

CURRICULUM VITAE

GENERAL INFORMATION

Name: Oboh Frederick Omonkhegbe Joseph

Date of birth 8th December,

Place of birth: Irrua, Edo State, Nigeria.

Home address: No. 17 Avielele Close,
Off Etete Road, Benin City.

E-mail: fredoboh67@yahoo.co.uk, foboh@biu.edu.ng

Contact address: Department of Biological Sciences,
Benson Idahosa University,
P.M.B. 1100, Benin City.

Nationality: Nigerian.

Present employment

Position: Professor of Biochemistry,
Department of Biological Sciences,
Faculty of Basic and Applied Sciences,
Benson Idahosa University,
Benin City, Nigeria.

Universities attended with dates: University of Ibadan (1988- 1994)
University of Benin (1981- 1984)
University of Benin (1975- 1979)

Academic qualifications	Year	Awarding institutions
PhD (Industrial Chemistry)	1994	University of Ibadan Ibadan, Nigeria.
MSc (Biochemistry)	1984	University of Benin, Benin City, Nigeria.
BSc. (Hons.) Biochemistry	1979	University of Benin, Benin City, Nigeria.
West African School Certificate	1973	Edo College, Benin City, Nigeria

WORKING EXPERIENCE:

Director, Students Work Industrial Experience Division, Benson Idahosa University, Benin City, March 2018- July 2019).

Dean, Faculty of Basic and Applied Sciences, Benson Idahosa University, Benin City (February 21, 2011- January 27, 2012).

Professor of Biochemistry, Department of Basic Sciences, Benson Idahosa University, Benin City (Since October 1, 2010).

Head, Department of Basic Sciences, Benson Idahosa University, Benin City (October 1, 2008 – February 21, 2011).

Associate Professor of Biochemistry, Department of Basic Sciences, Benson Idahosa University, Benin City (November 16, 2006 – September 30, 2010).

Senior Lecturer in Biochemistry, Department of Basic Sciences, Benson Idahosa University, Benin City – October 5, 2006 – November 15, 2006.

Senior Lecturer in Chemistry, Department of Chemical Sciences, Igbinedion University, Okada, Edo State -January 2002 – Oct 4, 2006.

Managing Director, Standard Technologies (Nig) Ltd: - 1997 – 2001.

Executive Director: RIOGROUP: - 1991 – 1996.

Principal Research Officer and Head, Organic Chemicals Unit, National Research Institute for Chemical Technology, Zaria, Nigeria: - 1989 – 1991.

Senior Research Officer, Nigerian Institute for Oil Palm Research, Benin City: - 1988.

Research Officer 1, Nigerian Institute for Oil Palm Research, Benin City: - 1984-1988.

Research Officer-in-Training, Nigerian Institute for Oil Palm Research, Benin City: – 1980 – 1984.

National Youth Service (Primary assignment): Pathology Laboratory, General Hospital, Minna, Niger State: - 1979-1980.

TEACHING AND RESEARCH EXPERIENCE

Courses taught/examined/supervised:

Igbinedion University Okada (January 2002- October 2006).

General Organic Chemistry

General Inorganic Chemistry
Basic Organic Chemistry
Basic Principles of Chemical Processes
Basic Physical Chemistry
Basic Inorganic Chemistry
Separation Methods in Chemistry
Practical Organic Chemistry
Rubber Technology
Environmental Chemistry
Chemistry of Natural Products
Polymer Technology
Food Processing Technology
Detergent and Cosmetic Chemistry

Final year seminar (supervision)
Final year projects (supervision)

Benson Idahosa University

Undergraduate Biochemistry Courses (October 2006- date):

Experimental Biochemistry
Introduction to Biochemistry
Techniques in Biochemical Research
Basic Immunology
Advanced Intermediary Metabolism and Regulation
Biochemistry of Organs and Tissues
Biochemistry of Hormones
Nutritional Biochemistry
Biomembranes
Food Biochemistry
Advanced Immunology
Undergraduate Seminar and Biochemical Literature (supervision)
Undergraduate Projects (supervision)

Postgraduate courses (since 2011/2012 academic session):

General Biochemistry
Methods of Biochemical Analysis
Food Biochemistry
Nutritional Biochemistry
Fermentation Technology and Brewing Science
Seminar (supervision)
Project (supervision)

Undergraduate courses at Western Delta University:

Sabbatical year (2013/2014)

Biomembranes
Bioinorganic Chemistry
Advanced Intermediary Metabolism and Regulation
Industrial Biochemistry

As an Adjunct Professor (2017/2018)

Molecular Biology
Industrial Biochemistry
Food and Nutritional Biochemistry
Biomembrane and Biosignalling

Other academic duties performed so far at Benson Idahosa University:

Participated in the review of the following:

National Universities Commissions' instruments for the accreditation part-time programmes (2019)

National Universities Commissions' instruments for institutional accreditation (2019)

Participated in the development and establishment of the following programs:

MSc Biochemistry (2010)
MSc Microbiology (2010)
BSc Chemistry and Industrial Chemistry (2017)
BSc Nursing Science (2017/2018)
Bachelor of Medical Laboratory Sciences (2017/2018)

Participated in the review of the following programs from time to time, in response to changes in the Benchmark Minimum Academic Standards of the National Universities Commission (Nigeria) for undergraduate and postgraduate programmes:

MSc Biochemistry
MSc Microbiology
BSc Biochemistry
BSc Microbiology
BSc Physics

Other academic and research duties

Member, End-Use Research Task Force on the Development of Food Lipids and Oleochemicals, Nigerian Institute for Oil Palm Research (NIFOR), near Benin City, Nigeria (1985-1986).

Member, Date Palm Research Programme, Nigerian Institute for Oil Palm Research (NIFOR), near Benin City, Nigeria 1987- 1988.

Head and Research Leader, Organic Chemicals Programme, National Research Institute for Chemical Technology, Zaria, Nigeria (1989 – 1991).

Reviewer of articles for various Nigerian and foreign journals (since 1991)

Member, University Research and Publications Committee, Igbinedion University, Okada (2003-2006).

External Examiner, BSc (2012) and MSc Chemistry and Industrial Chemistry Examinations (2016), Department of Chemical Sciences, Igbinedion University, Okada, Nigeria

Member, Editorial Board, Benson Idahosa University Journal of Basic and Applied Sciences

Member National Universities Commission (NUC) Accreditation Team (BSc Biochemistry Programme) to Novena University, Nigeria (2015)

RESEARCH INTEREST

Plant Produce Characterisation, Modification, and Utilisation

INTELECTUAL OUTPUT

Theses and Project

- 1. Studies on the Leaf and Tuber Proteins of Cassava (*Manihot esculenta* Crantz), Sweet potato (*Ipoemia batatas* Poir) and Cocoyam (*Xanthosoma saggitifolium*). BSc Project, University of Benin. June 1979.**
- 2. Fractionation and Biochemical Characterisation of a Nigerian Palm Oil. M.Sc. Thesis (Biochemistry), University of Benin. 1984.**
- 3. Chemical Analysis and Possible Utilisation of the Fruit Pulp and Kernel Oils of some Nigerian Grown Amazonian Palms. Ph.D. Thesis (Industrial Chemistry), University of Ibadan. 1994.**

PUBLICATIONS

Annual Reports

- 1. Oboh, F.O.J. (1984). Fractionation and characterisation of a Nigerian palm oil. *Twenty-first Annual Report of the Nigerian Institute for Oil Palm Research*, 84-86.**

2. **Oboh, F.O.J. (1985).** Fractionation and modification of palm oil and enhancement of yield of olein by solvent fractionation of palm oil/palm kernel oil blends. *Twenty-second Annual Report of the Nigerian Institute for Oil Palm Research*, 167-168.
3. **Oboh, F.O.J. (1985).** Novel sources of fat, protein and carbohydrate, a survey of the fruits of four Palmae species: *Attalea cohune*, *Bactris major*, *Arecastrum romanozoffianum* and *Astrocaryum vulgare*. *Twenty-second Annual Report of the Nigerian Institute for Oil Palm Research*, 168-171.
4. **Oboh, FO.J. (1986).** Oleochemicals and food fats from some indigenous and exotic fats. *Twenty-third Annual Report of the Nigerian Institute for Oil Palm Research*, 224-227.
5. **Oboh, F.O.J. (1987).** Oleochemicals and food fats from some indigenous and exotic fats. *Twenty-fourth Annual Report of the Nigerian Institute for Oil Palm Research*, 158-159.
6. **Oboh, F.O.J. (1988).** Oleochemicals from oils and fats. *Twenty-fifth Annual Report of the Nigerian Institute for Oil Palm Research*, 226-230.

Journal articles

1. **Oboh, F. O. J. (1987).** The composition of *Bactris major* kernel and kernel oil. *Riv Ital. Sostanze Grasse*. **64**: 355 – 365.
2. **Oboh, F.O.J. & Oderinde, R. A. (1988)** Composition of cohune (*Attalea cohune*) kernel oil. *Riv Ital. Sostanze Grasse*, **65**: 387 – 389.
3. **Oboh, F.O.J. & Oderinde, R. A. (1988).** Analysis of the pulp and pulp oil of the tucum (*Astrocaryum vulgare* Mart) fruit. *Food Chemistry*. **30**: 277 – 287.
4. **Oderinde, R. A. & Oboh, F.O.J. (1988).** The composition of the pindó (*Arecastrum romanozoffianum*) fruit. *Food Chemistry*. **28**: 177 – 186.
5. **Oboh, F.O.J. & Oderinde, R. A. (1988).** Confectionery fats from tucum (*Astrocaryum vulgare* Mart.) and pindó (*Arecastrum romanozoffianum*) kernel fats. *Pakistan J. Sci. Ind. Res.* **31**: 811 – 814.
6. **Oboh, F.O.J. & Oderinde, R. A. (1988).** Development of tucum pulp oil fractions for possible edible and industrial use. *Riv Ital. Sostanze Grasse*, **65**: 209 -211.
7. **Oboh, F.O.J. & Oderinde, R. A. (1989).** Fatty acid and glyceride composition of *Astrocaryum vulgare* kernel fat. *J. Sci. Food Agric.* **47**: 29 – 35.
8. **Oboh, F. O. J. & Lori, J. A. (1992).** Characteristics of fatty alcohols from the sodium reduction of palm fatty acid methyl esters. *Riv Ital. Sostanze Grasse*, **69**: 363 – 358.
9. **Oboh, F.O.J. (1994).** Effects of refining variations and bleaching on the characteristics of tucum (*Astrocaryum vulgare* Mart.) pulp oil. *Riv. Ital. Sostanze Grasse*, **71**: 425 – 428.

10. **Oboh, F.O.J.** (1995). Characteristics of fatty alcohols from the sodium reduction of tucum fatty acid methyl esters. *Riv Ital. Sostanze Grasse*, **72**: 77 – 82.
11. **Oboh, F.O.J.** (2004). Lipids of melon (*Citrulus lanatus* L) seeds. *Journal of the National Academy for the Advancement of Science* **3**: 172 – 175.
12. **Oboh, F.O.J.** (2004). Crude palm oil: some aspects of quality. *Benin Science Digest*, **2**: 87 – 92.
13. **Oboh, F.O.J.** (2004). Triacylglycerols of palm oil. *Benin Science Digest* **2**: 79 – 85.
14. **Oboh, F. O. J.** (2004). The effect of 2, 6-di tert-butyl-4-methyl phenol and citric acid on the oxidative stability of crude palm oil. *Nigerian Journal of Applied Science* **22**: 351 – 354.
15. **Oboh, F.O.J.** (2006). Palm oil splitting using a sulphonic acid catalyst: A preliminary investigation. *Nigerian Journal of Applied Science*, **24**: 133 – 137
16. **Oboh, F.O.J.** (2006). Acetone fractionation of blends of palm oil and palm kernel oil. *Nigerian Journal of Applied Science*, **24**: 101 – 107.
17. **Oboh, F.O.J.** (2007). Edible fractions and oleochemical raw material from palm oil. *Nigerian Journal of Palms and Oilseeds*, **16**: 59 – 68.
18. **Oboh, F.O.J.** (2007). Intramolecular fatty acid distribution in triacylglycerols of fractions from acetone fractionation of palm oil. *Nigerian Journal of Palms and Oilseeds*, **16**: 48 – 58.
19. **Oboh, F.O.J.** (2009). The food potential of tucum (*Astrocaryum vulgare*) fruit pulp. *International Journal of Biomedical and Health Sciences*, **5**: 57-64.
20. **Oboh, F.O.J.** (2009). The oleochemical potential of tucum pulp oil and stearin. *Riv. Ital. Sostanze Grasse*, **86**: 39 – 47.
21. **Oboh, F.O.J.** and Enobhayisobo, E.I. (2009). Effect of aqueous extract of *Vernonia amygdalina* leaves on plasma lipids of hyperlipidaemic adult male New Zealand rabbits. *African Scientist*, **10**: 203-213.
22. **Oboh, F.O.J.** and Masodje, H.I. (2009). Nutritional and antimicrobial properties of *Vernonia amygdalina* leaves. *International Journal of Biomedical and Health Sciences*, **5**: 51-56.
23. **Oboh, F.O.J.**, and Masodje, H.I. (2009). Nutritional and antimicrobial properties of *Jatropha tanjorensis* leaves. *American-Eurasian Journal of Scientific Research*, **4**: 7-10.
24. **Oboh, F.O.J.**, Masodje, H.I. and Enabulele, S.A. (2009). Nutritional and antimicrobial properties of *Ocimum gratissimum* leaves. *Journal of Biological Sciences*, **9**: 337-380.

25. **Oboh, F.O.J.**, Masodje, H.I. and Enabulele, S. (2009). Nutritional and antimicrobial properties of fluted pumpkin (*Telfairia occidentalis* Hook) leaves. *Bioscience Research Communications* **21**: 77-81.
26. **Oboh, F.O.J.**, Oyaletor, V. and Aisudo, B. (2010). Effect of aqueous extract of *Momordica charantia* on plasma lipids of adult male albino rabbits fed an atherogenic diet. *Bioscience Research Communications*. **22**: 85-94.
27. **Oboh, F.O.J.** and Madojemu, G.E. (2010). The effect of drying and salting on the nutrient composition and organoleptic properties of *Vernonia amygdalina* leaves. *Pakistan Journal of Scientific and Industrial Research* **53**: 340-345.
28. **Oboh, F.O.J.** and Aigbe, O. (2011). The effect of preservation methods on the nutritional quality of fluted pumpkin (*Telfairia occidentalis*) leaves. *Pakistan Journal of Scientific and Industrial Research, Ser. B, biol. sci.* **54**: 167-171.
29. **Oboh, F.O.J.** (2012). Palm oils in dairy substitutes. *African Scientist*. 13: 99-108.
30. **Oboh, F.O.J.**, Aliu, A., Idemudia, M.I. and Ahamioje, D. (2013). Nutrients, phytochemicals, fungal flora and aflatoxin in fresh and salted *Vernonia amygdalina* leaves. *African Journal of Biotechnology*, **12**: 5655-5661. Doi: 10.5897/AJB 12.1783.
31. Enabulele, S.A. **Oboh, F.O.J.** and Uwadiae, E.O. (2014). Antimicrobial, nutritional and phytochemical properties of *Monodora myristica* seeds. *IOSR- Journal of Pharmacy and Biological Sciences*.**9**:1-6.
32. **Oboh, F.O.J.** and Madojemu, G.E. (2016). The effect of drying and salting on the nutrient composition and organoleptic properties of *Talinum triangulare* leaves, *British Biotechnology Journal*, **11**: 1-8
33. **Oboh, F.O.J.** Iyare, L., Idemudia, M., and Enabulele, S.E. (2016). Physico-chemical and nutritional characteristics, and antimicrobial activity of oil palm syrup, raffia palm syrup and honey, *IOSR- Journal of Pharmacy and Biological Sciences*, **11**: 73-78.
34. Mordi, R., Osula, A.N., Igeleke, C.L., Odjadjare, E.E., **Oboh, F.O.J.** and Uwadiae, E.O. (2016).The evaluation of the antimicrobial property of *Cassia alata* leaves in Benin City. *Biomedicine and Nursing*, **2**: 1-6.
35. Oboh, F.O.J., Ugheighele, S., and Odjadjare, E. (2016). Fractionation and rational utilisation of *Vernonia amygdalina* leaves. *Benson Idahosa University Journal of Basic and Applied Sciences (BIUJBAS)* **2**: 49-61.
36. **Oboh, F.O.** and Imafidon, J. (2018). Antioxidant and sensory properties of new beverage formulations composed of palm sugar, *Aframomum melegueta*, and citric acid. *Beverages* **4**: 59: doi:10.3390/beverages4030059

37. Oboh, F.O., Onuigbo, I., Idemudia, M.I., and Odeh, O.H. Bacterial flora and sensory characteristics of fresh and salted *Vernonia amygdalina* leaves. *Benson Idahosa University Journal of Basic and Applied Sciences (BIUJBAS)* 4: 27-38.

Conference Proceedings

1. Oboh, I.P and Oboh, F.O.J. (2009). Sustainable fish production through processing and product development: The role of fermented fish products. In: A.D.A. Ighoghojie, D. Kisamo, and M.O. Edema (Editors), *Gender and the Millennium Development Goals* (Proc.), Third World Organization for Women in Science African Regional Conference, Abuja, 16-20 November, 2009. 410-420.

CONFERENCES AND WORKSHOPS ATTENDED WITH DATES AND PAPERS PRESENTED

These include:

1. The 10th annual conference of the Biochemical Society of Nigeria, College of Medicine Idi-Araba, Lagos. 24th-28th November 1985.
Paper presented: George, G. and F.O.J. Oboh. Triglycerides of Nigerian palm oil.
2. The 28th Annual Conference of the Science Association of Nigeria, Federal University of Technology, Owerri, 5th-9th April 1987
Paper presented: Oboh, F.O.J. and Oderinde, R.A. Analysis of the pulp and pulp oil of the tucum (*Astrocaryum vulgare* Mart.) fruit. Abstract In: *Bulletin of the Science Association of Nigeria* (Chude, V.O. ed.). Science Association of Nigeria. April 1987, p. 25.
3. The 15th Annual Conference of the Biochemical Society of Nigeria, Topo Badagry. 7th-10th November, 1990.
Paper presented: Oboh, F.O.J. The development of a milk-like beverage from the tucum (*Astrocaryum vulgare* Mart) fruit pulp. A preliminary evaluation
4. The Nigerian Society of Biochemistry & Molecular Biology (NSBMB)/National Universities Commission (NUC) 2nd Annual Workshop for Heads of Biochemistry Departments & Units of Tertiary Institutions, Parastatals, Government & Industry, Aja Wachukwu Auditorium, Maitama Abuja, 28th - 29th October 2009.
Participant
5. The 29th Annual Conference of the Nigerian Society of Biochemistry & Molecular Biology, Federal University of Technology, Akure. 6th- 9th December, 2009.
Paper presented: Oboh, F.O.J. and Aigbe, O. Effect of preservation methods on the nutritional quality of *Telfaria occidentalis* leaves.

6. The 29th Annual Conference of the Nigerian Society of Biochemistry & Molecular Biology, Federal University of Technology, Akure. 6th- 9th December, 2009.
Paper presented: Oboh, F.O.J. and Oyaletor, V. Effect of aqueous extract of *Momordica charantia* on plasma lipids of hyperlipidaemic adult male albino rabbits.
7. The 45th Annual Conference of the Science Association of Nigeria, Niger Delta University, Wilberforce Island. 23rd-27th May 2010.
Paper presented: Oboh, F.O.J. Preparation and characterisation of fatty acid methyl esters (FAME) and crude fatty alcohols from palm stearin.
8. Advanced Digital Appreciation Programme – Tertiary (ADAPT) Training, Digital Bridge Institute (DBI), Lagos, 13-17 September, 2010.
Participant.
9. Benson Idahosa University Staff Development Programme, 2010. **Participant.**
10. The 30th Annual Scientific Conference of the Nigerian Society of Biochemistry & Molecular Biology, Kebbi State University of Science and Technology, Aliero, Kebbi State, 24-27 October, 2010.
Paper presented: Oboh, F.O.J. and Madojemu, G.E. The Effect of Drying and Salting on the Nutrient Composition and Organoleptic Properties of *Talinum triangulare* Leaves.
11. The 31st Annual conference of the Nigerian Society of Biochemistry and Molecular Biology, University of Nigeria, Nsukka. Nigeria, 31st October – 1st November, 2011.
Participant

MEMBERSHIP OF LEARNED SOCIETIES

1. Nigerian Society of Biochemistry and Molecular Biology
2. Society of Chemical Industry (UK)
3. Society for Economic Botany (USA)
4. Science Association of Nigeria
5. Chemical Society of Nigeria