

CURRICULUM VITAE

- I. a) NAME: ANETOR, John Ibhagbemien
b) DEPARTMENT: Chemical Pathology
c) FACULTY: Basic Medical Sciences
d) COLLEGE: Medicine
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II PRESENT POST: Professor, 01 October 2010 - present

Consultant / Research Collaborator at the Alberta Centre For Toxicology, Cumming School of Medicine, University of Calgary, Canada; April 02, 2021- April 02 2023.

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Head Department of Chemical Pathology, College of Medicine, University of Ibadan – August 01, 2021-

III UNIVERSITY/ HIGHER EDUCATION (WITH DATES)

- (a) University College Hospital Ibadan; Medical Laboratory Science Programme (**AIMLS**) - 1977-1981 (Best Academic Student).
(b) University College Hospital (UCH) /International Institute of Tropical Agriculture, Fellowship Course in Chemical Pathology (**FIMLS**) (now **FCMLS**) (by thesis) (1987-1989)
(c) University of Ibadan, Ibadan- Master of Science (**M.Sc.**) degree in Chemical Pathology- 1990-1991 (Best graduating student; **PhD grade**)
(d) University of Ibadan, Ibadan- Doctoral Studies (**PhD**) in Chemical Pathology- 1992-1997
(e) King's College Hospital, London, U. K.- Certificate Course in Analytical Toxicology- 2014

POSTDOCTORAL TRAINING

Department of Pathology, Osaka City University Medical School (Now Osaka City University Graduate School of Medicine) Osaka, Japan,
Field of study: Toxicology & Chemoprevention, 2005

IV.A FELLOWSHIPS & DIPLOMAS

- a) Associate Membership of the Institute of Medical Laboratory Science (**AIMLS**) in Chemical Pathology, 1981
b) Fellowship of the Institute (now Council) of Medical Laboratory Science of Nigeria (**FIMLS; FCMLS**) in Chemical Pathology , 1989
c) Fellowship of the Institute of Industrial Administrators of Nigeria (**FIIA**), 2010

- d) Fellowship of the Royal Society of Chemistry (**FRSC**) (U.K.), 2013
- e) Fellowship of the Institute of Biomedical Science (**FIBMS**) (UK), 2015
- f) Fellowship of the American College of Nutrition (**FACN**), 2015
- g) Member European Society of Toxicology (**EUROTOX**), 2015
- h) Certificate in Analytical Toxicology, King's College Hospital, London (Cert. Anal. Toxicol., KCH, (Lond.), 2014
- i) Professional Member, American Association of Clinical Chemistry (**AACC**), 2020
- j) Fellowship of the American Academy of Clinical Chemistry (AACC Academy) (**FAACC**) (previously National Academy of Clinical Biochemistry, NACB; **FACB**), 2020.
- k) Fellowship of the Academy of Toxicological Sciences (**Fellow ATS, F-ATS**), 2021
- l) Fellowship of the West African Postgraduate College of Medical Laboratory Science (**FWAPCMLS**), 2021

IV.B SPECIALTY BOARDS CERTIFICATIONS

- Fellow, American Academy of Clinical Chemistry (AACC Academy)
- Professional Clinical Chemist, American Association of Clinical Chemistry (AACC)
- European Registered Toxicologist (**EUROTOX, ERT**)
- Italian Certified Toxicologist (**RENTIC**)
- Fellow/ Registered Biomedical Scientist / Medical Laboratory Scientist
- Fellow, American College of Nutrition (ACN)
- Fellow, Academy of Toxicological Sciences, 2021.

IV.C MAJOR EDITORIAL RESPONSIBILITY

Section Editor for Chemical Pathology, African Journal of Laboratory Medicine (**AJLM**)

Official Journal of the African Society for Laboratory Medicine (**ASLM**), Cape Town, South Africa, 2022

V SCHOLARSHIPS AND PRIZES

- (a) Recipient of the prize for the Best Academic Student at the University College Hospital (UCH), Ibadan for the graduating class of 1980/81 in Medical laboratory Science
- (b) Recipient of the Travelling Fellowship of the Aberdeen Rotary International, Scotland, United Kingdom- for clinical laboratory attachment at the division of Laboratory Medicine, Aberdeen Royal Infirmary and visit to the Rowett Research Institute-1995
- (c) African delegate/ Recipient of the fellowship of the International Union of Pure and Applied Chemistry (IUPAC)/ the Scientific Committee on Problems of the Environment (SCOPE) of the United Nations (U.N) to participate in the International Symposium on Endocrine Active Substances, November 17-21, Yokohama, Japan, 2002
- (d) Recipient of a Fellowship (**Post-Doctoral Fellowship**) to study Chemical Carcinogenesis; Low grade Arsenic Toxicity and Chemoprevention at the Department of Pathology, Osaka City University Medical School, Osaka, Japan; 2 semesters (2005), under Professor Shoji Fukushima, MD, PhD
- (e) Recipient of the Travel Fellowship of the International Association of Environmental mutagens in Human Populations to attend its 5th International conference in Antalya, Turkey, May 20th- 24th 2007
- (f) Two time Recipient of the Gordon Research Conferences (GRC) travel fellowship 2007 & 2008 to attend the Conference on Genetic Toxicology, Magdalene College, Oxford.
- (g) Recipient of the International Union of Toxicology (IUTOX)/ Society of Toxicology (SOT)/ AstraZeneca Travel Fellowship for 2013 to attend the 52nd Annual Meeting of SOT, at San Antonio Texas, USA, March 10- 14, 2013
- (h) Recipient of the C. P. Stuart Memorial Fund of the Association of Clinical Biochemistry and Laboratory Medicine (ACB) of the United Kingdom to be a Visiting Fellow at the Toxicology Unit of King's College Hospital, London, August to October, 2014.
- (i) Recipient of the Southern African Training Academy travel fellowship to attend the first International Conference on Clinical trials and innovative therapeutics. July 2017.
- (j) Recipient of the scientific Education Alliance phage (SEA Phage) Discovery Workshop
Travel grant. University of Maryland Baltimore County (UMBC) 23rd till 29th June 2018.

VII HONOURS, DISTINCTIONS AND EDITORIAL RESPONSIBILITIES

- (a) Best M.Sc. student (Top of the graduating M.Sc. class) 1991
- (b) Participated with distinction in an intensive course in Clinical Laboratory Medicine at the Grampian Health Board, University of Aberdeen Medical School, Scotland, U.K. 1990

- (c) Editorial adviser to the Editorial board of the Nigerian Society for Experimental Biology (NISEB) Journal, 2001

- (d) Member, Editorial board of African Scientist, 2007
 - (e) Member, Editorial board of African Journal of Environmental Science and Technology, 2008
 - (f) Member, Editorial board of Journal of Pediatric Biochemistry (Turkey), 2012
 - (g) Section Editor- Chemoprevention/ Toxicology/ Oxidative Stress ' Archives of Basic and Applied Medicine
 - (h) Member, Editorial board of African Journal of Biomedical Research (AJBR) 2015 to date
 - (i) Reviewer of manuscripts for several Editorial Boards both locally and internationally including:
 - (i) African Journal of Medicine and Medical Sciences, 2004- date
 - (ii) African Journal of Biomedical Research, 2003- date
 - (iii) Journal of the National Medical Association (JNMA) (USA)-2002 till date
 - (iv) European Journal of Clinical Nutrition, 2005
 - (v) Toxicology, 2006
 - (vi) Biological Trace Element Research (BTER), 2007 to date
 - (vii) Saudi Journal of Medicine, 2009.
 - (viii) Cancer Letters, 2005
 - (ix) Member, Advisory Board, Annals of Medical Laboratory Science, 2020- date
 - (x) Member, Editorial Board, African Journal of Environmental Health Sciences, 2020- date
 - (xi) Science of the Total Environment, 2007
 - (xii) Pan African Medical Journal, 2008
 - (xiii) Examinations Guarantor in M.Sc Biomedical Sciences, University of Ulster, U.K., 2010
 - (xiv) Human and Experimental Toxicology, 2009
 - (xv) Toxicology and Industrial Health, 2012
 - (xvi) Nigerian Journal of Physiological Sciences 2004- present
 - (xvii) Springer Nature Applied Sciences, 2020
 - (xviii) Canadian Journal of Kidney Health and Disease, 2020
- (j) Received a plaque for a distinguished service to the International Institute of Tropical Agriculture (IITA) for outstanding performance in Clinical Pathology/ Laboratory Medicine; and a Consultant in clinical laboratory services to the Institute 2000- 2004.
 - (k) Granted a certificate of excellence for outstanding performance and lasting contribution as a reviewer for the Journal of the National Medical Association (USA) 2004
 - (l) Treasurer of the Association of Clinical Chemists of Nigeria (ACCN) 2003 to 2007
 - (m) Recipient of Senate Research Grant (SRG) – 2000.
 - (n) Recipient of the National Universities Commission (NUC) travel fellowship
 - (o) Two time recipient of the TETFUND travel grant
 - (p) Appointed Honorary Consultant Chemical Pathologist to the University College Hospital (UCH) Ibadan, Nigeria, 2006; later designated. Specialist Adviser in Chemical in Chemical Pathology
 - (q) Life member Environmental Mutagen Society of India (EMSI), 2009

- (r) Visiting Scholar at the Department of Cancer Studies and Molecular Medicine University of Leicester, U.K. 2011
- (s) Visiting Scholar Department of Pathology (Clinical Chemistry Division), University Of Texas Medical Branch, Galveston, Texas, 2012
- (t) Vice Chairman University College Hospital (UCH) Research Committee, 2012.
- (u) Chairman Forum of Ibadan Toxicologists (FIBATOX), 2012 till 2020.
- (v) Member, Administrative Committee of the University of Ibadan, Multidisciplinary Central Research Laboratory (MCRL), 2014- present
- (w) Pioneer Adviser to the West African Society of Toxicology (WASOT), 2012 to date
- (x) Adjunct Professor, Department of Chemical Pathology & Immunology, Olabisi Onabanjo University, Ago- Iwoye, Ogun State, Nigeria- 2012
- (y) Editor-in- Chief designate, African Journal of Laboratory Medicine & Biomedical Research
- (z) Member, Committee on Traceability in Laboratory Medicine (C-TLM) of the Scientific Division (SD) of the International Federation Clinical Chemistry and Laboratory Medicine (IFCC) (representing Africa) , 2015 to date (2020)
- (aa) Chair designate African Federation of Clinical Chemistry (AFCC) Committee on Traceability in Laboratory Medicine (C-TLM), 2019
- (bb) Member, National Universities Commission (NUC) accreditation team for Basic Medical Sciences.

Member, National Committee on Guidelines for Establishment of a Medical Laboratory; Medical Laboratory Science Council of Nigeria (MLSCN)

- (za) Assessor for the African Society of Laboratory Medicine (ASLM)
- (zb) Member, National Health Research Ethics Committee (N-HREC), a Statutory Committee of the National Health Act-2014 (2017-date)
- (zc) Principal Consultant to the Federal Government (Federal Ministry of Health) on the National Lead Poison Elimination, Treatment and Strategic Intervention Scheme, January, 2017
- (zd) Awarded a ‘Certificate of Recognition’ at the First International Conference on Clinical Trials and Innovative Therapeutics of the Southern African Training Academy (SATA), Cape Town, 2017 for Outstanding Keynote lecture and oral Presentations.
- (ze) Visiting Scholar, Department of Environmental Health Sciences, Robert Stempel College of Public Health and Social Work, Florida International University, Miami Florida. May 15th to June 15th 2018.
- (zf) Co Investigator in the ‘Role of Triclosan in the Severity of Asthma in Nigerian and Ghanaian Children. A platform Tool for potential prevention grant.
- (zg) Corresponding Member, International Task Force on New Born Screening, International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), 2021.

LEARNED SOCIETIES

- (a) Association for Clinical Chemistry (AACC) (USA) (1982)
- (b) Institute of Biomedical Science (U.K.)
- (c) Association of Clinical Chemists of Nigeria (ACCN)
- (d) Association of Medical Scientists of Nigeria,
- (e) Nigerian Institute of Biology
- (f) Nigerian Society for Experimental Biology (NISEB)
- (g) Japanese Cancer Association (JCA).
- (h) Pioneer Member & Adviser, West African Society of Toxicology (WASOT), 2011 to date
- (i) Member, Society of Toxicology (SOT), United States of America
- (j) Member, Association of Clinical Biochemists (ACB), United Kingdom, 2012 – present
- (k) Member, German Society of Minerals and Supplements
- (l) Fellow, Royal Society of Chemistry, United Kingdom (FRSC)
- (m) Fellow, American College of Nutrition (FACN), 2015

- (n) Member, Immunotoxicology Specialty Session (ITSS) of Society of Toxicology (SOT)
- (o) Member, International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT), 2020
- (p) Member, Alberta Society for Human Toxicology (ASHT), 2020
- (q) Fellow, American Academy of Clinical Chemistry (FAACC), 2020

ADVISOR

National Adviser in Toxicology

NATIONAL AND INTERNATIONAL SERVICE

John Anetor has served the nation and the international community in several capacities. He was a member of National Committee on the removal of lead from Nigeria's gasoline, sponsored by the World Bank and Exxon Mobile. His presentation at the conference is incorporated into the working Paper No. 6 on the Clean Air Initiative in Sub-Saharan Africa. He is currently, a Lead (Principal) Consultant to the 'National Lead Poison, Elimination, Treatment and Strategic Intervention Scheme' of the Nigerian government (Federal Ministry of Health). John Anetor was also a member of the team at the University College Hospital, Ibadan who investigated the 'mysterious' disease, Ode- Irele methanol poisoning in Ondo State. He is a member of the National Research Ethics Committee of the National Health Act. He was in 2015 invited to be a member of the team of reviewers of the Olusegun Obasanjo Presidential Library book project, 'Towards a New Dawn for the Health Sector in Nigeria post 2015' by the coordinator Professor O. O. Akinkugbe, FAS, CFR. Professor John Anetor is an external examiner and assessor for the Professorial cadre for almost all leading Nigerian universities and the University of Zimbabwe. He has been awarded the National Universities Commission (NUC) travel fellowship and is a member of the NUC accreditation team. He has been a member of the Central Faculty of Basic Medical Sciences Conference Organizing Committee for over five years and the Chairman of the 2016 & 2018 Scientific Sub-Committee. He is currently a member of

the Appointment and Promotion Panel of the College of Medicine of the University of Ibadan. He was a former Co-ordinator of Programme Studies in the Department of Chemical Pathology, University of Ibadan. He has been a member of the Academic Board of the College of Medicine for over one decade; Member of the Senate of the University of Ibadan and served as a member of the University Ibadan Senate Curriculum Committee, Member of the Management Committee of the Multidisciplinary Central Research Laboratory (MCRL). He is the Chairman of the Forum of Ibadan Toxicologists (FIBATOX) and Head of the Toxicology & Micronutrient Metabolism Unit of his department. He is a foundation member of the West African Society of Toxicology (WASOT). Professor Anetor is the Vice-Chairman of the University College Hospital (UCH) Research Committee. He is the pioneer editor designate of the African Journal of Laboratory Medicine and Biomedical Research, based in the Southern Africa Training Academy (SATA) located in South Africa. He represents Africa on the Committee on Traceability in Laboratory Medicine (C-TLM) of the Scientific Division (SD) of the International Federation of Clinical Chemistry and Laboratory Medicine. He was a member of the Committee on the National Guideline for Setting up a Medical Laboratory. John Anetor was admitted a life member of the Environmental Mutagen Society of India (EMSI) after an invited paper he delivered at the 34th Annual Meeting and International Symposium on Molecular Basis of Human Disease- Rising Environmental Cadmium Levels in Developing Countries: Threat to Genome Stability and Health. On the basis of his contribution to industrial and environmental health he was admitted an honorary Fellow of the Institute of Industrial Administrators of Nigeria (IIIA). He is the current (2017-2020) Chairman of the College of Medicine Postgraduate Committee, University of Ibadan, Ibadan, Nigeria. John Anetor has travelled widely and won several awards and international travel grants.

Appointments:

- (1) Medical Laboratory Scientist- in-charge, Pathology Department, Benoni Hospital, Benin-City, Nigeria (1982-1984).
- (2) Manager, (Laboratory Services Officer), Medical Centre, International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria (1984-1998).
- (3) Lecturer (now Professor of) Chemical Pathology, Faculty of Basic Medical Sciences, College of Medicine, University of Ibadan, Ibadan, 1998 to date
- (4) Professor of Chemical Pathology, School of Clinical Medicine, Igbinedion University, Okada, Nigeria (2008- 2010) (sabbatical leave)
- (5) Adjunct Professor of Chemical Pathology & Immunology, Olabisi Onabanjo University, Ago-Iwoye, 2013 to 2017.
- (6) Head, Department of Biomedical Laboratory Science, College of Medicine, University of Ibadan, Ibadan, Nigeria. August 2015 – July, 2019.
- (7) Visiting Professor / Researcher, Alberta Centre For Toxicology, Department of Physiology & Pharmacology, Cumming School of Medicine, University of Calgary, Canada (October 01- 2019- April 01 2021)

- (8) Consultant/ Research Collaborator, Alberta Centre for Toxicology, Cumming School of Medicine, University of Calgary, Canada

Membership of Scientific Committee (Recent)

- Member, AACC Academy Point of Care Testing (POCT) on Reproductive Guidelines
- Member, Planning Committee, International Association of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT) 2020 18th Congress
- Member, Abstract Review Committee International Association of Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT) 2020 18th Congress
- Member, International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) Task Force on Global Newborn Screening (TF- NBS)
Joint Task Force of IFCC & International Society for Newborn Screening (ISNS)

VIII. DETAILS OF TEACHING EXPERIENCE AT UNIVERSITY LEVEL:

(a) Undergraduate Lectureship:

Part-time lecturer to 300 and 400 level students of Chemical Pathology at the University College Hospital, Ibadan 1989-1998

Examiner in Chemical Pathology to the Institute of Medical Laboratory Science of Nigeria for its professional examination 1998-date

Full-time lectureship to the Following categories of students in Chemical Pathology (Clinical Chemistry, Clinical Biochemistry) 1998-date

- (i) MBBS (Medical) students 400 and 500 levels.
- (ii) BDS (Dental) students 400 and 500 levels.
- (iii) BMLS (Medical Laboratory Science) students 300 to 500 levels.

Areas of Teaching:

- General and Basic Chemical Pathology.
- Nutritional and Metabolic Disorders including nutrigenomics
- Micronutrients (Vitamin and Mineral) Metabolism.
- Disorders of Protein Metabolism.
- Inborn errors of metabolism
- Amino Acid and intermediary metabolism
- Nucleic Acid Metabolism
- The Liver in Health and Disease
- Antioxidants in Health and Disease.
- Toxicology – clinical & environmental aspects
- Assessment of organ function
- Laboratory Reports (Interpretation of lab reports)

Undergraduate Project Supervision:

- At least thirty-five (35) projects have been supervised.

Postgraduate Supervision: Over 26 MSc project and 11 PhDs.

IX RESEARCH:

Current Research projects:

- Electronic and electrical waste and cancer
- Oxidative stress and non-communicable disease
- Environmental pollution and birth defects
- Chemical carcinogenesis
- Chemical exposure and neurotoxicity
- Environmental chemical exposure and immune function (immunotoxicology)
- Nutrient- toxicant interaction

- Gene- environment interaction

- Metal toxicity and its relationship to microbial infection, disease severity and progression.

- Prevalence of birth defects in the polluted Niger Delta Region of Nigeria and modulation by genetic and nutritional factors.

- Investigation of the health effects associated with common cooking fuels in the general population in Nigeria.

- Study of the constituents and bimolecular responses to a common household insecticide in Nigeria.

- The Alberta Biomonitoring Programme (ABP) (2013-2016) – Interpretation.

Dissertation and Thesis

- (i) Cadmium Status and Associated Disorders: A Study on Cigarette Smokers – Fellowship (FIMLS) Thesis 1989.
- (ii) Copper Status and Its relationship to Cholesterol and Uric Acid Level in Healthy and Hypertensive Nigerians – M.Sc. Thesis 1991.
- (iii) An Evaluation of the Nutritional, Metabolic and Immune Status in Occupational Lead Toxicity – Ph.D. Thesis, 1997.

12. Postgraduate Students Mentored

The postgraduate students that I have fully or co-supervised:

a. M. Phil. & PhDs:

- Elizabeth Bolajoko, PhD (University of Ibadan) (2012) ‘Ameliorative Role of Selected Micronutrient Supplements on Oxidative Stress and Wound Healing in Diabetic Rats and Type 2 Diabetics’.
- Ikechukwu Ikaraocha, PhD (Igbinedion University, Okada) (2012) ‘Interaction of Lead with some Micronutrients in Maternal and Cord Blood: Effect on Pregnancy’
- John Ogunbileje, PhD (University of Ibadan) (2013) Cement Dust–Induced Immunotoxicologic and Cellular Responses’
- Nancy Aboh , PhD (University of Ibadan) (2014) ‘Pattern of Thyroid Autoantibodies, Essential and Toxic Trace Elements in Various Thyroid Disorders’
- Chukwuma, Okafor PhD (Olabisi Onabanjo University, Ago- Iwoye) (2015)

- Ayanbola Iyanda , PhD (2013) Effect of Co-Administration of Acetaminophen and Methionine on Micronutrient Metabolism
- Segun Adeola, PhD (2016) Antioxidant Status and Selected Toxic Metal Levels in Elderly Nigerians with Dementia
- Olulope Ajayi, PhD (University of Ibadan) (2016) The Relationship of Endocrine Disruptors with Pituitary, Gonadal, Thyroid Hormone and Selected Receptors in Nigerian Women with Breast Cancer’
- Adebayo Ambali, PhD (Olabisi Onabanjo University, Ago- Iwoye) (2017) ‘Evaluation of Surrogate Biochemical Markers of Type -2 Diabetes Nephropathy in South West Nigeria’
- NWOBI Nnenna Linda (2018) Mat. No: 139546 - ‘ Early Predictive Markers and Model of Lead- Induced Neurotoxicity in School Children Ibadan, Nigeria’
 - IGHARO Osaretin Godwin (2018) Mat. No: 173047 ‘Toxic Metals, Cancer Risk and Genotoxicity Biomarkers in Humans Exposed to Electronic Waste in South Western Nigeria.’

- Bola Ogiogwa, M. Phil. (University of Ibadan) (2016). The Effect of Maternal Serum and Breast Milk Levels of Cadmium and Lead on Infants’ Anthropometric Indices’

b. M. Sc.

- Enitiameh Orimadegun, M. Sc. (University of Ibadan) (2002) 'Serum Iron and other Risk Factors for Coronary Heart Disease in Nigerians'.
- Ikechukwu Ikaraocha, M.Sc. (University of Ibadan) (2002) 'Skin Surface Lipids in Nigerians with Acne Vulgaris'
- John Okwara, M. Sc. (University of Ibadan) (2003) 'The Pattern of Biochemical Tests in Four Nigerian Teaching Hospitals and the Profile of Some of the Parameters in Hypertension'
- Olubunmin Giwa, M.Sc. (University of Ibadan) (2004) 'Selected Biochemical Profile in Blount's Disease.
- Adeosun, Oyebola Ganiyu, M. Sc. (Olabisi Onabanjo University, Ago- Iwoye) ' Urinary Excretion of Some Metabolites in Type – 2 Diabetics at Ile-Ife'
- Ngozi Adeleke, M. Sc. (University of Ibadan) (2006) 'Decreased Antioxidant Status in Pregnant Women on Iron Sup Supplements'.
- Tahir Tunde Anifowoshe, M. Sc. (Ambrose Alli University, Ekpoma) 'Antioxidant Status and its Dynamics in Malnourished Children on Iron Supplements in Ibadan'
- Patrick Okpara, M. Sc. (University of Ibadan) (2006) Micronutrients and Urate in the Stress Signaling Pathway: A Role in Blood Pressure Dynamics in Hypertensives'.
- Emmanuel Oloto, M.Sc (University of Ibadan). (2007) 'Effect of Formaldehyde Exposure on the Liver Among Mortuary Workers I South Western Nigeria'
- Donald Udah, M. Sc. (University of Ibadan) (2007) Gamma- Transpeptidase Levels in Mixed Chemical Exposure: Implications for Mutagenesis and Neoplastic Events'
- Sunday Adunmoh, (2007) M. Sc. (University of Ibadan) . Decreased Ionized Calcium Inorganic Phosphate and increased Alkaline Phosphatase and its Isoform in Occupational Mixed Chemical Exposure'

- Patricia Tawari, M.Sc. (University of Ibadan) (2009). ‘Cadmium Level in Pregnancy: Influence on Neonatal Birth Weight and Possible Amelioration by Some Essential Trace Elements’

- Emmanuel Ayita, M.Sc. (University of Ibadan) (2011) ‘Cadmium Level Glycaemic Control and Predictive Indices of Renal Function in Treated Type -2 Diabetic Patients’
- Yaqub Suraj, M.Sc. (University of Ibadan) (2008) ‘Arsenic Level and Some Nutritionally Elements in Prostate Cancer Patients’

- Banke Amoo, M.Sc. (University of Ibadan) (2012) ‘Evaluation of Iron Status in Pre-and Post- Malaria Treatment in Children’

- Esther Diala, M. Sc. (2012) (University of Ibadan) ‘Interaction Between Serum Iron and Manganese in Pregnant Women on Iron Supplements : Implications for Mitochondrial Function’

- Temidayo Olamide Adigun, M.Sc. (University of Ibadan) (2015) ‘Urinary Phenol and the Levels of Haem, Copper, Iron, and Zinc in Gasoline Dispensers in a Sub-Urban Nigerian Town: Implications for the Haemopoietic System’

- Foluke Atinuke Fashola, M. Sc. (University of Ibadan) (2012) ‘Serum Iron Level, Oxidative DNA Damage and Risk of the Cervix in Nigerian Women’

- Elizabeth Olubukunmi Adebolu, M.Sc. (University of Ibadan) (2014) ‘BloodLead Levels in Stunted and Non-

Stunted Children in Ibadan, South Western Nigeria.’

- Fumbi Fakunle, M.Sc. (2014) (University of Ibadan). ‘Toxic Responses of Cytoprotective Nutrients and Mechanisms in Health Workers Occupationally Exposed to Chemicals and Drugs in a Nigerian Hospital’
- Nurudeen Adeniyi, M. Sc. (University of Ibadan) (2014). ‘Assessment of Humoral Immune Status I Welders and Cement Bock Moulders in Ogbomosho, Nigeria’.
- Adeboye, Ibrahim Kolawole M.Sc. (University of Ibadan) (2014) ‘Immune System in some Hospital Workers Occupationally Exposed to Mixed Chemicals and Drugs in a Nigerian Hospital’
- Adeniji Adekoga, M.Sc. (University of Ibadan) (2016) ‘Total Blood Mercury, Serum Folate, Vitamin B12, and Albumin Levels in Cement Handlers: Significance for Biological Methylation’.
- Ige John, M. Sc. (University of Ibadan) (2019) ‘ Level of Arsenic , Selected Trace Elements and Antioxidant Status in Male Wistar Rats Exposed a Common Insecticide’
- Diekola, Uswat Opeyemi, M.Sc. (University of Ibadan) (2021) ‘ Plasma 8-Hydroxydeoxyguanosine , 4-Hydroxynonenal and Selenium in Hepatitis B Virus Infected Adults in Ibadan, Nigeria.

14. PUBLICATIONS:

(a) **Books and/ or Articles in Books**

Agbedana, E.O., **Anetor, J.I.** (2006) Urinalysis In Clinical and Laboratory Medicine. John Archers Publishers, Ibadan, Nigeria

X (a) PUBLICATIONS:

1. **Anetor JI**, Adeniyi FAA. (1998): Decreased Immune Status in Nigerian Workers occupationally exposed to lead. African Journal of Medicine and Medical Sciences 28: 169 – 172.
2. **Anetor JI**, Adeniyi FA.A, Taylor GOL (1999): Biochemical Indicators of Metabolic Poisoning Associated with lead –based occupations in nutritionally disadvantaged communities. African Journal of Medicine and medical Sciences; 28: 9 – 12.
3. Adeniyi FAA, **Anetor JI** (1999): Lead poisoning in two distant states of Nigeria: an indication of the Real size of the problem. African Journal of Medicine and Medical Sciences 28: 107 – 112.
4. **Anetor JI**, Adeniyi FAA, Taylor GOL (1999): The relationship of copper to cholesterol and socio economic class in Nigeria Nigerian Journal of Nutritional Sciences 20: 14-21.
5. **Anetor JI** (2000): Education in Micronutrient in Primary Health Care as prophylaxis for environmental pollution and disease. Benin Journal of Educational Studies 14:1-8.

6. **Anetor JI**, Akinpelu O, Adeniyi FAA (2000). Urinary creatine as a biomarker for depressed spermatogenesis in lead workers. Bioscience Research Communication 13:773-778.
7. **Anetor JI**, Adeniyi FAA (2000): Lead poisoning in Africa: A silent Epidemic. African Scientist 1:249-256.
8. **Anetor JI**, Adeniyi FAA, Taylor GOL (2001): Relationship between lead and nutritionally essential metals in Nigerian lead workers. Bioscience Research Communications 13:765-772.
9. **Anetor JI**, Adeniyi FAA (2001): Cadmium Status in Nigerian cigarette smokers. African Journal of Biomedical Research 4:23-26.
10. Babalola OO, **Anetor JI**, Adeniyi FAA (2001): Amelioration of carbon tetrachloride hepatotoxicity by terpenoid extract from leaves of veronia amygdalina. African Journal of Medicine and Medical Sciences 30:91-93.
11. **Anetor JI**, Adeniyi FAA (2001): Antioxidant status in occupational lead Toxicity in Nigeria Biokemistri 11: 1-7.)
12. **Anetor JI**, Babalola OO, Lawanson O (2001): Assessment of the risk of organophosphate poisoning in Nigerian Agricultural workers. Nigerian Journal of Environmental Resources Management. 1: 84-88.
13. **Anetor JI**, Babalola OO, Alonge TO, Adeniyi FAA (2001): Bone metabolism in occupational lead toxicity: Implications for polluted environments in developing countries. Nigerian Society for Experimental Biology (NISEB) Journal 1: 273-280.
14. **Anetor JI**, Agbedana EO (2001): Micronutrient intake in Africa. African Scientist 2: 101-110.
15. **Anetor JI** (2001): High blood lead levels in the general Nigerian Population: Causes and implications The World Bank Working Paper No. 6: Clean Air initiatives in Sub-Saharan cities in Africa. National Conference on the phase-out of lead. World Bank, Washington DC 20344, pp. 27-37(Washington, USA)
16. Ajose OA, Fasubaa OB, **Anetor JI**, Adelekan DA, Makinde NO, (2001): Serum copper and zinc levels in pregnant Nigerians. Nigerian Postgraduate Medical Journal 8: 161-164.
17. **Anetor JI**, Adeniyi FAA, Taylor GOL (2002): Neurotoxic implications of some biochemical changes in lead workers. African Journal of Medical and pharmaceutical Sciences. 6:33-39.
18. **Anetor JI**, Adeniyi FAA, (2002): Cadmium Status and the risk of bone disease in Nigerian Cigarette smokers. Bioscience Research Communications 14: 665-671.

19. **Anetor JI** (2002): Serum uric acid and standardized urinary protein as reliable bioindicators of lead nephropathy. African Journal of Biomedical Research 5:19-24.
20. **Anetor JI**, Babalola OO, Akingbola TS, Adeniyi FAA (2002): Observations on the haemopoietic system in tropical lead poisoning. Nigerian Journal of Physiological Sciences. 17: 9-15.
21. **Anetor JI**, Babalola OO, Adeniyi FAA (2002): Simple biochemical markers for the early detection of chronic lead intoxication. Biokemistri 12:115-125.
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132. Iyanda A, **Anetor JI** (2018) Biomarkers of Hepato-renal damage of fuel filling station attendants using or abstaining from use of protective gears. *Annals of Clinical Chemistry and Laboratory Medicine* 3: 15-21.
- 133 . Michael O.S. , Raifu M.K. , Ajayi A.M. , **Anetor J. I.** , Alonge, T.O. , Falade, C.O. , Ademowo, O.G.. (2018) Outbreak of methanol poisoning at a rural community in Southwest Nigeria: Results of laboratory analysis. *Afr. J. Med. Med. Sci.* (in press)
134. **Anetor, J. I.**, Oloruntoba, E. O., Ana, G. R. E. E. , Okareh, O. T., Lateef, S., Akinsete, S. J., Hamed, T. B., Adejumo, M., Sridar, M. K. C., Orunmuyi, M. T. (2019) . Nigerian environment and health security: current issues and projections to year 2050. *Afr. J. Med. med. Sci.* 48: (Suppl.1) 48: 26 -36.

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141. **Anetor, J. I.**, Anetor, G. O (2020) Chemoprevention: a promising prophylaxis to risk of leukemia in polluted environments and indication for creative health education. *J. Oncology Research and Therapy* 5:1092.
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144. **Anetor JI**, Anetor GO, Igharo OG, Afolabi M. Scientific integrity and honesty. In: **Anetor JI**, Igharo OG (eds.). *Biomedical Explorer: A Textbook of Biomedical Research Innovation*. University of Lagos Press (Accepted).
145. Ige JO, Gbadegesin MA, Olugbami JO, Adegoke JM, Odunola OA, Anetor GO, **Anetor JI** (2020). A common insecticide-induced oxidative stress in Wistar Rats: significance for humans and implications for nutritional modulation of insecticide toxicity. *Journal of the American College of Nutrition* . 40: 608- 616.

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151. **Anetor JI**, Adigun TO, Bolajoko E B, Anetor GO, Orimadegun BE, Igharo OG, Akiibinu MO, Iyanda A, Ademola- Aremu O, Uche ZC (2022). Deranged hemebiosynthetic pathway in gasoline dispensers in Nigeria: Implications for risk of myeloproliferative disorders and chemoprevention. *American Journal of Biopharmacy and Pharmaceutical Sciences* 2: 1- 10/

152. **Anetor JI**, Uche ZC, Anetor GO (2022). In pursuit of incorporation of markers of oxidative stress in traditional biochemical panels in clinical chemistry: a risk assessment step in diagnosis and biotherapy. *American Journal of Biopharmacy and Pharmaceutical Sciences* (in press).

153. Nwobi NL, Nwobi JC, Ogunbona R, Adetunji AO, **Anetor JI** (2022). Erythrocyte acetylcholinesterase as a biomarker of environmental lead exposure . In: Preedy VR, Patel VB (eds). *Biomarkers in Disease: Methods, Discoveries and Applications- Biomarkers in Toxicology*. Springer (in .

154. Nichols JH, Ali M, **Anetor J**, Chen L-S, Chen Y, Collins S, Das S, Devaraj S, Fu L, Karon BS, Kary H, Nerenz RD, Raj NJ, Shajawi-Yi Z, Thakur V, Wang S, Yu H-Y E, Zamora LE (2022) AACC Guidance Document on the Use of Point-of- Care Testing in Fertility and Reproduction. *J Appl Lab Med* 7: 1202- 1236.

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examination of the total picture and implications for human health. *Front. Physiol.* 13: 931386. Doi 10. 3389/phys.2022. 931386

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CONFERENCES & FURTHER COURSES ATTENDED

- 1 **Anetor J.I** (1999). Education in Micronutrient intake in primary health Care as a prophylaxis for Environmental pollution and disease. Educational Institutional-Based Primary Health Care (PHC) in developing Countries. An International Conference on Primary Health Care, Institute of Education, University of Benin, Benin City Nigeria
- 2 **Anetor J.I.**, Babalola O.O., Alonge T.O., Adeniyi F.A.A. (2000) Bone Metabolism in occupational lead toxicity: Implications for polluted environments in developing countries. First Biennial Conference of the Nigerian Society for Experimental Biology
Theme: The Environment and Human Degenerative Diseases. Ilorin, Nigeria September 6-9. Book of Abstracts (NO A 020), pp. 9-10.
- 3 **Anetor J.I**, Oyeleye, A.O., Ige, O., Ojo, P.O. (2001) Plasma antioxidant status in adult Nigerian asthmatics: Implications for prognosis. The Nigerian Association of Clinical Chemists, Scientific Conference 6th-7th September, National Hospital Abuja ;Program/Book of Abstracts.p.19
- 4 **Anetor J.I.**, (2001). Micronutrient deficiency disorders: An unsung pandemic and the laboratory's role in developing countries *Ibid* p.18
- 5 **Anetor J.I.**, Adeniyi, F.A.A (2001) Molecular epidemiology: a better approach for the early detection of pathophysologic response to environmental pollution and disease. 22nd Conference of the physiological Society of Nigeria, held at the Conference Centre University of Ibadan 12th – 13th Sept. 2001. Book of Abstract.p.7
- 6 **Anetor, J.I.**, Babalola, O.O. Akingbola, J, Adeniyi, F.A.A (2001) Observations on the haemopoietic system in tropical occupational plumbism and implications for our increasingly polluted environment. *Ibid* p.10
- 7 **Anetor, J.I.**, Adeniyi, F.A.A., Taylor, G.O.L., Agbedana E.O. (2001). Nutritional Factors Modulating Vulnerability of the population to the adverse health effects of the environmental pollutant –lead. Faculty of Science, Lagos State University, Second Annual Faculty Conference.
Theme: Food and Environment in the New Millenium ,MBA auditorium, Lagos State University Main Campus, Ojo, Lagos 1st – 3rd November, 2001, Book of Abstract p.22

- 8 **Anetor, J.I.**, Adeniyi, F.A.A. (2002). Excessive environmental lead, immune status, susceptibility to malaria and the roll back malaria initiative. Second Biennial Conference of the Nigerian Society of Experimental Biology, Circular Hotel, Ilorin, 19-22nd February, 2001. Book of Abstracts pp.14-15.
- 9 **Anetor J.I.**, Babalola, O.O., Akingbola T. Adeniyi, F.A.A. (2002). Metabolic and nutritional consequences of excessive environmental lead exposure: Implications for sickle cell disease management: Ibid- Book of Abstracts pp.14-15.
- 10 **Anetor, et al.** (2002). Elevated blood lead level, antioxidant status and the risk of rapid ageing and greater susceptibility to infection in the general Nigerian population. Third International Conference of the Society of Free Radical Research – Africa, 8-11th October, Cape Town, South Africa. P 28
- 11 **Anetor, J.I.**, Babalola, O.O., Adeniyi, F.A.A. (2002). National development, environmental pollution, and neurotoxicity: a role for nutrition. 33 Annual Conference of the Nutrition Society of Nigeria, National Institute for Medical Research, Yaba, Lagos – 27-30th Nov. PP 19-20
- 12 **Anetor J.I. (2002)**. Endocrine disruptors: The probable situation in the highly polluted Nigerian environment. SCOPE/IUPAC International Symposium on Endocrine Active Substances, November 17-21, Yokohama, Japan. Book of collective abstracts PP67-8. Chemical Evaluation and Research Institute, (CERI) Tokyo, Japan, 112-0004.
- 13 **Anetor J.I.** Babalola O.O., Ajose F., and Adeniyi F.A.A. (2002) Elevated Blood lead level, Antioxidant status and the risk of rapid ageing and greater susceptibility to infection in the general Nigerian population. Third International Conference of the Society for free Radical Research-Africa Commodore Hotel Cape Town, South Africa 8-11 October 2002 Conference Book of Abstracts P28.
- 14 **Anetor J.I.** Durojaiye O.O., Iyanda A.A. Adeniyi F.A.A, Agbedana E.O. A basic investigation for inherited metabolic diseases in two institutions for the Handicapped in Ibadan: Indication for genomics. The Nigerian Association of Clinical Chemists (NACC) 2003 Scientific Conference and Annual General Meeting, National Universities Commission Conference Center, Aguyi Ironsi Road, Maitama Abuja. 18th – 20th November 2003, Programme/Book Abstract PP17-8.
- 15 **Anetor J.I.**, Adeniyi F.A.A.(2004) Redefining Traditional Profiles in Clinical Biochemistry: Incorporating Antioxidant Status. Clin.Biochem.Revs; S73:90 (Australian AACB)
- 16 **Anetor J.I.**, Adeleke F.N, Okwara J., Ebesunu M, Iyanda AA (2004) Simple Biochemical Markers of oxidative stress in pregnancy. 10th Asian Pacific Congress of Clinical Biochemistry, September 18-25 2004. Secretariat.

17. **Anetor J.I.**, Kang, J.S., Wanibuchi, H, Morimura, K., Salim, E.I., Hayashi, S, Fukushima, S (2005). Enhancement by estradiol, 3-benzonate in thioacetamide – induced liver cirrhosis of rat. Proceedings of the 64th Meeting of The Japanese Cancer Association (JCA) p. 387 (Abstract # pp2-0914)., Sapporo, Hokaido, Japan.
18. Anetor, J. I. ,Asiribo,O. A., Akingbola, T. S. , Adedapo, K. S.,Olorunisola, O. S. , Adeniyi, F. A. A.(2005). Increased plasma manganese and partially reduced ascorbate levels and the absence of mitochondrial oxidative stress in type 2 diabetes mellitus: implications for the superoxide uncoupling protein 2 (UCP-2) pathway. 2005 Biennial Scientific Conference of the Nigerian Association of Clinical Chemists (NACC), Conference Centre, University of Calabar,, Nigeria; 23rd-25th November, 2005. Book of Abstracts P.15.
19. Anetor J. I. , Yaqub, S.A., Anetor, G.O., Akingbola, T.S., Adeniyi, F.A.A.(2005). Mixed chemical toxicity associated oxidative stress in occupational exposure: significance for genome stability.2005 Biennial Scientific Conference of The Nigerian Association of Clinical Chemists (NACC), Conference Centre, University of Calabar, Calabar, Nigeria; 23rd-25th November, 2005. Book of Abstracts, pp.19-20.
20. Anetor, J.I.(2005). Glutathione and toxic oxidative stress in a chemically challenged environment. Symposium given at the 2005 Biennial Scientific Conference of The Nigerian Association for Clinical Chemists(NACC), Conference Centre, University of Calabar, Calabar, Nigeria; 23rd-25th November, 2005

Courses & Workshops Attended:

- (i) A 4-week Intensive Course in Clinical Laboratory Medicine with Concentration in Clinical Biochemistry and Toxicology at the Grampian Health Board/University of Aberdeen Medical School, Scotland, U.K. 1990
- (ii) Clinical Laboratory attachment at the Division of Laboratory Medicine at the Aberdeen royal Infirmary, Aberdeen, Scotland, U.K. with visits to the Rowett Research Institute and the Torry Research Laboratories, 1995.
- (iii) A one-week workshop on Biosafety in Clinical and Laboratory Services at the Postgraduate Institute for Medical Research and Training (PIMRAT), College of Medicine, University of Ibadan, Ibadan, Nigeria, September,1996.
- (iv) A 12-week course in Cytopathology at the Pathology Department, University College Hospital, Ibadan, 1997.
- (v) A 3-week Intensive Course in Biotechnology at the Biotechnology Research Unit, International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria., May, 1997.
- (vi) A 3-month Certificate Course in Basic Computing at the International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria, 1997.

(vii) A one-week advanced course in Molecular Immunology , Chemical Pathology Department, College of Medicine, University of Ibadan, Ibadan, Chief Trainer, Professor C. P. Muller – Dec. 1999

(vii) National Conference on phasing out of Lead in Nigerian gasoline (petrol) under the umbrella of the National Automotive Council, Held at the Nicon Nuga Hotel, Abuja 15-16 November, 2001.

A member of the Planning Committee and Resource person. Paper presented: **Anetor J.I.**, (2001). High blood Lead levels in the general Nigerian population: Causes and implications.

viii. Participated as a resource person on a two day workshop on Toxicological Evaluation of certain Antimalarial extracts from The Nigerian Phytomedicine Compendium by the Phytomedicine Group at the Institute of Advanced Medical Research and Training, (IAMRAT), Presentation: ‘Assessment of Liver Function’ College of Medicine, University of Ibadan, and Ibadan. October 28-29, 2003

Participated in a 3 day workshop on Research Ethics, organized by the College of Medicine, University of Ibadan, Nigeria in collaboration with, The Wellcome Trust England and the Bloomberg school of Public Health, Johns Hopkins University, Baltimore USA, January 19th-21st, 2004.

ix. Attended a sensitization seminar on the Metabolic Syndrome, organized by the Nigerian Association of Clinical Chemists (NACC) in collaboration with Zanklin Medical Centre Abuja, Thursday 9th September, 2004 at the Mansel Auditorium, Zanklin Medical Centre, Abuja

x. First Regional Symposium of the Nigerian Association of Clinical Chemists (NACC) held at the Lagos State University College of Medicine (LASUCOM), 15th of May 2002. Paper presented: **Anetor, J.I.** (2002). Early Detection of Inborn Errors of Metabolism.

Anetor JI (2002) Benefits of Early Detection of Inborn Errors of Metabolism,

Guest Speaker. 2nd Regional Symposium of the Nigerian Association of Clinical Chemists (NACC, now ACCN), Ahmadu Bello University Teaching Hospital (ABUTH), Zaria. September, 2002

Xi “2002 World Environment Day Symposium”, 6th June 2002. Paper presented: **Anetor, J.I.** (2002). Environmental Pollution and Human Health: Strategies for a Sustainable Future. Department of Environmental Management and Toxicology, University of Agriculture (UNAAB), Abeokuta, Nigeria

Anetor JI (2002) SCOPE/IUPAC International Symposium on Endocrine Active Substances, November 17-21, 2002. Yokohama, Japan.

Paper: Endocrine disruptors: The probable situation in the highly polluted Nigerian environment. Book of collective abstracts P. 67.

Chemical Evaluation and Research Institute, (CERI) Tokyo Japan, 112-0004

Anetor JI, Kang JS, Wanibuchi H, Morimura K, Salim EI, Hayashi S, Fukushima S (2007). Enhancement by 3-benzoate in thioacetamide – induced liver cirrhosis of rats. Proceedings of The 62nd Annual Meeting of the Japanese Cancer Association(JCA) [<http://www2.convention.co.jp/jca2005/>] ,held at Sapporo, Hokaido, Japan, September, 14th -16th , 2005, p. 387.

Anetor JI, Anetor GO, Adeniyi FAA (2007). Chemical carcinogenesis and chemoprevention: scientific priority area in rapidly industrializing developing countries. Proceedings of The 5th International Conference; Nigerian Society for Experimental Biology (NISEB), Kogi State University, Anyigba, Kogi state, Nigeria, 28th February – 3rd March , 2007, pp150-152.

Anetor JI, Ajose F, Anetor GO, Babalola OO, Iyanda AA, Adeniyi FAA (2007). High cadmium: zinc ratio: a possible predictive biomarker of the risk of prostate cancer in cigarette smokers. Proceedings of the 5th International Conference on Environmental Mutagens in Human Populations, Antalya, Turkey. May 20-24th, 2007.

The Gordon Genetic Toxicology Conference, Magdalen College, University of Oxford, Oxford , United Kingdom, 29th July – 3rd August, 2007.

Poster Presentation: **Anetor JI**, Udah D, Akingbola TS, Babalola OO, Adeniyi FAA. Upregulation of Gamma-Glutamyl – Transpeptidase (GGT) Activity and Uric Acid level in Mixed Chemical Toxicity: Implications for mutagenic and preneoplastic events.

(xviii) **Anetor JI**, Yaqub SA, Anetor GO, Nsonwu A, Adeniyi FAA, Fukushima S (2008). Mixed Chemical-induced Oxidative Stress and the Risk of Genome Instability in Occupational Exposure in Nigerians

A poster presentation for The Gordon Research Conferences (GRC) on Mutagenesis, Holding in Magdalen College , Oxford University, U.K. , 20th – 25th July, 2008.

Udah DC, **Anetor JI** (2008). Gamma-Glutamyltranspeptidase levels in mixed chemical exposure: Implications for Mutagenesis and Preneoplastic events.

Poster presentation; American Association for Clinical Chemistry (AACC) Annual Meeting and Clinical Lab Expo', Washington DC, July 27-31 2008. Abstract Titles Guide P.6.

Anetor JI (2008). Industrialization and the increasing risk of genome instability in developing countries: Nutrigenomics as a promising antidote.

1st Unibadan Biomedical Research Conference, Conference Centre, University of Ibadan, Nigeria, 26th-29th August, 2008. Book of Abstracts pp41-42(#B12).

Anetor JI (2009). Rising Environmental Cadmium Levels in Developing Countries: Threat to Genome Stability and Health. **Invited Lecture** by the Environmental Mutagen Society of India (EMSI) at its 34th Annual Scientific Conference and International Symposium entitled – MOLECULAR BASIS OF HUMAN DISEASES; Magadh University, Bodhgaya, India 17-19th March 2009; Book of Abstract and Souvenir, p.8

Anetor JI (2009). The micronucleus assay system: a veritable tool for identification of genomic damage in developing countries. A plenary (PL05) presentation at the Alexander von

Humboldt International conference (Humboldt Kolleg Osogbo, 2009) on Biotechnology: Trends in Advancement of Life Science Research and Development in Nigeria. MicCom Golf Hotel and Resort, Obokun Road, Ada, via Osogbo, Nigeria 9th -12th August, 2009. Programme & Book of Abstracts p.13.

Anetor JI, Yaqub SA, Olapade-Olaopa EO (2009). Arsenic level in prostate cancer patients and the attenuation of accumulating mutations by nutritionally essential elements in prostate carcinogenesis. A poster presentation at the 10th International Conference (Congress) on Environmental Mutagens (ICEM) , Palazzo de Congressi, Firenze (Florence) , Italy, 20th -25th August 2009, Program and Abstract Book p.238(MH029).

Anetor J I, Adeniyi F A A and Anetor, G O (2009). Global explosion in the incidence of diabetes mellitus: Is it due to changes in dietary habits and life styles alone or is there the role of a persistent exposure to toxic chemicals in the environment? Oral presentation at the 5th Biennial Scientific Conference of the Association of Clinical Chemists of Nigeria (ACCN) and 1st African Federation of Clinical Chemistry (AFCC), Conference Centre, University of Ibadan, Ibadan, Nigeria, 25-28 October, 2009, p. 41, programme.

Tawari EP, **Anetor JI**, Arowojolu AO (2009). Cadmium level in pregnancy, influence on neonatal birthweight and possible amelioration by essential trace elements. A presentation at the 5th Biennial Scientific Conference of the Association of Clinical Chemists of Nigeria (ACCN) and 1st African Federation of Clinical Chemistry (AFCC), Conference Centre, University of Ibadan, Ibadan, Nigeria, 25-28 October, 2009, p. 44, programme.

Anetor JI (2009). Critical values in chemical pathology: understanding, significance and compliance. A presentation at the 5th Biennial Scientific Conference of the Association of Clinical Chemists of Nigeria (ACCN) and 1st African Federation of Clinical Chemistry (AFCC), Conference Centre, University of Ibadan, Ibadan, Nigeria, 25-28 October, 2009, p. 45, programme.

Anetor JI, Adeniyi FAA (2010). Absence of routine micronutrient assays in clinical practice in Nigeria: a disturbing trough in translational research. Second (2nd) Unibadan Biomedical Research Conference. Conference Centre, University of Ibadan, Ibadan, July 7-9th 2010, pp. Book of Abstracts.

Anetor JI, Tawari P, Ogunbileje J, Yaqub SA, Udah DC, Adeniyi FAA (2010). Micronutrient analysis and micronutrient therapy in developing countries: desirability and potential impact on mutagenesis and disease. Mutagenesis Meeting of Gordon Research Conferences. Theme: Consequences of Mutation and Repair for Human Disease, Colby College, Waterville, Maine, USA; August 1st – 6th 2010.

Anetor, J.I. , Akingbola T, Adeola A, Esiaba I (2011). Recognizing the Potential usefulness of uric acid in genetic toxicology. Cameroun Society of Toxicological Sciences/ Society of Toxicology and Environmental Chemistry –Africa (SETAC) conference, University of Buea, Cameroun, May 31st- June 3rd 2011 (platform presentation), Pp57-58.

Anetor, J. I. (2011). Academic Visit to the Department of Cancer Studies and Molecular Medicine, University of Leicester, United Kingdom, June 5th to July 3rd. Visit mainly focused on molecular biology of cancer and biomarker and prevention strategies- Chemoprevention etc.

Anetor JI, Iyanda AA, Nwobi L, Bolajoko E, Fasola FA (2011). Possible contribution of iron-induced disordered manganese metabolism to mitochondria pathology. Walter Sisulu

University 2011 Joint International Conference, International Convention Centre, East London, Eastern cape, South Africa, 17-19 August, 2011. Conference Program

Ogunbileje JO, Sadagopa-Ramanujam, **Anetor JI**, Okorodudu AO (2011). Selected metals and chromium (vi) levels in Nigeria and United States of America cement dust: Health implications on cement factory workers and the environment. International Toxicology of Mixtures Conference; Poster 21-23 October, 2011, Sheraton National Hotel, Arlington, VA, USA

Anetor JI, Ayita EB, Adedapo K, Adeleye J (2011). Cadmium-zinc interaction, glycemic control, and predictive indices of renal insufficiency in treated type-2 diabetes in Nigeria. A poster for the 51st Annual Meeting of the Society of toxicology, March 11-15, Moscone convention Centre, San Francisco, CA, USA .[The Toxicologist .2012. #959].

Anetor JI, Nwobi L, Iyanda AA, Diala E, Banke L (2012). The toxicology of strikes in developing countries; a plenary presentation at the 3rd Unibadan Conference of Biomedical Research. Faculty of Basic Medical Sciences, University of Ibadan. Book of Abstract P.33(Plenary lecture-5).

Anetor JI, Diala E, Banke L, Tawari P, Esiaba I, Adeola O (2012). Iron: The other side of the story. Oral presentation at the 3rd Unibadan Conference of Biomedical Research. Faculty of Basic Medical Sciences, University of Ibadan, 22-25 July. Book of Abstract P.60 (OPB19).

Anetor JI (2012). Impact of climate Change on Maternal and Child Health: Implications for Translational Science and Medicine. Keynote Lecture; 47th Annual Conference of the Association of Medical Laboratory Scientist of Nigeria (Lagos State Branch), City Hall Lagos, 19th June, 2012.

Anetor JI (2012) Enhancing Herbal Remedies by Scientific Evaluation: Prospects & Challenges. Keynote address. 7th Annual Biomedical Week, Lagos University Teaching Hospital (LUTH), 23rd October, 2012.

Anetor JI et.al.(2013). The third trimester: The critical Phase of the deleterious effect of cadmium in pregnancy. The Toxicologist (supplement to Toxicological Sciences) An Official Journal of the Society of Toxicology (PS 2051).

Anetor JI, Akinseye I (2013). Potential for reproductive toxicity in the Niger Delta Basin: Avoiding a repeat of the thalidomide phenomenon. A plenary/ Keynote lecture at the 2nd International Conference of the West African Society of Toxicology (WASOT), 20- 23rd February 2013.

Anetor JI et al. (2013). Strengthening analytical capability in micronutrients: A prophylactic approach to DNA repair defects, genome instability and carcinogenesis in developing countries .An oral presentation at the 5th International Congress of the Federation of the European Societies of Trace Elements and Minerals. Annales de Biologie Clinique71: 560-561 (proceeding), France

Anetor J.I. (2014) Heralding zinc in the restoration of the physiology of the individual and society in a contemporary chemical world. A plenary lecture at the 23rd Annual Scientific Conference of the Physiological Society of Nigeria, 12-15th February 2014. Theme: Physiology- The laboratory, The Hospital and Society. International Conference Centre, University of Ibadan. Conference Programme and Book of Abstract p.29.

Anetor JI, Diala, E.I. Arowojolu A, Anetor GO (2014) Exploration for mitochondria toxic oxidative stress in pregnant women on iron supplements in a population with high maternal mortality rate. The Toxicologist; SOT 2014 Meeting

Anetor JI, Akinduko DS (2014). An exploration of the parallel between chemical pollution and the rising burden of kidney disease in industrializing developing countries: the place of conventional and new biomarkers of nephrotoxicity. 4th Unibadan Conference of Biomedical Research, 1-4th July 2014 (Plenary #8) Book of abstract p.38

Recent Courses and Workshops

Howard Hughes Medical Institute Phage Discovery Workshop 11A, University of Maryland Baltimore County (UMBC), Maryland, USA, 23th - 29th June, 2018. One – week long training workshop on research and bacteriophage characterization, including genomics and bioinformatics, electron microscopy etc.

Presentations at Recent Conferences, Seminars and Workshops (2015- date)

Anetor J. I. , Adeniyi, N. A. (2015) Chemical exposure, increased susceptibility to neoplastic and infectious states: the science and the art. West African Society of Toxicology 4th International Conference. **Invited lecture.** 3-6th February, 2015. Emerald Energy Centre for Petroleum Economics, Policy & Strategy Studies, Institute of Petroleum Studies, University of Port Harcourt, Rivers State, Nigeria

Anetor J. I. Adigun T, Bolajoko E, Anetor GO, Orimadegun B, Ademola- Aremu K, Igharo G (2015) Inversely correlation of urinary phenol with key micronutrients of the haem pathway in Nigerian gasoline dispensers: potentiation of myelotoxicity and myelodysplasia. The Toxicologist (Supplement to Toxicological Sciences) 144: 110(PS. 517)

Anetor J .I. (2015) Redefining traditional profiles in chemical pathology: incorporating the antioxidant hypothesis. An oral presentation at the 9th International Conference of the Society of Free Radical Research- Africa and 4th Conference of the International Association of Medical & Biomedical Researchers; July 27- 29, 2015 at the Hennessy Park Hotel, Mauritius, Book of Abstract, p. 31.

Anetor J. I. (2016). Cancer in the developing countries: confronting a more toxic environment and a more susceptible population; aligning with the precautionary principle. Plenary lecture. 5th International Conference of the West African Society of Toxicology (WASOT) which held at the National Centre for Energy & Environment, University of Benin, Benin City. Book of Abstract, p.74

Anetor, J. I. (2016). Recurrent metal poisoning in Nigeria: Some conceptual reflections on its mitigation. A plenary lecture at the 5th Unibadan Conference of Biomedical Research. The biennial conference of the Faculty of Basic Medical Sciences, College of Medicine, University of Ibadan, which held at the Conference Centre University of Ibadan, 12th -15th July, 2016. Conference Programme & Book of Abstract, plenary lecture 7; p. 40.

Anetor, J. I.; Anetor, G. O (2016) Exploration for sub-clinical correlates of neurotoxicity in mining communities in Nigeria: an urgent national priority. *Free Rad. Biol. Med.* 100 (suppl.): p. S157.

Anetor, J. I. (2016) Acute Phase Response: Implications for Interpretation of Micronutrient Studies in Health and Toxic States. An oral presentation at the 6th International Conference of the Association of Clinical Chemists of Nigeria (ACCN), held at the Lagos State University Teaching Hospital (LASUTH) Conference Centre, 12th - 14th October.

Anetor, J. I., Adebolu, O. E., Omotosho, I. O., Ayede, I. (2017). Inverse correlation of blood lead level with zinc and growth indices: significance for toxicodynamics in Nigerian children. Presentation at the 56th Annual Scientific Meeting of the Society of Toxicology (SOT), Baltimore, Maryland, United States of American, March 12-16th

Anetor, J. I. (2017) A case for incorporation of markers of oxidative stress in traditional biochemical panels in clinical chemistry: a risk assessment step in laboratory medicine. Poster presentation at the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) – European Federation of Laboratory Medicine (EFLM) EuroMedLab, Athens (Greece) 2017 Congress June 12th - 16th: Clinical Chemistry and Laboratory Medicine.

Anetor J. I. (2017). Toxicogenomics: the promise and hurdles in the developing countries. A plenary at the First International Conference on Clinical Trial and Innovative Therapeutics Jointly organized by the Southern African Training Academy (SATA), and the Larkin University, Miami, Florida in Cape Town, South Africa, 24- 26 July, 2017

Anetor, J. I. (2017) Redefining therapeutic drug monitoring and quantitative drug assay: promise and significance for global drug resistance. Second Plenary at the First International Conference on Clinical Trial and Innovative Therapeutics Jointly organized by the Southern African Training Academy (SATA), and the Larkin University, Miami, Florida in Cape Town, South Africa, 24- 26 July, 2017

Anetor, J. I. (2017). Optimal Investigation of Bioterrorism: Challenge Scientists in Laboratory Medicine and Biology. Keynote Lecture at the Biotechnology Workshop on Molecular Diagnosis at Nnamdi Azikiwe University, Awka 29th October to 05 Nov. 2017.

Anetor, J. I. (2017) Environmental and Epidemiological Surveillance of Agents of Bioterrorism. A Plenary Lecture at the Biotechnology Workshop on Molecular Diagnosis at Nnamdi Azikiwe University, Awka 29th October to 05 Nov. 2017.

Anetor, J. I. (2018) Are There Biomarkers for Cancer? – A Retease of Current Evidence. A Plenary Lecture at the 6th Biennial Conference of the Faculty of Basic Medical Science (Unibadan Conference of Biomedical Research, UCBR- 6) 10- 14th July, 2018.

Anetor, J. I. (2018) Use of Biomarkers in Predicting the Risk, Onset and Monitoring of Type - 2 Diabetes Mellitus. A Plenary Lecture at 7th Biennial Scientific Conference of the Association of Clinical Chemists of Nigeria (ACCN) & the African Federation of Clinical Chemistry (AFCC) 14th- 21st October, 2018 at Nnamdi Azikiwe University, Awka, Nigeria.

Anetor, J. I. (2018) Reversing Chemical Toxicity, Genome Instability, Cancer and Other Degenerative Diseases through the Optimization Micronutrient Prophylaxis and Therapy . A

Guest Lecture at the 1st Joint International Conference on “Potential of Ethnopharmacology and Traditional Medicine” 30 Nov – 2nd December, 2018 at the UCAD, Dakar, Senegal.

Anetor, J. I. (2019). Standardization and Traceability in Laboratory Medicine: Getting African Laboratories into the Compliance Pathway. A lecture under the auspices of the African Federation of Clinical Chemistry (AFCC) and the Chemical Pathology Department, Institute of Medical Research , Alexandria, University. Held at the University of Alexandria, Egypt, 22nd-23rd February, 2019.

Anetor, J. I. (2019) .Environmental Chemicals and Our ailing Brains: Are we delaying in asking the Right Questions? A distinguished lecture delivered to the Department of Environmental Health Sciences, Faculty of Public Health, University of Ibadan, and 01 April, 2019.

Anetor, J. I. (2019) Traceability and Standardization in Laboratory in Laboratory Medicine in Africa. A presentation at the 6th Congress of the African Federation of Clinical Chemistry (AFCC) and 19th Congress of the Moroccan Society of Clinical Chemistry (SMCC), Marrakech, Morocco , 28-28th September.

Anetor, J I., Kinniburgh, D. W. (2020) Pooled Biospecimens for Human Environmental Chemical Biomonitoring: Potential Utility in Routine Laboratory Medicine for Chemical Risk Assessment. A poster presentation at IFCC World lab Congress 2020, 24th - 28th May, 2020 (accepted)

Anetor, J.I, MacDonald A., Huang D., Ikeh-Tawari, P., Charles-Davies, M. A., Arowojolu, A., Kinniburgh, D. W. (2020) Biomonitoring and surrogate biomonitoring- results from two economic diverse countries and significance for birth defect risk and prevention. Poster at the 60th Annual Meeting of the Society for Birth Defect Research and Prevention (formerly Teratology Society), South Carolina, 25th June - 2nd July, 2020.

Anetor, J.I, MacDonald, A., Huang-Yu, D., Kinniburgh, D. W. (2020) Differential pooled chemical levels in maternal and cord paired serum samples in the Alberta Biomonitoring program- implications for risk of birth defects and prevention. Poster at the 60th Annual Meeting of the Society for Birth Defect Research and Prevention (formerly Teratology Society), South Carolina, 25th June - 2nd July, 2020.

Anetor, J. I. MacDonald A, Huang D, Ikeh-Tawari P, Charles-Davies M.A. , Arowojolu, A, Kinniburgh DW (2020) Biomonitoring Studies from Two Diverse Populations: Significance in Pregnancy. A presentation at the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT) 18th Congress (Virtual), 14- 16 September (Accepted).

Anetor J. I., Adeleke, F. N. , Ajose OA , Olaniyan-Taylor, G. O. , Fasola, F.A; Anetor G.O (2020) . Lowered antioxidant status in pregnant women on iron supplements: significance and candidacy for therapeutic drug monitoring in pregnancy. A presentation at the International Association of Therapeutic Drug Monitoring and

Clinical Toxicology (IATDMCT) 18th Congress (Virtual), 14- 16 September
(Accepted).

Anetor JI, MacDonald A, Huang D, Kinniburgh DW (2020). Total mercury, methylmercury, selenium and cobalt levels in maternal and cord serum pairs: relevance for antioxidant response and oxidative stress (Accepted).

Society for Redox Biology and Medicine 27th Annual Conference, November 18-20th.
presented virtually.

Anetor JI (2021) Risk of Toxic Chemical and Biological Terrorism: A National Antidotal Admonition. A Plenary at the University of Ibadan Conference of Biomedical Research -7 (UCBR-7), Faculty of Basic Medical Sciences University of Ibadan, Conference Centre, University of Ibadan 13-17 September, 2021.

Anetor JI, Anetor GO, Adedeji A (2021). Urine Drug Testing: Some Clinical and Forensic Connotations. An oral presentation at the University of Ibadan Conference of Biomedical Research -7 (UCBR-7), Faculty of Basic Medical Sciences University of Ibadan, Conference Centre, University of Ibadan, Ibadan 13-17 September, 2021.

Anetor, J. I., Kinniburgh, D. W., MacDonald, A (2021). Human biomonitoring: a proposal for a global biomonitoring institute. Oral presentation at the 19th Congress of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT), holding in Rome 19th-22 September, 2021.

Anetor JI (2021) Environmental Toxicity, Toxic Burden and Susceptibility to Disease: The Unexplored Pathway in Laboratory Medicine. A presentation at the African Federation of Clinical Chemistry and Laboratory Medicine (AFCC) and the Biomedical Society of Zambia (BMSZ) Regional Conference, International Conference Centre, Lusaka, Zambia, 10th- 12 November, 2021.

Anetor JI (2021) Understanding Forensic Toxicology in High Crime Setting: An Introduction. A Plenary presentation at the 2022 Web conference of the Forum of Nigerian Toxicologists (FONTOX), April 27, 2022.

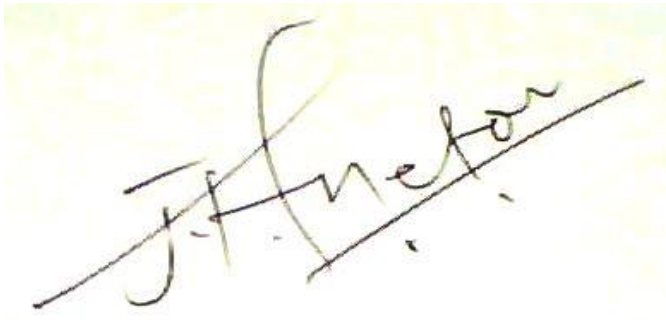
Anetor JI (2022) Medical Laboratory Science Professionals and the New World of Work: Aligning with the Global Scientific Community. A keynote lecture to the Association of Medical Laboratory Scientists of Nigeria, Civil Service Chapter, Lagos State, Nigeria, held at the Medical Research Council Auditorium, Lagos State University College of Medicine (LASUCOM), June 01, 2022.

Anetor JI (2022) Migration and the Global Drug Crisis: Genesis, Drivers and Societal Pathology. A guest lecture to the Centre of Excellence for Global Studies and Migration, National Open University of Nigeria, NOUN, Abuja, Nigeria. June 08, 2022.

Anetor JI, Macdonald A, Yu-Huang D, Kinniburgh DW (2022). Pooled biospecimens for human environmental chemical biomonitoring : potential utility in laboratory medicine for chemical risk assessment. *Clinica Chimica Acta* 503: **W245** (S435- S436) doi: 10. 1016/ j.cca.2022.04.486. A poster presentation at the 24th Congress of the

International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) and the 16th Asia-Pacific Congress of Clinical Biochemistry , 26- 30th June, 2022, Coex, Seoul, Korea.

Anetor JI (2022) Toxic Burden and Toxic Response: Interrogating the Biomitigation Pathway as a Public Health Response. Aguest lecture at the Institute of Advanced Medical Research and Training (IAMRAT), College of Medicine, University of Ibadan, August 29th .

A handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and reads "J. I. Anetor". The letters are connected, and there are some flourishes, particularly a large loop at the end of the word "Anetor".

Professor John. I. Anetor