

## | CURRICULUM VITAE |



### **PROFESSOR EMEKA EZE JOSHUA IWEALA**

B.Sc. (Hons), M.Sc., Ph.D. (Biochemistry), M.Sc. (Public Health Management)

- **Personal Data**

**Name:** IWEALA, Emeka Eze Joshua

**Date of Birth:** 3<sup>rd</sup> August, 1968

**Gender:** Male

**Town:** Umuahia

**Local Government of Origin:** Umuahia North

**State of Origin:** Abia

**Nationality:** Nigerian

**Marital Status:** Married

**Religion:** Christianity

**Number of Children:** Three (Aged 18, 15 and 13 years old)

**Contact Address:** Department of Biochemistry, Covenant University, P.M.B 1023, Ota, Ogun State, Nigeria.

**Telephone Number:** +234(0)8036738625; +2348188881368

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**Present Positions:** Director, Covenant University Centre for Research, Innovation and Discovery (CUCRID); Deputy Director, African Centre of Excellence for Applied Informatics and Communication (CApIC-ACE).

- **Institutions Attended With Dates:**

S/N	Institution	Programme/Discipline	Date
1	Imo State University (Now Abia State University), Uturu, Abia State, Nigeria.	Biochemistry	1985 - 1989
2	University of Nigeria, Nsukka, Enugu State, Nigeria.	Biochemistry	1993 - 1995
3	University of Nigeria, Nsukka, Enugu State, Nigeria.	Biochemistry	1997 -2007
4	University of Lagos, Lagos, Nigeria.	Public Health/Management	2008 -2010

- **Academic Qualification:**

S/N	Degree	Programme/Discipline	Date	Grade
1	B.Sc. (Hons)	Biochemistry	December, 1989	Second class
2	M.Sc.	Biochemistry (Pharmacological Biochemistry)	June, 1995	Pass
3	Ph.D.	Biochemistry (Nutritional Biochemistry)	June, 2007	Pass
4	M.Sc.	Public Health (Management)	November, 2010	Pass

- **Teaching Experience/Academic Positions:**

(a) **Duration of Teaching Experience in the University:** Twenty three (23) Years

(b) **Academic Leadership Positions Held:**

- Director, Covenant University Centre for Research, Innovation and Discovery (2018 - Present)
- Deputy Director, African Center of Excellence for Applied Informatics and Communication, Covenant University, Ota, Ogun State, Nigeria (2018 - Present)
- Chairman, Covenant University Curriculum Committee (2018 - Present)
- Coordinator, Postgraduate Programme, Department of Biological Sciences, Covenant University, Ota, Ogun State, Nigeria (2018 - Present).

- Principal Investigator, Cancer Prevention Research Group/CaPTC-Covenant University, Ota, Ogun State, Nigeria (2014 – Present).
  - Professor of Biochemistry, Covenant University, Ota, Ogun State, Nigeria (2015 – Present).
  - Head of Department, Department of Biological Sciences, Covenant University, Ota, Ogun State, Nigeria (2014 – 2015).
  - Coordinator, Postgraduate Programme, Department of Biological Sciences, Covenant University, Ota, Ogun State, Nigeria (2013 – 2014).
  - Coordinator, Biochemistry Programme, Department of Biological Sciences, Covenant University, Ota, Ogun State, Nigeria (2012 - 2013).
  - Level Adviser, Biochemistry Programme, Department of Biological Sciences, Covenant University, (2010 – 2013)
  - Faculty Seminar Coordinator, Faculty of Biological Sciences, Abia State University, Uturu (2007 - 2009).
  - Examination/Time table Officer, Department of Biochemistry, Abia State University, Uturu (2006 – 2009)
- **Courses Taught (2018/2019 Academic Session):**
    - A. Undergraduate Courses:**
      1. BCH 313 - Metabolism of Amino Acids and Proteins
      2. BCH 415 - Research Methods in Biochemistry
      3. BCH 431 - Tissue Biochemistry
      4. BCH 422 - Pharmacological and Toxicological Biochemistry
      5. BCH 428 – Comparative Biochemistry
      6. GST 311 – History and Philosophy of Science
    - B. Postgraduate Courses:**
      1. BCH 812 - Research Methods and Biostatistics
      2. BCH 816 - Advanced Plant Biochemistry
      3. BCH 833 – Emerging Topics in Biochemistry.
      4. BCH 912 – Comparative Biochemistry of Living Organisms
      5. BCH 926 - Advanced Plant Biochemistry
      6. CUR 911 – Advanced Research Philosophy and Methodology
  - **Fellowships, Awards, Prizes, Recognitions and Commendations:**
    - **Fellowships:**
      - CAS-TWAS Visiting Scholar Fellowship, Kunming, China, **2012**. (Available at; <http://www.twas.org.cn/twas/winners2012.asp>)
    - **Awards:**

- European Association for Cancer Research (EACR) Meeting Bursary to attend the “*ESMO Symposium on Signalling Pathways in Cancer*”, Barcelona, Spain, **2018**
- Biochemical Society General Travel Award to attend the *1<sup>st</sup> Biochemical Society and Against Breast Cancer Glyco Oncology Workshop*, New College Oxford, UK, **2017**.
- Prostate Cancer Transatlantic Consortium (CaPTC) Travel award to attend the *4<sup>rd</sup> Science of Global Prostate Cancer Disparities (SGCaPD) Conference*, Orlando, Florida, USA, **2016**.
- American Association for Cancer Research (AACR) African Cancer Researchers Travel Award to attend the *107<sup>th</sup> American Association of Cancer Research Annual Meeting*, New Orleans, Louisiana, USA, **2016**.
- Prostate Cancer Transatlantic Consortium CaPTC Travel award to attend the *3<sup>rd</sup> Science of Global Prostate Cancer Disparities (SGCaPD) Conference*, Montego Bay, Jamaica, **2014**.
- Health Disparities Education, Awareness, Research, Training (HDEART) Travel award to attend the *Annual Disparities in Health in America Summer Workshop*, Texas, USA, **2014**.
- **Prizes:**
  - Best graduating student in Biochemistry, Imo State University, Okigwe (Now, Abia State University, Uturu), **1988/89** Session.
  - Wilfred Wozuzu Acholonu Prize for the best graduating student in Biological Sciences, Imo State University, Okigwe (Now, Abia State University, Uturu), **1988/89** Session.
- **Recognitions:**
  - Ambassador of the European Association for Cancer Research (EACR), **2018**
  - Nigeria Society of Biochemistry and Molecular Biology (NSBMB) “Olumbe Bassir” Lecturer, **2017**
  - Nigeria Society of Biochemistry Students Convention keynote speaker, **2017**
  - Ranked among the top 500 Scientists in Nigeria (<http://www.webometrics.info/en/node/99>).
- **Commendations:**
  - Commendation letter for valuable contributions towards review of the Covenant University’s ReCITE Appointment and Promotion Criteria and Strategic Plan
  - Commendation letter for valuable contributions towards the writing and successful submission of Covenant University’s Proposal on Covenant Applied Informatics and Communication African Center of Excellence Impact project.
- **Research Interests:**
  - Nutritional Biochemistry
  - Toxicological Biochemistry

- Pharmacological Biochemistry
  - Medicinal Plants
  - Molecular Oncology/Cancer Research
  - Nanoparticles
  - Public Health
  - Research Ethics
- **Scopus Profile:**  
Citations - **186**; H-index - **8**; Documents - **35**; as at April, 2019  
(<https://www.scopus.com/authid/detail.uri?authorId=56880217400>).
  - **Publons Profile:**  
Citations - **71**; H-index - **5**; Publications - **22**; as at April, 2019  
(<https://publons.com/researcher/1719709/emeka-iweala/>)
  - **Google Scholar Profile:**  
Citations - **588**; H-index - **15**; i10-index - **21** as at April, 2019  
(<https://scholar.google.com/citations?user=DNHHC8sAAAAJ&hl=en>).
  - **Researchgate Profile:**  
Citations - **392**; RG Score - **27.47**; Reads - **5835** as at April, 2019  
([https://www.researchgate.net/profile/Emeka\\_Iweala2](https://www.researchgate.net/profile/Emeka_Iweala2))
  - **Publications:**
  - **Peer-reviewed Journal Articles (International/Local):**
    1. Adeloye, D., Harhay, M.O., Ayepola, O.O., Dos Santos, J.P.R., David, R.A., Ogunlana, O.O., Gadanya, M, Osamor, V.C., Amuta, A.O., **Iweala, E.E.**, Auta, A., and Rebbeck, T.R., **2019**. Estimate of the incidence of bladder cancer in Africa: A systematic review and Bayesian meta-analysis. *International Journal of Urology* **26** (1): 102-112.
    2. Yakubu, O. F., Adebayo, A. H., Dokunmu, T.M., Zhang, Y.J, and **Iweala, E.E.J.**, **2019**. Cytotoxic Effects of Compounds Isolated From *Ricinodendron Heudelotii*. *Molecules* **24** (1):145.
    3. Yakubu, O.F., Adebayo, A.H., Okechukwu, E.S., Adeyemi, A.O., **Iweala, E.J.** and Zhang, Y., **2018**. Co-administration of artemisinin and *Ricinodendron heudelotii* leaf extract – effects on selected antioxidants and liver parameters in male Wistar rats. *Comparative Clinical Pathology* **27**:765–772.
    4. C. Ehi-Eromosele, B. Ita, and **E. Iweala**, **2018**. Synthesis, Magneto-structural Properties and Colloidal Stability Studies of Ni<sub>0.3</sub>Zn<sub>0.7</sub>Fe<sub>2</sub>O<sub>4</sub> Nanoparticles

- Coated with Pluronic P123 Block Copolymer for Potential Biomedical Applications. *Iranian Journal of Science and Technology Transaction A: Sciences* **42** (1): 209-217.
5. O.F. Yakubu, A.H. Adebayo, T.O. Famakinwa, O.S. Adegbite, T.A. Ishola, L.O. Imonikhe, O.A. Adeyemi, O.A. Awotoye and **E.J. Iweala**, 2018. Antimicrobial and Toxicological Studies of *Ricinodendron Heudelotii* (BAILL.) *Asian Journal of Pharmaceutical and Clinical Research* **11**(1): 299-305.
  6. C.O. Ehi-Eromosele, B.I. Ita and **E.E.J. Iweala**, 2017. Silica Coated LSMO Magnetic Nanoparticles for the pH-Responsive Delivery of 5-Fluorouracil Anticancer Drug. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **530**: 164-171.
  7. Azuh, D.E., Azuh, A.E., **Iweala, E.J.**, Adeloye, D., Akanbi, M. and Mordi, R.C., 2017. Factors influencing maternal mortality among rural communities in Southwestern Nigeria. *International Journal of Women's Health* **9**: 179-188.
  8. Ehi-Eromosele, C.O., Ita, B.I. and **Iweala, E.E.J.**, 2016. Synthesis, Microstructure and Magnetic Properties of Nanocrystalline MgFe<sub>2</sub>O<sub>4</sub> Particles: Effect of Mixture of Fuels and Sintering Temperature. *Science of Sintering* **48** (2): 221-235.
  9. Adeloye, D., David, R.A., Aderemi, A.V., Iseolorunkanmi, A., Oyedokun, A., **Iweala, E.E.J.**, Omoregbe, N. and Ayo, C.K., 2016. An Estimate of the Incidence of Prostate Cancer in Africa: A Systematic Review and Meta-Analysis. *PLoS ONE* **11**(4): e0153496.
  10. Osamor, V.C., Chinedu S.N., Azuh D.E., **Iweala E.J.** and Ogunlana O.O., 2016. The interplay of post-translational modification and gene therapy. *Drug Design, Development and Therapy* **10**: 861-871.
  11. C.O. Ehi-Eromosele, B.I. Ita, **E.E.J. Iweala**, K.O. Ogunniran, J.A. Adekoya, and F.E. Ehi-Eromosele, 2016. Structural and Magnetic Characterization of La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub>Nanoparticles Obtained by the Citrate-Gel Combustion Method: Effect of Fuel to Oxidizer Ratio. *Ceramics International* **42** (1): 636-643.
  12. C.O. Ehi-Eromosele, B.I. Ita and **E.E.J. Iweala**, 2016. The Effect of Polyethylene Glycol (PEG) Coating on the Magneto-Structural Properties and Colloidal Stability Of Co<sub>0.8</sub>Mg<sub>0.2</sub>Fe<sub>2</sub>O<sub>4</sub> Nanoparticles for Potential Biomedical Applications. *Digest Journal of Nanomaterials and Biostructures* **11** (1) 7 - 14.
  13. Ehi-Eromosele C.O., Ita B.I., **Iweala E.E.J.**, Ogunniran K.O., Adekoya J.A. and Siyanbola T.O., 2016. Silica Functionalized Magnesium Ferrite Nanocomposites for Potential Biomedical Applications: Preparation, Characterization and Enhanced Colloidal Stability Studies. *Journal of Nano Research* **40**, 146-157.
  14. **E.E.J. Iweala** and J.O. Ogidigo, 2015. Prostate Specific Antigen, Antioxidant and Hematological Parameters in Prostatic Rats Fed *Solanum macrocarpon* L. Leaves. *Asian Journal of Biological Sciences* **8**: 30-41.

15. C.O. Ehi-Eromosele, B.I. Ita, **E.E.J. Iweala**, S.A. Adalikwu and P.A.L. Anawe, **2015**. Magneto-structural properties of Ni-Zn nanoferrites synthesized by the low-temperature auto-combustion method. *Bulletin of Materials Science*, **38** (5), 1465-1472.
16. C.O. Ehi-Eromosele, B.I. Ita and **E.E.J. Iweala**, **2015**. Low-temperature combustion synthesis of cobalt magnesium ferrite magnetic nanoparticles: effects of fuel-to-oxidizer ratio and sintering temperature. *Journal of Sol-Gel Science and Technology*, **76** (2): 298-308.
17. O. E. Omotosho, A.C. Omonhinmin, S.O. Rotimi, **E.E.J. Iweala**, O.A. Rotimi and Ayoade Femi, **2015**. Partial Purification and Characterization of Cellulase from the Haemolymph of the African Giant Land Snail (*Archachatina marginata*). *Biotechnology*, **14**: 248-253.
18. A. E. Irondi, **E. J. Iweala**, O.S. Agboola, J.K. Akintunde and J.A. Ajiboye, **2015**. Distribution of Metabolites and Antioxidant Activity in the Berry and Shoot of *Solanum pseudocapsicum* grown in Nigeria. *International Journal of Biochemistry Research and Review* **8** (1): 1-9.
19. I.S. Afolabi, S.N. Chinedu, **E.E.J. Iweala**, O.O. Ogunlana and D.E. Azuh, **2015**. Body Mass Index and Blood Pressure in a Semi-urban Community in Ota, Nigeria. *Food and Public Health* **5** (5): 157-163.
20. **E.E.J. Iweala**, F. Liu R. Cheng Y. Li C.A Omonhinmin, and Y.J. Zhang, **2015**. Anti-Cancer and Free Radical Scavenging Activity of Some Nigerian Food Plants *In vitro*. *International Journal of Cancer Research* **11**(1): 41-51.
21. **E.E.J. Iweala** and J.O. Ogidigo, **2015**. Effect of *Celosia argentea* f. *crystata* (L.) Schinz. on Prostate Specific Antigen, Antioxidant status and hematological parameters in Rats induced with Benign Prostate Hyperplasia. *Asian Journal of Biochemistry* **10** (1): 42-51.
22. **E.E.J. Iweala** and A.G. Okedoyin, **2014**. Effect of Consumption of *Corchorus olitorius* L., in Carbon Tetrachloride-Induced Liver Damage in Male Wistar Rats. *American Journal of Biochemistry and Molecular Biology*, **4**: 143-154.
23. **E.E.J. Iweala**, J.A.O. Olugbuyiro, B.M. Durodola, D.R. Fubara-Manuel and A.O. Okoli, **2014**. Metal Contamination Of Foods and Drinks Consumed in Ota, Nigeria. *Research Journal of Environmental Toxicology*, **8**: 92-97.
24. N. Nwachukwu and **E. E. J. Iweala**, **2014**. Evaluation of the Oxidative Stress Status of Albino Rats Fed with Compounded Spices. *Asian Journal of Agriculture and Food Science*, **2** (2):151 - 157.
25. **E. E. J. Iweala**, S. N. Chinedu, I. S. Afolabi, O.O. Ogunlana, D.E. Azuh, V. C. Osammor and T. A. Toogun, **2014**. Body mass index and random blood glucose levels in a semi urban Nigerian community. *International Journal of Diabetes in Developing Countries*, **34** (3): 175-176.
26. N. Nwachukwu, **E.E.J. Iweala** and H.O. Asoluka, **2014**. Effects of "Lesser Known" Leafy Vegetables (*Vitex doniana* and *Corchorus olerarius*) on the Oxidative Stress Indices of Albino Rats. *European Journal of Medicinal Plants* **4** (11): 1293-1301.

27. N. Nwachukwu and **E.E.J. Iweala**, 2013. Assessment of the influence of mixed spiced diet on lipid profile of albino rats. *American Journal of Food And Nutrition*. **3** (3): 117-121.
28. S.N. Chinedu, O.O. Ogunlana, D.E. Azuh, **E.E.J. Iweala**, I.S. Afolabi, C.C. Uhegbu, M.E. Idachaba, and V.C. Osamor, 2013. Correlation between body mass index and waist circumference in Nigerian adults: Implication as indicators of health status. *Journal of Public Health Research*, **2**:e16.
29. **E.E.J. Iweala**, S.N. Chinedu, I.S. Afolabi, O.O. Ogunlana, D.E. Azuh, V.C. Osamor, and T.A. Toogun, 2013. Propensity for Diabetes and Correlation of its Predisposing Factors in Ota, Nigeria. *Journal of Medical Sciences* **13** (8): 809 - 813.
30. S.N. Chinedu, D.E. Azuh, V.C. Osamor, **E.E.J. Iweala**, I.S. Afolabi, C.C. Uhegbu, O.O. Ogunlana and S.U. Oranusi, 2013. Skincare Product Usage: Implications on Health and Wellbeing of Africans. *Journal of Applied Sciences*. **13** (3): 430 - 436.
31. **E.E.J. Iweala**, F.O. Uhegbu and O.A. Adesanoye, 2013. Biochemical effects of leaf extracts of *Gongronema latifolium* and selenium supplementation in alloxan induced diabetic rats. *Journal of Pharmacognosy and Phytotherapy* **5** (5): 91 - 97.
32. A.E. Ugbogu, E.I. Akubugwo, **E.E.J. Iweala**, F.O. Uhegbu, G.C. Chinyere and N.A. Obasi, 2013. Role of Phytochemicals in Chemoprevention of Cancer: A Review *International Journal of Pharmaceutical and Chemical Sciences*. **2** (2): 566-575.
33. N. Nwachukwu and **E.E.J. Iweala**, 2013. The Influence of mixed spiced diet on hematological properties and lipid profile of guinea pigs. *Journal of Medicinal Plant Research* **7** (1): 1 - 6.
34. F.O. Uhegbu, E.I. Akubugwo, **E.J. Iweala** and O.C. Uhegbu, 2012. Impact of spent engine oil on soil and growth of *Zea mays* seeds. *Scientific Journal of Environmental Sciences*. **1**(1) (4):1-8.
35. F.O. Uhegbu, E.I. Akubugwo and **E.E.J. Iweala**, 2012. Effect of Garri Processing Effluents (Waste Water) On The Cyanide Level Of Some Root Tubers. *African Journal of Food Agriculture, Nutrition and Development*, **12** (6): 6748 - 6758.
36. F.O. Uhegbu, I. Elekwa, E.I. Akubugwo, G.C. Chinyere and **E.E.J. Iweala**, 2012. Analgesic and Hepatoprotective Activity of Methanolic Leaf Extract of *Ocimum gratissimum* (L.A.). *Research Journal of Medicinal Plant*, **6**(1): 108 - 115.
37. N. Nwachukwu and **E.E.J. Iweala**, 2011. Studies on the Biochemical Indices of Guinea Pigs Fed with Mixed Spiced Diets. *Australian Journal of Basic and Applied Sciences*. **5**(12): 3349-3356.
38. F.O. Uhegbu, I. Elekwa, **E.E.J. Iweala**, I. Kanu and O.C. Uhegbu, 2011. Effect of Petroleum Waste Water on New Calabar River and its Sediment in



- Buguma, Rivers State, Nigeria. *Global Journal of Pure and Applied Sciences*. **17** (4): 481-485.
39. F.O. Uhegbu, I. Elekwa, **E.E.J. Iweala** and I. Kanu, **2011**. Cyanide, Nitrate and Nitrite Content of Some Leafy Vegetables and Fruits Commonly Consumed in the South-East of Nigeria. *Pakistan Journal of Nutrition*. **10** (12): 1190-1194.
40. F.O. Uhegbu, **E.E.J. Iweala** and I. Kanu, **2011**. Studies on the chemical and antinutritional content of some Nigerian spices. *International Journal of Nutrition and Metabolism*. **3**(6): 72-76
41. **E.E.J. Iweala** and O.Y. Lawal, **2011**. Preliminary biochemical and histological effects of consumption of *Talinum triangulare* (L.) Juss – supplemented diet on paracetamol-induced hepatotoxicity in rats. *Journal of Medicinal Food Plants*, **3** (1): 1-8.
42. **E.E.J. Iweala**, I.C. Obichi and O.E. Omotosho, **2011**. Biochemical and Histological Responses of Hepatotoxic Rats Fed *Musa paradisiaca* L. Supplemented Diet. *International Journal of Pharmacology*. **7** (4): 471-477.
43. O.E. Omotosho, G. Oboh and **E.E.J. Iweala**, **2011**. Comparative effects of local coagulants on the nutritive value, *in vitro* multienzyme protein digestibility and sensory properties of Wara cheese. *International Journal of Dairy Science*. **6** (1): 58-65.
44. **E.E.J. Iweala** and F.D. Oludare, **2011**. Hypoglycemic effect, biochemical and histological changes of *Spondias mombin* Linn. and *Parinari Polyandra* Benth. Seeds ethanolic extracts in alloxan-induced diabetic rats. *Journal of Pharmacology and Toxicology*. **6** (2):101-112.
45. **E.E.J. Iweala** and A.O. Osundiya, **2010**. Biochemical, haematological and histological effects of dietary supplementation with leaves of *Gnetum africanum* Welw. on paracetamol-induced hepatotoxicity in rats. *International Journal of Pharmacology*. **6** (6): 872-879.
46. **E.E.J. Iweala** and O.Obidoa, **2010**. Studies On Some Biochemical and Histological Changes Associated With Long Term Consumption Of Leaves Of *Ocimum gratissimum* L. In Male Rats. *American Journal of Food Technology*. **5** (6):376-384.
47. **E.E.J. Iweala** F.O. Uhegbu and G.N. Ogu, **2010**. Preliminary *in vitro* anti sickling properties of crude juice extracts of *Persia Americana*, *Citrus sinensis*, *Carica papaya* and **Ciklavit®**. *African Journal of Traditional, Complimentary and Alternative Medicines*. **7**(2):113-117.
48. N. Nwachukwu and **E. Iweala**, **2010**. Effect of mixed spiced diet on the lipid profile and hepatic enzymes of Guinea pig. *International Journal of Biological Science*. **2**(7):104-111.
49. N. Nwachukwu and **E.J. Iweala**, **2009**. Influence of extraction methods on the hepatotoxicity of *Azadiracta indica* bark extract on albino rats. *Global Journal of Pure and Applied Sciences*. **15** (3& 4): 369-372.

50. **E.E.J. Iweala** and O. Obidoa, **2009**. Effect of a long term consumption of a diet supplemented with leaves of *Gongronema latifolium* Benth. on some biochemical and histological parameters in male albino rats. *Journal of Biological Sciences*. **9** (8): 859-865.
51. **E.E.J. Iweala**, **2009**. Preliminary qualitative screening for cancer chemopreventive agents in *Telfairia Occidentalis* Hook.f, *Gnetum africanum* Welw., *Gongronema latifolium* Benth. and *Ocimum gratissimum* L. from Nigeria. *Journal of Medicinal Food Plants*. **1** (2): 58-63.
52. **E.E.J. Iweala**, F.O. Uhegbu and O. Obidoa, **2009**. Biochemical and histological studies associated with long term consumption of *Gnetum africanum* Welw. Leaves in rats. *Asian Journal of Biochemistry*. **4** (4): 125-132.
53. **E.E.J. Iweala** and O.Obidoa, **2009**. Some biochemical, haematological and histological responses to a long term consumption of *Telfairia Occidentalis*-supplemented diet in rats. *Pakistan Journal of Nutrition*. **8**(8): 1199-1203.
54. F.O. Uhegbu, C.C. Onwuchekwa, **E.E.J. Iweala** and I. Kanu, **2009**. Effect of Processing Methods on Nutritive and Antinutritive Properties of Seeds of *Brachystegia eurycoma* and *Detarium microcarpum* from Nigeria. , *Pakistan Journal of Nutrition*. **8** (4): 316-320.
55. C.U. Okeke and **E. Iweala**, **2008**. Phytochemical and anti-microbial studies of Indian hemp (*Cannabis sativa* Linn.) grown in South eastern Nigeria. *Journal of Applied Sciences*. **11**(2): 7827-7840.
56. U. Okeke and **E. Iweala**, **2007**. Antioxidant Profile of *Dioscorea Rotundata*, *Manihot Esculenta*, *Ipoemea Batatas*, *Vernonia Amygdalina* and *Aloe Vera*. *Journal of Medical Research and Technology*. **4** (1): 4 – 10.
57. **E. Iweala** and C.U. Okeke, **2006**. Comparative Study of the Effects of Chloroquine, Fansidar and an Anti-Malarial Plant (*Azadirachta Indica* A. Juss Meliaceae) on Some Biochemical Parameters in Albino Rats. *Journal of Medical Research and Technology*. **3** (2): 4 – 12.
58. **E. Iweala** and C.U. Okeke, **2006**. Bioavailability of Chloroquine and Ampicillin in Animals Fed with Diets Supplemented with *Gongronema Latifolium* and *Ocimum Gratissimum*. *Journal of Medical Research and Technology*. **3** (2): 24 – 31.
59. **E.E.J. Iweala** and C.U. Okeke, **2005**. Comparative study of the hypoglycemic and biochemical effects of *Catharanthus roseus* (Linn) G. apocynaceae (Madagascar periwinkle) and chlorpropamide (diabinese) on alloxan-induced diabetic rats. *Biokemistri*. **17**(2): 149-156.
60. **E.E.J. Iweala** E.I. Akubugwo and C.U. Okeke, **2005**. Effects of ethanolic extracts of *A. sativum* (garlic) on serum cholesterol and blood sugar levels of albino rabbits. *Plant Products Research Journal*, **9**: 14-18.
61. **E.E.J. Iweala** and I. Elekwa, **2001**. Hepatic status and lipid peroxidation in rats fed Bambara groundnut (*V. subterranean*) and Pigeon Pea (*Cajanus cajan*). *Journal of Health and Visual Sciences*. **3** (3): 147-154.

62. **E.E.J. Iweala**, G. Emeruwa and O.Obidoa, **1999**. Effect of aqueous extract of *Azadiracta Indica* on swine intestinal amylase. *Plant Products Research Journal*. **4**: 1-5.

- **Published Conference Proceedings:**

63. Solomon Rotimi, Chidiebere Ogo, Olubanke Ogunlana, Shalom Chinedu, **Emeka Iweala**. Androgen metabolism and incidence of prostate cancer in Nigeria [abstract]. In: Proceedings of the AACR Special Conference: Prostate Cancer: Advances in Basic, Translational, and Clinical Research; 2017 Dec 2-5; Orlando, Florida. Philadelphia (PA): AACR; *Cancer Res* 2018; 78(16 Suppl):Abstract nr B048.

64. **Emeka Iweala**, Solomon Rotimi, Faith Kanu, Chidiebere Ogo. Biochemical parameters of prostate cancer patients in Nigeria [abstract]. In: Proceedings of the AACR Special Conference: Prostate Cancer: Advances in Basic, Translational, and Clinical Research; 2017 Dec 2-5; Orlando, Florida. Philadelphia (PA): AACR; *Cancer Res* 2018; 78(16 Suppl):Abstract nr B047.

65. Olubanke O. Ogunlana, Omaghomi Ortiseweyinmi, Sadiq Ajoke, Omolara Fatiregun, Solomon O. Rotimi, Bose E. Adegboye, **Emeka E. Iweala**, Angie O. Igbinoba-Adebayo. Significance of GSTM1 and GSTT1 gene polymorphism to breast cancer susceptibility in Nigerian women [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2018; 2018 Apr 14-18; Chicago, IL. Philadelphia (PA): AACR; *Cancer Res* 2018;78(13 Suppl):Abstract nr 1223.

66. W. Iyanda-Joel, M. Nshiogu, **E.E Iweala**, S. Chinedu, 2017 Antimycobacterial and Phytochemical Analysis of Methyl Tert-Butyl Ether Extracts from the Fruit Skin and Leaves of *Annona Muricata* Linn. *American Journal of Tropical Medicine and Hygiene* 95 (5), 557-557

67. Sandra A. Udegbe, Atinuke G. Oyinbo, Andiyenema N. Akaiso, Kingsley E. Nwaonumah, **Emeka Eze Iweala**. 2017. Biochemical parameters of breast cancer patients in Nigeria [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2017; 2017 Apr 1-5; Washington, DC. Philadelphia (PA): AACR; *Cancer Research* 2017; **77** (13 Suppl): Abstract nr 3821. doi:10.1158/1538-7445.AM2017-3821

68. Wisdom Iyanda-Joel, Michael Nshiogu, **Emeka E Iweala**, Shalom Chinedu. 2017. Antimycobacterial and Phytochemical Analysis of Methyl Tert-Butyl Ether Extracts from the Fruit Skin And Leaves of *Annona Muricata* Linn. *American Journal of Tropical Medicine and Hygiene* 95 (5); 557-557.

69. Wisdom O Iyanda-Joel, **Emeka E Iweala**, Shalom N Chinedu. 2017. Comparative Study Of Varying Concentrations Of a Nigerian Plant Extract (E557) on Local and Standard Strains of *Mycobacterium Tuberculosis*. *American Journal of Tropical Medicine and Hygiene* 97 (5); 175-175.

70. Wisdom O Iyanda-Joel, **Emeka E Iweala**, Shalom N Chinedu. 2017. Antimycobacterial Effect Of Varying Concentrations Of E559: A Natural

- Plant Product In Nigeria. *American Journal of Tropical Medicine and Hygiene* 97 (5); 578-578.
71. W.O. Iyanda-Joel, E. A. Omonigbehin, **E.E.J. Iweala**, S.N. Chinedu. 2017. Anti-fluoroquinolone resistance activity of E558: A natural product. [abstract]. In: *The FASEB Journal* **31** (1 Supplement), 777.1-777.1
  72. **Emeka E.J. Iweala**, Conrad A. Omonhinmin, Dominic E. Azuh, Isioma J. Okwudi. 2016. Knowledge of prostate cancer and screening attitude of residents of a Nigerian community. [abstract]. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research; 2016 April 16-20; New Orleans, LA. Philadelphia (PA): AACR; *Cancer Research* 2016; **76** (14 Suppl): Abstract nr LB-359. doi: 10.1158/1538-7445.AM2016-LB-359
  73. **Emeka E.J. Iweala**, Eunice W. Bankole. 2016. Preliminary anti-proliferative effect of ethanolic extracts of *Xylopia aethiopica* on prostate and breast cancer cell lines [abstract]. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research; 2016 April 16-20; New Orleans, LA. Philadelphia (PA): AACR; *Cancer Research* 2016; **76** (14 Suppl): Abstract nr LB-124. doi:10.1158/1538-7445.AM2016-LB-124
  74. W.O. Iyanda-Joel, S. Chinedu, **E. Iweala**, N. Onyejepu, M. Nshiogu. 2016. Phytochemical and antimycobacterial analysis of aqueous and ethanolic extracts of *Annona muricata* Linn (Soursop). 2016. In: ICIID abstract supplement 2016. *International Journal of Infectious Diseases*, **45** (Suppl 1): 395-396. Abstract nr 43.108. doi: doi:10.1016/j.ijid.2016.02.846
  75. W. Iyanda-Joel, O. Adegbite, O. Ajetunmobi, S. Chinedu, **E. Iweala**, S. Rotimi, 2015. Phytochemical, antioxidant and mitochondrial permeability transition analysis of fruit skin ethanolic extract of *Annona muricata* Linn. (Soursop). In: Abstracts of the 51st Congress of the European Societies of Toxicology (EUROTOX). *Toxicology Letters*, **238** (2 Suppl), S248. Abstract nr P11-038. doi:10.1016/j.toxlet.2015.08.1099.
  76. **E.E.J. Iweala** and C.U. Okeke, 2005. Potential chemopreventive agents from garlic, onion and ginger. In: *Proceedings of the 29<sup>th</sup> Conference of the Nigerian Institute of Food Science and Technology (NIFST); 2005 October; Abakaliki, Ebonyi state, Nigeria*. Page160-161.
  77. **E.E.J. Iweala** and C.C. Nwazor, 2007. Potential chemopreventive agents from *Gongronema latifolium*. In: *Proceedings of the 5<sup>th</sup> International Conference of the Nigerian Society for Experimental Biology (NISEB); 2007 February; Anyigba, Kogi state, Nigeria*. Page 86-87.

- **Books:**

78. N. Nwachukwu, K.N. Agbafor and **E. Iweala**. 2003. Introduction to Practical Biochemistry. Second Edition. Douglas Publishers Nigeria, Abakaliki.
79. **E.E.J. Iweala**, 2005. The Biochemist. First Edition. Flair stitches, Lagos, Nigeria.

- **Contribution to Books:**

80. E.C. Onwuchekwa and **E. Iweala**; Concept of pH and buffers In "Introduction to laboratory techniques for the life Sciences" edited by Elendu.C. Onwuchekwa and Solomon .N. Umeham. Research and Academic Publishers, Okigwe, Nigeria.
81. **E. Iweala** and O.T. Ukairo; Electrophoresis; In "Introduction to laboratory techniques for the life Sciences" edited by Elendu.C. Onwuchekwa and Solomon .N. Umeham. Research and Academic Publishers, Okigwe, Nigeria.
82. B.O. Ekpo and **E. Iweala**; HIV/AIDS and the Immune system. In "Understanding the scourge, HIV/AIDS" by Augustus Mbanaso and Emmanuel Akubugwo. ABSU Press Limited, Abia State University, Uturu, Nigeria.

- **Unpublished Conference Abstracts, Papers and Posters:**

1. Nwachi, C.P., and **Iweala, E.E.J.**, 2018. Biochemical and Histological Responses of *Gnetum Africanum* and *Talinium Triangulare* Supplemented Diets in Rats.
2. **Iweala, E.E.J.**, Udegbe, S.A., Fatiregun, O, Rotimi, S.O. 2017. Determination of Biochemical Parameters and Hexokinase Expression in Breast Cancer Patients.
3. Rotimi, S.O., Ogo, C.N., Ogunlana, O.O., Chinedu S.N. and **Iweala, E.E.J.**, 2016. Preliminary Investigation of CYP3A4 Polymorphism in Some Prostate Cancer Patients in Nigeria.
4. Kanu E.F., Rotimi, S.O., Ogo, C.N. and **Iweala E.E.J.**, 2016. Antioxidant, Lipid and Liver Enzyme Profile of Prostate Cancer Patients in Nigeria.
5. Udegbe, S.A. and **Iweala, E.E.J.**, 2016. Biochemical Responses to *Pterocarpus mildbraedii* and *Vernonia amygdalina* Supplemented Diets in Albino Rats.
6. Jide-Ayangbesan, M.V. and **Iweala, E.E.J.**, 2016. Liver enzyme and Cholesterol profile of Breast cancer Patients in Lagos.
7. **Iweala, E.E.J.**, 2014. Bio-behavioral Concepts in Prostate Cancer Risk Factors.
8. **Iweala, E.E.J.** and Zhang, Y., 2013. Chemopreventive Studies of Some Commonly Consumed Nigerian Vegetables, Seeds and Fruits.
9. **Iweala, E.E.J.** and V.O. Osezua., 2012. Biochemical Effects of Co-administration of *Vernonia amygdalina*, *Azadirachta indica*, and *Panax ginseng* in alloxan - induced diabetic rats.
10. **Iweala, E.E.J.** and V.C. Umeh, 2012. Biochemical Effects of combined extracts of *Gongronema latifolium* and *Vernonia amygdalina* and selenium supplementation in alloxan-induced diabetic rats.

11. **Iweala, E.E.J.** and O.A. Adesanoye, 2011. Biochemical and histological responses to Gongronema latifolium extract and selenium supplementation by alloxan-induced diabetic rats.
  12. Oludare, F.D. and **E.E.J. Iweala**, 2010. Effects Of Ethanolic Extracts Of Seeds Of Spondias mombin and Parinari polyandra On Some Biochemical parameters In Alloxan-induced Diabetic Rats.
  13. **Iweala, E.E.J.** and M.E. Chukwu, 2009. Some hepatic and antioxidant parameters in rats fed a diet supplemented with seeds of Cocus nucifera L.
  14. **Iweala, E.E.J.** and O.A. Maduagwu, 2009. Protein, triglyceride and malondialdehyde responses to malting of *Zea mays* and *Panicum milaiceum* seeds at extreme pH.
  15. **Emeka. E.J Iweala** and Chika. S. Ezekwere, 2005. The effects of consumption of vegetable-supplemented diets on the concentration of 4-aminoquinoline.
  16. **Iweala E.E.J** and Okoye, E.J., 2004. The effect of a lipid and carbohydrate deficient diets on the concentration of co-trimoxazole and sulphadoxine-pyremethamine in rats.
  17. **Iweala et al.**, 2002. Local dietary and non-dietary plants and fruits as potential sources of antisickling agents.
  18. **Iweala, Emeka .E.J** and Obidoa O., 1999. Effects of aqueous extract of A. indicia on swine intestinal amylase.
  19. **Iweala, Emeka .E.J.**, 1998. Preliminary identification of Cancer Chemopreventive agents in some local vegetables.
  20. **Iweala, Emeka .E.J** and Obidoa Onyechi, 1995. Characterization of castanospermine-like alkaloids from some tropical legumes and their effect on rat liver glycosidase activity.
- **Conferences/Training/Meetings:**
    - AAU Workshop on Research Leadership, Communication, Partnerships and Collaboration which held on 11<sup>th</sup> to 14<sup>th</sup> March, **2019** at the Nairobi Safari Club Hotel, Nairobi, Kenya.
    - 10<sup>th</sup> AAU-World Bank ACE Workshop and ACE Impact Boot camp held on 18<sup>th</sup> to 27<sup>th</sup> February, **2019** at the University of Djibouti, Djibouti.
    - 7<sup>th</sup> African Centres of Excellence National Project Performance Review Committee (NPPRC) Meeting held on 7<sup>th</sup> to 8<sup>th</sup> February, **2019** at the National Universities Commission, Abuja, Nigeria.
    - Nigerian Breast Cancer Consortium (NBC<sup>2</sup>) Meeting held on 4<sup>th</sup> to 5<sup>th</sup> February **2019** at the National Hospital, Abuja, Nigeria.
    - EU-UNIDO-NQIP Training Course on Total Quality Management (TQM) held on 26<sup>th</sup> to 30<sup>th</sup> November, **2018** at Covenant University, Ota, Ogun State, Nigeria.

- African Women in Agricultural Research and Development (AWARD) Research Proposal Writing Skills Course held on 6<sup>th</sup> to 8<sup>th</sup> September, **2018** at Covenant University, Ota, Ogun State, Nigeria.
- African Women in Agricultural Research and Development (AWARD) Leadership Program for Research and Development held on 3<sup>rd</sup> to 5<sup>th</sup> September, **2018** at Covenant University, Ota, Ogun State, Nigeria.
- Nigerian Society for Experimental Biology (NISEB) held on 1<sup>st</sup> to 4<sup>th</sup> July, **2018** at Landmark University, Omu-Aran, Kwara State, Nigeria
- National Health Research Ethics Committee-Bioethics Society of Nigeria Training Workshop held on 10<sup>th</sup> to 11<sup>th</sup> May, **2018** at Covenant University, Ota, Ogun State, Nigeria.
- European Society for Medical Oncology (ESMO) Symposium on Signalling Pathways in Cancer held on 23<sup>rd</sup> to 24<sup>th</sup> March, **2018**, at Vall'd Hebron General Hospital, Barcelona, Spain.
- 47<sup>th</sup> Convention of the Nigeria Society of Biochemistry Students held on 6<sup>th</sup> to 9<sup>th</sup> December, **2017** at the University of Nigeria, Nsukka, Enugu State, Nigeria.
- 36<sup>th</sup> Annual Conference of the Nigeria Society of Biochemistry and Molecular Biology (NSBMB) held on 13<sup>th</sup> to 17<sup>th</sup> November, **2017** at the Entrepreneurial Center Conference Hall, University of Uyo, Uyo, Akwa Ibom State, Nigeria.
- 11<sup>th</sup> International Conference on Cancer in Africa (AORTIC 2017) held on 7<sup>th</sup> to 10<sup>th</sup> November, **2017** at the Kigali Convention Center, Kigali, Rwanda.
- CaPTC-NBCC-ARGO Tri-consortia Pathology Workshop held on 3<sup>rd</sup> to 4<sup>th</sup> November, **2017** at the Department of Pathology and Forensic Medicine, Lagos State University Teaching Hospital, Ikeja, Nigeria.
- National Prostate Cancer Research Summit held on 5<sup>th</sup> – 6<sup>th</sup> July, **2017** at the National Hospital, Abuja, Nigeria.
- Quantitative Proteomics Workshop held on 22<sup>nd</sup> -23<sup>rd</sup> May, **2017** at the University of Liverpool in London, London, UK.
- 2<sup>nd</sup> International Conference on Biosciences Research (ICBR-2016) held on 24<sup>th</sup> -27<sup>th</sup> November, **2016** at the Newton Hotels Owerri, Imo State, Nigeria.
- The 4<sup>th</sup> Biennial Science of Global Prostate Cancer Disparities in Black men Conference held on 9<sup>th</sup> – 12<sup>th</sup> November, **2016** at University of Florida Academic and Research Center, Orlando, Florida, USA.
- 35<sup>th</sup> Annual Conference of the Nigeria Society of Biochemistry and Molecular Biology (NSBMB) held on 1<sup>st</sup> to 4<sup>th</sup> November, **2016** at the African Leadership Development Center, Covenant University, Ota, Ogun State, Nigeria.

- Cancer Genomics and Bioinformatics Workshop held on 17<sup>th</sup> October, **2016** at the Center for Entrepreneurial Development Studies, Covenant University, Ota, Ogun State, Nigeria.
- 6<sup>th</sup> International Biotechnology Conference, Exhibition and Workshop (IBCE&W 2016) held on 6<sup>th</sup> -7<sup>th</sup> June, **2016** at the Center for Learning Resources, Covenant University, Ota, Ogun State, Nigeria.
- 3<sup>rd</sup> Covenant University International Conference on African Development Issues held on 9<sup>th</sup> - 11<sup>th</sup> May, **2016** at the African Leadership Development Center (ALDC), Covenant University, Ota, Ogun State, Nigeria.
- The 107<sup>th</sup> American Association of Cancer Research Annual Meeting, held on 16<sup>th</sup> - 20<sup>th</sup> April, **2016** at the Ernest Morial Convention Center, New Orleans, Louisiana, USA.
- National Health Research Ethics Committee-Bioethics Society of Nigeria Training Workshop held on 13<sup>th</sup> to 15<sup>th</sup> October, **2015** at Covenant University, Ota, Ogun State, Nigeria.
- National Cancer Institute's (NCI)/Cancer Prevention Fellowship Program (CPFP) "Molecular Prevention Course", Rockville, Maryland, USA, August, **2015**.
- National Cancer Institute's (NCI)/Cancer Prevention Fellowship Program (CPFP) "Principles and Practice of Cancer Prevention and Control Course", Rockville, Maryland, USA, July, **2015**.
- National Cancer Institute's (NCI) John Milner Nutrition Prevention Research Practicum, Rockville, Maryland, USA, March, **2015**.
- HDEART's 12<sup>th</sup> Annual Disparities in Health in America Summer Workshop, Texas, USA, July, **2014**.
- The 3<sup>rd</sup> Biennial Science of Global Prostate Cancer Disparities in Black men Conference held on 5<sup>th</sup> - 8<sup>th</sup> November, **2014** at Hilton Rose Hall Resort and Spa, Montego Bay, Jamaica.
- The Nigeria Prostate Cancer Research Symposium (NPCRS) held on 4<sup>th</sup> - 5<sup>th</sup> September, **2014** at Covenant University, Ota, Nigeria.
- Symposium of Functional Phytochemicals Research and Utilization held on 23<sup>rd</sup> - 25<sup>th</sup> October, **2013** at Guilin International Hotel, Guangxi, Guilin, China.
- 32<sup>nd</sup> Annual Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) held on 14<sup>th</sup> - 17<sup>th</sup> November **2012** at the University of Calabar, Calabar, Nigeria.
- 12<sup>th</sup> Annual Conference of the Nigerian Society for Experimental biology (NISEB) held on 14<sup>th</sup> - 17<sup>th</sup> March, **2012** at the University of Benin, Benin city, Nigeria.
- National Institutes of Health (NIH) "Principle and practice of Clinical Research Workshop", University of Ibadan. **2011**.



- 31<sup>st</sup> Annual Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) held on 31<sup>st</sup> October –3<sup>rd</sup> November **2011** at the University of Nigeria, Nsukka, Nigeria.
- International Biotechnology Symposium (IBS 2010) of Covenant University held on 22<sup>nd</sup> – 26<sup>th</sup> March, **2010** at Covenant University, Ota, Ogun State, Nigeria.
- 29<sup>th</sup> Annual Scientific Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) held on 6<sup>th</sup>–9<sup>th</sup> December **2009** at the Federal University of Technology, Akure, Nigeria.
- International Biotechnology Symposium of Covenant University held on 28<sup>th</sup> – 30<sup>th</sup> April, **2009** at Covenant University, Ota, Ogun State, Nigeria.
- Extraordinary conference of the Nigerian Society for Experimental biology (NISEB) held on 5<sup>th</sup> – 9<sup>th</sup> July, **2005** at the Igbinedion University, Okada, Nigeria.
- 24<sup>th</sup> Annual Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) held on 24<sup>th</sup>–27<sup>th</sup> November **2004** at the University of Calabar, Calabar, Nigeria.
- 22<sup>nd</sup> Annual Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) held on the 18<sup>th</sup> – 21<sup>st</sup> September **2002** at the Ahmadu Bello University, Zaria, Nigeria.
- 19<sup>th</sup> Annual Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) held on 30<sup>th</sup> – 31<sup>st</sup> March **1999** at the University of Benin, Edo State, Nigeria.
- 29<sup>th</sup> Annual Conference of the Nutrition Society of Nigeria (NSN) held on 2<sup>nd</sup> - 5<sup>th</sup> November **1998** at Atunrase Royal Castel Hotel Sagamu, Ogun State, Nigeria.
- 22<sup>nd</sup> Annual Conference of the West African Society for Pharmacology (WASP) held on 18<sup>th</sup> –21<sup>st</sup> October, **1995** at the University of Jos, Plateau state, Nigeria.
- **Special Academic Presentations:**
  - Funding Opportunities in Nigeria, A lecture delivered at the Inaugural Nigerian Breast Cancer Consortium (NBC<sup>2</sup>) Meeting held on 4<sup>th</sup> to 5<sup>th</sup> February 2019 at the National Hospital, Abuja, Nigeria.
  - Covenant University Strategic Plan: Matters Arising. A lecture delivered at the Covenant University Executive Advance 2018/2019 held on 7<sup>th</sup> to 10<sup>th</sup> August, **2018** at the African Leadership Development Center, Covenant University, Ota, Ogun State, Nigeria
  - Biochemistry as a tool for Sustainable Development. The keynote lecture delivered at 47<sup>th</sup> Convention of the Nigeria Society of Biochemistry

Students held on 6th to 9th December, 2017 at the University of Nigeria, Nsukka, Enugu State, Nigeria.

- Biochemistry and the Cancer Continuum: Paradigms for Sustainable Development. The “Olumbe Bassir” Lecture delivered at the 36<sup>th</sup> Annual Conference of the Nigeria Society of Biochemistry and Molecular Biology (NSBMB) held on 13th to 17th November, 2017 at the Entrepreneurial Center Conference Hall, University of Uyo, Uyo, Akwa Ibom State, Nigeria.
  - Molecular Biology: Avenue to Understanding and Controlling Cancer. The keynote address delivered at the 2nd International Conference on Biosciences Research (ICBR-2016) held on 24<sup>th</sup> -27<sup>th</sup> November, 2016 at the Newton Hotels Owerri, Imo State, Nigeria.
  - Advances in Global Prostate Cancer Research in Nigeria. A plenary presentation at the 4th Biennial Science of Global Prostate Cancer Disparities in Black men Conference held on 9th - 12th November, 2016 at University of Florida Academic and Research Center, Orlando, Florida, USA.
  - Developing Outstanding Research Scholarship in Low Resource Countries. A presentation at a round table discussion during the 4th Biennial Science of Global Prostate Cancer Disparities in Black men Conference held on 9th - 12th November, 2016 at University of Florida Academic and Research Center, Orlando, Florida, USA.
  - Cancer Metabolism: Potential Target for Cancer Therapy. A seminar presented on 22<sup>nd</sup> January, 2016 at the Departmental Seminar of Department of Biological Sciences, Covenant University, Ota, Nigeria.
  - BBC Breakfast Interview on Prostate Cancer Research in Black Men on 14<sup>th</sup> November, 2016 at Department of Biological Sciences, Covenant University Ota, Nigeria (<pic.twitter.com/4gHReiGRDx>).
  - Cancer: An interview session on Cancer held on 14<sup>th</sup> September, 2016 at the Covenant University e-Health Series (Telemedicine series), Covenant University, Ota, Nigeria, (<https://youtu.be/tu2VIaUT07o>).
  - The place of Science and Technology in the life of the Nigerian Student. A paper presented at the FME-Nigeria/UNESCO Project with the theme; Exposing Inspectors to new trends in Effective Learning techniques in Mathematics, Science and Technology Education, 6<sup>th</sup> -9<sup>th</sup> November, 2006, University of Lagos.
- **B.Sc., M.Sc., Ph.D. Supervision:**
    - Undergraduate*
      - B.Sc. – Over One hundred (100) Students
    - Postgraduate*
      - A. Completed**

1. Phytochemical and Biochemical Studies of *R. heudelotti*. **Ph.D** Thesis, Yakubu, O. F. 2018 (Co-Supervision)
2. Biochemical Parameters. Hexokinase II Expression and Methylation in Breast Cancer Patients in Nigeria. **M.Sc.** Dissertation, Udegbe, S., 2017.
3. Synthesis, Surface Modification and Characterization of Optimized Magnetic Nanoparticles for Potential Biomedical Applications, **Ph.D.** Thesis, Ehi-Eromosele, C.O, 2015 (Co-supervision)
4. Anti-proliferative effect of Ethanolic extract of *Xylopia aethiopica* (Dun.) Rich fruits on Prostate and Breast cancer cells. **M.Sc.** Dissertation, Bankole, W.E, 2015.
5. Biological Effects of *Garcinia kola* Heckel and *Moringa Oleifera* Lam in testosterone-induced benign prostatic hyperplasia in albino Wistar Rats. **M.Sc.** Dissertation, Odiba, J.K, 2015
6. Effects of leaves of *Corchorus olitorius* L. and *Sesamum indicum* L on Biochemical parameters in carbon tetrachloride-induced liver Damage in Male Wistar Rats. **M.Sc.** Dissertation, Okedoyin, A.G., 2013
7. Chemopreventive effects of leaves of *Solanum macrocarpon* L. and *Celosia agenta* var *cristata* in testosterone-induced prostate hyperplasia in Wistar Albino Rats. **M.Sc.** Dissertation, Ogidigo, J. O, 2013

#### **B. In Progress**

8. Antiproliferative and Chemopreventive effects of four Nigerian plants on breast and prostate cancer. Ph.D Thesis, Famakinwa, T. O
9. Phytochemical, Antibacterial and Toxicological Analyses of Extracts from Fruit Skin and Leaf of Soursop (*Anona muricata* Linn.). Ph.D Thesis, Iyanda-Joel W. O. (Co-Supervision)
10. Expression of Carbohydrate and Lipid metabolizing enzymes in Prostate Cancer patients in Nigeria. Ph.D Thesis, Idagbon, F. E.
11. Genetic Aberrations associated with cervical cancer. Ph.D Thesis, Buraimoh, F.
12. Production and Optimization of Fungal Pectinases for Clarification of Citrus Juices, Ph.D. Thesis, Ametefe, G.D. (Co-Supervision)
13. Cyclin dependent kinases in Prostate cancer. Ph.D., Dania, Elizabeth

- **External/Internal Examination Engagement:**

1. External Examiner (Postgraduate), Department of Applied Biochemistry, Nnamdi Azikiwe University of Awka, Anambra State, Nigeria (2018 - Present)

2. External Examiner (Postgraduate), Department of Biochemistry, University of Ilorin, Ilorin, Kwara State, Nigeria (2018)
  3. External Examiner (Postgraduate), Department of Biochemistry, Michael Okpara University of Agriculture, Umudike, Abia State, Nigeria (2018)
  4. External Examiner (Postgraduate), Department of Biochemistry, Abia State University, Uturu, Abia State, Nigeria (2017).
  5. Internal Examiner/Assessor (Postgraduate), Covenant University, Ota, Ogun State, Nigeria (2011 - Present).
- **External/Internal Professorial Assessment Engagement:**
    1. External Professorial Assessor, Nnamdi Azikiwe University of Awka, Anambra State, Nigeria (2019).
    2. External Professorial Assessor, Igbenedion University, Okada, Edo State, Nigeria (2018).
    3. Internal Professorial Assessor, College of Science and Technology, Covenant University, Ota, Ogun State, Nigeria (2016-Present).
  - **Editorial Engagement:**
    - Chief Editor, Open Journal of Bioscience Research (OJBR) (2017 – Present).
    - Member, Editorial Board, Nigerian Journal of Biochemistry and Molecular Biology (2016 – Present).
    - Editor, Proceedings of Covenant University International Conference on African Development Issues, 2015.
    - Member, Editorial Board, International Journal of Plant Physiology and Biochemistry ([www.academicjournals.org/IJPPB](http://www.academicjournals.org/IJPPB)). (2013 – Present).
    - Member, Editorial Board, Covenant Journal of Life Sciences (2013 – Present).
  - **Academic Linkages:**
    - **External Research Collaborations:**
      1. Member, Research Advisory Committee, Prostate Cancer Transatlantic Consortium (CaPTC), University of Florida, Florida, USA.
      2. Affiliate Member, University of Florida Health Cancer Center, Florida, USA.
      3. Visiting Scholar, Plant Resources and Chemistry of Traditional Chinese Medicine Research Group, State Key Laboratory of Phytochemistry and Plant Resources, Kunming Institute of Botany (KIB), Kunming, China.
    - **Membership of Learned Societies and Professional Bodies:**
      1. Member, Nigerian Society of Biochemistry and Molecular Biology (NSBMB).
      2. Member, Biochemical Society, London, United Kingdom (Membership No. 01074490).

3. Member, American Association for Cancer Research (**AACR**) (Membership No. 345989).
  4. Member, European Association for Cancer Research (**EACR**) (Membership No. EACR24201).
  5. Member, African Organization for Research and Training in Cancer (**AORTIC**) (Membership No. IWE002).
  6. Member, Nigerian Institute of Food Science and Technology (**NIFST**) (Membership No. 05/3283/M).
  7. Member, Nigerian Society for Experimental Biology (**NISEB**).
- **Research Cluster/Group:**
    1. Covenant University Public Health and Wellbeing Research Cluster (CUPHWERC)
    2. Cancer Prevention Research Group/CaPTC-Covenant University
    3. Biotechnology Research Cluster
    4. Protein Sweetner Research Group
  - **Current Research:**
    1. Phytochemical and Chemopreventive Studies of Selected Nigerian Vegetables, Seeds and Fruits.
    2. Molecular and Biochemical Characterization of Common Cancers in Nigeria.
    3. Chemoprevention and prevalence of Prostate and Breast cancer in Nigeria.
    4. Hepatoprotective and Anti-diabetic Potentials of Some Nigerian Plants.
    5. Toxicity of selected Nigerian foods and drinks.
    6. Prevalence and awareness of Public health diseases in Ota, Ogun State.
    7. Nanoparticles and their applications in Cancer therapy.
    8. Biocatalysts from Microorganisms, plants and animals.
  - **Collaborations attracted to Covenant University:**
    - CaPTC-Covenant University research collaboration on Prostate Cancer Research in Africa, USA and UK (2016 - Present).
    - Establishment of a vaccine storage facility at the Covenant University Health Center under the auspices of Covenant University Public Health and Well being Research group/Covenant University Community Development Impact Initiative Committee and Adodo/Ota LGA, Ogun State. (2013)
    - Signing of MOU between Covenant University and Adodo/Ota LGA, Ogun State under the auspices of Covenant University Public Health and Wellbeing Research group (CUPHWERG). (2013)

- **University Committee Membership:**

- A. Standing/Ad-hoc Committees**

1. Chair, Research and Development Committee (2018 – Present)
2. Chair, Curriculum Committee, (2018 – Present)
3. Chair, Ad-hoc Committee on African Centre of Excellence IMPACT Application (2018)
4. Chair, Ad-hoc Committee on Strategic Planning & Promotion Criteria (2017 – 2018)
5. Member, Covenant University Health Research Ethics Committee (2015 – Present)
6. Member, Local Organizing Committee, CU-ICADI (2015, 2016 & 2018)
7. Member, Covenant University Senate (2014 – Present)
8. Member, Ad-hoc Committee on Strategic planning (2014 – 2015)
9. Member, LOC (Exhibition Sub Committee), 10<sup>th</sup> Founder's day Anniversary, Covenant University, Ota (2012).
10. Member, LOC, AVCNU Conference (2011), Covenant University, Ota.
11. Member, Postgraduate Admission Screening Committee, Covenant University, Ota (2011 -Present).
12. Member, University-Industry Forum Organizing Committee, Covenant University, Ota (2011).
13. Member, CUSAT Screening Panel, Covenant University, Ota (2010 – 2011).

- B. College of Science and Technology Committees**

1. Member, College of Science and Technology Postgraduate Committee, Covenant University, Ota, (2018 – 2019).
2. Member, College of Science and Technology Curriculum Committee, Covenant University, Ota, (2016 – 2018).
3. Member, College of Science and Technology Research Committee, Covenant University, Ota (2010 – 2014).

- C. Department of Biological Sciences/Biochemistry Committees**

1. Coordinator, Postgraduate Programme, (2018 - 2019)
2. Chairman, Curriculum Committee (2017 - 2018).
3. Chairman, Seminar and Training Committee (2017 - 2018).
4. Convener, Covenant University Biocheminar, 2016.
5. Chair, LOC, 35<sup>th</sup> Nigerian Society for Biochemistry and Molecular Biology, 2016.
6. Chair, LOC, International Cancer Genetics and Bioinformatics Training Workshop, Covenant University, Ota, 2016.
7. Chair, Final Year Research Project (2016 -2017).
8. Chair, Departmental Seminar and Training Committee (2015 -2016).
9. Chair, LOC, First Nigerian Prostate Cancer Research Symposium, 2014.
10. Member, LOC, International Biotechnology Symposium, Covenant University, Ota (2010 - 2015).

11. Member, Departmental Appointments and Promotion Committee, Covenant University, Ota (2011 – Present).
12. Member, Curriculum Development Committee (2012 –Present).
13. Member, Postgraduate Board (2011 – Present).

- **Mentoring:**

1. Level adviser, Biochemistry Programme (2010 – 2013).
2. Teaching of Undergraduate and Postgraduate courses and Supervision of Research.

- **Community Service:**

1. Supervision of free medical screening and treatment under the auspices of Covenant University Community Impact Initiative during the World Malaria Day **2013**, at Ketu-Adie-Owe, Adodo-Ota, Ogun State, Nigeria.
2. Supervision of free medical screening and treatment under the auspices of Covenant University Community Impact Initiative during the World Malaria Day **2012**, at Ilogbo, Adodo-Ota, Ogun State, Nigeria.
3. Supervision of free medical screening and treatment under the auspices of Covenant University Community Impact Initiative during the World Health Day **2012**, at Iyana Iyesi, Adodo-Ota, Ogun State, Nigeria.
4. Donation of free medical supplies and Supervision of free high blood pressure and diabetes screening under the auspices of International Biotechnology Symposium (**IBS**) **2011** to Primary health centers at Atan and Iju, Adodo-Ota, Ogun State, Nigeria.
5. Deworming programme for Children in Ugba, Ibeku, Umuahia (**2008**) under the auspices of Rotary Club of Umuahia Central.
6. President, Rotary Club of Umuahia Central (**2008 – 2009**).

- **Career Plan and Progression:**

1. Immediate goal: To be an outstanding Researcher in Biochemistry, Nutrition and Cancer Prevention.
2. Mid-term goal: To establish a functional and sustainable cancer research group.
3. Long-term goal: To head an Academic/Research Institution or Government Agency.

- **Extra-Curricular Activities:**

- Watching Football
- Playing Chess
- Jogging
- Travelling
- Going to the Beach

- Internet Surfing
- Exploring Nature and Wild life

- **Name and Addresses of Referees:**

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