

# CURRICULUM VITAE

## Personal Data:

1. **Family name:** OGINDO
2. **First names:** Harun Okello
3. **Nationality:** Kenyan

## 4. Education:

Institution[Date from – Date to]	Degree(s) or Diploma(s) or Certificates obtained:
Chemelil Primary School (-to 1971)	Certificate of Primary Education
Nyabondo High School (1972-1976)	East African Certificate of Education
Maseno National High School (1977-1978)	East African Certificate of Advanced Education
University of Nairobi (Kenya) (1979-1983)	B.Sc (Agriculture)
Cranfield (UK) (1989-1990)	M.Sc (Land & Water Management)
University of the Free State (RSA) (2000-2003)	PhD (Agrometeorology)

## 5. Language skills

Language	Reading	Speaking	Writing
Dholuo (Vernacular)	Excellent	Excellent	Excellent
Kiswahili (National Language)	Excellent	Excellent	Excellent
English (Official Language)	Excellent	Excellent	Excellent

## 6. Other skills:

Computer literate in word processing and analytical softwares including GIS, professional software (CropWat, Instat plus, AquaCrop, APSIM etc)

## 7. Grants and Awards:

**Dec 7-18, 2009** International Institute for Economic Development (IIED), the United Kingdom: award to attend Climate Change Conference in Copenhagen, Denmark

**June 22-24, 2009** Global Environmental Change and Human Security (GECHS), University of Oslo, Norway: Award to attend conference and present research findings on Climate Change Adaptation in Northern Kenya (Turkana and Mandera Districts).

**Jan 2008- Jan 2010** International Development Research Centre (Canada)/Climate Change Adaptation in Africa programme (IDRC/CCAA) Research Funds Award for project “*Enhancing Adaptive Capacity of Pastoralists to Climate Change Induced Vulnerability in Northern Kenya*”. Project Grant No. 104752.

**Jan. 2002 - 2005:** Water Research Fund for Southern Africa. Research funds award for project on Water Use for Intercropping Systems within the Semi-arid area of Southern Africa while based at the University of the Free State, Republic of South Africa

**Jun-Sep., 1995:** Belgian Development Co-operation Funding for training on Computer Applications in Water Resources Engineering..

**Sep. 1989:** European Union Funding for MSc training in the UK.

**Aug-Sep 1986:** Netherlands Development Co-operation Funding for training on Rural Extension Methods.

**8. Present position:**

Associate Professor (4 years) and Head of Department for Applied Plant Sciences (3 years).

**9. Specific short term training:**

Country	Date from – Date to
Katholieke University, Belgium	<i>Certificate course in Computer Applications in Water Resources Engineering Irrigation and Drainage software applications (Katholieke University, Belgium).</i>
Wageningen, the Netherlands).	Certificate Course in Rural Extension (Wageningen, the Netherlands).
Nairobi, Kenya	Modelling Application in Climate Change (PRECIS Regional Climate Model) – IGAD Climate Prediction & Application Centre (ICPAC), Dagoretti, Kenya

**10. Professional experience/research experience/consultancies:**

Date from – Date to	Location	Company	Position	Description
1983-1989	<b>Kisumu/Nyanza Province</b>	Ministry of Agriculture, Irrigation & Drainage Branch	Agronomist/Programme coordinator	Coordination of irrigation projects implementation in Nyanza Province (EU funded programme). Lead agronomist and counterpart to project team leader. Achieved Mugo, Awach Kano, South West Kano, Kore and Wasare Irrigation projects
1991-1995	<b>Kisumu/Nyanza Province</b>	Ministry of Agriculture, Irrigation & Drainage Branch	Irrigation Agronomist, Nyanza Province	In charge of agronomic and extension planning and implementation activities in all irrigation projects in the province.
1996-2000	Maseno University	Maseno University	Lecturer	In charge of teaching, research and consultancy
2000-2005	Free State, Republic of South Africa	University of the Free State	PhD Candidate, Researcher	Worked as a research fellow and PhD student in the Department of Soil, Crop and Climate at the University of the Free State
2005-2014	Maseno University	Maseno University	Senior Lecturer	In charge of teaching, research and consultancy
2014-2018	Maseno University	Maseno University	Associate Professor	Head of Department, researcher and consultant in Agronomy and climate related areas

## 11. Research Interest

- Land and water management under limited resource water resource availability
- Soil-plant water relations
- Microclimatological effects on resource use and yield formation in crops
- Resource use (Radiation and Water) by multiple cropping systems
- Climate risk assessment for agricultural systems and modelling in crops
- Climate change induced vulnerability and adaptation to climate change.
- Climate analysis for resource management planning in Agriculture
- Food systems analysis and food security studies in urban and rural settings

## 12. Publications (Articles, Book Chapters) (peer reviewed)

- a) **GEORGE GODWIN WAGAH, NELSON OBANGE & HARUN OKELLO OGINDO, 2018.** Food Poverty in Kisumu, Kenya, Kenya. In: Jane Battersby and Vanessa Watson; Urban Food Systems Governance and Poverty in African Cities, pp. 223. Routledge Studies in Food, Society and Environment, 2 Park Square, Milton Park, Abingdon, Oxon OX14 4RN.
- b) **PAUL OTIENO OPIYO & HARUN OKELLO OGINDO, 2018.** The characteristics of urban food system in Kisumu, Kenya. In: Jane Battersby and Vanessa Watson; Urban Food Systems Governance and Poverty in African Cities, pp. 182. Routledge Studies in Food, Society and Environment, 2 Park Square, Milton Park, Abingdon, Oxon OX14 4RN.
- c) **JOYCE A. OBUOYO, CHARLES O. OCHOLA & HARUN OGINDO. 2016.** Livestock for Household Food Security- A Case Study of Small Scale Mixed Farmers in Semi-Arid Nyakach, Kenya. International Journal of Livestock Research. Vol. 6 (1): 57-67. DOI 10.5455/ijlr.20151129022328
- d) **GEORGE O. K'OTUTO, DENNIS. O. OTIENO, JOHN C. ONYANGO & HARUN O. OGINDO. 2014,** Seasonal dynamics in carbon dioxide fluxes of the herbaceous layer of a moist Kenyan Savanna. Applied Ecology and Environmental Research, 12(1):63-82.
- e) **G.O.K'OTUTO, D.O. OTIENO, B. SEO, H.O. OGINDO & J.C. ONYANGO. 2013,** Carbon dioxide exchange and biomass productivity of the herbaceous layer of a managed tropical humid savanna ecosystem in western Kenya. Journal of Ecology vol.6, No.4: 286-297.
- f) **HUHO, J.M., NGAIRA, J. K. W & OGINDO, H. O. 2011,** Living with drought: The case of the Maasai pastoralists of northern Kenya. *Education Research Journal*, Vol 2(1), pp. 779-789.
- g) **HUHO, J.M., NGAIRA, J. K. W & OGINDO, H. O. 2010,** Drought severity and their effects on rural livelihoods in Laikipia district, Kenya. *Journal of Geography and Regional Planning* Vol. 3(3), pp. 035-043
- h) **HUHO, J., NGAIRA, J.K.W. & OGINDO, H.O., 2009.** Climate Change and Pastoral Economy in Kenya: A Blinking Future. *Acta Geologica Sinica (English Edition)*, Vol. **83**: 1017-1083.
- i) **TSUBO, M., OGINDO, H.O, DINGAAN, 2009.** Determination of daily radiation interception in semi-arid intercropping system. *Discovery and Innovation* Vol **21**:94-103
- j) **OGINDO, H.O. & WALKER, S., 2005.** Comparison of measured changes in seasonal soil water content by rain-fed maize-bean intercrop and component cropping systems in a semi-arid region of southern Africa. *Physics and Chemistry of the Earth* **30**: 799-808.
- k) **TSUBO, M., WALKER, S. & OGINDO, H.O., 2005.** A simulation model of cereal legume intercropping systems for semi-arid regions I. Model development. *Field Crop Research* **93**:10-22.

- l) **TSUBO, M., WALKER, S. & OGINDO, H.O., 2005.** A simulation model of cereal legume intercropping systems for semi-arid regions II. Model application. *Field Crop Research* 93: 23-33.
- m) **TSUBO, M., OGINDO, H O. & WALKER, S., 2004.** Yield evaluation of maize-bean intercropping in semi-arid region of South Africa. *African Crop Science Journal* 12: 351-358.
- n) **OGINDO, H.O & WALKER, S., 2004.** The Determination of Transpiration Efficiency Coefficient for Common Bean. *Physics and Chemistry of the Earth* 29: 1083-1089.
- o) **OGINDO, H.O. & WALKER, S., 2003.** The estimation of soil water extraction by maize-bean intercrop and its sole crop components in a semi-arid region. *African Crop Science Journal* 6: 430-435.
- p) **TSUBO, M., MUKHALA, E., OGINDO, H O. & WALKER,S., 2003.** Productivity of maize-bean intercropping in a semi-arid region of South Africa. *Water SA* 29, 381-388. 2003.
- q) **WALKER, S & OGINDO, H.O., 2003.** The water budget of rain fed maize and bean intercrop. *Physics and Chemistry of the Earth* 28: 919-926.
- r) **OGINDO, H.O & WALKER, S, 2003.** Quantification and evaluation of a maize and bean intercrop water use within a semi-arid region of Southern Africa. WATER CONSERVATION TECHNOLOGIES FOR SUSTAINABLE DRYLAND AGRICULTURE IN SUB-SAHARAN AFRICA SYMPOSIUM, pg 118-126. (ISBN 1-86849-275-3)
- s) **OGINDO, H.O., 2003.** Comparing the Precipitation Use Efficiency of maize-bean intercropping with sole cropping in a semi-arid ecotope, PhD. Thesis. University of the Free State, Bloemfontein, South Africa.

### 13. Conferences, conference papers/posters

- a. **OBANDO, J, H. OGINDO. W. OTIENO, A MACHARIA, J. ENSOR, W. TUMUISING, E. KISIANGANI, L. MUCHIRI AND N. AMOLLO,** 2011 *Ecological Factors Contributing to Vulnerability of Pastoralist Communities to Climate Change in Northern Kenya pp75-90*, in Oguge, N.O., E. Omolo, and C. Lumosi, eds. 2011. Climate Change and Natural Resource use in Eastern Africa: Impacts, Adaptation and Mitigation. Proceedings of the 3rd Scientific Conference of the Ecological Society for Eastern Africa. Ecological Society for Eastern Africa, Regal Press, Nairobi, Kenya, 421 pp.
- b. **OBANDO, J., H. OGINDO. W. OTIENO, A., MACHARIA, J., ENSOR, W., TUMUISING, E., KISIANGANI, L., MUCHIRI & N. AMOLLO,** 2011 “Developing climate change scenarios for Turkana and Mandera districts of Northern Kenya”, Lake and Catchment Research Symposium, Kenyatta University Conference Centre, Nairobi, Kenya, March 14-18, 2011
- c. **OBANDO, J., H. OGINDO. W. OTIENO, A MACHARIA, J. ENSOR, W.TUMUISING, E. KISIANGANI, L. MUCHIRI & N. AMOLLO,** 2010 “Reducing vulnerability of Pastoralists communities to climate change and variability in Northern Kenya”, International Conference: Climate, Sustainability and Development in Semi Arid Regions, ICID, August 16th -20th, Fortaleza, State of Ceara, Brazil.
- d. **OBANDO, J., H. OGINDO. W. OTIENO, A MACHARIA, J. ENSOR, W.TUMUISING, E. KISIANGANI, L. MUCHIRI & N. AMOLLO,** 2010 “Reducing vulnerability of Pastoralists communities to climate change and variability in Northern Kenya”, International Conference: Climate, Sustainability and Development in Semi Arid Regions, Pre conference Event, 9th – 10th June 2010, Nairobi, Kenya

- e. **OBANDO, J, H. OGINDO. W. OTIENO, A MACHARIA, J. ENSOR, W.TUMUISING, E. KISIANGANI, L. MUCHIRI & N. AMOLLO**, 2010 “Ecological factors contributing to vulnerability of pastoralist communities to climate change in Northern Kenya”, *Paper presented at the Ecological Society of East Africa*, 19th –21st May 2010, MultiMedia University, Nairobi Kenya
- f. **OGINDO HARUN, OTIENO WELLINGTON, OBANDO JOY, OLUKOYE GODFREY, MACHARIA AYUB, ENSOR JONATHAN, AKINYI NANCY, KISIANGANI ERIC & MUCHIRI LYDIA**, 2009. *Climate Change Drives Harun Ogindo CV, April 2012 Page 8*
- g. Pastoralists from pastures to deeper poverty. Presentation Soros group sponsored by IIED at the Copenhagen Climate Conference from 8th – 16th December 2009.
- h. **OGINDO HARUN, OTIENO WELLINGTON, OBANDO JOY, OLUKOYE GODFREY, MACHARIA AYUB, ENSOR JONATHAN, AKINYI NANCY, KISIANGANI ERIC & MUCHIRI LYDIA**, 2009. An assessment of drought induced vulnerability of the Turkana pastoralist community livelihoods in northern Kenya and its ability to cope with climate change. WaterNet Conference Theme: Water, Land and Society: Sustainability, Climate Change and Livelihoods. 10<sup>th</sup> WaterNet/WARFSA/GWP SYMPOSIUM Held on 28th-30th October, Entebbe, Uganda.
- i. **OGINDO HARUN, OTIENO WELLINGTON, OBANDO JOY, OLUKOYE GODFREY, MACHARIA AYUB, ENSOR JONATHAN, AKINYI NANCY, KISIANGANI ERIC & MUCHIRI LYDIA**, 2009. Are current livelihoods and coping strategies in northern Kenya viable and sustainable in light of Global Environmental Change? Human Security in an Synthesis Conference, June 22-24, 2009, University of Oslo, Norway.
- j. **MACHARIA AYUB, OTIENO WELLINGTON, OGINDO HARUN, OBANDO JOY, OLUKOYE GODFREY, ENSOR JONATHAN, TUMISING WILLIE, AKINYI NANCY, KISIANGANI ERIC & MUCHIRI LYDIA**, 2009. Policies Driving Adaptation to Climate Change Among Pastoralist Communities in Northern Kenya. Human Security in an Synthesis Conference, June 22-24, 2009, University of Oslo, Norway.
- k. **JULIUS HUHO & OGINDO HARUN**, 2009. Impact of drought on small scale farming livelihoods in Central Division, Laikipia District. December, 2009. Naivasha, Kenya.
- l. **WALKER, S, OGINDO, H.O., TSUBO, M.**, 2004. Quantifying risk for maize-bean intercrop production on two ecotopes in Zimbabwe and South Africa. 5<sup>TH</sup> WATERNET/WARFSA Annual Symposium, November 2nd -4th, 2004, Windhoek, Namibia.
- m. **OGINDO HO & WALKER, S**, 2004. Comparison of measured changes in seasonal soil water content by rainfed maize-bean intercrop and component cropping systems in a semi-arid region of southern Africa. 5<sup>TH</sup> WATERNET/WARFSA Annual Symposium, November 2nd -4th, 2004, Windhoek, Namibia.
- n. **OGINDO HO & WALKER, S**, 2004. Long-term risk assessment for yields using a maize and bean intercrop simulation model on three ecotopes within the SADC region. South African Society of Crop Production Annual Congress, held in Bloemfontein, South Africa from 20-22 January, 2004.
- o. **OGINDO, H.O & WALKER, S**, 2003. The Estimation of Water Extraction by a Maize-bean Intercrop and its Sole Crop Components in a Semi-arid Region. 6<sup>th</sup> Biennial Conference of the African Crop Science Society, October 12-17th 2003, Nairobi, Kenya.
- p. **WALKER, S & OGINDO, H.O**, 2003. The determination of transpiration efficiency coefficient for common bean on a weighing lysimeter. 4th WATERNET/WARFSA Annual Symposium, 15-17th October 2003, Gaborone, Botswana.
- q. **OGINDO, H.O & WALKER, S**, 2003. The comparison of soil water extraction by an additive maize-bean intercrop and its sole crop components within a semi-arid ecotope.

4th WATERNET/WARFSA Annual Symposium, 15-17th October 2003, Gaborone, Botswana.

- r. **OGINDO, H.O & WALKER, S, 2003.** Quantification of maize and bean intercrop water use within a semi-arid region of Southern Africa. Paper presented at the SYMPOSIUM ON WATER CONSERVATION TECHNOLOGIES FOR SUSTAINABLE DRYLAND AGRICULTURE IN SUB-SAHARAN AFRICA, held at Bloem Spa, Bloemfontein, 8-11 April, 2003.
- s. **WALKER, S., TESFUHUNEY, W.A., OGINDO, H.O & TSUBO, M., 2003.** Maize leaf expansion rate and leaf temperature. Combined Conferences for South African Crop Production, Soil Science and Horticultural Sciences, 20-23 January 2003, University of Stellenbosch, Cape Town.
- t. **OGINDO, H.O, WALKER, S. & TSUBO, M., 2003.** Plant Availability Water Extraction by a Maize and Bean intercrop system. Combined Conferences for South African Crop Production, Soil Science and Horticultural Sciences, 20-23 January 2003, University of Stellenbosch, Cape Town.
  - b) **TSUBO, M., WALKER, S. & OGINDO, H.O, 2003.** Modelling canopy radiation transmission of cereal legume intercropping. Combined Conferences for South African Crop Production, Soil Science and Horticultural Sciences, University of Stellenbosch, Cape Town.
  - c) **WALKER, S & OGINDO, H.O. 2002.** The water budget of rainfed maize and bean intercrop. 3rd WATERNET/WARFSA Annual Symposium, held in Dar-es-salaam, Tanzania. **OGINDO, H.O. & WALKER, S. 2002.** The Application of Crop Specific coefficients to evaluate water use in a maize-bean intercropping system. Paper presented to South African Crop Production Congress, held in Pietermaritzburg, South Africa.
  - d) **WALKER, S., OGINDO, H O. & HENSLEY, M. 2001.** Measurement of a transpiration efficiency coefficient for common beans using a lysimeter. ASA,CSSA & SSSA 2001, Annual Meetings, October 21-25, Charlotte, NC, USA.
  - e) **VAN DEN BERG, W.J., KOONJAH, S.S., ABRAHA W., OGINDO, H O. & MANLEY, E. 2001.** Hail frequencies in South Africa. SSSSA, SACP & SAWSS Joint Congress, 2001, 16-18 January, 2001, Pretoria, South Africa.

#### 14. Student Supervision

- i. Effect of nitrogen sources on maize (*Zeamays*) productivity, nitrogen use efficiency and greenhouse gas emission in two agroclimatic zones in Western Kenya MSc Thesis by David Masika Musuya - PG/AF/00001/2012 (Graduated 2017)
- ii. Evaluation of Seasonal Evaporation, Rainfall Use Efficiency and Water Extraction Limits by Nerica 4 Rice Variety Grown under different field management practices by Wabwile Electine Nakhone - PG/MA/6047/2011, (Defended: May 2016)
- i. Determination of water use efficiency in maize-legume based integrated soil fertility management systems in different soil types in western Kenya, MSc Thesis by Osieyo Samuel Murunga – MSC/AF/00014/2014 (Ongoing – write up stage)
- ii. The influence of Agricultural Landuse practices on Food Security in Semi-arid Agroecological zones of Nyakach Sub County, Kisumu County, Kenya, a PhD Thesis by Obuoyo Joyce Atieno - PG/PHD/059/2006 (Graduated 2017)
- iii. Determinants of Adaptive Strategies of Smallholder Dairy Farmers to Climate Change in Migori County, Kenya: PhD theses by Charles Okech Odhiambo – PHD/AF/00131/2013 (On going – data collection stage)

- iv. An Investigation into Community Perceptions and Responses to Climate risk Communication in Arid and Semi-arid Lands: The Case of Turkana Central and South Districts. by Nancy Narotso Mwakha- (MSc candidate, Maseno University, School of Earth and Environmental Sciences) PG/MSC/002/07- Ongoing)
- v. Effect of soil water availability on the growth and yield of African Nightshades (*Solanum scabrum*) by Jomo Oscar Mbera (MSc Candidate, Maseno University, Faculty of Science, Botany Department, PG/MSc/063/2010-Graduated 2013)
- vi. Women's Adaptive Capacity to Climate Variability and Change in Pastoral Communities: A Case Study of Mandera and Turkana in Northern Kenya, University of KwaZulu, Republic of South Africa (PhD by Nancy Akinyi Omolo- Ongoing)
- vii. Effects of Land Use Systems on Carbon Dynamics under Savanna Conditions of Lambwe Valley, Kenya (PhD by George K'Otuto, Maseno University Dept of Horticulture- Graduated 2013)
- viii. Effects of drought on subsistence agriculture in semi-arid areas of Laikipia District, Kenya (PhD by Julius Huho, Maseno University Department of Geography - Graduated December 2011)
- ix. The impact of rainfall variability on the physical and socio-economic environments around Maragoli Hills in Vihiga District, Kenya (MSc by James R.O Ndonga, Maseno University Dept of Environmental Sciences- On-going)
- x. Analysis of Microbiological contamination in dug wells in Kisumu Municipality, Kenya (MSc by Ambasi Lusanji, Maseno University, Dep of Urban Planning - Ongoing).



## REFEREES

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