

CURRICULUM VITAE

NAME: Elias Henry Olare Ayiemba, Ph.D

DATE OF BIRTH: 16th June 1946

MARITAL STATUS: Married with four children
(3 boys and 1 girl, all above 18 years)

CURRENT POSITION: **Professor of Geography**
Department of Geography and Environmental Studies
University of Nairobi

PERMANENT ADDRESS: Department of Geography and Environmental Studies
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1. DEGREES, DIPLOMAS AND CERTIFICATES AWARDED

- 1993: Certificate of Medical Anthropology
Department of Social Medicine, Harvard Medical School,
Harvard University, Boston, MA, U.S.A
- 1985: Doctor of Philosophy in Population Geography (University of
Nairobi, Kenya)
- 1979: Graduate Certificate in Demography (Florida State University,
Tallahassee, U.S.A.)
- 1975: Master of Arts in Population Geography (University of Nairobi,
Kenya)
- 1971: Bachelor of Arts (Hon) in Geography (University of Nairobi,
Kenya)
- 1971: Certificate of Education (University of Nairobi, Kenya)

2. EDUCATIONAL CAREER

- 1999: On sabbatical leave at the Department of Social Medicine,
Harvard Medical School, Boston, MA, USA.
- 1996: Visiting scholar, Liverpool University, Department of
Geography, U.K.

- 1992-1993: On sabbatical leave at the Department of Social Medicine, Harvard Medical School, Boston, Massachusetts, U.S.A.
- 1984: Submitted my PhD thesis entitled: "Nuptial Determinants of Fertility in Western Kenya". (Unpublished PhD thesis) University of Nairobi, Library.
- 1978-1979: On study leave at Florida State University, Tallahassee, U.S.A.
- 1972-1974: Postgraduate education in the Department of Geography, University of Nairobi, Kenya.
- M.A thesis entitled: "Intercensal Population Change: A Comparative Study of Kano Location and the Sugar-belt, 1962-1973".
- 1968-1971: Undergraduate education in the Department of Geography, University of Nairobi, Kenya.
- B.A dissertation entitled: "Rural Periodic Markets in the Western Division of South Nyanza: A Study in Size and Periodicity".
- 1966-1967: High School education at Maseno High School, Nyanza Province, Kenya.
- 1962-1965: Secondary education at Bugema Missionary College, Uganda.
- 1959-1961: Upper Primary education at Bugema Missionary College, Uganda.
- 1954-1958: Lower Primary education at Gendia Mission Station, South Nyanza District, Kenya.

3. APPOINTMENTS AND PROMOTIONS

- 2005-to-date: Professor, Department of Geography & Environmental Studies, University of Nairobi.
- 2005- 2011: **Appointed Chairman, Department of Geography & Environmental Studies.**
- 1999: Visiting Research Fellow, Department of Social Medicine, Harvard Medical School, Boston, Massachusetts, U.S.A.
- 1998-2003: Re-appointment as the University of Nairobi Senate Representative to the Board of the Kenya National Examinations Council (KNEC), Republic of Kenya.
- 1997-1998: **Acting Dean, Faculty of Arts, University of Nairobi.**
- 1991-1997: **Associate Dean, Faculty of Arts, University of Nairobi.**

- 1996-to-2011 **Chairman, Inter-faculty Collaboration Programme on Health and Behaviour Studies, University of Nairobi, Kenya.**
- 1996-1998: Chairman, Population, Environment and Development Research Agency (PEDRA), an NGO concerned with environmental issues.
- 1994-2005: Associate Professor, Department of Geography, University of Nairobi, Kenya.
- 1992-1993: Visiting Research Fellow, Department of Social Medicine, Harvard Medical School, Boston, Massachusetts, U.S.A.
- 1988-1991: **Chairman, Department of Geography, University of Nairobi, Kenya.**
- 1987-1994: Senior Lecturer, Department of Geography, University of Nairobi, Kenya.
- 1977-1987: Lecturer, Department of Geography, University of Nairobi, Kenya.
- 1975-1977: Assistant Lecturer, Department of Geography, University of Nairobi, Kenya.
- 1974-1975: Tutorial Fellow, Department of Geography, University of Nairobi, Kenya.

4. **UNIVERSITY TEACHING EXPERIENCE AND SUPERVISION OF STUDENTS**

- a) Teaching Post-graduate Courses
- Conflicts in Resource use
 - Environmental Management, Review and Critique
 - Human Impact on the Natural Environment
 - Advanced Demographic Techniques
 - Advanced Population Geography Analysis
 - Population Policies
 - Migration and Urbanization
 - Fertility, mortality and migration
 - Population and sustainable development
 - Research Methods
- b) Teaching Undergraduate Courses
- Demography
 - Population Geography
 - Human Geography
 - Poverty, Food Security and Livelihood Systems
 - **Medical Geography**

Co-Supervision of PhD Students

2011-to-date: Ayiemba, E .H.O., and Collins Opiyo: Samulel Kipruto: “Physical Access to Health Services and Its Impacts on Household Welfare in Rural Kenya” **(In progress)**

2010- to-date: Ayiemba, E.H.O; Stanley Makindi, and Hussein A. Mahmoud: Yakub, M. Dahiye (Egerton University): “ Ecological and Social Consequences of Refugee Settlement in Daadab Division of North Eastern Kenya.”**(Currently on Fieldwork)**

Completed PhD Supervision

2009-2013; Ayiemba, E.H.O., Lawrence Ikamari and Murungaru Kimani: Joyce Kinaro: “Perceptions and Barriers to Contraceptive Use Among Adolescents: A Case Study of Nairobi.” **(Completed)**

2007-2011: Ayiemba, E.H.O and Richard , S. Odingo: Tom, O. Ouna: “Landscape Characteristics and Its Effects On the Frequency and Spatial Distribution of Severe Malaria Cases in Selected Areas of Western Kenya Highlands: A Geostatistical Analysis.” **(completed 2012)**

2008-2011: Ayiemba, E.H.O. and Alfred , O. Agwanda: Paul, Obino Ong’anyi: “Spatio-temporal Variations in Orphanhood: Analysis of the Effects of AIDS, and Traditional versus Modern Institutional Coping Mechanisms in Kisumu District, Kenya” **(Successfully defended and waiting for the award of the degree in December 2012)**

2005-2009: Ayiemba, E.H.O. and E.Irandu: **John K. Musingi-**“ **The Effects of Large-Scale Multi-purpose Dams on Community Health and Food Security: A Case Study of Masinga Dam, Kenya.**” **(Completed and Graduated in December, 2009)**

2004:-2006: Ayiemba, E.H.O and J.L. Ogallo: **Mrs Oluoko-Alice**

**Odingo –“Food Security and Poverty Among Small-Scale Farmers in Nyando District, Kenya”
Department of Geography and Environmental Studies, University of Nairobi (Graduated in 2006).**

2005-2008: Ayiemba, E.H.O and T. Oyari : **Mr. Mwaguni, Saeed Mutta –“ The Effects of Tourism on the Management Of Kenya’s Coastal Water Resources: A Case Study Of Nyali-Bamburi-Shanzu and Diani-Shale Areas”
Department of Geography and Environmental Studies (Graduated in December, 2009)**

2004: Ayiemba, E.H.O and M. Kirimi: **Mr. Japhan K. Omoke -“Population Ageing in Rural and Urban Kenya: A Case Study of Lamu, Turkana and Nairobi Districts”. Department Of Geography and Environmental Studies (Graduated in 2008)**

1993-1998: Ayiemba, E.H.O. and R.T. Ogonda : **Mr. Charles Omondi – Department of Geography, Maseno University . (completed his PhD in UK).**

1992-1997: Ayiemba, E.H.O. and J.O.Oucho: **Mrs. Margaret Kirimi – Department of Geography and Environmental Studies, University of Nairobi. (Gaduated in 1998)**

c) M.A students supervised Since 1980

2011: Abdullahi Mohamed Yassin: “ Impact of Refugees on the Environment: A Case Study of Daadab Refugee Camp, Garissa District”.
(Completed)

2010: Mr. Lembara S. Lucas-“The Impacts of Human on Drylands Environment: A Case study of Lorroki Plateau In Samburu District, Kenya”. (completed)

2008: Mr. Asetto Jack-“Sanitation systems and their effects on the Environment: The Case of Karen, Nairobi”.
(completed).

2008: Jane Wanjiru Kuria-Kinyoda: “Solid Waste management Practices and Health Implications of Household Waste Disposal to residents; A Case study of Kibera Slums, Kenya”

2007: Mr. Tito Kodiaga – “An Assessment of the status of Health Care Waste in Kenya: A Case Study of Nyanza Province” (Completed)

2006 Ms. Mutiti Frida Nyiva- “Waste Disposal Sanitation and

- Health: A Case Study of Kasarani, Nairobi.” (completed).
- 2005: Mr. Adipo P. Ouma _” Hospital Waste Management in Nairobi City” (completed).
- 2003: Mr. John Wafula - “Corporate Environmentalism and sustainability: Emerging Trends in Kenya” (completed)
- 2002: Mr. Mwaguni, S. Mutta – “Public Health Problems in Mombasa District: A Case Study of Sewage Management”. Department of Geography, University of Nairobi. (completed).
- 2002: Miriti Kaari M. Rosalid – “The Effect of Sex Composition on Contraceptive Use”. Population Studies and Research Institute (PSRI), University of Nairobi. (completed).
- 2002: Wangui, Joyce Kinaro – “Determinants of Fertility Among Adolescents and Youth 15-24 years in Kenya”. Population Studies and Research Institute (PSRI), University of Nairobi. (completed).
- 2002: Tsuma F. Tabitha – “Human Impact on Forest Resources: A Case Study of Mukogodo Forest, Laikipia District” – Department of Geography, University of Nairobi. (submitted for examination).
- 1997-1999: Oluoch, C. Akoth, “Environmental and Socio-economic Determinants of Adult Female Morbidity and Mortality in Homa-Bay District: A case study of Asego Division (completed successfully).
- 1997-1999: Mutisya, S., “Impact of Domestic Water Utilization on Morbidity and Mortality: A case study of Yatta Division, Machakos District, Kenya”. (in progress).
- 1996-1998: Edwin, M. Otieno, “Effect of Migration on Infant and Child Mortality: Evidence from 1993 KDH Data”, Population Studies and Research Institute, University of Nairobi. (completed successfully).
- 1995-1998: Jacqueline Muchiri, “The Impact of Population Growth and Density on Transport System: A case study of Nakuru District, Kenya”. Department of Geography, Egerton University, Kenya. (completed successfully).
- 1995-1998: Omoke, K. Japhan. “The Impact of Population Growth on Forest Resources: A case study of Laikipia District, Kenya”. Department of Geography, University of Nairobi, Kenya (completed successfully).
- 1994-1998: Florence K. Mogere, “Reproductive Mortality and its Significance to Health Planning in Kisii District”.

Department of Geography, University of Nairobi.
(completed successfully).

1994-1998: Segera, J.N., "The Impact of Population Growth on Provision of Educational Facilities in Nyamira District, Kenya", Department of Geography, University of Nairobi. (completed successfully).

1993-1994: Omari Ibrahim: "Determinants of Adolescent Fertility in Kisii District". Population Studies and Research Institute, University of Nairobi (completed successfully).

1990-1992: Mochama, D.: "Socio-Economic Determinants of Fertility: A case study of Gusii Community. Department of Geography, University of Nairobi (completed successfully).

" " : Juma, P.: "Determinants and Consequences of Adolescent Fertility: A case study of Kano Location, Kisumu District". Population Studies and Research Institute, University of Nairobi (completed successfully).

1991-1993: Eudias Mumbi Machera: "Influence of Women's Activities on the Infant and Childhood Mortality in Embu District". Population Studies and Research Institute, University of Nairobi (completed successfully)

1989-1990: Rimberia, M.M.: "Infant and Child Mortality in Meru District". Department of Geography, University of Nairobi (completed successfully).

" " : Kiranga, J.M: "Past and Present Migration Trends in Kenya: A case study of Mombasa District". Department of Geography, University of Nairobi (completed successfully).

1987-1989: Paul Omondi: "Regional Differentials in Marital Instability in Kenya. Department of Geography, University (completed successfully).

1984-1985: Mabel Nyarango: "Nuptiality Estimation for Kenya Using Census Data". Department of Geography, University of Nairobi (completed successfully).

1980-1981: Omondi-Odhiambo: "Migration and Fertility in a Rural Area in Kenya: The case of North Western Machakos District". Department of Geography, University of Nairobi (completed successfully).

d) Supervision of Undergraduate Dissertations

Since 1975, I have supervised over 20 undergraduate students who successfully completed writing their B.A dissertation on various topics in Demography, Population Geography and Medical Geography.

e) Oral Examination Boards Attended

Between 1991 and 1998, in my capacity as either the Associate Dean or Acting Dean, I chaired many PhDs and M.As oral defence for the Faculty of Arts, University of Nairobi.

Since 2000 to date, I have also attended many post-graduate oral defence (Ph.Ds/M.As/MSc) for the Faculty of Arts, Faculty of Science, Population Studies and Research Institute (PSRI) and the Institute of African Studies (IAS) in my capacity as an Internal Examiner or Board member.

5. APPOINTMENT AS EXTERNAL EXAMINER

- 2009 Appointed External Examiner for PhD thesis entitled: "The Impact of HIV/AIDS on Fertility in Kyela District, Tanzania" by Albina Andrew Chuwa, The Open University of Tanzania, Dar es Salaam, Tanzania.
- 2009 Appointed External Examiner for PhD thesis entitled: "Maternal Referrals to Specialized Care in Mtwara Tanzania: The Impact of a Modified Criteria on Compliance." By Rose N.M. Mpembeni, Muhimbili University of Health and Allied Sciences. Dar Es Salaam, Tanzania.
- 2008 Appointed external Examiner for PhD thesis entitled:" The Impact of HIV and AIDS on the Elderly People in Machete District, Tanzania." By Joyce Peters Chonjo, Demographic Training Unit, University of Dar Es salaam, Tanzania.
- 2008 Appointed External Examiner for PhD thesis entitled: "Antecedents of Adolescent Parenthood: A case Study of Bondo and Nairobi Districts in Kenya."
- 2007-2010: External Examiner, Department of Geography and the Department of Environment and Community Development, Kenyatta University.
- 2007 Appointed External Examiner for PhD Thesis entitled: "Environmental Determinants of Occurrence of Unstable Malaria in Kericho District of Kenya: An Investigation Through Statistical Modelling." By Warkach Kipkorir Tonui, School of Environmental Sciences, Kenyatta University.
- 2006-to date: External Examiner, Department of Geography, Egerton University and Laikipia University College.
- 2007 Appointed External Examiner for Mr. Peter Wekesa's M.A thesis entitled:" Factors Influencing Household Production of

Sorghum and Millet in Kiminini Location of Trans-Nzoia District, Kenya.” Department of Geography, Egerton, University.

“ “ Appointed External Examiner for Ms. Sarah Ayeri Ogalleh’s M.A. Thesis entitled:” Status of On-farm Tree Establishment and Factors Affecting Tree Planting: The Case Study of River Njoro Watershed, Nakuru District, Kenya.” Egerton University.

2006: Appointed as External Examiner for PhD thesis – Faculty of Arts and Social Sciences, University of Dar es Salaam, Tanzania.

2004 Re-appointed External Examiner, Department of Behavioural Sciences, Institute of Public Health, Muhimbili University College of Health Sciences, University of Dar Es Salaam, Tanzania

2003: External Examiner, Demographic Unit, Dar Es Salaam University, Tanzania.

2003: Re-appointed as External Examiner, Department of Geography, Maseno University.

2003: Re-appointed External Examiner, Department of Geography, Egerton University.

1998-2001: Appointed External Examiner to the Department of Geography, Maseno University College, Private Bag, Maseno, Kenya.

1998-2001: Re-appointed as External Examiner to the Department of Geography, Dar-Es-Salaam University, Tanzania.

1997-2000: External Examiner, Department of Behavioural Sciences, Institute of Public Health, Muhimbili University College of Health Sciences, Dar-Es-Salaam, Tanzania.

1997-2000: Re-appointed as External Examiner to the Department of Geography, Egerton University, Kenya.

1991-1994: External Examiner, Department of Geography, Egerton University, Kenya.

1990-1993: External Examiner, Department of Geography, University of Dar-Es-Salaam, Tanzania.

1989: External Examiner, Department of Geography, Kenyatta University, Kenya.

6. RESEARCH GRANTS AWARDED

2012: United Nations Fund for Population Activities (UNFPA) for

Research report on Kenya population Situation Analysis;
Marriage and Family Patterns, with Emphasis on Early Marriage.

- 2011 Republic of Kenya Consultancy to write Fertility and Nuptiality Monograph. Kenya National Bureau of Statistics, Government of Kenya, 2011.
- 2007; Republic of Kenya Research Grant for work on The Impact Of Climate Change on Human Settlements in Kenya.
- 2006: Joint Research Grant with Professor Urs. Wiesmann to Work on the impact of formal and Non-formal Institutions On OVCS in Kisumu District, Kenya.
- 2005: Macro International Inc. USA ; for further analysis of 2003 KDHS Socio-economic correlates of fertility and contraceptive use in Kenya.
- 2004: Essap Research Grant for a joint project with department of Geography, University of Dar Es Salaam, Tanzania. For the study of central places around Mt. Kenya and Mt. Kilimanjaro.
- 2003; APAC Research Grant for Documentation of Agencies involved in HIV/AIDS activities in Nairobi. Kenya.
- 1999: ILO/EAMAT, Addis Ababa Regional Office Research Grant for the Report on Kenya Country Action Programmes.
- 1999: The Carnegie Corporation of New York Research Grant awarded with others as Visiting Research Fellow, Harvard University, U.S.A.
- 1998: The Deans Committee Research Grant (University of Nairobi) to study Adolescent Sexual Behaviour in selected parts of Kenya).
- 1996: Organisation of African Unity (OAU) Research Grant for the study of Consequences of Rapid Population Growth in Africa: Empirical Analysis and Development Policy Implications for Kenya.
- 1995: UNFPA Kenya Regional Office Research Grant for preparing the Kenya Government Document on Population and Development: A South-south Initiative Project.

- 1993: The Carnegie Corporation of New York Research Grant awarded with others to establish Inter-faculty collaboration programmes on Social Science and Medicine. University of Nairobi, Kenya.
- 1991: ILO Research Grant for research on Integrating Population Variables into Development Planning.
- 1990: The World Bank Research Grant awarded with others to carry out research on Population Policy Initiative Programme for Sub-Saharan Africa.

- 1987: World Health Organisation (WHO) Research Grant awarded jointly with Professor John O. Oucho to carry out research on Contraceptives Use Dynamics in Kenya.
- 1986: Ford Foundation Research Grant awarded jointly with Professor Ottieno-Makoteku to study the Fertility of Youth in Kenya.
- 1975: The Dean's Committee Research Grant (University of Nairobi) for my Ph.D. thesis.

7. OTHER AWARDS

- 1999: Republic Of Kenya award for the Analysis of 1999 Kenya Population Census and Housing data.
- 1992: The Carnegie Fellowship Award as Visiting Research Fellow, Harvard University, U.S.A.
- 1978: U.S.A.I.D. scholarship award for postgraduate training at Florida State University, U.S.A.
- 1972: University of Nairobi scholarship award for the M.A programme in the Department of Geography, University of Nairobi, Kenya.
- 1968: Government of Kenya scholarship award for Undergraduate University Education.

PUBLICATIONS

8. BOOKS/BIBLIOGRAPHIES

- Ayiemba, E.H.O., Michael, M. Musyoka and Annett Aduda (**2012**): Kenya Population and Housing Census: Analytical Report Volume V. Fertility and Nuptiality. Kenya National Bureau of Statistics, **(In press for publication)**
- Ayiemba, E.H.O. 2004: SGP; 2005. Introduction to Population Geography B.Ed. Science Programme Lecture Series. Faculty of Science , University of Nairobi. Published by the University Of Nairobi.**
- Ayiemba, E.H.O. 2003: SGP 102. Introduction to Human Geography B. Ed. Science Programme Lecture series. Faculty of Science, University of Nairobi. Published by the University Of Nairobi.**
- Ayiemba, E.H.O., Collins O. Opiyo and Mary, K. Muyonga (2002): Kenya Population and Housing Census: Analytical Report; Volume IV, Fertility

and Nuptiality. Central Bureau of Statistics, Ministry of Finance and Planning, Nairobi.

UAPS/Ayiemba, E.H.O. (2002): African Population Annotated Bibliography for East Africa. Vol.1. Kenya. Union for African Population Studies UAPS Studies and Research Special Issue. Dakar, Senegal.

UAPS/Ayiemba, E.H.O. (2002): African Annotated Bibliography for East Africa. Vol.2. Djibouti, Ethiopia, Somalia, Uganda. UAPS Studies and Research Special Issue, Dakar, Senegal.

Oucho, J.O., A.B.C. Ocholla-Ayayo., Elias, H.O. Ayiemba, and J. Odhiambo., (2000): Population and Development in Kenya: Essays in Honour of S.H. Ominde. Published and printed by School of Journalism Press, University of Nairobi.

Ayiemba, E.H.O., P.Jumi, 1994: A Compendium of Demographic and Socio-economic Data Base for Development Planning in Kenya published by UNFPA/GOK/ILO. Ministry of Manpower Development and Employment, Nairobi.

Ayiemba, E.H.O.; P. Jumi and On'gol Odidi, 1993: An Inventory and Appraisal of Demographic and Socio-Economic Data Base for Development Planning in Kenya. Published by UNFPA/GOK/ILO; Ministry of Manpower Development and Employment, Nairobi.

Ayiemba, E.H.O. (ed) 1991: Kenyan Marriages in Transition: A Research Agenda: Published by Initiatives Ltd., Nairobi.

Khroda, G.; Ayiemba, E.H.O.; Kapule, D.E., 1991: Geography Techniques II, GEG 201 Lecture Series. Published by the College of Education and External Studies and Nairobi University Press, Nairobi.

Ayiemba, E.H.O. 1988: Human Geography II, (GEG 204). Published by the Nairobi University Press.

Ayiemba, E.H.O. 1987: Introduction to Human Geography I (GEG 102). Published by the University of Nairobi, College of Adult and Distance Education, Nairobi.

Were, G.S.; Kipkorir, B. and Ayiemba, E.H.O. 1983: The District Socio-cultural Profiles Report: South Nyanza district. Published by the Ministry of Finance and Planning and the Institute of African Studies, University of Nairobi, Kenya.

9. BOOK CHAPTERS

Businge, M.S., Immaculate Maina., Elias Ayiemba., et al (2010): Chapter 2 Entitled: Socio-economic Status, Poverty, Gender and Environment: Supporting the Delivery of Vision 2030. A publication of the National Environment Authority

(NEMA), Progress Press, Ltd, Malta.

Ayiemba, E.H.O. (2011): Chapter 11 entitled: "Problems and Opportunities of Displacement for policy Action: lessons from the 2007 Post-Election Violence and Refugee Camps in Kenya" In Migration in the Service of African development: Essays in Honour of Professor Aderanti Adepaju. John, O. Oucho (ed). Safari Books Ltd, Ibadan.

Ayiemba, E.H.O. (2002): Chapter 3 entitled: "Katoloni Street Children Rehabilitation School: A Case Study of an Integrated Model for Community Development" In Poverty, AIDS and Street Children in East Africa. Lugalla, J.L.P. and Kibassa, C.G. (eds). The Edwin Mellon Press, New York, U.S.A pp69-86.

Ayiemba, E.H.O.: (2000): "Effective Family Planning Programmes for Africa: Lessons from Kenya's Experience" in Population and Development in Kenya. J.O. Oucho., et al Eds. Published and printed by School of Journalism Press, University of Nairobi.

Ayiemba, E.H.O. (2000): Chapter 8 entitled: "Nuptial Determinants of Fertility: A Case Study of Western Kenya" in Issues in Resource Management and Development in Kenya: Essays in Memory of S.H. Ominde. R.A. Obudho and J.B. Ojwan'g, Eds. East African Educational Publishers, Nairobi.

Ayiemba, E.H.O. (1999): Chapter 8: "Strengthening the Labour Market Information System" in Kenya. In Meeting the Employment Challenges of the 21st Century. ILO/EAMAT. Addis Ababa, Ethiopia.

Ayiemba, E.H.O, et al. 1989: Chapter 4, entitled, "Natural Resources" in Kenya: An Official Handbook. Published by the Ministry of Information and Broadcasting, Nairobi.

Ayiemba, E.H.O. 1988: Chapter 6, entitled "The Kenyan Family and Attitudes Towards Family Formation" in Kenya's Population Growth and Development to the Year 2000 A.D. Published by Heinemann Education Books Ltd., Nairobi.

10. Book Review

Ayiemba, E.H.O., 1996: "Population Dynamics: Some Past and Emerging Issues" (eds) R.A. Powell, E.A. Mwangemi and A. Ankomah, published by Institute of Population Studies, University of Exeter, U.K in African Journal of Fertility, Sexuality and Reproductive Health, Vol.I No.2, December 1996.

Ayiemba, E.H.O., 1988: "The District Focus Policy for Rural Development in Kenya: An Empirical Application of Bottom-Up Concept by Obudho, R.A. et al

1987". Reviewed in Regional Development Dialogue: Special Issue, 1988. United Nations for Regional Development, Nagoya, Japan.

Ayiemba, E.H.O. 1987:"Population Growth and Policies in Sub-Saharan Africa: A World Bank Policy Study". Washington, D.C. 1986. Reviewed in May 1987, pp.165-167. African Urban Quarterly, 1987.

Ayiemba, E.H.O, 1986: "The District Focus: Conceptual and Management Problems". By Makokha, Joseph. African Press Research Bureau, Nairobi, 1985. Reviewed in African Urban Quarterly, Vol.2 No.1, February 1987.

Ayiemba, E.H.O. 1976:" Population Growth and Socio-Economic Change in West Africa". Edited by Caldwell, J.C. et al. Heinemann London. Reviewed in Jimlar Mutane: A Journal of Population Studies in Africa. General Printers Ltd., Nairobi, Kenya.

11. REFEREED JOURNALS

Saeed Mwanguni and Elias Ayiemba 2013: "Urbanization and Groundwater Pollution in Mombasa, Kenya: Do We have to Transfer the Problem due to Construction of the Dongo-Kundu By- Pass" **In Journal Of Environment and earth Science.. Vol 3, No.4, 2013.**

Kioko, J.B Musingi and Elias H.O.Ayiemba 2012: " Effects of Technological Development on Rural Livelihoods in Developing World: A Case Study of Effects of A Large-Scale Multipurpose Dam on Malaria Prevalence in A Rural Community Around Kenya's Largest Dam. **European Scientific Journal, June edition, Vol8 No. 14,** pp132-148.

Alice Oluoko-Odingo and Elias, H.O.Ayiemba: 2011: " Vulnerability to Food Insecurity in Nyando District of Kenya". In Hekima: Journal of the Humanities and Social Sciences, Vol V, No. 1, 2011.pp 34-46.

Charles Omondi and Elias .H.O. Ayiemba: 2005: "Migration Process in Kenya: An Answer to some Questions." **In Maseno journal of Education, Arts and Science. Vol. 5 No. 1** Maseno University. January 2005 pp 61-76.

Ayiemba, E. H.O., 2003: " Fertility and Development Issues in Africa: A Critical Review." In HEKIMA: Journal of the Humanities and Social Sciences. Vol. 2 No. 1 2003.

Charles Omondi and Elias, H.O. Ayiemba: 2003: "Contraceptives Use Dynamics Among Migrant Women in Kenya". **African Population Studies, Vol.18, No. 2,** October 2003.

Charles Omondi and Elias, H.O. Ayiemba., 2003: " Migration and fertility Relationship: A Case Study of Kenya." In **African Population Studies, Vol. 18, No. 1. April 2003.**

- Ayiemba, E.H.O., et al., (2001): "Kenya Maternal Mortality Baseline Survey: A Summary Report of the Main Findings". In **Occasional Papers, Vol.1**. Population Studies and Research Institute, University of Nairobi: pp43-54.
- Ayiemba, E.H.O., (2001): "The Effects of Health Education Programme on Adolescents Sexual Behaviour: A Case Study of Nairobi City Adolescents". In **African Population Studies, Vol.16, No.1**, June 2001, pp87-93.
- Ayiemba, E.H.O., et al., (2001): "Technology Based Business Development Services in Kenya". In **Occasional Paper Number 67**. Institute of Development Studies (IDS), University of Nairobi.
- Ayiemba, E.H.O. and J. K. Omoke, (2000): "Population Settlement and Forest Cover Dynamics in West Laikipia, Kenya" in **Journal of the Geographical Association of Tanzania, No.28**, July 2000, pp13-34.
- Ayiemba, E.H.O. and F. Mogere (1999): "Reproductive Mortality and its Significance to Health Planning in Kisii District, Kenya" in **MILA (NS) Vol.4**, 1999 pp9-26.
- Ayiemba, E.H.O., et al., (1999): "Information Based Business Development Services in Kenya". In **Occasional Paper Number 66**. IDS, University of Nairobi.
- Ayiemba, E.H.O. (1999): "Conflicts in Pastoral Development Programmes in Nomadic Communities of Kenya" in **Kenya Journal of Sciences Series C: Humanities and Social Sciences. The Kenya National Academy of Sciences Vol 5, No1, 1999** Nairobi pp1-19.
- Kibwage, Isaac O.; Ayiemba, E.H.O.; and Ondari, C.O. (1998): "Drug Utilization and Cost Patterns in Selected Health Care Facilities in Kenya" in the **East and Central African Journal of Pharmaceutical Sciences. Vol.1. No.1** January, 1998 pp11-14.
- Ayiemba, E.H.O., and J.O. Oucho (1995): "The Refugee Crisis in Sub-Saharan Africa: What are the Solutions?" in **African Population Paper No.4**. Published by the African Population and Environment Institute and JAICA, Nairobi, pp1-31.
- Oucho, J.O., P. Akwara and Elias, H.O. Ayiemba, (1995): "African Population and Development Agenda from Bucharest to Cairo and Beyond in **African Population Paper No.5**. Published by the African Population and Environment Institute and JAICA, Nairobi.
- *****
- Ayiemba, E.H.O. (1994): Use of Illustrative Materials in Population Research in **Occasional Publication Series, Vol.3**. Population Studies and Research Institute, University of Nairobi (forthcoming).
- Ayiemba, E.H.O. (1993): "Environmental Constraints to Development Efforts in Semi-Arid Regions of Kenya". In **African Urban Quarterly Vol.8, Nos.3, 4** August-November, 1993 (forthcoming).

- Ayiemba, E.H.O., (1992): "Fertility Measures". In **Occasional Publication Series, Vol.1**, pp.98-115. Population Studies and Research Institute, University of Nairobi, Kenya.
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15. CONSULTANCY REPORTS

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- Ayiemba, E.H.O. (1988): "Family Planning Private Sector Focus Group Interviews: Preliminary Report on Selected Companies in Kenya". **A report for the FPPS Nairobi Office.** Co-authored with Oucho, J.O. of Population Studies and Research Institute, University of Nairobi, Kenya, pp.1-10.
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16. UNPUBLISHED CONFERENCE/ WORKSHOP/ SEMINAR PAPERS

- Ayiemba, E.H.O and I. Nyandega (2008): "The impact of Climate Change on Human Settlements in Kenya: An Analysis of Vulnerability and Adaptation Strategies". Paper presented at the International Centre For Research and Development Conference 2-4th July, 2008, Bern Switzerland.
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- Ayiemba, E.H.O. (1990): "A Summary of Kenya Pilot Exercise Recommendations on Population Policy Initiative Programme". A study presented at The World Bank Workshop on Population Policy Programme for Sub-Saharan Africa, held at Accra, Ghana 28-30 November 1990.
- Ayiemba, E.H.O. (1990): "Regional Differentials in Marriage Types and Patterns in Kenya". A paper co-authored with Mabel Nyarango, presented at the seminar on Marriage in Kenya organised by the Population Studies and Research Institute, University of Nairobi.
- Ayiemba, E.H.O. (1988): "Regional Variations of Nuptiality in Kenya", African Population Conference in Dakar, Senegal 7-12 November 1988.
- Ayiemba, E.H.O. (1988): "Population and Human Carrying Capacity of Land". Special Lecture Series Delivered to Postgraduate Students, Department of Agricultural Engineering, Abate Campus, University of Nairobi from 25-30 April 1988 | Nairobi, Kenya.
- Ayiemba, E.H.O. (1987): "The Implications of a Rapidly Growing Population on Social Security System in Kenya". Paper presented at the Zonal Labour, Population, Family Welfare Education for Workers, Management

Seminar, at Nakuru Waterbuck Hotel from 14-18 December 1987, in Nakuru, Kenya.

- Ayiemba, E.H.O. (1987): “Integrating Population Variables into Agricultural Planning for the Year 2000 and Beyond: A case study of Kenya”. Paper presented at the Kenya Economic Associations Workshop on Kenya’s Industrial and Agricultural Strategies Towards the Year 2000. At the Kenya International Conference Centre, from 20-25 September 1987 in Nairobi, Kenya.
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- Ayiemba, E.H.O. (1983): “Demographic Levels and Patterns: A Comparative study between Districts in the Dry Lands and Lake-shore Districts”. Paper presented at the District Socio-Cultural Profiles Project National Seminar from 13-17 July, 1983 at Sirikwa Hotel, Eldoret, Kenya.
- Ayiemba, E.H.O. (1982): “The Population Factor in Rural Development in East Africa”. Paper for the seminar on Life and Culture and Rural Development, Methods and Techniques of Field Study, from 12-24 October 1982, at Mfangano Building, University of Nairobi.
- Ayiemba, E.H.O. (1982): “Population Growth in East Africa”. Paper for seminar organised by students on College Semester Abroad, Methods and Techniques of Field Study, on 29 September 1982 at Mfangano Building, University of Nairobi, Kenya.

- Ayiemba, E.H.O. (1981): "Wind as an Alternative Source of Power in Kenya". A joint Research paper with Mr. D. Mungai, Doc. Number NSIRD/RES/6/01. Industrial Sciences Advisory Research Committee ISARC National Symposium on Industrial Research and Development from 7-11 December 1981 at the Kenya Institute of Administration, Kabete, Nairobi, Kenya.
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- Ayiemba, E.H.O. (1981): "Stable Population Estimates of Basic Demographic Parameters for Western Kenya: An Analysis of the 1969 Census Data". Paper presented at the Department of Geography Staff Seminar, on 8th July 1981, University of Nairobi, Kenya.
- Ayiemba, E.H.O. (1981): "Population Distribution and Density of Busia District". Seminar paper for the Department of Geography, Postgraduate Students Group, University of Nairobi, Kenya.
- Ayiemba, E.H.O. (1979): "Stable Population Estimates of Basic Demographic Parameters from Incomplete Data for Kenya". Paper presented at Florida State University, Graduate Students Seminar, Tallahassee, Florida, U.S.A.
- Ayiemba, E.H.O. (1974): "Environmental Perception and Problems of Regional Development: A case study of Kano Plains and the Sugar-Belt". Paper presented at the workshop on Environment and Rural Development in East Africa, Kenya, from 11-30 November 1974. Organised by UNESCO in Nairobi, Kenya.

17. EXPERIENCE IN ADMINISTRATION

2005-to-date Chairman, Department of Geography and Environmental Studies.

1996-to-date: Chairman, Inter-faculty Collaboration Programme on Health and Behaviour Studies, University of Nairobi, Kenya.

1997-1998: Acting Dean, Faculty of Arts, University of Nairobi.

1992-1997: Associate Dean, Faculty of Arts, University of Nairobi, Kenya.

1987-1991: Chairman, Department of Geography, University of Nairobi, Kenya.

1990-1998: Chairman, Kenya Task Force on African Population Agenda. A Project of the African Population Advisory Council (APAC), Washington, D.C., U.S.A.

1994-to-date: East African Representative of the Union for African Population Studies (UAPS) with headquarters in Dakar, Senegal.

18. EXTRA-CURRICULAR ACTIVITIES/NATIONAL CONTRIBUTION

- 1988: Member of Post-Census Enumeration Planning Committee, Republic of Kenya.
- 1986-1998: Member of the Steering Committee for the 1989 National Census, Republic of Kenya.
- 1983-1992: Chairman, Parents Teachers Association (PTA) for GodOloo Primary School, Gwasi Location, South Nyanza District, Kenya.
- 1983-1990: Chief Instructor, Kenya National Examinations Council, Republic of Kenya.
- 1980-1983: Chief Examiner, Kenya National Examinations Council, Republic of Kenya.
- 1980-1982: Acting Chairman, The Geographical Society of Kenya.
- 1967-1968: Headmaster, Godbura Secondary School, Gwassi Location, South Nyanza District in Kenya.
- 1966-1967: Assistant House Prefect, Maseno National School, Nyanza Province, Kenya.
- 1963-1965: Librarian, Bugema Missionary College, Uganda.

19. PROFESSIONAL MEMBERSHIP

- 1990: - Interim Chairman, Kenya Association of Geographers (KAG)
- International Geosphere-Biosphere Programme (IGBP) Committee
- Vice-Chairman, Kenya National Hydrology Committee
- 1988: Union for African Population Studies (UAPS)
- 1987: International Union for Scientific Study of Population (IUSSP)
- 1975: The Geographical Society of Kenya

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