

NAME: ODOH UCHENNA ESTELLA

DEPARTMENT: Pharmacognosy and Environmental Medicines

W2WDFFACULTY: Pharmaceutical Sciences

DESIGNATION: Professor

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BIOGRAPHY

Uchenna Estella Odoh was born to the family of Sir and Lady Johnson Chibuzo Ezeora (Knight of St. Paul) of Amelugwu Obimo in Nsukka Local Government Area of Enugu State. She is married to Hon. Dr. Fidelis Odoh of Edem, Ihapku-Awka, Igbo-Eze Local Government Area of Enugu State and the marriage is blessed with children.

She had her primary education at Central School Nsukka and secondary school at Urban Girl's secondary School Nsukka. She received her Bachelor's degree in Pure and Industrial Chemistry in 1992, Master's Degree in Pharmaceutical and Medicinal Chemistry (1997), Ph.D in Pharmaceutical and Medicinal Chemistry (2005) and Master's Degree in Pharmacognosy and Environmental Medicine (2010), all from the University of Nigeria, Nsukka.

She joined the services of the University of Nigeria, Nsukka in 2000 as an academic staff (Assistant Lecturer) and rose through ranks to a Professor in the Department of Pharmacognosy and Environmental Medicine, Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka in 2014.

She has researched and worked in various aspect of Pharmaceutical Sciences and has a continuous interest in medicinal plants with over 15 years experience in Natural Products Research. She has attended and presented research papers in several conferences and workshops within and outside the country, has over 60 scientific publications in both national and international journals of repute, 30 conference abstracts, author (5 books), contributor to some books (4), editorial board member(3) and reviewer to some national and international scientific journals (12).

She has served as Head of Department of Pharmacognosy and Environmental Medicines (2011 – 2014), acted as Head of Department in the absence of the substantive Head (February 2003 – April 2003 and November, 2015 – July, 2016), Member, University of Nigeria senate (2014 – date), Assistant Coordinator Anti-diabetic Research Group (ADREG) and Chairman/member of many Faculty committees.

RESEARCH INTEREST

- Natural Products Chemistry/ Phytochemistry (Isolation, Characterization and Biological Evaluation of extracts, isolated compounds and formulations from plants)

- Standardization and stability studies of herbal drugs and nutraceuticals of natural origin
- General quality control methods for herbal drugs and protocol development for medicinal plant materials.

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- Nigerian Society of Pharmacognosy
- Chemical Society of Nigeria
- Royal Society of Chemistry, Britain
- Society of Medicinal Plant Research, Germany
- American Chemical Society
- American Society of Pharmacognosy
- Organization of Women in Science for the Developing World (OWSD)
- Western Africa Network of Natural Products Research Scientists (WANNPRES).

AWARDS/AWARDING BODIES

- TWAS-CSIR Post Doctoral Fellowship Award at the Indian Institute of Integrative Medicine, Jammu, India (2017).
- 1st Pan-African Summer School Award in Nanomedicine organized by the African Centre of Excellence in Nanomedicine together in collaboration with the South African Council for Scientific and Industrial Research (CSIR) and the South African Department of Science and Technology (DST) held at Pretoria, South Africa (2012).
- Institutional Based Research Fund from Tertiary Education Trust Fund (TETFUND), Federal Government of Nigeria, 2015 for Investigation on naturally occurring bioactive compounds with glucose lowering properties for the treatment of diabetes.
- Institutional Based Research Fund from Tertiary Education Trust Fund (TETFUND), Federal Government of Nigeria, 2015 for a paper presentation at the 2015 Annual meeting of the Royal Society of Chemistry (RSC), Britain held at Norwich, United Kingdom March (2015).
- Institutional Based Research Fund from Tertiary Education Trust Fund (TETFUND), Federal Government of Nigeria, 2014 for a paper presentation at the 2014 American Society of Pharmacognosy (ASP) Annual Meeting & the 14th Annual International Conference on the Science of Botanicals (ICSB) held at Oxford, Mississippi, USA, August (2014).
- Best IO most friendly Lecturer, University of Nigeria, Nsukka (2015)
- Meritorious service Award, Pharmaceutical Association of Nigerian Students (PANS), UNN Chapter (2014)
- Award of Excellence by Pharmaceutical Association of Nigeria Students PANS, UNN Chapter (2013).

- Vocational Service Award by Rotaract Club of the University of Nigeria, Nsukka (2013).
- Best Lecturer Award, Department of Pharmacognosy and Environmental Medicines, Faculty of Pharmaceutical Sciences, University of Nigeria (2012)
- Award of Excellence by Pharmaceutical Association of Nigeria Students PANS, UNN Chapter (2012).
- Award of Honour by Catholic Pharmacy Students Association of Nigeria (CAPSAN) University of Nigeria, Nsukka Chapter (2011)
- Award of Excellence by Catholic Pharmacy Students Association of Nigeria (CAPSAN) University of Nigeria, Nsukka Chapter (2010)
- Medical noble Award by the Institute of Industrial Administration of Nigeria (2008).

Institutions visited within and outside our border in the cause of her academic activities (researches, conferences, workshops/trainings):

- Obafemi Awolowo University Ile Ife
- University of Jos
- University of Lagos
- University of Benin
- Nnamdi Azikiwe University Awka
- Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ashanti, Ghana
- The Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa
- Centre for Natural Product Research, University of Mississippi, USA
- John Innes Centre Laboratory, Norwich, United Kingdom
- Chemistry Laboratory, University of Warwick, United Kingdom
- Paris Sciences et Lettres (PSL) Research University Paris, France
- Biocenter (Research Center for infectious Diseases) of the University of Wurzburg, Germany
- Chemistry Laboratory, College of Liberal Arts and Science, University of Colorado, Denver, USA.
- Indian Institute of Integrative Medicine Jammu, India
- Thermo Scientific New Delhi, India.
- The Council for Scientific and Industrial Research (CSIR), Anusandhan Bhawan, New Delhi, India
- University of Jammu, India

She has successfully supervised several undergraduate and M.Pharm/M.Sc projects and dissertations. Currently she is supervising many Master's and PhD students. She has served as both internal and external examiners for postgraduate students in University of Nigeria,

Nsukka and as External Examiner in Nnamdi Azikiwe University Awka and Madonna University Elele.

COMMUNITY SERVICE

- Chairperson Igbo Eze South Local Government Area (2015 – date)
- President, CWO St. Anthony's Market Road Zone, St. Peter's Chaplaincy, University of Nigeria, Nsukka (2015 – 2018).
- Secretary CWO Home and abroad Ascension Parish Ihakpu Awka (2006 – 2012)
- Patroness, Catholic Association of Pharmacy Students Association of Nigeria (CAPSAN), University of Nigeria, Nsukka Chapter (2004 – date)
- Vice President Ihakpu Awka Women Association, Home and abroad (2010 - date)
- Chairperson of the Constitution Committee Ihakpu Awka women association (2010 – date)
- Academic Adviser Ihakpu Awka Undergraduate Association, University of Nigeria, Nsukka (2002 –date)
- Patroness, Obimo Undergraduate Association, University of Nigeria, Nsukka (2002-till Date)
- President Ihakpu Awka Unique Mothers Association Nsukka Branch (2003 – 2014)
- Secretary Otu Chinedu Women Association Ihakpu Awka, Nsukka Branch (2004 – 2005)
- Secretary Constitution Committee of Ihakpu Awka Women Association, Nsukka branch (2014 – date).

PUBLICATIONS:

A BOOKS

1. Herbal Alternatives to Diabetes Management (Co-authored 2016).
2. Chromatographic techniques in medicinal plant analysis (Co-authored, 2012).
3. Techniques in Macroscopical and Microscopical examinations of crude drugs (Co-authored, 2012).
4. Determination of Pharmacognostic standards of medicinal plants (Co-authored, 2011).
5. Laboratory techniques in Phytoevaluation (Co-authored, 2010).

B JOURNAL ARTICLES

1. **Uchenna E. Odoh**, Philip F. Uzor, Chidimma L. Ezea, Theophine C. Akunne, Chukwuma M. Onyegbulam, Patience O. Osadebe (2018). Medicinal plants used by the people of Nsukka Local Government Area, South-eastern Nigeria for the treatment of malaria: An ethnobotanical survey. *J. E.thnopharmacol.* 218:1-15.
2. **Odoh, U. E.**, Chekwube, V. O., Onugha, D. E. (2018). The Phytochemical and Analgesic/Antinociceptive evaluation of methanol extract of *Newboudia laevis*

(Bignoniaceae) leaves using animal models. *Journal of Pharmacognosy and Phytochemistry*, vol. 7, Issue 5

3. Chekwube, V. O., Ezugwu, C. O., **Odoh, U. E.**, Inya-Agha, S. I., Ugwuja, C. O. (2018). Pharmacognostic Standardization of the leaf of *Fadogia cienkowski* Shein (Rubinaceae). *Journal of Pharmacognosy and Phytochemistry*, vol. 7, Issue 5
4. Felix N. Osuala Stella I. Inya-Agha, **Uchenna E. Odoh**, Christopher O Ezugwu, Sylvester C. Ohadoma (2018). Pharmacognostic Studies on the Seeds of *Picralima Nitida* Stapf (Apocynaceae). *International Journal of Pharmacy*, 109: 548 -563.
5. Felix N. Osuala and **Uchenna E. Odoh** (2017). Isolation and characterization of anti-sickling bioactive compounds from seeds of *Picralima nitida* Sapf (Apocynaceae). *Asian Journal of Pharmaceutical Technology and Innovation*, 05 (23): 79 – 85.
6. **Odoh, U. E.**, Udodeme, H. O., Ugwu, N. P., Diovu, E. O and Ezugwu C.O. (2016) Lactogenic studies of *Stachytarpheta jamaicensis* Linn. (Vahl) family (Verbenaceae) leaves on serum prolactin level of lactating albino rats. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* 11(4), Ver. 3, 79-89.
7. **Odoh U. E.**, Onugha V. O. and Chukwube V. O. (2016). Evaluation of antidiabetic effect and hematological profile of methanol extract of *Ceiba pentandra* G (Malvaceae) stem bark on alloxan-induced diabetic rats. *African Journal of Pharmacy and Pharmacology* Vol. 10(28), 584-590.
8. Udodeme, H. O., **Odoh, U. E.**, Ugwu, N.P. and Ezugwu, C.O. (2016). Pharmacognostic studies on the leaves of *Stachytarpheta jamaicensis*. *International Journal of Pharmacy and Pharmaceutical Research (IJPPR)*, 8 (9), Article 2
9. Okonta Eleje Oboma, **Odoh Estella Uchenna**, Chukwube Vincent, Okafor Sunday Nwankwo and Ezugwu Christopher Obodike (2016). Phytochemical Investigation And Evaluation Of Larvicidal Property Of Leaf Extracts Of *Hyptissuaveolens* (L.) Poit against *Aedes aegypti* (Linn.) (Diptera; Culicidae). *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* 11(1), 71-75.
10. Patience O. Osadebe¹, **Estella U. Odoh** and Philip F. Uzor (2015). Oral anti-diabetic agents-review and updates. *British Journal of Medicine and Medical Research* 5(2): 134-159.
11. Patience O. Osadebe¹, **Estella U. Odoh** and Philip F. Uzor (2014). Natural products as potential sources of antidiabetic drugs. *British Journal of Pharmaceutical Research*, 4(17): 2075-2095.
12. **Odoh U. E.**, Ndubuokwu R.I., Inya- Agha S.I, Osadebe P.O., Uzor P.F. Ezejiofor M. (2014). Antidiabetic activity, biochemical parameters and phytochemical screening of *Acalypha wilkesiana* (Euphorbiaceae) Mull Arg. roots in alloxan-induced diabetic rats. *Scientific Research and Essays*, Vol .9(7): 204 – 212.
13. Theophine C Okoye, Peter A Akah, Adaobi C Ezike, Philip F Uzor, **Uchenna E Odoh**, Sebastian O Igboeme, Uchechi B Onwuka and Sunday N Okafor (2014). Immunomodulatory effects of *Stachytarpheta cayennensis* leaf extract and its

synergistic effect with artesunate. *BMC Complementary and Alternative Medicine*, 14:376, doi: 10.1186/1472-6882-14-376.

14. Patience O. Osadebe, **Estella U. Odoh** and Philip F. Uzor (2014). The search for new hypoglycemic agents from plants. *Journal of Pharmacy and Pharmacology*, Vol. 8(11): 292 – 303.
15. **Odoh, U. E.**, Ezugwu, C. O. and Adimegwu, J. U. (2013). Phytochemical analysis and the anti-inflammatory activity of methanol root extract of *Cryptolepis sanguinolenta* (Periplocaceae). *International Journal of Current Research*, Vol. 5 (12): 4245-4248.
16. **Odoh, U. E.**, Ezugwu, C.O. and Ezejiofor, M. (2013). Anti-diabetic and toxicological studies of the alkaloids of *Acanthus montanus* (Acanthaceae) leaf. *International Journal of Current Research*, Vol. 5 (12): 4249-4255.
17. N. C. Obitte, K. C. Ofokansi, S. A. Chime, D. C. Odimegwu, A. O. Ezema and **U. E Odoh** (2013). A preliminary attempt to address indomethacin's poor water solubility using solid self emulsifying drug delivery system as a carrier. *African Journal of Pharmacy and Pharmacology*, Vol.7 (46):2918–2927, DOI:10.5897/AJPP2012.1510.
18. **Odoh, U. E.** and Ezugwu, C. O. (2013).Chromatographic and anti-diabetic studies on root extract of *Acanthus montanus* (Acanthaceae). *International Journal of Current Research*, 5(11): 3361 - 3365.
19. **Odoh, U. E.** and Okoro, E. C. (2013). Quantitative phytochemical, proximate/nutritive composition analysis of *Beta vulgaris* Linnaeus (Chenopodiaceae). *International Journal of Current Research*, 5(11): 3378 – 3383.
20. **Odoh, U. E.**, Ezugwu, C.O. and Ugwoke, N.G. (2012).Pharmacognostic profile of leaf, stem and root of *Spathodea campanulata p. beauv* (bignoniaceae). *Journal of Pharmaceutical and Allied Sciences*, Vol. 9 No. 3:1621 – 1636.
21. Ezugwu, C. O., **Odoh, U.E.**and Ezeani, G. I. (2012). Preliminary pharmacognostic study of the leaves, stem-bark and root of *Mangifera indica* L. (Anacardiaceae). *Journal of Pharmaceutical and Allied Science*, Vol.9 No.3: 1587 – 1599.
22. Theophine Chinwuba Okoye, Peter A. Akah, Charles Okoli, Adaobi Chioma Ezike, Edwin Ogechukwu Omeje and **Uchenna Estella Odoh** (2012). Antimicrobial effects of a lipophilic fraction and kaurenoic acid isolated from the root bark extracts of *Annona senegalensis*. *Evidence-based Complementary and Alternative Medicine*. Vol. 2012 doi:10.1155/ 2012/831327.
23. **Odoh, U. E.** and Akwuaka, C. I. (2012). Pharmacognostic profile of root of *Cryptolepis sanguinolenta* (Lindl.) Schlechter. *Pharmacognosy Journal*, Vol 4, Issue 28, DOI10.5530/pj.28.8.
24. **Odoh, U.E.**, Ezugwu,C.O. and Ezejiofor M. (2011). Pharmacognostic Studies on the Leaves of *Dyschoriste Perottetii* Nees. *Pharmacognosy Journal*, Vol 3, Issue 24, DOI 10.553/pj.24.5.

25. **Odoh, U.E.**, Ezugwu, C.O. and Omeje, J.O. (2011). Pharmacognostic Profile of Leaf, Stem and Root of *Anthocleista djalensis* A. Chev (Loganiaceae). *African Journal of Pharmaceutical Research & Development*. Vol.3 No.1. pp.28 - 37.
26. Ajali, U., Okorie, O. and **Odoh, U. E** (2010). Evaluation of microcrystalline cellulose modified from *Costus afer*. *Journal of Pharmaceutical and Allied Sciences* 7 (5): 1198 – 1203.
27. **Odoh, U. E.**, Okwor, I. V.and Ezejiofor, M. (2010). Phytochemical, Trypanocidal and anti-microbial studies of *Enanthia chlorantha* (Annonaceae) root. *Journal of Pharmaceutical and Allied Sciences* 7 (4): 1162 – 1167.
28. **Odoh, U. E.** and Okafor, C.N. (2010).Phytochemical constituents and antipyretic activities of methanol leaf extract of *Costus afer* (Fam: Zingiberaceae). *Journal of Pharmaceutical and Allied Sciences* 7 (3): 1104 – 1110).
29. **Odoh, U. E.**, Ezugwu, C. O. and Ajali, U. (2010). Antitussive properties of the methanol leaf extract of *Costus afer*.*Journal of Tropical Medicinal Plants*, Vol.11, No.2 : 149 – 152.
30. Abonyi, J. I. , **Odoh, U. E.**, Ugwuoke, C. E. C., and Ezugwu, C. O. (2010). Anti- ulcer potential of *Erythrina senegalensis* DC stem bark. *Nigerian Journal of Pharmaceutical Research*, VOL. 8, No.1: 67 – 71.
31. **Odoh, U. E.**, Ezugwu, C. O., Onwugbenu, N. C. and Osadebe, P. O. (2010). Evaluation of the Phytochemical constituents, anti-inflammatory and analgesic properties of the ethanol extract of *Acanthus montanus* (Acanthaceae) leaf. *Nigerian Journal of Pharmaceutical Research*, VOL. 8, No.1: 122 – 128.
32. **Odoh, U. E.**, Ezugwu, C. O., Osadebe, P. O.and Ajali, U. (2010). Preliminary Phytochemical and hypoglycemic studies on *Phyllanthus niruri* (Euphorbiaceae) leaf extract. *Nigerian Journal of Pharmaceutical Research*, VOL. 8, No.1: 78 – 83.
33. **Odoh, U. E.** and Osadebe, P. O. (2010). Effect of *Mucuna flagellipes* (Leguminosae) seeds on haematology and blood serum chemistry of rats. *Journal of Tropical Medicinal Plants*, Vol.11, No. 1: 35- - 38.
34. **Odoh, U. E.**, Ezugwu, C. O. and Menkiti, C. Agbo, I. U. and Ezejiofor, M. (2010). Chromatographic and wound healing studies of *Jatropha curcas* (Euphorbiaceae). *Journal of Pharmaceutical and Allied Sciences* 7 (1) : 820 – 826.
35. **Odoh, U. E.**, Ezugwu, C. O., Ezema, B.O.,Ajali, U. and Agbo, I. U. (2010). Studies on some physicochemical properties and anti-microbial of *Luffa cylindrical* (Cucurbitaceae) seed oil. *Journal of Pharmaceutical and Allied Sciences* 7 (1),: 815 – 819.
36. **Odoh, U. E.** and Ezugwu, C. O. (2009). Antiinflammatory activities of the ethanol extract of the leaf of *Dichrostachys cinera* Linn (Fam: Mimosaceae). *Journal of Biomedical and Health Development*, Vol. 2, No. 2 : 1 - 6.

37. **Odoh, U. E.**, Ezugwu, C. O., Osadebe, P. O. and Ajali, U. (2009). Proximate analysis and phytochemical constituents of *Pterocarpus erinaceus* (Papilionideae) leaf. *Journal of Science and Industrial Policy*, Vol.2, No. 2: 21 – 26.
38. **Odoh, U. E.**, Ezugwu, C. O., Osadebe, P. O. and Onyishi, P.C. (2009). Phytochemical analysis and anti-oxidant effect of methanol extract of *Jatropha curcas* (Euphorbiaceae) leaf. *ICOPDA*, Vol.1, 182 – 186.
39. **Odoh, U. E.**, Ezugwu, C. O., Attamah, C. M. and Ajali, U. (2009). Evaluation of anti-diarrhoeal property of methanol extract of *Pterocarpus santalinoides* (Fam: Fabaceae) in rats *ICOPDA*, VOL.1:117 – 181.
40. Emmanuel C. Ibezim and **Uche E. Odoh** (2008). Current trend in malarial chemotherapy. *African Journal of Biotechnology*, Vol. 7(4): 349 – 356.
41. Ibezim, E. C., Ofuefule, S. I., **Odoh, U. E.** and Omeje, E. O. (2008). Performance of starch obtained from *Dioscorea dumentorium* as disintegrant in sodium salicylate tablets. *African Journal of Pharmacy and Pharmacology*, Vol. 2(3): 052 - 058.
42. **Odoh, U. E.**, Osadebe, P. O., Ezugwu, C. O. and Ajali, U. (2008). Effect of *Detarium microcarpum* Guill and Perr seed extract on haematology and blood serum chemistry of rats. *Journal of Tropical Medicinal Plant*, Vol. 9, No.1: 7 - 10.
43. Ibezim, E. C., Ofuefule, S. I., **Odoh, U. E.**, Omeje, E. O. and Onyishi, V. I. (2008). The role of ginger starch as binder in acetaminophen tablet. *Scientific Research and Essays*, Vol.3 (2): 046 – 050.
44. **Odoh, U. E.**, Ezugwu, C. O. and Ajali, U. (2008). Physico-chemical properties and anti-microbial activities of *Parkia biglobosa*. *Journal of Tropical Medicinal Plants*, Vol. 9, No.1: 105 - 108.
45. **Odoh, U. E.**, Ezugwu, C. O., Ezea, S. C. and Ezejiofor M. A. (2007). Investigation of anti-diabetic properties of the aqueous extract of *Sphenostylis sternocarpa* seeds (Fam: Papilionaceae). *Journal of Advancement in Medical and Pharmaceutical Sciences*, Vol.3, No 2: 54 – 57.
46. Ajali, U., Inya-agma, S. I. and **Odoh, U. E.** (2007). Phytochemical and anti-dabetic studies of corn silk. *Plant Product Ressearch*, Vol.11: 1618.
47. Ezugwu, C. O, **Odoh, U. E.** and Ezugwu, C. O. (2007). Wound healing activity of *Chromola odorata*. *Journal of Tropical Medicinal Plants*, Vol. 6, No. 1: 9 – 14.
48. Ezugwu, C. O and **Odoh, U. E.** (2007). Antifungal activities of *Chrysophyllum albidan* G. Don seeds (Fam: Sapotaceae). *Journal of Advancement in Medical and Pharmaceutical Sciences*, Vol.1, No 2 : 30 – 33.
49. Ezugwu, C. O, **Odoh, U. E.** and Adikwu, M. U. (2006). Primary Health Care Financing in Nigeria via Privatization using shareholders Contributory mechanism- A - survey. *Journal of Pharmaceutical and Allied Sciences*, 3(1): 300 – 3009.
50. **Odoh, U. E.**, Ajali, U. and Okorie, O. (2005). Detection of Agroclavine in a biological system using π -acceptor as a spray reagent on a chromatogram. *Journal of Medical and Pharmaceutical Sciences*, Vol. 1(1) : 54 - -56.

51. Ezea, S. C., **Odoh, U. E.** and Ezugwu, C. (2005). Evaluation of the antitussive properties of the alcoholic and water extracts of the leaves and stems of *Evadenia trifoliolata* Olive. *Plant Product Research Journal* 10: 1-3.
52. **Odoh, U. E.**, Ezugwu, C. O. and Ajali, U. (2005). Blood sugar lowering effect of gum extract of *Mucuna sloanei* Fawc and Rendle (Fam: Papillionaceae) seed. *Bio Research*, 3(2): 49 -51.
53. **Odoh, U. E.**, Ebebe, M. I. and Ezugwu, C. O. (2005). Quantitative and qualitative evaluation of non-biologically active by – product of *Dracaena manni* fruit baker (Fam: Agavaceae). *African Journal of Pharmaceutical Research and Development* (AJPRD), vol.1(1) : 22 – 26.
54. **Odoh, U. E.**, Ezugwu, C. O. Nwodo, N. J. and Ajali, U. (2005). Anti-diabetic property of *Detarium microcarpum* Guill and Perr (Fam: Ceasalpinaceae). *African Journal of Pharmaceutical Research and Development* (AJPRD). Vol. 1(1) : 39 – 41.
55. **Odoh, U. E.**, Ezugwu, C. O. and Ajali, U. (2005). Anti-microbial activity of *Monodora myrsinitica* seed oil. *Journal of Pharmaceutical and Allied Sciences*, 2(2) :232 – 236.
56. **Odoh, U. E.**, Ezugwu, C. O. and Ajali, U. (2004). Preliminary investigation of the analgesic activity of the chloroform root extract of *Annona senegalensis* L. *Journal of Pharmaceutical and Allied Sciences*, 2(1) : 169 – 172.
57. Okide, G.B., **Odoh, U. E.** and Ezugwu, C. O. (2003). Hypoglycemic activity of the gum extract of *Prosopis africana* seeds. *Journal Tropical Medicinal Plants*.Vol. 4 (1): 47 – 49.
58. Ezugwu, C. O. and **Odoh, U. E** (2003). Anticonvulsant activity of the root extract of *Annona sensgalensis*. *Journal Tropical Medicinal Plants*.Vol. 4 (1): 51- 56.
59. Ajali, U., Okide, G.B. and **Odoh, U. E.** (2003). Colorimetric determination of menadione sodium sulphate with chloranilic acid. *Indian Journal Pharmaceutical Sciences.*, 65(5): 492 – 495.
60. Okide, G.B., **Odoh, U. E.** and Ajali, U. (2002). Spectrophotometric determination of Nikethamide by charge transfer complex with p – chloranilic acid. *Bollentino.Chimaco.Farmaceutico*, 141: 299 – 303.
61. Adikwu, M. U., Ajali, U., Okide, G. B., and **Odoh, U. E.** (2001). Detection of methyldopa on thin layer plates using 1,4 – dioxane. *Bollentino.Chimaco.Farmaceutico*, 141: 315 - 316.
62. Okide, G.B. and **Odoh, U. E.** (1998). Spectrophotometric determination of ketamine hydrochloride by charge transfer complex with p – chloranilic acid. *Indian Journal Pharmaceutical Sciences*, 60(6), 368 – 370.

TRAININGS AND WORKSHOPS

1. Workshop on Chromatograph by Thermo Scientific New Delhi, India, 10th November, 2017
2. Workshop on Life Beyond c18-matching Column Chemistry to your compound by Thermo Scientific New Delhi, India, 10th November, 2017.
3. Post Doctoral Fellowship Programme on Natural Products (Isolation and characterization of bioactive compounds from natural sources) and Quality Control (Test procedures and acceptance criteria for new drug substances and new drug products) at Indian Institute of Integrative Medicine Jammu, India from 14th February – 15th December, 2017.
4. Workshop on Good manufacturing Practice Guide for Active Pharmaceutical Ingredients organized by the Indian Institute of Integrative Medicine Jammu, India, 2017.
5. Workshop on Chromatography and Life Beyond C18- Matching Column Chemistry to your compound organized by Thermo Scientific New Dehli, India, 10th November, 2017.
6. Training workshop on the use of NMR Techniques in Quality Control for biotechnological/biological products at the John Innes Centre Laboratory, Norwich, United Kingdom on 26th March, 2015.
7. Workshop on Advanced Analytical Technologies as applied to Natural Products for Drug Discovery”, by the American Society of Pharmacognosy held at Colorado, USA from 25th - 30th of July, 2015.
8. Symposium on “The Chemistry and Biology of Natural Products IX, 2 day Graduate and Early career symposium. 25th -26th June, 2015.
9. Workshop on LC/MS: The Practical Aspects for Natural Products Analysis”. by the American Society of Pharmacognosy held at Colorado, USA from 25th - 30th of July, 2015.
10. Workshop on Analytical Techniques for Natural Products organized by the American Society of Pharmacognosy held at Oxford, Mississippi, USA on 2nd August, 2014.
11. Workshop NMR Tips, Tricks and Techniques to solve Structural Problems organized by the American Society of Pharmacognosy held at Oxford, Mississippi, USA on 2nd August, 2014.
12. Training on Instrumentation at the Centre for Natural Product Research, University of Mississippi, USA, 2014.
13. 8th Young Researchers Workshop organized by the Society for Medicinal Plant and Natural Product Research (GA) held at Munster, Germany on 1st September, 2013.
14. Presymposium COST Workshop: Challenges and Limitations in metabolic pathway engineering of secondary natural products organized by the Society for Medicinal Plant and Natural Product Research (GA) held at Munster, Germany on 2nd September, 2013.

15. Workshop on Current Aspects in Manufacturing of Herbal APIs (Extracts): GACP Regulations/GMP Implementation/Process Development organized by the Society for Medicinal Plant and Natural Product Research (GA) held at Munster, Germany on 3rd September, 2013.
16. Workshop on Circular Dichroism Spectroscopy on Natural Product organized by the American Society of Pharmacognosy (ASP), the French Speaking Society of Pharmacognosy (AFERP), the Italian Society of Pharmacognosy (SIF), the Phytochemical Society of Europe (PSE) and the Society for Medicinal Plant and Natural Products Research (GA) held at New York, USA on 28th July, 2012.
17. Elsevier Publishing Writing Workshop with Journal of Ethnopharmacology editor Rob Verpoorte organized by the American Society of Pharmacognosy (ASP), the French Speaking Society of Pharmacognosy (AFERP), the Italian Society of Pharmacognosy (SIF), the Phytochemical Society of Europe (PSE) and the Society for Medicinal Plant and Natural Products Research (GA) held at New York, USA on 29th July, 2012.
18. Workshop on Cultivating the Potential of Antionycetes and Fungi for the Discovery of New Natural Products, organized by the American Society of Pharmacognosy (ASP), the French Speaking Society of Pharmacognosy (AFERP), the Italian Society of Pharmacognosy (SIF), the Phytochemical Society of Europe (PSE) and the Society for Medicinal Plant and Natural Products Research (GA) held at New York, USA on 30th July, 2012.
19. Workshop on Methods, Optimal NMR Techniques and Approaches to Structure Elucidation of National Products, organized by the American Society of Pharmacognosy (ASP), the French Speaking Society of Pharmacognosy (AFERP), the Italian Society of Pharmacognosy (SIF), the Phytochemical Society of Europe (PSE) and the Society for Medicinal Plant and Natural Products Research (GA) held at New York, USA on 31st July, 2012.
20. 1st Pan-African Summer School in Nanomedicine organized by the African Centre of Excellence in Nanomedicine together in collaboration with the South African Council for Scientific and Industrial Research (CSIR) and the South African Department of Science and Technology (DST) held at Pretoria, South Africa, November 4th – 10th, 2012.
21. Training workshop for the University of Nigeria Leadership Team organized by the Vice Chancellor held at Asaba, Nigeria, November 1st – 4th, 2012.
22. Leadership training workshop with theme: Positive attitude for teamwork and productivity improvement: The emergence of new expectations by University of Nigeria, Nsukka held at Princess Alexandra Unity hall, UNN on 28-30th September, 2011.
23. Workshop Program on E-Learning data bases, University of Nigeria, Nsukka, 2010.
24. Training on University of Nigeria Staff ICT Capacity Building Programme, 2007.
25. Vision Alignment Workshop organized by University of Nigeria Administration in collaboration with the Integrated Impact Consultants, Lagos, at Princess Alexandra Auditorium, University of Nigeria, Nsukka, on 4th May, 2005.

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