

CURRICULUM VITAE

October, 2021

FAMILY NAME:	Ndiema
OTHER NAMES:	Chesambu Alice
DATE OF BIRTH:	26 th September 1957
PLACE OF BIRTH:	Mt. Elgon District, Kenya
NATIONALITY:	Kenyan
MARITAL STATUS:	Widow

ADDRESS

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ACADEMIC QUALIFICATIONS

Ph.D. in Agricultural Extension Egerton University Kenya (2010)
M.Sc. in Agricultural Extension Egerton University Kenya (2002)
B. Sc. in Agriculture and Home Economics Egerton University Kenya (1998).
Diploma in Agriculture and Home Economics Egerton College, Kenya (1986)
Certificate in Agriculture and Home Economics, Bukura College, Kenya (1978)

EMPLOYMENT

Teaching

Senior Lecturer (2016- date), *Department, Agribusiness Management and Extension*

School of Agriculture and Veterinary Science, Masinde Muliro University of Science and technology.

Lecturer (2009- 2016), *Department, Sugar Technology*

School of Agriculture and Veterinary Science, Masinde Muliro University of Science and technology.

Assistant Lecturer (2007- 2009), *Department, Criminology and Social Work*

School of Education, Masinde Muliro University of Science and technology.

Research

Senior Research officer (1998-2007) Kenya Agricultural Research Institute (KARI); Head of Socio-Economic, Information and Biometrics, Priority setting for KARI-Njoro mandate region, Training extension agents on monitoring and evaluation of projects in the field, studies on impact of technologies from KARI to the farming communities; promoting agro-forestry among small scale farmers; Working on Budgetary allocation of funds for research in the department

Research officer (1986-1998) Kenya Agricultural Research Institute (KARI); Carry out on-farm research in the institute.

Agricultural Extension Officer (1978-1986) Ministry of Agriculture as an Extension Advisory Officer

POST GRADUATE EXPERIENCE

SUPERVISION TO COMPLETION

1. **O. M. Okumu (MSc. 2012);** Department of Sugar Technology, Influence of ICT on sugar marketing by sugar companies in Western Kenya
2. **George Michael Mbagaya (M.Sc. 2014)** Hankyong National University, South Korea; Analysis of Climate Change Vulnerability and Adaptation options among Farmers in Nambale district-Kenya
3. **Tarus E. (MSc, 2015) ;** Department of Agri-Business Management and Extension Contribution of ICT to extension service delivery for horticulture farmers in Uasin/Gishu County, Kenya
4. **E. Wapukhulu (M Sc, 2016).;** Department of Agri-Business Management and Extension The role of information communication technologies (ICTS) in Sugarcane production among the Nzoia Sugar cane farmers of Bungoma County, Kenya
5. **Flora M. (MSc, 2016) ;.** Department of Agri-Business Management and Extension Indigenous knowledge systems and the development of the traditional vegetable value chain in Vihiga County, Kenya
6. **Halima A. (MSc, 2017.);** *Department of Agri-Business Management and Extension*; Information Communication Technology (ICT) and dissemination of agricultural marketing information to small scale vegetable farmers in Vihiga County, Kenya
7. **Rono V. K. (MSc,2018);** Department of Agri-Business Management and Extension Factors affecting adoption of hermetic bags technology among smallholder farmers in Busia County, Kenya
8. **Kanditi Bernard Sunday (Msc, 2019);** Department of Agri-Business Management and Extension: A study on Common bean insect pest and disease identification symptoms and management practices by farmers in Teso North and Bungoma West sub-counties of Busia and Bungoma Counties in Western Kenya
9. **Costa Kowon (Msc UOE 2019);** Department of Agricultural Economics and Resource Management: Effects of gender roles on agricultural production and food security among rural households in Baringo County, Kenya
10. **Tabitha Auma Ojuodho (MSc, (2019);** Department of Agri-Business Management and Extension); The influence of information Access on Adoption of improved Sweet potato varieties in Migori County Kenya
11. **Caren Kageha Okwara (MSc, 2019);** Department of Agribusiness Management and Extension) Dissemination of E-Agriculture Information Resources to Improve Agricultural Productivity in Busia County, Kenya

Submitted

George Michaels Mbakaya (PhD): Department of Agribusiness Management and Extension :(2019): Application of Social Networks analysis (SSA) information flow for the adoption of sustainable agricultural innovations in Western Kenya

Josephat Barasa Kombo (PhD) Impact of Policies on Revival of Sugar Cane Farming in Western Kenya

Mary Okumu (PhD); Impact of Mobile phone Services in accessing agricultural market information by small holders farmers in Bungoma Count. Department of Agribusiness and Extension Management.

Submission

John Manyali Wesonga (PhD) Influence of Agriculture teaching resources on performance of certificate agriculture trainees in technical institutes in Western Kenya

Benson Maniaji (PhD): Department Agribusiness Management and Extension (2019) Comparative study of food security, Nutrition status and coping strategies among rural small scale farmers in Ikolomani and and Aldai sub-counties

Proposal Stage

John Caleb Dimo (MSc Egerton University): Department of Agricultural Education and Extension (2020). To determine Gender gap in the use of E-Extension among smallholder Cassava farmers in Home-Bay County, Kenya

Margaret Yator (MSc University of Eldoret): Department of Agricultural Economics and Resources Management, (2020). Effects of Training small scale farmers on food security in Moiben Sub-county, Uasin/gishu County, Kenya

Anjila H. S. (MSc.): Department of Agri-Business Management and Extension (**Submitted 2018**): Evaluation of Extension service delivery in relation to milk production in Kakamega East Sub-County under devolved County government of Kakamega, Kenya

Luis B. Kiplimo (Msc UOE); Department of Agricultural Economics and Resource Management: (**Submitted 2018**) The Evaluation of factors affecting the uptake of passion fruit farming in Keiyo South Sub-County, Kenya

EXAMINATION

1. Ruth Chepchirchir (MSc), Department of Agricultural Economics and resource Management (University of Eldoret (2021)
2. **Caroline Jemeli Toroitich (PhD)**, Department of Agricultural Economics and resource Management (University of Eldoret (2021)
3. **Charles Okech Odhiambo (PhD)** Depart. of Agricultural Extension Maseno University (2020)
4. **Margaret Akinyi (PhD):** Department of Agricultural Economics and Rural Development (UOE) (2019)
5. **Stela Tino (PhD):** Department of CDMHA, MMUST (2015)
6. **Kadenge Edga Mwondi (M. Sc.):** Department Sugar Technology, MMUST (2014)
7. **Rosebella Cheptoo Chukwu (PhD):** Department of CDMHA, MMUST (2013)
8. **Rose Nafula (M. Sc.):** Department of Sugar Technology, MMUST (2012)

UNIVERSITY/FACULTY RESPONSIBILITIES

Ag Registrar Planning, Research and Innovations (November 2020 to date)

Chairperson Department of Agribusiness Management and Extension (June 2019 to 2020)

Ag. Chairperson Sugar Technology (2013)

Coordinated the development of the following programmes

Diploma In Agricultural Education and Extension

BSc. in Agricultural Education and Extension

BSc Agricultural Economics and Resource Management

BSc Agribusiness Management and Marketing

MSc. Agricultural Extension and Rural Development

MSc. Agricultural Education and Extension

PhD in Agricultural Extension & Rural Development

PhD in Agricultural Education and Extension

OTHER RESPONSIBILITIES

Member of the Institutional and Ethics Review Committee (IERC) (2018 to date)

Chairperson Disability mainstreaming committee (2017 to date)

Member of the Organizing Committee Indigenous Languages matter for development, peace building and reconciliation Proceedings of 19th to 21st February 2020 at MMUST

Team Leader Secretariat of the First PAIRC Conference (2018)

Member of the organizing Committee of the First PAIRC conference (2018)

Member, The appeals Committee to hear appeals against Senate Ad hoc Disciplinary Committees' decision to suspend students (July, 2016)

Member, Advisory Board on Agriculture, Kakamega County (2015 to date)

Board Member, (BOG): Sanga'lo Institute of Science and Technology, Bungoma County (2013-2015)

Head of Section, **Socio-Economics, Information and Biometrics, KARI, Njoro (2003-2007)**

PROFESSIONAL ASSOCIATIONS

1. Kenya Profession Association of Women in Agriculture and Environment (**KEPAWAE**); Chairperson for Rift Valley Province for five years, (2002-2006)
2. Member of International Network of Women in Engineering and Science (**INWES**)
3. Member of the Organization of Social Sciences Research in Eastern and Southern Africa (**OSSREA**)

PUBLICATIONS

Journals

1. International Organization of Scientific Research Community of Researchers is hereby **Honoring this certificate to Ndiema C. A et al** in recognition of publication of the manuscript entitled "Influence of Information access on production and marketing of improved sweet potato varieties in Kenya; A case of Migori County, Kenya. Published in JOSR Journal of Humanities and Social Sciences. Vol. 24, Issue 11, Series 1 November 2019
2. Ngetich J. K. and **Ndiema A. C.** (2020) Challenges and opportunities in environmental impact assessment and environmental audit practice in Kenya, Journal of Geography and Regional Planning. Vol. 13(3), pp. 70-76, July-September, 2020 DOI: 10.5897/JGRP2019.0753 Article Number: FAC261264757 ISSN 2070-1845

3. Mbakaya G. M., Wandahwa P., Ogemah V. and **Ndiema A. C.**, (2020). Method analysis to social network analysis as an analytical tool for agricultural information sharing among farmers in Western Kenya. *International Journal of Science environment and Technology* Vol. 9, No 4, 625-637
4. Kageha C. O., Ogemah V., and **Ndiema A. C.** (2019); Access and use of electronic information resource by small holder farmers in Busia County, *Research journali's Journal of Agriculture*, vol. 6, No. 7, August 2019; published in www.researchjournali.com
5. Ojuodhi A.T., **Ndiema C. A.**, and Akwale M. S. (2019); Influence of information access on production and marketing of sweet potato varieties in Kenya: A case of Migori County, Kenya. *Journal of Humanities and social sciences*. Vol. 24 iss11, series 1 (Noveber 2019) 44-51 e-ISSN: 2279-0837, p-ISSN: 2279-0845. www.iosrjournals.org
6. **Ndiema A. C.**, (2019): Institutional factors influencing adoption among farming communities in arid semi-arid lands of Kenya. *Journal of Science and Technology Education and Management (J-STEM)*, Vol. 8 No. 1 June 2019, ISBN 1991
7. Kokwon C., **Ndiema A. C.**, and Sumukwo J. (2018); Effects of Gender and food security among rural household in Baringo North Sub-County of Baringo County, *African Journal of Education, Science and Technology*, Vol4, No.3, June 2018,
8. **Ndiema A. C.**, Ogemah V., and Kaditi B. S. (2018). Common Bean Insect pest and disease identification technique and management practices by farmers in Teso North and Bungoma west, western Kenya; *International Journal of innovative research and advancec studies*.ISSN 2394-4404 Vol. 3(8) August 2018.
9. Rono V. K., Ogemah V. and **Ndiema A. C.**, (2018): Factors Affecting Adoption Of Hermetic Bags Technology Among Smallholder Farmers In Busia County, *International Journal of Innovative Research and Advanced Studies (IJIRAS)* Volume 5 Issue 3, March 2018, ISSN:2394-4404.
10. Wepukhulu E. W., Wakhungu J. W., **Ndiema A. C.**, (2016); Potential role of information communication technologies in sugarcane production by farmers of Bungoma County, Kenya. *The international journal of science and technology* ISSN 2321-918x, vol. 4 (9) September 2016.
11. Tarus E., Ogemah V., **Ndiema A. C.**, and Kipngetch B, (2015); Contribution of ICT to Extension service delivery for horticulture farmers in Uasin Gishu County, Kenya. *International Journal of Agriculture and Crop Sciences*. ISSSN, 2227-760X, Vol. 8. (5), 759-764, 2015
12. Mbagay G. M. and **Ndiema A. C.**, (2015), Farming Households' Vulnerability and Resilience to Climate Change in Nambale Sub-County of Kenya. *International Journal of Science, Environment and Technology*, ISSN 2278-3687 (O), 2277-663X (P), Vol. 4, No. 6, 2015, 1608-1617
13. **Ndiema A. C.** (2015), Adoption of Cassava Production Technology in the Central Rift Valley Province, Kenya. *International Journal of Science and Research*, ISSN: 2319-7064, Vol 8
14. **Ndiema A. C.**, M. G. Kinyua, and A. A. Aboud (2014), Technology awareness and farmer perception of wheat production technologies and adoption in Njoro and Rongai, Nakuru, Kenya, *J-STEM* Vol.6 Nos. 1&2, 2014, pp83-91, MMUST
15. **Ndiema A. C.** Malinga J. N. Were H and Keya D. O (2013) *Adoption of Tissue Culture technology for Banana production in Nakuru District, Kenya*, *Journal of Science and Engineering of East and Central Africa (EAJEST)*, Vol 1 No. 1, 2012, MMUST
16. **Ndiema A.C.**, Aboud A.A., Kinyua M.G. and Keya C.O. (2012) *Farmer Perception and adoption of drought Tolerant Wheat Varieties in the Arid and Semi-arid Lands of Kenya* Egerton Journal of Science and Technology, Vol. 12, pp 90-99, Egerton University

17. **Ndiema A.C.** and Hugo De Grout (2011), *Socio-Economic factors influencing use of recycled maize and wheat seed by farmers in Nakuru district, Kenya*, International Journal of Disaster Management and Risk Reduction, Vol.3, No.2, pp52-57

Conference /Symposia

1. Ndiema A. C., Muyekho F., Situma J., Oduor J., Achock JSK., Kweyu S: Enhancing Cassava Based Recipes For Improved Nutrition at Household Level During the Covid-19 Pandemic in Kakamega County, Kenya
2. Bwabi M, Ndiema A. C, & Onamu Rose: Evaluation of intra-Row Spacing and Treillis on the Yield Potential of Indian Spinach (Basella Alba L) In Western Kenya
3. Kanda, E.K., Ndiema A. C., Muyekho F., Situma J., Oduor J., Achock JSK., Otondi E., Lutta, V.O., Kweyu S., Mwaniri, B.I: Potential of Using Cassava Peels as a Coagulant in Water Treatment
4. Kokwon C., Sumukwo J., and **Chesambu A. N. (2019)**. Analysis of the relationship between gender roles in farm decision making and house hold food security in Baringo North Sub-county, Kenya. Multi-disciplinary International conference on Transformative leadership, innovation and technology transfer for sustainable development in Developing countries
5. **Ndiema A. C.,** Wamocho L. S. and Konyole S. O. (2016); Leveraging nutritious foods through participatory extension linkages among small scale farmers in Lurambi Sub-County of Kakamega County. 2nd UNIVEN-WSU International Research Conference, held at the Ranch Polokwane, Limpopo Province, South Africa, 5th – 7th October 2016

Editor

1. Achoka J. S. K., Owuor J. O., and **Ndiema A. C.** (Editors), 2019; Journal of Science and Technology Education and Management (J-STEM), Vol. 8 No. 1 June 2019, ISBN 1991.
2. Achoka J. S. K., Owuor J. O and **Ndiema A. C.** (Editors) 2019; Proceeding of The First Pan African International Research Congress on Knowledge Generation and Dissemination (1st PAIRC-2018), Kisumu Kenya, 17th -21st June 2018
3. M.G. Kinyua, J. Kamwaga, J.O. Owuoch, **A. C.Ndiema**, P.N. Njau, D. K. Friesen, D. Ouya (Editors) 2005. Proceedings of the 12th Regional Wheat Workshop for Eastern, Central and Southern Africa, Nakuru, Kenya, 22–26 November 2004. KARI and CIMMYT

PROFESSIONAL TRAINING

1. Certificate of participation

Participated in a Three days Training on Finance for Non-Finance Managers from 28th to 30th September, 2021 at Sarova White Sands Hotel-Mombasa. The Theme: Financial Leadership for Futuristic Sustainability of Masinde Muliro University of Science and Technology.

2. Certificate of Participation

The final workshop of the DAAD funded project ProUniEdu-Wek, Brandenburg Univeristy of Applied Sciences
Brandenburg an der Havel, Germany, August 9th -13th, 2021

3. Certificate of Participation

Participated in the school of Education workshop; Innovative Teaching Practices, reflecting on Education during and Post COVID-19 pandemic held at Sheywe Guest House, Kakamega on Tuesday, 23rd February, 2021

4. Certificate of Participation

Active participation in Curriculum Review and Development Workshop held at Tom Mboya Labour college. Redefining academic programmes and development for global competitiveness, from 25th – 26th March 2021

5. Certificate of Participation

Philippines-Kenya Education Network (PEN) Promoting quality Teacher Education for teacher-education on the theme “participating in the first PEN WEBINAR on Teacher-education on the theme “Recover and Revitalize Education for COVID-19 Generation” on 25th January 2021

6. Certificate of participation

In the school of Medicine Workshop held on 22nd December 2020 at Kakamega Sports Club; strengthening research with special emphasis on COVID-19 pandemic, MMUST

7. Certificate of Appreciation

For having attended the Invitation to a Gender and Disability Mainstreaming Workshop in Review and Development of activities work plans, which took place on 15th -16th August 2019 at EKA Hotel, Nairobi.

8. Certificate of Participation

For having attended the Equality and Inclusion PC-Congress for State Corporations Board and Council Directors and Members, which took place on 17th -19th July 2019 at Pride Inn, Mombasa.

9. Certificate of Organizing

For organizing the 13th Multidisciplinary International Conference 2019 Held at Masinde Muliro University of Science and Technology from 19th –m 21st June 2019. Transformational Leadership, Innovation and Technology Transfer for Sustainable Development in developing Countries.

10. Certificate of appreciation

Member of the Organizing Committee of the First Pan African International Research Congress on Knowledge Generation and Dissemination (1st PAIRC 2018) hosted by (MMUST & Venda) at the Grand Royal Swiss Hotel, Kisumu, Kenya, from 18th - 22nd June 2018

CURRENT RESEARCH

1. Enhance digital education by agro-intensification of crops and livestock production for food security and biofuel utilization during the covi-19 pandemic period in Kakamega County. **Ndiema A. C.**, Wikarski D., Achoka J. A., Kweyu S., Kanda E, and Ogemah V. **Funded by DAAD (2020)**
2. Enhancing cassava-based Recipes for improved nutrition at household level during the covi-19 pandemic in kakamega county (2020); **Ndiema A. C.**, Muyekho F., Situma J., Onduro J. O., Achoka J. A., Kweyu S. **Funded by URF**
3. Bio-prospecting for probiotic Endophytic Microbes of wild fruits for food and wine processing in MMUST (2020). Otondi E., **Ndiema A. C.**, Koroney E., and Naluyange V.: Funded by DVC PRI towards the MMUST Internal Call to Support Innovative Projects 2020

4. Enhancing Response Mechanisms of Smallholder Farmers to Impacts of Climate and Environmental Variability in Laikipia and Narok Counties of Kenya (2014 to date); Nakhone L. W., Obati I. M., Mulwa R. S. and **Ndiema A. C (Funding NACOSTI)** In collaboration with Egerton University. University of Eldoret and Masinde Muliro University of Science and Technology

REFEREES

Prof. Charles Mutai

Ag. DVC Administration and Finance

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