomedical Symposium of the **AMHPS March 2008**.
64. Zangeneh S., Oyekan, AO, **Yakubu MA.** Attenuation of hydrogen sulfide (H_2S)-induced relaxation of aorta from Streptozotocin-induced diabetic rats. **FASEB 2008** *FASEB J April 5, 2008 22:1148.22*
65. Butler J, Tanner J, Oyekan, AO, **Yakubu MA**. Does H_2S modulate NO level in cerebral microvascular cell? FASEB J. 21(6): A1386; 960.17, 2007.
66. Nsaif RH, Anozie, O, Oyekan AO, and **Yakubu MA** Diabetes-induced alteration of signaling proteins in the rat cerebral microvasculature. FASEB J. 20(5): A1392; 905.5, 2006.
67. Ngala, Y, Nsaif RH, Sapp JB, Oyekan AO and **Yakubu MA** Chronic Exposure to polychlorinated biphenyls alters vascular relaxation and cerebral microvascular eNOS expression. FASEB J. 20(5): A642; 416.13, 2006.
68. **Yakubu, MA,** Nsaif, RH and Oyekan, OA. Inhibition of COX increases ET-1, expression of stress proteins, and compensatory upregulation of NOS in cerebral microvascular endothelial cells. AHA CHBPR, Washington DC, September 20-25, 2005.
69. Ngala, Y, Nsaif RH, Sapp JB, Oyekan AO, and Yakubu MA Chronic Exposure to polychlorinated biphenyls alter vascular relaxation and cerebral microvascular eNOS expression. Presented at the 2006 Experimental Biology Conference; FASEB J. 20(5): A642; 416.13, 2006.
70. **Yakubu, MA,** Nsaif, RH Newaz, MA and Oyekan, OA. Activation of PPAR attenuates ET-1 production from cerebrovascular endothelial cell. Ninth International Conference on Endothelin (ET-9), Park City, Utah. September 11-14, 2005.
71. **Yakubu, MA,** Nsaif, RH and Oyekan, OA. Effects of STZ on PKC, COX-2, eNOS, iNOS, and endothelin converting enzyme (ECE) in cerebral microvessels. Presented at the NIH-NCRR Annual RCMI (20^{th}) Symposium, Houston 2005, Book of abstract page 101 [P-6].
72. Nsaif, RH, Oyekan, OA, **Yakubu, MA**. COX-2 inhibition increase ET-1 and NO production as well as stress protein expressions in cerebral microvascular endothelial cells. Presented at the NIH-NCRR Annual RCMI (20^{th}) Symposium, Houston 2005, Book of abstract page 102 [P-8].
73. Ngala, Y, Nsaif RH, Sapp JB, Oyekan AO, and Yakubu MA**.** Low-level exposure to polychlorinated biphenyls alters vascular relaxation and cerebral microvascular eNOS expression. Presented at the NIH-NCRR Annual RCMI (20^{th}) Symposium, Houston 2005, Book of abstract page 103 [P-9].
74. Anozie O, Nsaif RH, Kelly M, Ngala N, Oyekan AO, **Yakubu, MA**. Protein tyrosine kinase but not PKC inhibition prevented and reversed acute SAH-induced fall in CBF. FASEB J 19(4): 689.32, 2005.

75. **Yakubu, MA**, Nsaif, RH, Newaz MA, Oyekan, AO. Role of protein kinase C in peroxisome proliferators-activator receptor alpha-induced nitric oxide production in cerebral endothelial cells. FASEB J 19(4): 686.25, 2005.
76. **Yakubu, MA,** Adebayo, AO. Differential modulation of bradykinin relaxation of ET-1 and phenylephrine contractions by reactive oxygen species**.** FASEB J. 18 (4) A633, 2004.
77. Newaz, M**, Yakubu, MA,** Blanton A, Fidelis P, Adebayo, AO. Peroxisome proliferator activated receptor□□/nitric oxide interactions on renal function and vascular reactivity. FASEB J. 17 (4) A641, 2004.
78. **Yakubu, MA,** Sofola, OA, and Adebayo, AO. Streptozotocin-induced diabetes attenuates cAMP, nitric oxide synthase, and bradykinin-mediated relaxations. FASEB J. 17 (4) A452, 2003.
79. **Yakubu, MA,** Murphy, G. Onyekwelu, C., Oyekan, AO. Mechanism of bradykinin-induced dilation of rat aorta. FASEB J. 17 (4) A223, 2003.
80. **Yakubu, MA,** Sofola, OA, and Adebayo, AO. High Glucose attenuates Acetylcholine-Induced dilation of aortic ring. FASEB J. 16 (4) A433, 2002.
81. **Yakubu, MA**, and CW Leffler. Maternal Cocaine and Cerebral Microvascular Functions in Piglets. FASEB J.15 (4) A126, 2001.
82. **Yakubu, MA**, CW. Leffler. Effects of Prolonged Exposure of Cerebral Microvascular Endothelial Cells to Vasospasmogens on COX- Activity FASEB J. 14 (4) A153; 2000.
83. **Yakubu, MA**, and CW Leffler. Voltage-Dependent calcium Channel in Cerebral microvascular Endothelial Cells. AHA Scientific Meetings-NIH Minority Program, New Orleans, 2000.
84. Gee, JB, **Yakubu, MA,** Fedenic AL, and Leffler, CW. Inhibition of COX-2 alters cerebral vasoreactivity to endothelin-1 administration. Pediatr. Res 1999.
85. **Yakubu, MA,** and CW Leffler. Role of Calcium ions in ET-1 production by blood by-products from endothelial cells. FASEB 1999.
86. **Yakubu, MA**, and C. W. Leffler. Endothelin-1 reduces cAMP generation by iloprost from cerebral microvascular endothelial cells. FASEB J. 12 (5) A672; 1998.
87. **Yakubu, MA**, and CW Leffler. Sensitization of pial arterioles by endothelin-1 enhances constriction in piglets. Abstract presented at the Sixth International Conference on Fetal and Neonatal Physiological Measurement, Peabody Hotel, Memphis, October 1997.
88. **Yakubu, MA**, and CW Leffler. Endothelin-1 production from endothelial cells: Role of protein kinase C. FASEB J. 11 (3): A484, 1997.
89. **Yakubu, MA**, Liliom, K, Tigyi, GJ and Leffler, CW: 1997 Endothelin-1 (ET-1) stimulates lysophosphatidic acid (LPA) production by piglet cerebral microvascular endothelial cells. Pediatr. Res. 41(4):188A, 1997.
90. **Yakubu, MA**, and CW. Leffler. Vasoactive agents stimulate endothelin-1 (ET-1) production from endothelial cells via protein kinase C. Pediatr. Res .41(4):188A, 1997.
91. **Yakubu, MA**, and CW Leffler. Effects of prostanoids, vasoconstrictors and cAMP on endothelin-1 production by cerebral microvascular endothelial cells in culture. Abstract presented at the Satellite Symposium of the XVIII International Congress on Cerebral Blood Flow and Metabolism: Mechanisms of Cerebrovascular Function and Regulation, Williamsburg, Virginia-USA p. 65, 1997.
92. **Yakubu, MA**, K. Liliom, GJ Tigyi, and CW. Leffler. Hematoma-induced modification of cerebral microcirculation may involve endothelin-1 and lysophosphatidic acid (LPA). FASEB J. 10(3): A302, 1996.
93. **Yakubu, MA**, K. Liliom, GJ Tigyi, and CW Leffler. Endothelin-1 (ET-1) and lysophosphatidic acid (LPA) may be involved in hematoma-induced modification of cerebral microcirculation. Pediatr. Res. 39(4): 254A, 1996.

94. Pourcyrous, M, H. Parfenova, **MA Yakubu**, HS Bada, S. B. Korones, and CW Leffler. Cyclic AMP in cerebrospinal fluid of preterm infants with intraventricular hemorrhage/post-hemorrhagic hydrocephalus (IVH/PHH). Pediatr. Res. 39(4): 379A, 1996.
95. **Yakubu, MA**, and CW Leffler. BQ-123 Prevents hematoma-induced modification of cerebral vascular reactivity in newborn pigs. FASEB J. 9(3): A258, 1995.
96. **Yakubu, MA**, and CW Leffler. Cerebral vascular reactivity to 5-HT following Subarachnoid hematoma in newborn pigs. Pediatr. Res. 37(4): 247A, 1995.
97. **Yakubu, MA**, and CW Leffler. Prevention of hematoma-induced modification of cerebral vascular reactivity by ET-1 antagonist in newborn pigs. Pediatr. Res. 37(4): 247A, 1995.
98. **Yakubu, MA**, M. Shibata, and CW Leffler. Effects of indomethacin on the potentiation of responses to endogenous endothelin 1 (ET-1) and leukotrienes C_4 (LTC_4) by hematoma in newborn pigs. FASEB J. 8(4): A, 1994.
99. Kierszenbaum, F., **MA Yakubu**, and S. Majumder. Regulation of Trypanosoma Cruzi infectivity by intracellular calcium ion levels. FASEB J. 8(4): A490, 1994.
100. **Yakubu, MA**, H. Parfenova, M. Shibata, and CW Leffler. Influence of perivascular blood in cerebral vasoreactivity to endothelin 1 and prostaglandin E_2. FASEB J. 7(3): A312, 1993.
101. Hamilton, CA., **MA Yakubu**, E. Jardine, and JL Reid. Desensitization and down-regulation of brain alpha$_2$-adrenoceptors by centrally acting antihypertensive drugs. Abstract presented at the Satellite Symposium to the IV World Conference on Clinical Pharmacology & Therapeutics: Clinical Significance of Receptor Regulation in Cardiovascular and Respiratory Diseases, Essen, West Germany, p. 13, 1989.
102. **Yakubu, MA**, CA Hamilton, and JL Reid. Chronic guanabenz down-regulate alpha$_2$-adrenoceptor in the rabbit brain. Br. J. Pharmacol. 98: 699, 1989.
103. **Yakubu, MA**, CA Hamilton, and JL Reid. Differences in the regulation of [^{3}H] idazoxan and [^{3}H] yohimbine binding sites in the rabbit. Br. J. Pharmacol. 96: 177, 1988.
104. **Yakubu, MA**, C. A. Hamilton, and J. L. Reid. Some effects of amitriptyline and idazoxan on adrenoceptor number in the rabbit brain. Br. J. Pharmacol. 95: 655, 1988.
105. **Yakubu, MA,** Chloroquine concentration in red blood cells of patients with positive parasitamea (*P. falciparum*). Book of abstracts of the 14th Annual Conference of West African Society of Pharmacology. Zaria, Nigeria, 1985.

Invited Lectures:

1. The paradox of environmental poisonous gases: From environmental rotten egg hydrogen sulfide to gaso-therapeutics at the bedside. *13th International Symposium on Recent Advances in Environmental Health Research to be hosted by Jackson State University, September 11-14, 2016 at the Jackson Marriott Hotel in Jackson, Mississippi.*

2. ***Keynote Speaker:*** The Future of Human Environment and Health: Sustainability through Integrated Approach. At the 8th International Conference on Environmental Science and Technology June 6-10, 2016 in Houston, Texas, USA.

3. Dysregulation of Biological Signaling by Mixtures of Emerging Contaminates in Female and Male Rats: 13th International Symposium on Recent Advances in Environmental Health Research Symposium Jackson State University September 11-14, Jackson, Mississippi.

4. Challenges of Cancer Resistance to Chemotherapy: Synthesis, Characterization and Evaluation of Ru_2(Aap)4Cl (a Diruthenium Comples)". Invited Faculty Lecture, College of Veterinary Medicine, University of Ibadan, Nigeria. August 19, 2015.

5. Major Toxicants in Clinical, Industrial & Environmental Settings. Invited Lecture and Workshop Faculty, Department of Chemical pathology, College of Medicine, University of Ibadan, Nigeria. August 16-20, 2015.
6. Profiling and strategic analysis of emerging contaminants. Distinguished speaker Invitation: 12th International Symposium on Recent Advances in Environmental Health Research. The symposium hosted by Jackson State University will be held September 13-16, 2015 at the Jackson Marriott Hotel in Jackson, Mississippi.
7. Herbal Plants in the Management of Diabetes and its Complication. Distinguished Invited presentation: 6th Global Diabetes Summit and Medicare Expo Dubai" (Dubai Diabetes expo) during November 2-4, 2015 at Dubai, UAE hosted by OMICS Group Conferences.
8. Strategies for International Research Collaboration in the Biomedical Sciences, Kogi State University, Anyigba-Kogi State, Nigeria, March 3, 2014.
9. Potential therapeutic targets for stroke and traumatic brain injury. At the 2nd International Conference and Exhibition on Neurology and Therapeutics" (Neuro-2013) during June 17–19, 2013 at Hilton Chicago/Northbrook, Chicago. Conference Theme "Emerging Trends in Neurological Therapeutics"
10. Vasculo-toxic effects of xenoestrogens presented to the Environmental Toxicology Program, TSU, Houston TX, March 28, 2012.
11. Regulation of cerebral and renal microcirculation by acid sensing ion channels: a possible role for PPAR□. Special Invited Presentation: 9th Annual Ion Channel Retreat Hyatt Regency, Vancouver, BC - June 27-29, 2011.
12. PPAR□ and HO-1: Molecular targets for subarachnoid hemorrhage-induced cerebrovascular dysfunction. TSU 2009 Research Week, March 31, 2009.
13. Diabetes and stroke: A disproportionate burden on the minority health in the USA. Health Disparities Affecting Minority Communities: Symposium and Panel of Discussion, April 3, 2008, Texas Southern University, Houston.
14. Malaria Eradication in Northern Nigeria: Early diagnosis, access to treatment, and combination therapy as a rollback/ eradication strategy. A lecture delivered at the 14th Zumunta Association, USA, Inc Annual Convention, Houston July 27, 2007.
15. Cerebrovascular dysfunction: Role of endothelin and inflammation presented at the International Symposium on Inflammation: An Underlying Factor in Several Diseases, September 11-13, 2006, Ibadan, Nigeria.
16. Regulation of cerebral blood flow: Role of subarachnoid hemorrhage and ET-1. Invited Presentation, Texas A&M Health Science Center Irma Lerma Rangel College of Pharmacy, Kingsville, TX. June 13, 2006.
17. Activation of PPAR□ attenuates ET-1 production from cerebrovascular endothelial cell, presented at the ninth International Conference on Endothelin, Park City Utah. September 11-14, 2005.
18. Chagas' disease progress in drug therapy search: A review presented at the TSU College of Pharmacy Center for Cardiovascular Diseases, Houston, May 27, 2005.
19. PPAR□ activation attenuates Endothelin production from cerebral microvascular endothelial cell presented to the Cerebrovascular Research group at the Baylor College of Medicine, Houston, October 22, 2004.
20. Voltage-gated calcium channel in endothelial cells. Presented at the first AABS scientific session, New Orleans April 21, 2002.
21. Ca^{2+} Signals in Cerebral Microvascular Endothelial Cells. UT-Memphis Department of Physiology, October 23, 2000.

22. The Pharmacology of Hemorrhage-Induced Cerebral Vasospasm. Center for Cardiovascular Diseases, College of Pharmacy, Texas Southern University, Houston. March 22, 2000.
23. Action of Endothelin on Cerebral Microcirculation. Department of Physiology and Biophysics Memphis Lecture Series, University of Tennessee, Memphis. February 1998.
24. Pharmacology of ET-1 in the Modification of Cerebral Microvascular Circulation in the Neonate. Newborn Center, Regional Medical Center, Memphis. June 16, 1998.
25. Expression of Cyclooxygenase Message in Newborn pigs. Cardiovascular Renal Center, University of Tennessee Memphis October 23, 1998.
26. Polyamine metabolism and American Trypanosomiasis (Chagas' disease). Department of Physiology and Biophysics Lecture Series, University of Tennessee, Memphis. Memphis, TN. February 1995.
27. Hematoma-induced enhanced cerebral vasoconstrictions to LTC_4 and ET-1 in piglet: role of prostanoids. Cardiovascular-Renal Club, University of Tennessee, Memphis, TN. September 23, 1994.
28. The central control of blood pressure and cerebral vascular reactivity: influence of the imidazol(in)e receptor type(s). Department of Pharmacology and Toxicology, Morehouse Medical School. Atlanta, Georgia. August 5, 1994.
29. Subarachnoid hematoma attenuates vasodilation and potentiates vasoconstriction in piglets. Department of Physiology and Biophysics Lecture Series, University of Tennessee, Memphis, TN. June, 1994.
30. The non-adrenergic [3H]idazoxan binding site. Neuroscience Group, Johnson & Johnson Pharmaceutical Research Institute. Philadelphia, Pennsylvania. April, 1992.
31. The α_2-adrenergic and the imidazole type of receptors. Cardiovascular-Renal Club, University of Tennessee, Memphis, TN. June, 1992.
32. The α2-adrenergic and the imidazoline type of receptors. Department of Physiology and Biophysics Lecture Series, University of Tennessee, Memphis, TN. November, 1992.
33. The imidazol(in)e receptor type(s). Department of Pharmacology, Meharry Medical College. Nashville, TN. December, 1992.
34. [3H]Idazoxan binding: heterogeneity of $\square_2$-adrenoceptor or a novel receptor binding site(s). Department of Materia Medica. Glasgow, Scotland. September 1988.
35. Tricyclic antidepressant therapy: drug level monitoring and patient response to therapy. Clinical Pharmacology Consult Meeting, Stobhill General Hospital. Glasgow, Scotland. March 1986.

TEACHING: **Recent Teaching (Graduate Courses)**

BIOL348 Experiments in Biology
BIOL634 Neurobiology
BIO712 Biosynthetic Mechanism
BIOL775 Bio-Organic Chemistry
ES902 Environmental Toxicology II (Mechanism of Toxic Actions)
ES910 Reproductive Toxicology
ES912 Neurophysiological Basis of Toxicology
ES927 Biomedical Statistics
ES929 Toxicology III
ES930 Biochemistry
ES933 Mutagenesis & Carcinogenesis
ES935 Statistical Aspects of Environmental Risk Assessment /EIA
ES936 Occupational & Environmental Epidemiology
PHS809 Pharmacology – Functional and Receptor Binding Assays (MS/PhD Pharmaceutical Sciences)
PHS898 Pathophysiology (MS/PhD Pharmaceutical Sciences)

Other contributions to the area of teaching

2015 Environmental Forensic: An Integrated Environmental Research - Summer Research Proposal for Home Land Security

2005/2006 Curriculum Development for the MS/PhD Pharmaceutical Sciences COPHS

Graduate Contributions – Theses and Dissertations: Names of students, titles of projects and dates

PhD/MS Students Advised and Graduated

1. Name; **Amoge Uwalaka, MS**
   Title: *Analysis of Retention Pond Water for Heavy Metals and Pesticides in Houston area.* May 2018
2. Name: **Felica Davis, MS**
   Title: Spatiotemporal Patterns of Polycyclic Aromatic Hydrocarbons Contamination in the Houston Ship Channel's Sediment. May 2018
3. Name: **Mounira Mogrem, MS**
   Title: *Paradoxical Regulation of Human Lung Adenocarcinoma Cell Line (H1299) Proliferation by Ethanol Extract of Hydnora Johannes Becc (Kausen Kass) Mediated by Estrogen Recpetor /EGFR/ and/or Protein Kinase C Activation.* May 2018
4. Name: **Toluwani O. Adebayo, MS**
   Title: *Evaluation of antiproliferative and cytotoxic effects of Datura Stramonium (Jegeme) plant leaf extract on human lung adenocarcinoma cell line (H1299);* October 2017
5. Name: **Courtney Blake, PhD**
   Title: *Kolaviron-Induced Inhibition of Lung Adencarcinoma (H1299) cell growth and survival via PKA/PI3K Pathway;* May 2018
6. Name: **Jasmine Turner, MS**
   Title: *Polychlorinated biphenyl's: Environmental problem of the past and present*
   Date: October 2017 Capstone Presentation
7. Name: **Shawn T. Williams, MS**
   Title: *The Trophic Transfer of Microplastics in the Marine Food Web*
   Date: November 2017 Capstone Presentation
8. Name: **Success Irhirhi, MS**
   Title: *Impact and Toxic Effect of Pharmaceutical and Personal Care Products on Aquatic Environmental* June 2016 Capstone Presentation
9. Name: **Naga Naidu**, PhD
   Title: *Synthesis, characterization, and toxicity studies of diruthenium complex.* December 2013
10. Name: **Fatemeh Bidabadi, PhD**
    Title: *Leachate of Bisphenol A from plastic containers depends on degree of use*. December 2013: PhD
11. Name: **Charlotte Baker-Smith, PhD**
    Title: *Hair as an indicator for exposure to pesticides;*April 2009: Thesis Co-Advisor: PhD
12. Name: **Syntia Kwende**,
    Title: *Evaluation of herbal supplement SAABFAT6 for phytochemical constituents; antiproliferation and cytotoxic properties against HT29 colorectal and A549 (alveolar cancer) Cell lines.* April 2015; MS, Environmental Toxicology
13. Name: **Nina Brinkley**, MS
    Title: *Lindane exposure impairs Ca^{2+}-mediated vascular reactivity*. April 2014.
14. Name: **Bhavin Rena**, MS

Title: *Analysis of PAHs and metals in tar-balls from Deep Water Horizon by GC-MS and ICP-MS.* May 2014; MS Chemistry

15. Name: **Chioma Ihemadu, MS**
Title: *Analysis of persistent organic compounds and metals in urine of young adults*. December 2013

16. Name: **Sara Munyu** MS
Title: *Effects of xenoestrogen bisphenol A on renal and vascular function*; December 2012.

17. Name: **Yaje Ngala,**
Title: *Low-level Polychlorinated Biphenyls (PBC) Alters eNOS Protein Expression and Vascular Reactivity of Peripheral and Cerebral Vessels.*; May 2004-012/2006 MS. Environmental Toxicology: **Did not submit Thesis**

18. Name: **Gary Murphy,** MS
Title: *Mechanism(s) of bradykinin-induced relaxation of rat aorta;* August 2003; MS, Biology

19. Name: **José Anibal Torres-Hernández,** *(**Dr. Yakubu** a Major Committee Member)*
Title: *Neurotoxic Response in Astrocytes to Acute Exposure of Simulated Microgravity*; May 2013; PhD Environmental Toxicology

Chief Examiner for MS Pharmaceutical Sciences Students

20. Name**:** **Reem Alshaman**
Title: *Role of NO, ROS, and the kinases that are possibly associated with mTOR induction of autophagy following renal ischemia*; October 30, 2013

21. Name: **Abdullah Alatawi**, MS Pharmaceutical Sciences, October 2013
Title: *Interaction of PPARα, CD36 and Th17 in Ang II- induced hypertension.*

Committee Membership for Graduate Students:

22. Name: **Nissi Abraham,** PhD Environmental toxicology; October 2018: Title: *Effect Of Zoledronic Acid On Transcriptome Of Cell Lines Representing Triple Negative Compared With Luminal Breast Cancer*

23. Name: **Theresa Brown,** MS Environmental toxicology; June 2018: Title: *Role Of PPARγ On NADPH Oxidase And NO/NOS Dependent Modulation Of Inflammation In Acrolein Induced Vascular Toxicity*

24. Name: **Mindy Nguyen**, PhD Environmental Toxicology; January 2017: Title: *Biodegradation of Polyethylene and Functional Polyethylene under Controlled Composting Condition in Soil*

25. Name: **Vivek Mann,** PhD Environmental Toxicology; April 2017: Title: *Tissue and molecular impact of modeled microgravity (Rotary Cell Culture System, Random Positioning Machine) on bone remodeling (HFOB) and analysis of tissue engineering on bone tissue. Relationship of fluid movement in modeled microgravity on Adult Retinal Pigmented Epithelial Cells (ARPE) and Bone Cells.*

26. Name*:* **Loretta T Olamigoke,** PhD Environmental Toxicology; April 2017: *Title: Multifactorial Effects of Biological Response Modifiers and Anti-Neoplastic Induced Immune Cell Activation and Triple Negative Breast Cancer Cell inhibition.*

27. Name **Elvedina Mansoor,** PhD Environmental Toxicology; May 2017: Title: *Synergistic Effects of Prebiotics and Antineoplastic Drug Induced Immune Cell Activation and Lymphoma Inhibition in Modeled Microgravity.*

28. Name: **Te'lisa Johnson-Williams: MS. Biology; May 2017:** *Title: Characterizing select developmental genes associated with Basal-like/ Triple Negative Breast Cancer and other breast tissues*

29. Name: **Shamika Edwards,** MS, Environmental Toxicology; March 2016: Title: *Modification and Adoptions in the Regulatory Scheme Impacts Environmental Toxicity Guidance, Policy and Planning for Graywater Usage in Texas*
30. Name: **Djene Keita,** MS, Environmental Toxicology; March 2015: Title: *Fate and transport of Triclosan in Upper Brays Bayou, Houston, Texas*
31. Name: **Lance Woods,** MS, Chemistry; December 2014: Title: *Effects of temperature on fatty acid analysis using GC/MS*
32. Name: **Uzoma Echeruo,** MS, Chemistry; December 2014: Title: *An Attempt at the synthesis and characterizaton of a diRuthenium complex – DiRuthenium tetra ethyl-4-[(pyridin-3-yl] amino) benzoate chloride - A potential chemotherapeutic drug*
33. Name: **Chakravarthy Koricherla**, MS Chemistry, December 2013: Title:*Synthesis & characterization of ruthenium complex containing hypoxanthine as equatorial ligand.*
34. Name: **Masha Esmaeill,** MS, Environmental Toxicology; December 2016: Title: *Modification of histone induced by Arcrolein in rat vascular smooth muscle cells*
35. Name: **Reem Alshaman**, PhD, Pharmaceutical Sciences; December 2016: Title: *Role of NO, ROS, and the kinases that are possibly associated with mTOR induction of autophagy following renal ischemia,* ***Major Committee Member and Examiner***
36. Name: **Abdullah Alatawi** PhD, Pharmaceutical Sciences; December 2016
    Title: *Role and mechanisms of PPARα, CD36 and Th17 in Ang II- induced hypertension.* ***Major Committee Member and Examiner***
37. Name: **Shere Paris,** PhD, Pharmaceutical Sciences, May 2016
    Title: *Putative roles of soluble epoxide Hydrolase on tumorigenesisand angiogenesis of glioblastoma multiforme*
38. Name: **Rosalin L. Goss,** MS, Environmental Toxicology, December 2016
    Title: *Proton and Fe Ion-Induced Chromosome Aberrations in Epithelial and Fibroblast Cells*
39. Name: **Thao Nguyen**
    Title:
    Date: September 2015- MS, Environmental Toxicology
40. Name: **Dakota Jackson** PhD, Pharmaceutical Sciences, May 2016
    Title: *Putative roles of soluble epoxide hydrolase on tumorigenesisand angiogenesis of glioblastoma multiforme.*

Current Graduate Student in my Lab

Current:	***Dates***		***Candidacy***
Praveen Kumar Relangi	01/2017	MS	Environmental Toxicology
Sekinat Atobiloye	01/2017	MS	Environmental Toxicology
Roseline Eze	01/2017-	MS,	Environmental Toxicology
Pavani Gonabathula	9/2016-	PhD	Environmental Toxicology
Success Irhirhi	08/2016-	PhD,	Environmental Toxicology
Olonade Taylor	08/2016-	MS,	Environmental Toxicology
Chukwunonso A. Anakwue	05/2016-10/2018	PhD,	Environmental Toxicology
Sharline Law	12/2014-	PhD,	Environmental Toxicology
Michelle Davis	10/2014-	PhD,	Environmental Toxicology
Jean Roberts	10/2013-	MS,	Environmental Toxicology
Stella Uwakwem	10/2009-	MS,	Environmental Toxicology

Service to the University, the Profession and the Community: activities, dates

COMMITTEES SERVICE:

2017 –	Faculty Advisory committee
2017-	Faculty Senate Research Committee
2017-2019	COSET Rank, Tenure and Promotion Committee Members
2012-	Chair, Environmental Toxicology Qualifying Examination Committee
2012-	Environmental Toxicology Curriculum Committee
2014-	Ad Hoc Committee on Faculty Workload Committee (COSET)
2012-	Institutional Animal Care and Use Committee (IACUC)
2013-	Faculty Evaluation and Teaching Performance (COSET)
2013-2015	Recognition and Scholarship Committee (COSET)
2012-	Chair, Environmental Toxicology Qualifying Examination Committee
2012-	Environmental Toxicology Curriculum Committee
2014-	Ad Hoc Committee on Faculty Workload Committee (COSET)
2012-	Institutional Animal Care and Use Committee (IACUC)
2013-	Faculty Evaluation and Teaching Performance (COSET)
2013-2015	Recognition and Scholarship Committee (COSET)

Processional and Community Activity:

Society of Toxicology Undergraduate Faculty Advisor 2015
Carnegie African Diaspora Fellowship (University of Ibadan, Nigeria)
Appointed Consultant/USA Host Scholar for Kogi State University April 2014-
USEPA Mentor for student contractor 2014-2015
NSF Panelist 2014 NSF Graduate Research Fellowship Program (GRFP)
NSF Panelist 2013 NSF Graduate Research Fellowship Program (GRFP)

Mentor:	Compact for Faculty Diversity/ Bridges Faculty to the Professoriate: Institute on Teaching & Mentoring
Appointed:	Co-Chair, Vasospasm Signal Transduction Session: 10th International Conference on Cerebral Vasospasm, Chongqing, China, October 8-12, 2009.
Chair and Moderator:	NHLBI 11th Annual Cardiovascular Research Awardees session Nov. 2003 (Orlando, FL)
Member:	Organizing Committee: 6th Global Diabetes Summit & Medicare Expo Nov 02-04, 2015 Dubai, UAE
Chairman;	Organizing Committee AABS Annual Scientific Conference April 11, 2011, Washington DC
Editor:	***BioMed Scientist*** (Official Newsletter of the AABS Inc).
Chairperson:	Scientific and publicity committee (AABS, Inc).
Member:	Board of Trustees (AABS, Inc)
	Vice Secretary (AABS, Inc)
Chairperson:	Editorial Committee (AABS Inc)
Member organizing committee:	2008 Diaspora Health Campaign Week
Member:	International Organizing Committee: International Symposium on Inflammation: An Underlying Factor in Several Diseases, September 11-13, 2006, Ibadan, Nigeria.
Member:	Local Organizing Committee: Nigerian Association of Pharmacists and Pharmaceutical Scientists in the Americas, Inc (NAPPSA) Conference September 14-16, 2007 Houston,

Training

Training/Mentee/ Collaborators

International	**Date**	**Present Position**

Adeolu Adedakpo, DVM, PhD	03/2014-	Lecturer, University of Ibadan, Nigeria
Oyagbemi Adetokunbo, DVM, PhD	03/2014-	Lecturer, University of Ibadan, Nigeria
Olutayo Omobowale, DVM, PhD	03/2014-	Lecturer, University of Ibadan, Nigeria
Olusegun Fagbohun, DVM, PhD	03/2015 -	Lecturer, University of Ibadan, Nigeria
Ishiaq Omotosho, PhD	09/2015 -	Lecturer, UCH, University of Ibadan
Enetimi Idah Seiyaboh, PhD	01/2015-	Rector, Federal Polytechnic, Ekowe. Bayelsa State
Dorcas Wusu, PhD	8/2015-	Lecturer, Lagos State University, Ojo-Lagos
Theresa Onwordi, PhD	8/2015-	Lecturer, Lagos State University, Ojo-Lagos
Olumuyiwa A. Adejumobi, DVM., MVSc,	8/2015	Lecturer, University of Ibadan, Nigeria
Olumide Samuel AJANI, DVM., MVSc,	8/2015	Lecturer, University of Ibadan, Nigeria

Postdoctoral Trainee

Rami H. Nsaif, PhD.	12/2003-01/2006	Research Scientist, Newfoundland, Canada
Joe Pamugo, DVM, MS	06/2001–08/2002	DeBakey HS for Health Profession, Houston
Collin Odogwu	09/2001- 09/2004	Certified Pharmacist

Undergraduate Students

Michael Coker	06-08/2013	Neuroscience, SAM Houston University
Joan Tran	06/2013-06/2015	UTMB Medical Student
Chukwunweike Ezeanyika	06-08/2013	Dept. of Biology
Joanne Omawunmi	06-08/2011	PharmD
Eleanor Ettinoffe	06-08/2011	PharmD
Neth Ndingwan	06-08/2011	PharmD
Ganiat Adamu	06-08/2009	PharmD
Natalie Osagie	06-08/2008	PharmD
Michelle Ross	10/2007-05/2008	PharmD
Adele A. Bailes	10/2007-05/2008	PharmD
Shiva Zangeneh	06-08/2007	PharmD Candidate, Univ. of Houston
Angela Hamilton	06-08/ 2006	PharmD
Richland Moseley	06-08/2006	Graduate, Clark Atlanta University, Atlanta GA
Joyce Butler BS	06-08 2005	BS Biology, TSU
Justine Tanner (late)	06-082005	Late
Ogechukwu Anozie, MS	01/2003–12/2007	PharmD
Mario Kelly, PharmD	06-08 2004	Pharmacist
Margo Henry, BS	06-08/2003	Graduated BS, Environmental Health, TSU
Chima Onyekwelu	01-12/2002	PharmD
Collins Oduogu, MS	06-08/2001	PharmD

CURRENT AREA OF RESEARCH

1. Environmental Analysis of fracking chemicals and byproducts.
2. Instrumental Analysis of Emerging Contaminants of Concern: In single and multiple profiling
3. Autism and Cerebral Palsy: Analysis of samples for metals and signaling molecule alteration
4. Synthesis and evaluation of platinum compounds with thiourea ligands for biological activities
5. Emerging Contaminants of Concern: Environmental and biological consequences
6. Analysis of herbal plants bioactive agents for alternative medicinal activities
7. Analysis of drinking water source for biopharmaceuticals: Evaluation of efficiency of water treatments
8. Regulations of cerebral microcirculation by acid sensing ion channels (ASICs)
9. Differential effects of hydrogen sulfide in the control of cerebral blood flow in aged and young rats

10. PPAR□ neuroprotection in subarachnoid hemorrhage-induced cerebral vasospasm
11. Regulation of cerebral microcirculation by gasotransmitters: NO, CO, H_2S.
12. Cyclooxygenase-2 by products and regulation of cerebral microcirculation.
13. Proteomics and protein profiling in cerebral microvessels of diabetic rats.
14. Cellular and molecular consequences of exposure to polychlorinated biphenyls (PCB).