

## CURRICULUM VITAE



### 1. PERSONAL PARTICULARS

Name: Kaku Sagary NOKOE  
Title: Professor  
Place of birth, Nationality: Axim-Ghana, Ghanaian  
Marital status: Married with children  
Mailing address: UDS, Faculty of Applied Sciences, P O Box 24, Navrongo, Ghana  
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### 2. SCHOOLS ATTENDED

(a)	Anglican Mixed School, Axim, Ghana	1954-1961
(b)	Catholic Middle Boys School, Tarkwa, Ghana	1961-1962
(c)	Axim & Apam Secondary Schools (O/Level), Ghana	1962-1967
(d)	St. Peter's School (A/Level), Nkwatia-Kwahu Ghana	1967-1969
(e)	University of Ibadan, Ibadan, Nigeria	1969-1972
(f)	University of British Columbia (UBC), Vancouver, Canada	1973-1976

### 3. ACADEMIC QUALIFICATIONS/DISTINCTIONS

**WAEC/GCE (O/Level)** June 1967 (one sitting): Credits in Physics, Biology, Chemistry, Elementary Mathematics, Government, English Language, & Additional Mathematics

**WAEC/London GCE (A/Level)** June 1969 (one sitting): Passes in Physics, Chemistry, Pure Maths, Applied Maths, General Paper

*Awards: Axim Sec. School Mathematics & Biology prizes, 1965 & 1966*  
*St. Peter's School Best Overall Physical Science Student 1968*

**B.Sc.** Honours (Forestry), 2<sup>nd</sup> Class Upper, Ibadan 1972  
**M.F.** Biometrics/Mensuration, British Columbia, November 1974  
**Ph.D.** Biometrics, British Columbia, November 1976

*Awards: Tertiary institutions*  
*i) INTERAF/AAU Scholar (Univ. of Ibadan), 1969-1972*  
*ii) Commonwealth Prize for Best Graduating Student, Faculty of*

	<i>Agric/Forestry, University of Ibadan, 1972</i>
	<i>iii) Macmillan-Bloddel Fellow in Mensuration, UBC, 1973</i>
	<i>iv) UBC Scholar, 1974-76</i>
<b>Project/Dissertations/Theses:</b>	<b>BSc:</b> Specific Gravity Variation in <i>Gmelina arborea</i>
	<b>MF:</b> Nonlinear Models for Volume-age Curves
	<b>PhD:</b> Minimum-Variance Sampling Schemes for the Scaling of logs by weight
<b>Elected Member</b>	International Statistical Institute (February 2002)
<b>Elected Fellow</b>	Ghana Academy of Arts and Sciences (13 July, 2006)
<b>Rob Kempton Award</b>	International Biometric Society (22 July, 2006)
<b>Distinguished Foresters Award</b>	Forestry Association of Nigeria, 24 November, 2006

#### 4. APPOINTMENT/EMPLOYMENT HISTORY

10 <sup>th</sup> April 2007 to Date	Acting Vice-Chancellor, University for Development Studies
1 <sup>st</sup> Dec 2005 – 21 <sup>st</sup> Nov 2008	Pro-Vice-Chancellor, University for Development Studies, Tamale
31 October 2003 – Date	Full Professor, Department of Applied Mathematics & Computer Science, University for Development Studies (UDS) Navrongo Campus, PO Box 24, Navrongo Ghana
	UDS_Teaching & Learning Innovative Fund Coordinator, Coordinator, UDS_France French Language Centre, 2004-2007
<i>Visiting Appointments:</i>	<i>Professor, Regional MSc Biometry Programme, University of Nairobi, Kenya 2004-2005</i>
	<i>Professor, MSc Applied Statistics/Biostatistics Programme, Center for Statistics, Limburgs Universitair Centrum (University of Hasselt) Diepenbeek, Belgium, Belgium April-June 2003; April-June 2005</i>
24 October 2001 – 31 Dec 2003	Full Professor of Biometrics (and Head of Department, from November 17, 2001), Department of Mathematical Sciences, University of Agriculture (UNAAB), PMB 2240 Abeokuta, Ogun State, Nigeria [Terminal Leave: November-December 2003]
<i>Visiting Appointments:</i>	<i>Visiting Professor, School of Mathematics, Statistics &amp; Information Technology, University of Natal (now Kwazulu-Natal) Pietermaritzburg South Africa February-March, 2002</i>
15 Oct. 1994 – April 2002	Biometrician and Head of Biometrics, International Institute of Tropical Agriculture (IITA), PMB 5320, Ibadan, Nigeria [Terminal study leave from 1 Nov 2001 – 30 April 2002]
Feb. 1993 – 14 Oct. 1994	Head, Computing & Biometrics, International Livestock Centre for Africa, Box 5689, Addis Abeba, Ethiopia

Feb. 1987 - Feb. 1993	Head, Biomathematics Unit & Senior Scientist/Modeller, Livestock Pests Research Program, International Centre of Insect Physiology and Ecology (ICIPE), P O Box 30772, Nairobi, Kenya  Consultant Forest Research Statistician, Bhutan, Asia (FAO/UNDP/RGOB Project BHU/85/016 [On leave of absence from ICIPE, March-October 1991].
June 1984 - Feb. 1987	Senior Lecturer in Biometrics, Rivers State University of Science and Technology, Port Harcourt, Nigeria
March 1981 - June 1984	Biometrician, Biometrics Division, Forestry Research Institute of Nigeria, P M B 5054, Ibadan, Nigeria <b>Part-time Lecturer</b> , University of Ibadan, Ibadan (Departments of Forest Resources and Statistics; BSc-PhD programmes); 1983-1984 Ambrose Ali University (Department of Forestry & Fisheries – BSc programme, Ekpoma (1983 – 1984)
October 1977 - Feb. 1981	Biometrician and Head of Statistics/Records Division, National Cereals Research Institute, Ibadan, Nigeria <b>Part-time Lecturer</b> , University of Ibadan, Ibadan (Departments of Forest Resources Management, Statistics; BSc-PhD programmes)
October 1976 - Sept. 1977	Lecturer in Forest Biometrics, Department of Forest Resources Management, University of Ibadan, Ibadan
July 1972 - Sept. 1973	Assistant Research Officer, Forest Products Research Institute (FORIG), KNUST P O Box 63 Kumasi

## 5. PROFESSIONAL EXPERIENCE AS TEACHER AND RESEARCHER

### ***PRESENTATION OF INVITED PAPERS AT INTERNATIONAL CONFERENCES/WORKSHOPS***

- International Biometric Conferences, Hamilton-New Zealand (1992); Cape Town – South Africa (1998) ; Cairns – Australia (2004)
- First SPRUCE (Statistics in Public Resource, Utilities, and Care of the Environment) Conference, Lisbon-Portugal (1992),
- CTA-University of Hohenheim convened workshop on ‘Strengthening of Biometry and Statistics in Agricultural Research’ (1996), Hohenheim Germany
- 5<sup>th</sup> Caribbean and South American Network Meeting of the International Biometric Society, Crown Point-Tobago (1999)
- The Université Nationale du Benin seminar on ‘Mieux collecter l’information et mieux l’analyser: le cas de l’experimentation agricole’, Cotonou-Benin Republic (1999).
- Silver Jubilee of Nigeria Statistical Association, Abuja (2001),
- 2<sup>nd</sup> International Biometric Society Conference of the Eastern Mediterranean Region, Antalya, Turkey, 12-15 January 2003
- SUSAN-IBS, University of Natal, South Africa 7-12 July 2003;
- First Pan African Biomathematics Congress, Makerere University, Kampala Uganda 8-12 Dec 2003.
- Sustainability and Environment Conference, Near East University, North Cyprus 19-24 Feb, 2007

## ***PRESENTATION OF SHORT COURSES AT DIFFERENT LOCATIONS IN AFRICA***

- Technical Centre for Agriculture and Rural Cooperation (CTA, Netherlands) sponsored courses on Data Analysis in Ghana, Nigeria, Mozambique, Zambia (+ADB-sponsored course in Cameroon) 2001-2008.
- Statistics and Statistical Computing courses for graduate research fellows of the International Institute of Tropical Agriculture (IITA) in Nigeria, Benin Republic and Uganda 1995-2002.
- Statistical handling of messy-crop livestock data [For selected biometricians from Congo, Ethiopia, Kenya, Nigeria, Ghana, Uganda, Zimbabwe and Malawi] 15- 26 June 1998
- Analyse multivarié. Bouaké, Cote d'Ivoire, 12-21 January 1998
- Statistical data analyses with GENSTAT. [For participants of the IFAD supported Zanzibar Small Holder Support Project (IFAD-ZSSP)] Zanzibar, 03-21 November 1997.
- Statistical data analyses with GENSTAT. [For participants of the Southern African Root Crop Research Network (SARRNET)] Pretoria, South Africa, 13-31 October 1997.
- Biometric applications in crop-livestock systems. IITA-Ibadan, 14-25 April 1997
- Advanced statistical computing and data analyses with GENSTAT/SAS [For the Eastern and Central African Root Crop Research Network (EARRNET)] Kampala, Uganda. 1996, 1997
- Advanced statistical computing course for agronomists and breeders (of the West and Central African Maize Network, WECAMAN of IITA). Ilorin, Nigeria 9-22 June 1996
- Use of computer simulated models for tick management. International Group Training course on "Development of tick control strategies for tropical developing world, ICIPE, Nairobi, 14 September, to 9 October, 1992.
- International Training Course on 'Efficient data collection, analyses and interpretation in pest management', ICIPE, Nairobi and Mbita Point, Kenya 21 Oct. – 9 November 1991.
- 'Quantitative basis for pest management'. PESTNET Methodology Workshop, Harare Zimbabwe 14-20 October 1990
- Statistical issues: PESTNET Methodology Workshop. Harare, Zimbabwe 14-20 Oct., 1990
- 'Error reduction procedures in data collection and analysis'. PESTNET Methodology Workshop, Mogadishu, Somalia, 5-10 February 1989
- Statistical aspects of alley farming: Designs and data analysis. AFNETA Course on Alley Farming, IITA Ibadan, Nigeria, 7-18 August 1989.
- Ninth & 10<sup>th</sup> International Training Course on 'Components essential for ecologically sound pest & vector management systems' (Nairobi 10-29 August 1986 & 1987). Lectures on Population processes/modeling, integrated pest-control strategies, and sequential charts

## ***CONSULTANCIES (TRAINING & DATA ANALYSIS): 2001-date***

- Resource person: Statistics with applications in veterinary research, ITC - International Trypanotolerance Centre, Banjul, The Gambia 23-28 April, 2001.
- Course Director & Resource person: Experimental Data Analysis with SAS, National Root Crops Research Institute, 19 Feb - 2 March 2001, Umudike Nigeria
- IITA Graduate Research Fellows course in Statistical Computing – 2001/2002
- Director & Resource person: CTA-CSIR Biometrics course for researchers, CSIR-INSTI 8-20 July 2002
- Course Director & Resource person: CTA Biometrics Training course for Mozambican National Scientists, Maputo 18-29 November 2002
- Consultant Biometrician, Nigeria Food Consumption & Nutrition Survey (FCNS 2001), USAID/USDA/UNICEF/FGN/IITA, 2001-2003
- Course Director & Resource person: ADB-IRAD sponsored course on 'Statistical Analysis with SAS' for Cameroon Researchers, 17 – 27 February 2003.
- Consultant Data Analyst: EPHTA socio-economic data analysis, IITA Humid Forest Centre, Nkolbisson, Yaoundé Cameroon February 2003
- Course Director & Resource person: CTA sponsored Regional Course on 'Scientific Data Management',

- University of Agriculture, Abeokuta 26 July – August 2003
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management II’, University of Agriculture, Abeokuta 1 March – 12 March 2004
- Resource person: CTA sponsored Caribbean and South America Regional Course on ‘Scientific Data Management’, St Kitts, 13-18 September 2004
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management III’, University of Agriculture, Abeokuta 9 March – 19 March 2005
- Consultant to Bolgatanga Polytechnic on TALIF Proposal Improvement, National Council for Tertiary Education (NCTE), Accra Ghana [August, 2005]
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management IV’, University of Agriculture, Abeokuta 20 March – 31 March 2006
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management’, INSTI-CSIR, Accra Ghana 12 March – 24 March 2007
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management’, Port Moresby, Papua New Guinea, July 2008
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management’, Suva, Fiji Islands, November 2008
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management’, CSIR-INSTI, Accra 31 March 2008-10 April 2008
- Course Director & Resource person: CTA sponsored Regional Course on ‘Scientific Data Management’, Lusaka, Zambia 27<sup>th</sup> October- 6<sup>th</sup> November 2008
- Consultant Biometrician, Sub-Saharan Africa-Challenge Prgogram, FARA, Accra November 20<sup>th</sup> 2008 to Date

- GRADUATES SUPERVISED AND DEGREES AWARDED

- Agbavwe, C.E. M.Sc. (Forest Biometrics), University of Ibadan, Nigeria, 1981
- Nwaigbo, L.C. M.Sc. (Forest Biometrics), University of Ibadan, Nigeria, 1981
- Oyeleye, B.A. M.Sc. (Forest Biometrics), University of Ibadan, Nigeria, 1983
- Ameen, M.O. M.Sc. (Forest Biometrics), University of Ibadan, Nigeria, 1983
- Bada, S.O. Ph.D. (Ecological Modelling), University of Ibadan, Nigeria 1984
- Adegbehin, J.O. Ph.D. (Forest Mensuration), Univ. of Ibadan, Nigeria, 1985
- Adele, Ngi-Song M.Phil.(Entomol.), Rivers State Univ. of Sci. & Tech, Nigeria 1990
- Nwilenu, F. E. Ph.D. (Modelling-Entomology), R/S Univ. of Science & Tech., 1992
- Bob-Manuel, R. Ph.D. (Modelling-Entomology), R/S Univ. of Science & Tech., 1992
- Oranga, Hezron Ph.D. (Statistics), Moi University, Kenya, 1997
- Onibokun, Taiwo M.Sc. (Statistics), University of Ibadan, Nigeria, 1999
- Emerole, Chioma M.Sc. (Statistics), University of Ibadan, Nigeria, 2000
- Adeola, Adetokunbo Ph.D. (Social Forestry), University of Ibadan, Nigeria, 2001
- Fregene, Tosan Ph.D. (Fisheries Management), University of Ibadan, Nigeria 2002
- Olaore, Funmilayo A M.Sc. (Statistics), University of Agriculture, Abeokuta Nigeria 2003
- Asiwe, Joseph Ph.D. (Entomology) University of Ibadan, Nigeria 2004
- Oyeleye, B A Ph.D. (Biometrics) University of Agriculture Abeokuta Nigeria 2004
- Dawodu, G A M.Sc. (Statistical Computing) University of Agriculture, Nigeria 2004
- Adebajji, A. Ph.D. (Statistics), University of Ibadan, Nigeria 2006
- Luguterah, Albert M.Sc. (Statistics), University of Cape Coast, Ghana 2008
- Anana N. Donatus M.Sc. (Statistics), University of Cape Coast, Ghana 2008
- Poku Asare M.Phil. (Statistics), University of Cape Coast, Ghana 2008
- Kyei, Leonard M.Sc. (Statistics), University of Cape Coast, Ghana 2008
- Sarpong, Solomon M.Phil. (Statistics), University of Cape Coast, Ghana (Expected 2009)

## **TITLES OF POST-BSc THESES/DISSERTATIONS SUPERVISED & EXAMINED**

- Optimum number of strata determination in stratified random sampling
- Location X Species interaction in provenance trials
- A critical statistical assessment of height growth of exotic species
- Compatible volume and taper estimating system for *Gmelina arborea*
- Growth patterns in an untreated tropical rain forest ecosystem
- Growth prediction in some plantations of exotic tree species in the Northern Guinea and derived Savannah zones of Nigeria
- A model of parasitism by *Trichogramma sp.* on the stalk borer *Chilo partellus* Swinhoe on sorghum
- Effect of an entomopathogenic fungus on dynamics and control of cassava green spider mite
- Modelling impact of ticks on productivity of livestock in Rusinga Island
- Spatial analysis of a set of experiments
- Statistical investigation of some nutritional characteristics of boarding students in Kings College, Lagos
- Farmers' perception of social forestry impact in the semi arid zone of Nigeria
- Poverty assessment in fishing communities in Lagos State, Nigeria
- Categorical modelling of low causes of enrolment in science programmes
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- Variance modelling of multilocational forestry trials in Nigeria
- On techniques of multiple imputation and enhancement of SOLAS™
- Effects of Mahalanobis distance and prior probabilities on the performance of the linear and quadratic discriminant functions: A Monte Carlo approach.
- Analysis of repeated measures of weights of infants in the Tamale Metropolis
- Statistical analysis of malnutrition in Bolga District
- Models for hypertensive diabetes
- Malaria Incidence Models
- Evaluating the performance of robust indices for distance-based classification algorithms

### • SUBJECTS TAUGHT AT UNIVERSITY LEVEL

- |   |           |
|---|-----------|
| • Forest Mensuration                      | 1976-1986 |
| • Growth and Yield                        | 1977-1984 |
| • Design and Analysis of Experiments      | 1976-2008 |
| • Probability and Introductory Statistics | 1976-2006 |
| • Sampling Techniques (Basic and Advance) | 1976-2007 |
| • Linear Models                           | 1996-2008 |
| • Multivariate Statistics                 | 2001-2006 |
| • Environmental Modelling                 | 2005-2008 |
| • Mathematical Modelling and Applications | 2004-2008 |
| • Sampling of Elusive Populations         | 2004-2008 |
| • Research methodology                    | 2006-2008 |
| • Statistical Computing and Data Analysis | 1996-2008 |

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### • OTHER EXPERIENCE/ACCOMPLISHMENT

- External Examiner, Ph.D. candidates, University of Zambia 1992; Moi University 1992/3; University of Ibadan, 2002
- External Examiner, M.Sc. candidates, Makerere University 2001, 2002 and 2004 sessions; University of

- Natal (now KwazuluNatal, Pietermaritzburg 2002);
- External Assessor, Associate Professorial candidate, Ahmadu Bello University, Nigeria 1994;
- External Assessor, Professorial candidates, University of Ibadan (Agricultural Engineering) and University of Nigeria, Nsukka (Statistics) Nigeria 2005.
- Associate Editor, Environmental and Ecological Statistics (1992 – 2004)
- Associate Editor, JABES 2003-2005
- Member, Editorial Board, Journal of Tropical Forest Resources (1997 – date);
- Member, Editorial Board (IITA Research) & Public. Review Committee (1994 – 2001)
- Member, Award Fund Committee, International Biometric Society (1996-2000)
- Founding Member, Sub-Saharan Africa Network of Inter. Biometric Society (1993-date)
- Group Secretary, International Biometric Society, Kenya (1992-Feb'93); Nigeria (1997-2000); Member, Editorial Advisory Committee, International Biometric Society (1994-1998)
- Principal coordinator, and member of Local Organizing Committee of the 5<sup>th</sup> Scientific Conference of the Sub-Saharan Africa Network (SUSAN) of International Biometric Society, IITA-Ibadan, 23-27 August 1999.
- Served on the CTA-convened technical team (1995) that drafted the terms of reference of a special study on 'Strengthening of Biometry and Statistics in Agricultural Research'.
- Session Organiser, 55<sup>th</sup> session of International Statistical Institute (ISI 2005 Sydney Australia), on 'Agricultural Investigations in Challenging Situations'.
- Member, International Programme Committee, International Biometric Society 2006
- Member, International Biometric Society GONC, 2006
- Member, Ghana National Committee, West Africa Examinations Council 2007-date
- Member Representing Ghana, Research Sub-Committee, West Africa Examinations Council 2007-date
- Member, Ghana Environmental Management Project, 2007-date
- Member, International Advisory Board on CAPTURED project, 2008-date

## 6. MEMBERSHIP OF UNIVERSITY COMMITTEES

- *Member*, Senate of the University of Agriculture, Abeokuta (UNAAB) – [2001- 2003]
- *Member*, Board of Studies, College of Natural Sciences, University of Agriculture, Abeokuta – [2001- 2003]
- *Member*, Faculty Board, College of Natural Sciences, University of Agriculture, Abeokuta – [2001- 2003]
- *Chairman*, UNAAB Senate Committee on Publicity of National University Commission Rankings of Universities in Nigeria [2002]
- *Member*, University Committee on Excess Workload, UNAAB [2002- 2003]
- *Member*, University Committee on NUPTAS UNAAB, [2002- 2003]
- *Member*, Academic Board, University for Development Studies, Ghana [2003-date]
- *Member*, UDS Council Search Committee for Registrar, 2004-2005
- *Member*, UDS Appointments and Promotion Board (Senior Members), 2004-date
- *Member and Campus Coordinator*, Review Teaching & Learning Innovative Fund (TALIF) 2004-2007
- *Member*, UDS Ad-hoc Committee on 'Regulations Relating to the Bachelor Degree Programme and for Conducting Examinations', 2005
- *Chairman*, Third Trimester Field Practical Programme Committee
- *Member*, UDS Council 1<sup>st</sup> December 2005 – date
- *Member*, Finance Committee of UDS 1<sup>st</sup> December 2005 – 31<sup>st</sup> September 2007
- *Chairman*, Housing Committee, UDS 1<sup>st</sup> December 2005 – 31<sup>st</sup> September 2007
- *Chairman*, statutory committees of Academic Board of UDS (10<sup>th</sup> April 2007 to date)
- *Member*, UDS Council Search Committee for Vice-Chancellor, November 2007 – August 2008

## 7. PUBLICATIONS

### (a) Books/Manuscripts/Edited Proceedings

1. Nokoe, S. (Ed.), 1986. *Ecological Limits of Abuse*. Ecological Society of Nigeria, Port Harcourt, Nigeria, ECOSON, Nigeria
2. Patel, M.S. and S. Nokoe (Eds.), 1991. *Biometry for Development*. ICIPE Science Press, Nairobi, 198pp.
3. Nokoe, S. (Ed.), 2000. *Biometry and Quality of Life*. SUSAN-IBS, Nairobi, Kenya 304pp

### b) Articles/Chapters in Books/Published Manuals

4. Nokoe, S., 1992. Statistical and experimental design considerations in alley farming. In: *The AFNETA alley farming training manual - Vol. 1 (Eds: Tripathi B.R & Psychas P.J)*, Paper 7, 1-34.
5. Nokoe, S., 1992. Examples of experimental designs for alley farming trials. In: *The AFNETA alley farming training manual - Vol. 2 (Eds: Tripathi B.R & Psychas P.J)*, Techn. Paper 8, 1-23
6. Nokoe, S., 1993. Quantitative assessment of growth in the tropical rainforests In: *Statistics for the Environment* (Eds. Vic Barnett & K. Feridun Turkman), John Wiley, England, Chapter 18
7. Omiti, J., Ehui, S., Parton, K., and S. Nokoe, 1996. Some effects of institutional reform on mechanisms of land, labour and animal traction use in the Ethiopian Highlands. In: *Agricultural Competitiveness, Market Forces, and Policy Choice: Eastern and Southern African Perspectives and Case Studies*, pp. 305-315, Lit Verlag, Munster-Hamburg.
8. Nokoe, Sagary, 1997. Improving training in biometry for agricultural scientists In: *Strengthening Biometry and Statistics in Agricultural Research*, pp78-90, CTA, Wageningen.
9. Rey, B., Agyemang, K., Thorpe, W., Mullins, G., Diedhiou, M., Nokoe, S. and B. M. Shapiro, 1999. *A research methodology for characterising dairy production systems*, Market-oriented Smallholder Dairy Research Working Document No. 4., ILRI-Nairobi. 91p
10. Nokoe, S., 2000. Biometric issues in agronomy: further on-station and on-farm designs and analyses. In: Akoroda, M O (ed.) *Agronomy in Nigeria*, Department of Agronomy, University of Ibadan, Nigeria pp.35-42.
11. Nokoe, S., 2001. Age/growth Modeling. In: Abdel El-Shaarawi & Walt Piegorsch (eds.) *Encyclopedia of Environmetrics Vol. 1*, John Wiley, UK pp.32-41
12. Nokoe, K. S., 2004. Biomathematical modelling of stand growth: concepts, challenges or missing links. In: *Importance of Mathematical Modelling of Biological Processes* (Luboobi, L. S., Mugisha, J. Y. T., and Kasozi, J. (eds.), Makerere University Press, pp121-132 [Also as 101]
13. Tchuenche, J. M. and Nokoe, K. S., 2004. A mathematical model for the control of SARS epidemic. In: *Importance of Mathematical Modelling of Biological Processes* [Luboobi, L. S., Mugisha, J. Y. T., and Kasozi, J. (eds.)], Makerere University Press, pp69-77 [Also as 102]

### c) Articles in Peer Reviewed Journals

14. Okojie, J. and S. Nokoe, 1976. Choosing appropriate volume equations for *Gmelina arborea* Linn. for two plantation sites in Nigeria. *Nigerian Journal of Forestry*, 6(1 & 2): 67-69.

15. Nokoe, S., 1978. Demonstrating the flexibility of the Gompertz function as a yield model using mature species data. *Commonwealth Forestry Review*, 57(1): 35-41.
16. Nokoe, S. and A Kozak, 1979. A sampling procedure for the scaling of logs by weight, *Obeche*, 14/15: 9-14.
17. Nokoe, S. and A. Kozak, 1979. Obtaining a composite volume – age function with the Gompertz model, *Northwest Science*, 53(1): 12-17.
18. Nokoe, S. and J. Okojie, 1979. A data-base study on the validity of a joint *Gmelina* volume equation for Omo and Awi plantation sites in Nigeria. *Nigerian Journal of Science*, 13(1&2): 79-85.
19. Nokoe, S., 1980. Nonlinear models fitted to stand volume – age data compare favourably with British Columbia Forest Service hand-drawn volume – age curves. *Canadian Journal Forest Research*, 10(3): 304-307.
20. Nokoe, S. and A. Kozak, 1981. Improved efficiency in weight scaling operations through post-stratification techniques. *Northwest Science*, 55(4): 263-268.
21. Nokoe, S. and J. Okojie, 1984. Relationships between stand attributes and Weibull parameters. *Ecological Modelling*, 24: 231-240.
22. Nokoe, S., 1984. Volume Tables for *Cedrela odorata*, L. *Commonwealth Forestry Review*, 63(1): 35-40.
23. Adegbehin, J.O., Okojie, J.A. and S. Nokoe, 1984. Appraisal of Growth of *Pinus caribaea* in Northern Nigeria. *Nigerian Journal of Forestry*, 14(1 & 2): 29-33.
24. Okojie, J. and S. Nokoe, 1985. Stand development of species of varying tolerance. *Ecological modelling*, 30: 71-82.
25. Ola-Adams, B.A., S. Nokoe and A.O. Adeola, 1985. An exponential model for diameter movement in Gambari Forest Reserve, South Western Nigeria. *Nigeria J. of Forestry* 15: 43-45.
26. Adegbehin, J., Okojie, J.A., S. Nokoe and J.E. Omijeh, 1985. A Preliminary growth study of *Pinus caribaea* in the Northern and Derived Savanna zones of Nigeria. *Edited Proceedings of the 1985 Annual Conference of Forestry Association*, Gongola, pp.125-134.
27. Nokoe, S., 1986. Further considerations of the Markov model: a challenge to quantitative ecologists and biomathematicians *Edited Proceedings of the 1985 Annual Conference of the Ecological Society of Nigeria*, 3-5th May 1985 pp. 248-254.
28. Nokoe, S., Jolayemi J., Ayanwale, A. and C. Onyeagba, 1986. Conversion tables for mini-plot experimental data for rice and maize populations into hectarage units. *Nigerian Agricultural Journal*, 21: 123-127.
29. Nokoe, S., Latif, A.A., Capstick, P. B., and D. K. Punyua, 1988. Quantifying the level of resistance in cattle to *Rhipicephalus appendiculatus* (acarina: ixodidae) using a multivariate analytical procedure. In: *Proceedings of International Workshop on Biomathematics*, (Eds: Sowunmi, C. O. A., Olaofe, O. G., Vega-Catalan, F. J. and L. Ugochuckwu Uko), p87-94.
30. Adegbehin, J.O., S. Nokoe and J.A. Okojie, 1988. Trials and Growth of *Pinus caribaea* in Northern Nigeria. *Pakistan Journal of Forestry*, Jan. 1988, p.1-13
31. Adegbehin, J.O., J.A Okojie and S. Nokoe, 1988. Growth of *Eucalyptus teriticornis* and *Pinus caribaea* at  
KSN CV 19/01/2009

different sites in Northern Nigeria *Forest Ecology and Management*, 23:261-272

32. Nokoe, S., 1988. Modelling approaches to vectors. *Kenya Veterinarian*, 12(2): 21-22
33. Nokoe, S. and L.M. Rogo, 1988. A Discriminant Function for the Short- and Long-setaed forms of the *Mononychellus* species complex. *Insect Science and Its Applications*, 9(4): 429-432.
34. Rogo, L.M., Oloo, G.W., S. Nokoe and H. Magalit, 1988. A study of the *Mononychellus* (Acari:Tetranychidae) species complex from selected cassava growing areas of Africa using principal component analysis. *Insect Science and Its Applications*, 9(5): 593-599.
35. Nokoe, S. and D. Munyinyi, 1989. Interface with Social Science Research Unit: Experience with analysis of Kendu Bay and Oyugis data. In: *Proceedings of Social Science Workshop, ICIPE, Nairobi*, 6 May 1989 (Ed.: K.K. Prah) p63-68.
36. Nokoe, S., 1989. Relevance of basic experimental design principles and assumptions to African agriculture. *Edited proceedings of the 1st scientific conference of the African Statistical Association*, Abuja Oct 29-Nov 3, 1989. Chapter 23, pp. 362-367.
37. Bada, S.O., S. Nokoe and J.A. Okojie, 1989. Population dynamics of selected tree species in a strict natural reserve in the moist tropical forest zone. *Discovery and Innovation*, 1(3) 71-76
38. Latif, A.A., J.N. Maina, T.S. Dhadialla and S. Nokoe, 1990. Histological reactions to bites of *Amblyomma variegatum* and *Rhipicephalus appendiculatus* fed simultaneously on naive or sensitized rabbits. *Journal of Medical Entomology*, 27(3): 316- 323.
39. Nokoe, S. and J.O. Olufowote, 1990. Determining the number of locations and repetitions in rice yield trials. *Discovery and Innovation* 2(4), 67-72.
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## Under Review

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### **(d) Published Abstracts/Poster**

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Asiwe, J.A.N., Ewete, F.K., Nokoe, S. and Jackai, L.E.N. (2008). The impact of phosphate fertilizer as a pest management tactic in four cowpea varieties. Book of abstracts, The XXIII International Congress of Entomology, 6-12 July, 2008, Durban, South Africa.

### **(d) Technical Guides**

Nokoe, S., 1991. Guide to computer data inputting and statistical analysis. FAO/RGOB Working Document No.20, Department of Forests, Thimphu, Bhutan.

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Nokoe, K S et al. (1996-2008) Several guides on Scientific Data Management (Analysis) for CTA, IITA

## **7. SELECTED CONFERENCES AND WORKSHOPS ATTENDED (2000-Date)**

- World Cowpea Research Conference III, IITA, Ibadan, Nigeria, 4-7 September 2000
- 19<sup>th</sup> Annual Conference of the Horticultural Society of Nigeria, Nsukka, Nigeria 28-31 May 2001
- 7<sup>th</sup> Scientific meeting of SUSAN –International Biometric Society, Kampala Uganda June 2001

- 8<sup>th</sup> Scientific meeting of SUSAN –International Biometric Society, Natal, S. Africa June 2003
- AMU – International Conference of Mathematical Sciences, Abeokuta 16-22 November 2003
- 1<sup>st</sup> Pan-African Biomathematics Congress, Makerere University, Kampala 8-12 December 2003
- South Africa Statistical Association, 51<sup>st</sup> Annual Conference, UFS Free State, Bloemfontein 2-5 Nov 2004
- Sustainability and Environment, Near East University, Ercan, North Cyprus, 19-24 February 2007
- COVIDSET (ANSTI) – Accra, Ghana 2005
- 10<sup>th</sup> Scientific Meeting of SUSAN - International Biometric Society, KNUST, Kumasi Ghana July 2007
- COVIDSET (ANSTI) – South Africa, 2007
- AAU – Heads of Higher Education Institutions in Africa on ‘Brain Drain’, Tripoli, Libya 2007
- Higher Education Seminar, Galilee College, Israel, January-February 2008
- USAID sponsored Africa Regional Higher Education Summit, Kigali Rwanda 21-24 October 2008

## 8. MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS

- International Biometric Society, IBS (Member of Council 2000 - 2007)
- Sub Saharan Africa Network of IBS
- Nigerian Statistical Association (up to December 2003)
- International Association of Statistical Computing (since 2000)
- Elected Member, International Statistical Institute (from 2002)
- African Society of Biomathematics (Board Member 2003-Date)
- Fellow, Ghana Academy of Arts and Sciences (Since July 2006)

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