

CURRICULUM VITAE

1. **FULL NAME:** Wegwu, Matthew Owghonda,
2. **DATE OF BIRTH:** May 15, 1968
3. **NATIONALITY:** Nigerian
4. **PERMANENT HOME ADDRESS:** #164 Uniport Road Choba, Port Harcourt
5. **CURRENT ADDRESS:** Department of Biochemistry, University of Port Harcourt, P.M.B. 5323, Port Harcourt, Rivers State, Nigeria.
6. **MARITAL STATUS:** Married
7. **NUMBER OF CHILDREN:** Two (5 and 2 years)
8. **EDUCATIONAL BACKGROUND/QUALIFICATIONS:**
 - i. State School Choba Port Harcourt: First School Leaving Certificate 1978
 - ii. Akpor Grammar School Ozuoba, Rivers State: WASC, 1983
 - iii. University of Port Harcourt: Bachelor of Science, Biochemistry, (Second Class Lower) 1991
 - iv. University of Port Harcourt: Master of Science, Biochemistry 1996
 - v. University of Port Harcourt: Doctor of Philosophy, Biochemistry 1999
9. **CAREER OBJECTIVE:**

To serve mankind with my wealth of experience and to do honest part in the development of Nigeria.
10. **WORK EXPERIENCE:**
 - i. Participant, School to Land Programme 1984 to 1986
 - ii. NYSC (Borno Central Medical Laboratory) 1991 to 1992
 - iii. Post graduate research on environmental pollution control in SPDC 1994 to 1995
 - iv. Safety Officer, Willbros (Nig.) Ltd, Port Harcourt, 1997 to 1999
 - v. Lecturer II, (Biochemistry), University of Port Harcourt, Nigeria. 1999 to 2002
 - vi. Lecturer I, (Biochemistry), University of Port Harcourt, Nigeria. 2002 to 2005
 - vii. Senior Lecturer (Biochemistry), University of Port Harcourt, Nigeria 2005 to date
11. **DOCTORATE THESIS:**

Seasonal variation of pollutants in some areas of the Niger Delta and their toxicity on some aquatic fauna.

12. **COURSES ATTENDED**

- i. Crop Protection (conducted by RIART, Onne) 1986
- ii. Drug awareness programme (NDLEA) 1997
- iii. Industrial First Aid Course 1997
- iv. Unsafe acts auditing course 1997
- v. Fire Fighting Training Course 1997
- vi. Rigging course 1997
- vii. Industrial safety course (SULAN CONST. SER.) 1997

13. **PROFESSIONAL BODIES:**

- i. Member, Nigerian Society of Biochemistry and Molecular Biology (NSBMB)
- ii. Member, Environmental Society of Nigeria (NES)

14. **RESEARCH GRANT:**

- i. NUC research grant (2002) for studies on the effects of water soluble fraction of crude oil on serum levels of hepatic enzymes in *Clarias gariepinus*.

15. **PUBLICATIONS**

a. BOOKS

- i. Wegwu, M.O. and Sule, J.O. (2004). Laboratory Procedural Manual in Biochemistry. Chidex Publishing, Nigeria.
- ii. Wegwu, M.O. (2005). Techniques in Environmental Monitoring and Assessment. Grand Orbit Communications, Nigeria.

b. ARTICLES IN LEARNED JOURNALS

- i. Wegwu, M.O.; Abbey, B.W.; Ibeh, G.O. (2000). Spectrophotometric Determination of Some Trace Elements in Aquatic Fauna. J. Appl. Sci. Environ. Mgt. 4(2), 5-8.
- ii. Wegwu, M.O., Abbey, B.W., Ibeh, G.O. (2001). Assessment of Alakiri Flow Station's Effluents as Contributors of Trace Metals to Alakiri River. NJBMB. 16, 119-122.
- iii. Obute, G.C., Wegwu, M.O., Akaninwor, J.O. (2001). Determination of Lead Accumulation and Toxicity in *Telfairia Occidentalis* Hook f. (Cucurbitaceae) in the Niger Delta. J. Appl. Sci. Environ. Mgt. 5 (2): 85-88.

- iv. Wegwu, M.O.; Abbey, B.W., Ibeh, G.O. (2002). Assessment of some Biochemical Indices in Fishes from Two Different Parts of Rivers State, Nigeria. Glob. J. Pure. Appl. Sci. 8(1): 33-38.
- v. Osuji, L. C., Adesiyun, S.O., Wegwu, M.O. (2002). Quantal Response of *Lumbricus terrestris* from two oil spillage – prone sites to toxicity of Bonny Light Crude Oil. Glob. J. Pure Appl. Sci. 1(1): 59-63.
- vi. Wegwu, M.O., Obute, G.C., Osuji, L.C. (2002). Cadmium Uptake by *Telfairia occidentalis* Hook F. (Cucurbitaceae) grown in cadmium – polluted soil. Glob. J. Pure. Appl. Sci. 8(4): 495-497.
- vii. Wegwu, M.O., Ayalogu, E.O., Sule, O.J. (2005). Anti-oxidant protective effects of *Cassia alata* in Rats exposed to carbon tetrachloride. J. Appl. Sci. Environ. Mgt. 9(3): 63-66.
- viii. Wegwu, M.O., and Akaninwor, J.O. (2006). Assessment of Heavy-metal profile of the New Calabar River and its Impact on Juvenile *Clarias garipinus* J. Chem. Biodiv. 3, 79-87.
- ix. Wegwu, M.O. and Wigwe, I.A. (2006). Trace metal Contamination of the African giant land snail *Archachatina marginata* from Southern Nigeria. J. Chem. Biodiv. 3, 88-93.
- x. Wegwu, M.O. and Onyeike, E.N. (2006). Growth Performance and Proximate Profile of *Telfairia occidentalis* Hook F. (Cucurbitaceae) Grown in Crude Oil-Contaminated Soil. Remediation J. 10, 99-111.
- xi. Wegwu, M.O. and Ibiene A.A. (2006). Influence of Spent-Lubricating Oil Contaminated Soil on the growth of *Telfairia occidentalis* (Fluted pumpkin). JNES (3), 31-39.
- xii. Wegwu, M.O. and Sule, O.J. (2006). Measurements of gases, suspended matter and metals in an industrial urban area of Nigeria. JNES (3), 126-133.
- xiii. Wegwu, M.O. and Ayalogu, E.O. (2006). Organic matter content monitoring of a flow-station effluent in Nigeria. Scientia Africana. (5), 60-71.
- xiv. Patrick Iwuanyanwu, K.C., Wegwu, M.O. Ayalogu, E.O. (2007). Prevention of CCL₄ – induced liver damage by ginger, garlic and vitamin E. Pakistan Journal of Biological Sciences. 10(4): 617-621.

- xv. Patick Iwuanyanwu, K.C., Wegwu, M.O. Ayalogu, E.O. (2007). The Protective Nature of Garlic, Ginger and Vitamin E on CCl₄ – Induced Hepatotoxicity in Rats. *Asian J. biochemistry* 2(6): 409-414.
- xvi. Akaninwor, J.O; Wegwu, M.O; Nwaichi, E.O. (2007). Levels of Some Heavy Metals and Physico Chemical Properties of Effluents from a Beverage Company in Rivers State, Nigeria. *J. Appl. Sci. Environ. Manage.* Vol. 11 (1) 27-30.
- xvii. Akaninwor J.O.; Wegwu M.O; Iba I.U. (2007). Removal of Iron, Zinc and Magnesium from Polluted Water Samples using Thioglycolic Modified Oil-Palm Fibre. *Afr. J. Biochemistry Research.* Vol. 1 (2). 011-013.
- xviii. Wegwu, M.O. and Akaninwor, J.O. (2007). Evaluation of the Acidity of Water Sources and Top Soil in some Industrial Areas of Nigeria. *JNES*, Vol. 4 (1). 62-70.
- xix. Wegwu, M.O. and Amadi, F.A. (2007) . Comparison of Mineral Content of some ripe and unripe fruits in Nigeria 11:15 – 18
- xx. Mathew O. Wegwu and Blessing C. Dida (2007). Hepatoprotective effects of *Garcinia kola* seed against hepatotoxicity Induced by carbon tetrachloride in rats *Biokemistri* 19(1):17-21.
- xxi Amadi B.A.¹ Agomuo¹ E.N. and Wegwu M.O. (2007). Effects of Aqueous Extract of *Carica Papaya* leaf on some liver function Parameters of Albino Rats. *International Jour. of Nature and Applied Sciences*, 3(2): 200 – 202.
- xxii Akaninwor J.O. , Wegwu M.O. and Iba I.U. (2008). Physicochemical and Bacteriological Characteristics of selected Rivers Waters in Akwa Ibom State, Nigeria *Jour. Of Research in Bioscience*, 4 (1).34-45.
- xxiii. K.C.Patrick-Iwuanyanwu and M.O. Wegwu, (2008). Prevention of Carbon Tetrachloride (CCL)-Induced Liver Damage in Rats by *Acanthus montanus*. *Asian Jour. of Biochemistry* 3 (4):213-220.

c. CHAPTER IN A BOOK

Wegwu, M.O. (2006). Essential Fundamentals of life. E.d. Wokoma,, I.P.A. Johny Printing Press, Nigeria pp. 45-67.

d. PAPERS PRESENTED AT CONFERENCE

- i. Abbey, B.W., Ibeh, G.O., Wegwu, M.O. (1999). Effects of Pollution on the Health of some aquatic fauna. IBMS Congress. Birmingham.
- ii. Akaninwor, J.O. Abbey, B.W., Wegwu, M.O. (2000). Pollution Monitoring of the Nembe Creek of Bayelsa State, Nigeria. Annual Regional Conference of the West African Society for Pharmacology, Port Harcourt.
- iii. Wegwu, M.O., Abbey, B.W., Ibeh, G.O. (2000). The effects of low levels of some Heavy metals on the hatchability of *Clarias gariepinus*. Annual Regional Conference of the West Africa Society for Pharmacology.
- iv. Uwakwe, A.A. and Wegwu, M.O. (2000). The effect of some metallic cations on Hbs gelation rate. SCRAG. Port Harcourt.
- v. Wegwu, M.O., Abbey, B.W., Ibeh, G.O. (2001). Air quality monitoring of an Industrial area of Nigeria. Nsukka.
- vi. Wegwu, M.O., Akaninwor, J.O., Okonkwo, A.D. (2001). Studies on water soluble fractions of Nigerian Crude oil: the pre-hatch and post-hatch of *Clarias gariepinus* Nsukka.
- vii. Wegwu, M.O., Wigwe I.A., Akaninwor, T.O. (2002). Estimation of some trace metal status of *Archachatina marginata* from the southern parts of Nigeria. Zazzau, Zaria.

16. RESEARCH IN PROGRESS

- i. Post – Impact Assessment of Ogbodo Soil Five years after incidence of Crude Oil Pollution.
- ii. Influence of heat treatment on polycyclic aromatic hydrocarbons in red and white meats.
- iii. Polycyclic aromatic hydrocarbon contents of foods grown in crude oil polluted soil.

17. **CONSULTANCY SERVICE**

Environmental Impact Assessment of Wilbros Nig. Operational Areas (1999)

18. **SCHOLARSHIPS**

- | | | |
|------|--|--------------|
| i. | Willbros Nig. Ltd. Post Primary Scholar | 1978 to 1983 |
| ii. | Willbros Nig. Ltd. Undergraduate Scholar | 1984 – 1991 |
| iii. | Federal Government Post Graduate Scholar | 1993 to 1995 |

19. **UNIVERSITY SERVICES:**

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|-------|--|------------------|
| i. | Undergraduate/Post Graduate Teaching | 1999 till Date |
| ii. | Undergraduate Supervisions | over 80 students |
| iii. | Post Graduate Supervisions | 20 students |
| iv. | Examination Officer (Biochemistry Department) | 1999 to 2002 |
| v. | Co-ordinator. Student Industrial Work Experience Scheme
(Faculty of Science) | 2000 to 2004 |
| vi. | Co-ordinator Student Industrial Work Experience Scheme
(Department of Biochemistry) | 2000 to 2002 |
| vii. | Secretary, Faculty of Science Book Review Committee | 2004 till Date |
| viii. | Secretary, Faculty of Science Project (Mac-Arthur Foundation) | 2004 till Date |
| ix. | Hall Warden, Donald Ekong B. | 2005 to 2006 |
| x. | Associate Dean of Students Affairs, University of Port Harcourt | 2006 till Date |

20. **POSITIONS HELD**

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|------|---|----------------|
| i. | Secretary, Worlu – Nena Educational Foundation | 2004 till Date |
| ii. | Secretary, Choba/Willbros Development Fund Committee | 2002 till Date |
| iii. | Member, Olobo Premier College Board | 2004 till Date |
| iv. | Member, East, Nigerian Union Mission of Seventh Day
Adventists manuscript Review Committee | 2006 till Date |
| v. | Director of music, Rivers Conference of seventh Day Adventists | 2000 till Date |
| vi. | National Secretary, Uniport Alumni Association | 2006 till Date |

21. **HOBBIES:**

Singing, Footballing, Swimming, Reading and Farming.

22. **REFERENCES:**

- i. Prof. C.M. Ojinnaka, Department of Chemistry, University of Port Harcourt, Nigeria.
- ii. Prof. E.O. Ayalogu, Deputy Vice Chancellor Administration, University of Port Harcourt, Nigeria.
- iii. Prof. B.W. Abbey, Dean, Graduate School, University of Port Harcourt, Nigeria.

Authenticated by me:

Dr. Matthew O. Wegwu