

CURRICULLUM VITAE

I **Biodata**

Name: (underline Surname) OIGIANGBE, OSAWE NATHANIEL

Current Address: Department of Zoology, Faculty of Natural Sciences,
Ambrose Alli University, P.M.B. 14, Ekpoma,
Edo State, Nigeria.

E-Mail Addresses: noigiangbe@aauekpoma.edu.ng; osawe_oigiangbe@hotmail.com

Passport Number: A 09430550

Date of Birth: August 17 1959

Nationality: Nigerian. State of Origin: Edo

Marital Status: Married.

Number of Children: Five

II **Skills**

i). A highly motivated academic with interest and experience in teaching and research in the field of Biology and Agricultural Entomology.

ii). Computer literate with the use of Microsoft Word, Excel, SAS. Breeding View, and the internet.

iii). Capable of extracting alkaloids from plants for use as biopesticides in the management of insect pests.

iv). Knowledgeable in genetically modified organisms (GMOs), especially as it relates to biosafety and biosecurity

III **Appointments**

(a) Present Appointment: Professor

(b) Date of Promotion/Appointment: October 1, 2010

IV **University Education (With dates):**

University of Benin 1980 – 1983

University of Ibadan 1985 – 1986

University of Ibadan 1991 – 1995

University of Ibadan 1996 – 2000

V **Academic Qualifications (With dates and granting bodies):**

B. Sc. (Hons) Zoology, Benin 1983

M. Sc. (Agric. Biology) Entomology, Ibadan 1986

M. Phil. (Crop Protection) Entomology, Ibadan 1995

Ph. D. (Crop Protection) Entomology, Ibadan 2000

VI **Professional Training, Qualifications and Diplomas:**

- 1). Statistics and statistical computing course (IITA, Ibadan, Nigeria)
- 2). Proposal writing course (IITA, Ibadan, Nigeria)
- 3). Research communication skills course (IITA, Ibadan, Nigeria)
- 4). Agricultural research management course (IITA, Ibadan, Nigeria)

VII Scholarships, Fellowship and Prizes:

- a. National Merit Award for Undergraduate Studies (Federal Government of Nigeria, 1981 - 1983)
- b. Graduate Research Fellowship Award (International Institute of Tropical Agriculture, July 1998 – June 1999)

VIII Honours, Distinctions and Membership of Learned Societies:

- 1). Member, Entomological Society of Nigeria.
- 2). Member, Nigerian Society for Plant Protection.
- 3). Member, Nigerian Field Society

IX Details of teaching experience at University:

- (a). Graduate Assistant, Ambrose Alli University, Ekpoma, Edo State. (1984 – 1986)
- (b). Assistant Lecturer, Ambrose Alli University, Ekpoma, Edo State. (1986 – 1988)
- (c). Lecturer II, Ambrose Alli University, Ekpoma, Edo State. (1988 – 1991)
- (d). Lecturer I, Ambrose Alli University, Ekpoma, Edo State. (1991 – 2000)
- (e). Senior Lecturer, Ambrose Alli University, Ekpoma, Edo State (2000 – 2007)
- (f). Reader, Ambrose Alli University, Ekpoma, Edo State (2007 – 2010)
- (g). Professor, Ambrose Alli University, Ekpoma, Edo State (2010 - Date)

(f). Courses taught at the Ambrose Alli University, Ekpoma:

(i). Undergraduate courses:

GST 102:	Man and the Biosphere	(1987 – 1988)
BIO 101:	Biology of Cells	(1985 – 1987)
ZLY 101:	Introductory Zoology	(2002 - 2005; 2006 - Date)
ZOO 111:	General Zoology	(1985 – 1988)
APB 201:	Vertebrate Pest Management	(1987 – 1989)
BIO 211:	Environmental Biology	(1986 – 1988)
BIO 202:	General Physiology	(2006 – Date)
ZOO 201:	Invertebrate Zoology	(1986 – 1988)
ZLY 201:	Lower Invertebrates	(1998 – 2004)
ZLY 202:	Higher Invertebrates	(2000 – 2002)
ZOO 202:	Animal Taxonomy	(1986 – 1988)
ZOO 211:	Vertebrate Zoology	(1986 – 1989)
ZOO 301:	Comparative Vertebrate Biology	(1986 – 1988)
ZLY 302:	Animal Taxonomy	(2001 – Date)
ZLY 303:	Lower Chordates	(2001 – 2002)
BIO 311:	Evolution	(1987 – 1989)
BIO 311:	Introductory Nematology	(2001 – Date)
BIO 312:	Biostatistics	(2001 – 2004)

ZOO 313:	Histology	(1986 – 1988; 2007)
ZOO 314:	Introductory Entomology	(1986 – 1989)
ZLY 313:	Animal Ecology	(2001 – Date)
ZLY 315:	Basic Entomology	(1997 – Date)
ZOO 402:	Animal Behaviour	(1987 – 1989)
ZOO 403:	Principles of Development and Reproductive Biology	(1987 – 1989; 2007 - 2008)
ZOO 411:	Entomology	(1987 – 1989)
ZLY 404:	Applied Entomology	(1997 – Date)
ZLY 415:	Animal Physiology	(2007 – Date)

(ii). Postgraduate courses:

ZLY 501:	General Entomology	(2003 – Date)
ZLY 709:	Medical and Veterinary Entomology	(2006 – Date)

(g). Student Supervision:

I have successfully supervised over thirty undergraduate project and seminar topics and one Postgraduate Diploma Student.

(h). Administration:

Chairman, Faculty Time Table Committee, Faculty of Natural Sciences, Ambrose Alli University, Ekpoma, Edo State. (1988–1990).

Departmental Time-Table Officer, Department of Zoology, Ekpoma. (2004 – 2004)

Member Examinations Malpractices Committee, Faculty of Natural Sciences, Ambrose Alli University, Ekpoma. (2002 – 2012)

Departmental Representative, Library Committee, Ambrose Alli University, Ekpoma. (2002 – 2004)

Registration Officer, 300 Level students. (2006 – 2014)

Registration Officer, 400 Level students. (2014 – 2016)

Seminar/Project Coordinator, Department of Zoology (October 2006 – 2012)

Head, Department of Zoology (November 2011 - October 2016)

Postgraduate Coordinator (June 2012 - October 2016; 2018 - Date)

IX Research:

(i). Completed:

- (a). Use of natural products in the control of storage pests of maize and cowpea.
- (b). Insect pest complex of maize/cassava intercrops.
- (c). Host plant resistance of cowpea to the legume pod borer, *Maruca vitrata*, Fabricius.

(ii). In progress:

- (a). Efficacy of extracts of *Astonia boonei* in the control of field and storage pests of cereals and legumes.
- (b). Nematode pests of arable crops in Edo State
- (c). Susceptibility of drought tolerant maize and cowpea varieties to storage insect pests
- (d). Management of the major insect pests of cereals and legumes with genetically modified varieties
- (e). Biochemical and nutritional factors responsible for maize and cowpea varietal resistance to insect pests

(iii). Dissertations and Thesis:

- (a). "Insecticidal properties of *Piper guineense*, *Xilopia eathiopica* and *Azadirachta indica* against *Callosobruchus maculatus* Fab." M. Sc. Dissertation, University of Ibadan, Ibadan, Nigeria. 35 pp.
- (b). "Incidence and severity of damage of insect pests of maize/cassava intercrops at Irewole Local Government Area, Osun State." M. Phil. Dissertation, University of Ibadan, Ibadan, Nigeria. 128 pp.
- (c). "Bases of resistance in some *Vigna* species and their effect on the nutritional ecology of *Maruca vitrata* Fabricius (Lepidoptera: Pyralidae)." Ph. D. Thesis, University of Ibadan, Ibadan, Nigeria. 222pp.

X Publications:

(i). Books

1. Ogiangbe, O.N. and Jackai, L.E.N. (2005). Major insect pests of cowpea. Ibadan. Daystar Press. 42 p.
2. Ogiangbe O. N. (2007). Basic Entomology for Beginners. Akobo, Ibadan. Fairchild Design 82 pp.

(ii). Patents: None

(iii). Articles that have already appeared or accepted in learned Journals:

1. Onolemhemhen, O.P. and N.O. Ogiangbe (1991). The biology of *Callosobruchus maculatus* Fab. on cowpea (*Vigna unguiculata* L. (Walp)) and pigeon pea (*Cajanus cajan* L. Druce) treated with vegetable oil and Thioral. *Samaru Journal of Agricultural Research* 8: 57 - 64
2. Ogiangbe, O.N. and O.P. Onolemhemhen (1992). Susceptibility of nine maize varieties to post-harvest infestation by *Sitophilus zeamais* Motsch. (Coleoptera: Curculionidae). *Journal of Experimental and Applied Biology* 2: 13 - 26.

3. Oigiangbe, O.N. and O.O. Omoregbee (1995). A survey for intestinal helminths in school children in Ekpoma, Nigeria. *Nigerian Annals of Natural Sciences* 2: 33 – 42.
4. Oigiangbe, O.N. and A.O. Onigbinde (1996). The association between some physico-chemical characteristics and susceptibility of cowpea (*Vigna unguiculata* L. Walp.) to *Callosobruchus maculatus* Fabricius. *Journal of Stored Products Research* 32 (1): 7 - 11.
5. Oigiangbe, O.N., M.F. Ivbijaro, F.K. Ewete, and H.J.W. Mutsaers (1997). Incidence and damage caused by stemborers on farmers' fields in southwestern Nigeria. *African Crop Science Journal* 5 (3): 295 - 302.
6. Oigiangbe, O.N. and Agbeyi O. (1999). Resistance of nine cowpea varieties to *Callosobruchus maculatus* Fab. (Coleoptera: Bruchidae). *Nigerian Annals of Natural Sciences* 4(1): 58 - 62.
7. Oigiangbe, O.N., L.E.N. Jackai, F.K. Ewete and L. Lajide (2001). The nutritional ecology of *Maruca vitrata* I: development on flowers of wild and cultivated *Vigna* species. *Insect Science and its Application*. 20: 259 – 268.
8. Oigiangbe, O.N., L.E.N. Jackai, F.K. Ewete, J. d' Hughes and L. Lajide (2002). Reduced consumption and use of pods of *Vigna* species (Leguminosae) by *Maruca vitrata* (Lepidoptera: Pyralidae). *African Entomology* 10(2): 333 – 340.
9. Oigiangbe, O. N. and J. E. Aikpokpodion (2004). Farmers' indigenous knowledge of insect and vertebrate pests and their control in Esanland of Edo State, Nigeria. *Nigerian Annals of Natural Sciences*, 5(1) 49 – 63.
10. Oigiangbe, O. N., M.F. Ivbijaro, F.K. Ewete and H.J.W. Mutsaers (2004). Maize earworms damage caused on small-scale farmers' field in southwestern Nigeria. *The Nigerian Journal of Agriculture and Forestry* 1 (2): 150-155.
11. Oigiangbe, ON., L.E.N. Jackai, F.K. Ewete and L. Lajide (2006). Bioactive fractions of n-hexane extracts from *Vigna* pods against the legume pod borer, *Maruca vitrata* Fabricius. *African Journal of Biotechnology*, 5(19): 1846-1850.
12. Oigiangbe, O.N., L.E.N. Jackai, F.K. Ewete, L. Lajide and J. d'A. Hughes (2006). Effects of pubescence on the oviposition and feeding behaviour of *M. vitrata* Fabricius on *Vigna* species. *Ghana Journal of Science*. 46: 55-65.
13. Oigiangbe, O. N., I. B. Igbinosa and M. Tamo (2007). Bioactivity of extracts of *Alstonia boonei* (Apocynaceae) De Wild Stem Bark against *Maruca vitrata* (Lepidoptera: Pyralidae) Fabricius. *Advances in Science and Technology*, 1(1): 67-70.
14. Oigiangbe O. N., Igbinosa I. B. and Tamo M. (2007). *Alstonia boonei*, a potential source of environmentally safe insecticide. In pp 231-236 Eromosele I. C. and Popoola T. O. S. (eds.) *Proceedings of the 2nd International Conference on Science & National*

Development focus on Endogenous Scientific Efforts in the Development of Nigerian Economy within the Context of NEEDS. October 10-13, 2006, College of Natural Sciences, University of Agriculture, Abeokuta, Nigeria. Ibadan, Textflow Limited.

15. Oigiangbe, O. N., Igbinosa, I. B. and Tamo, M. (2007). Insecticidal activity of the medicinal plant, *Alstonia boonei* De Wild, against *Sesamia calamistis* Hampson. *Journal of Zhejiang University Science B*. 8 (10): 752-755.
 16. Igbinosa I. B., Oigiangbe, O. N. and Egbon, N. I. (2007). Insect pests of rain fed upland rice and their natural enemies in Ekpoma, Edo State, Nigeria. *International Journal of Tropical Insect Science*. 27 (2): 70-77
 17. Oigiangbe, O. N., Uyi, O. H., Aisagbonhi, C. I. and Igbinosa, I. B. (2007). Ecological roles of insects on Siam weed, *Chromolaena odorata* (L.). *Advances in Science and Technology*, 1(2/3): 108-115.
 18. Igbinosa, I. B., Oigiangbe, O. N., Ojeifo, V. O. and Aisagbonhi, C. I. (2008). A checklist of beetles associated with logs in sawmills at Ekpoma, Edo State, Nigeria. *The Nigerian Field* 73: 18 – 24
 19. Oigiangbe, O. N., I. B. Igbinosa and M. Tamo (2010). Insecticidal properties of an alkaloid from *Alstonia boonei* De Wild. *Journal of Biopesticides* 3(Special Issue): 265 – 270
 20. Oigiangbe, O. N., M. Tamo and I. B. Igbinosa (2013). Bioactivity of *Alstonia boonei* De Wild leaf alkaloid on the growth and development of *Maruca vitrata* Fab. *Journal of Biopesticides* 6(2): 173-177
 21. Uyi, O. U., Egbon, I. N., Igbinosa, I. B., Adebayo R. A. and Oigiangbe, O. N. (2013). *Chromolaena odorata* in Nigeria: Extent of spread, problems and control. Proceedings of the Eight International Workshop on Biological Control and Management of *Chromolaena odorata*, Nairobi, Kenya, 1-2 November, 2011. (Abstract) P 43.
 22. Oigiangbe, O. N., M. Tamo, A. Ikhine and I. B. Igbinosa (2015). Incidence of and damage by lepidopterous borers on improved maize varieties in Ekpoma, Edo State, Nigeria. *Journal of Applied Zoological Researches*. 25(2): 109-113.
 23. Togola, A., Boukar, O., Belko, N., Chamarthi, S. K., Fatokun, C. Tamo, M., and Oigiangbe, N. (2017). Host plant resistance to insect pests in cowpea (*Vigna unguiculata* L. Walp.): Achievements and Future Prospects. *Euphytica* 213-239
 24. Togola, A., Boukar, O., Chamarthi, S., Belko N., Tamò M., Oigiangbe, N., Ojo, J., Ibikunle, M., and Fatokun, C. (2019). Evaluation of cowpea mini core accessions for resistance to flower bud thrips *Megalurothrips sjostedti* Trybom (Thysanoptera: Thripidae) *Journal of Economic Entomology* 143:683–692
- (iv). Chapters in Books and Articles already accepted for publication:
1. Oigiangbe, O. N. and Igbinosa, I. B. (2007). Recent trends in *Alstonia boonei* research in Africa In D. Thangadurai (Ed.) *Advances in Medicinal and Aromatic Plant Research*. Krishnagiri. Bioscience Publications (In Press).

2. Oigiangbe, O. N. (2014). Constraints to cowpea production in Africa In U. N. Bhale (Ed.) *Major constraints and verdict of crop productivity*. New Delhi. Daya Publishing House Vol. 1, 1-20.
3. Oigiangbe, O. N., M. Tamo and I. B. Igbinosa (2016). Bioactivity of *Alstonia boonei* De Wild leaf alkaloid on the growth and development of *Maruca vitrata* Fabricius In Sahayaraj K. and Selvaraj P. (editors) first edition pp 117 - 122 *Biopesticides: Innovations and Practices*. UK, Smith and Franklin.

XI Major Conferences Attended with Papers Read:

1. Oigiangbe, O.N., M.F. Ivbijaro and H.J.W. Mutsaers (1992). The insect pest complex of maize in maize/cassava intercrop at Ayepe, Osun State, Nigeria. *Paper presented at the 22nd Annual Conference of the Nigerian Society for Plant Protection*, University of Agriculture, Abeokuta, Nigeria. 6th – 9th April, 1992.
2. Oigiangbe, O.N., L.E.N. Jackai and F.K. Ewete (1998). Leaf pubescence affects the oviposition of *Maruca vitrata* Fabricius on *Vigna* species. *Paper presented at the 29th Annual Conference of the Entomological Society of Nigeria*, Nnamdi Azikiwe University, Awka, 7th – 10th October, 1998.
3. Oigiangbe, O.N., L.E.N. Jacakai, F.K. Ewete and L. Lajide (1998). Effects of pubescence of wild and cultivated *Vigna* species on the behavior of the legume pod borer, *Maruca vitrata* Fabricius. In pp 107 - 108 Symposium proceedings 1995, 1996, 1997, International Association of Research Scholars and Fellows. IITA, Ibadan, Nigeria.
4. Oigiangbe, O.N., L.E.N. Jackai, F.K. Ewete and L. Lajide (2000). Towards the identification of resistance factors in *Vigna* pods as a strategy for reducing damage to cowpea by insect pests. *Poster presented at the World Cowpea Research Conference III*, 4 – 7 September 2000, International Institute of Tropical Agriculture, Ibadan, Nigeria.
5. Oigiangbe O. N., Igbinosa I. B. and Tamo M. 2006. *Alstonia boonei*, a potential source of environmentally safe insecticide. *Paper presented at the 2nd International Conference on science & National Development*, October 10-13, 2006. College of Natural Sciences, University of Agriculture, Abeokuta, Nigeria.
6. Oigiangbe O. N., Igbinosa I. B., Tamo M., and Eguavoen O. (2008). Novel Insecticidal Alkaloids from *Alstonia boonei* De wild (Apocynaceae). Poster presented at the International Congress of Entomology, Durban, South Africa, July 6th – 12th, 2008.
7. Oigiangbe, O. N., I. B. Igbinosa and M. Tamo (2010). Insecticidal properties of an alkaloid from *Alstonia boonei* De Wild. Paper presented at the 2nd Biopesticide International Conference, BIOCICON 2009, November 26 – 30, 2009, St. Xavier's College, Palayamkottai, Tamil Nadu, India.
8. Oigiangbe, O.N., M. Tamo and I.B. Igbinosa (2012). Some factors affecting the productivity of maize in small scale farmers' fields in Ekpoma, Edo State, Nigeria. Paper presented at the International Congress of Entomology (ICE2012), Daegu, South Korea, August 19-25, 2012.

9. Oigiangbe, O. N., M. Tamo, A. Ikhine and I. B. Igbinosa (2014). Incidence of and damage by lepidopterous borers on improved maize varieties in Ekpoma, Edo State, Nigeria. Paper presented at the AZRA Silver Jubilee International Conference: Probing Bioscience for Food Security & Environmental Safety. 16-18 February, 2014, CRRI, Cuttack, India.
10. Oigiangbe, O. N. and M. Tamo (2015). Nematode pests of yam in Ekpoma, Edo State, Nigeria, and their response to Carbofuran and yam variety. International Plant Protection Congress, Berlin, Germany, August 24-28, 2015.

XII Public Lecture:

Oigiangbe, O. N. (2008). *The wonderful world of beetles*. Lecture delivered to the Nigerian Field Society, May 7, 2008, NSIAC Building, Jericho, Ibadan.

Oigiangbe, O. N. (2019). *Crop protection practices: best options for Nigeria*. 85th Inaugural Lecture of Ambrose Alli University, Ekpoma, Edo State, Thursday November 18, 2019. 45 p

Consultancy

Consultant Entomologist: Nation-wide Crop Pests Survey on Rice, Sugarcane, Pineapple and Sesame (2009-2010); Sponsored by the National Plant Quarantine Service, Federal Ministry of Agriculture and Natural Resources, Abuja, Nigeria.

Name and address of Referees:

1. Prof. L.E.N. Jackai
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Dept of Natural Resources and Environmental Design
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2. Prof. F. K. Ewete
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Nigeria.
3. Dr Manuele Tamo
International Institute of Tropical Agriculture, Benin Station, Cotonou.
Benin Republic