

# STELLA NWAUWULU CHIEMELA

DEPARTMENT OF AGRICULTURAL ECONOMICS, UNIVERSITY OF NIGERIA NSUKKA,  
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## POST-SECONDARY EDUCATION

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- **PhD in view**
- Short-term research visit, Department of Agricultural, Food and Resource Economics, Michigan State University, USA 2018
- **M.Sc Agroecology and Sustainable Development**, Mekelle University, Mekelle, Ethiopia 2012 - 2014  
Distinction
- **B.Agric Agricultural Economics**, University of Nigeria, Nsukka, Nigeria 2006 - 2010  
First Class Honours

## ACADEMIC DISTINCTIONS & AWARDS

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- **USAID-Feed the Future, Nigeria Agriculture Policy Project Scholarship** 2018  
3+ months research visit to Michigan State University, USA
- **Trandisciplinary Training for Resource Efficiency and Climate Change Adaptation in Africa (TRECCAfrica) Scholarship** 2012-2014  
The award was full funding by the European Commission for my master's degree programme at Mekelle University, Ethiopia
- **Second-best Graduate** 2010  
Department of Agricultural Economics & Faculty of Agriculture, University of Nigeria Nsukka, Nigeria

## PROFESSIONAL EXPERIENCE

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- **Department of Agricultural, Food and Resource Economics, Michigan State University, USA.**  
**Research Trainee** January – May 2018  
Offered two courses - Empirical Methods in Field Research in Developing countries, and Modelling of Natural Resources. I was trained on using R and *Stella* applications for systems dynamic modelling.
- **University of Nigeria, Nsukka, Nigeria** 2014 -2015  
**Academic Officer, Distance Learning Programme**  
Organised and scheduled online lectures and tutorials. Monitored online delivery of modules for quality assurance. Provided academic advisory services to students and coordinated academic relationships with online lecturers and resource persons.
- **University of Nigeria Nsukka, Nigeria** July 2014 - Present  
**Lecturer (Assistant lecturer – Lecturer I)**, Department of Agricultural Economics  
Preparing and organising lecture plans. Teaching a class of 50+ undergraduate students, modules in Methods of Social Science Research and Production Economics. Creating hands-on exercises to improve students' collaboration and critical thinking abilities. Working with colleagues to revise undergraduate curriculum. Invigilating and accurately grading examinations. Uploading results on the university result portal. Supervising

undergraduate students' projects. Advising undergraduate students on all academic matters. Communicating effectively with internal and external stakeholders on academic matters.

- **University of Nigeria Nsukka, Nigeria** September 2012 – July 2014  
**Graduate Assistant**, Department of Agricultural Economics  
Assisted in teaching Production Economics and Methods of Social Science Research. Invigilated and graded examinations. Served in the departmental accreditation and library committees.
- **Federal Ministry of Agriculture and Rural Development, Abuja, Nigeria**  
**Corps member - Contract staff** July 2011 – September 2012  
Assisted in project planning, monitoring and evaluation of cocoa projects; prepared project and high level meeting reports; Member of the event planning committee.
- **HUJII Farm, University of Nigeria Nsukka, Enugu State, Nigeria**  
**Industrial Trainee (One academic session)** 2008 -2009  
Situational analysis of rural world; Implementation of intervention methods in the rural areas; Livestock keeping and management; Crop production (farm clearing, land cultivation, planting, weeding, application of agrochemicals, harvesting and sale); Soil Survey; Farm Design and Land Use Planning; and, Farm Record keeping.

## **BLOG, POLICY BRIEFS, JOURNALS AND CONFERENCE PRESENTATIONS**

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### ***Blog Articles***

**Stella Nwawulu Chiemela** (2025). Unravelling the Tapestry of Food Systems: A Journey of Collective Wisdom and Empowerment. <https://blogs.york.ac.uk/igdc/2025/02/24/unravelling-the-tapestry-of-food-systems-a-journey-of-collective-wisdom-and-empowerment/>

**Stella Nwawulu Chiemela** and Abba Ngurno (2024). Experts Convene in Abuja to Tackle Clean Energy, Land Degradation, and Biodiversity Loss in Nigeria. <https://www.york.ac.uk/yesi/news/2024/experts-covene-in-abuja-nigeria/>

- Contributed to the interview and video recording of [Clean Cooking: Fast Path to Saving Forests in Nigeria](#).(2024), a Nigeria project documentary sponsored by Royal Society.

### ***Policy Briefs***

Onyinye Choko, Laura Schmitt Olabisi, Robert Onyeneke, **Stella Nwawulu Chiemela**, Lenis Saweda Liverpool-Tasie and Louie Rivers III, 2019. Community-Scale Climate Adaptation: Evidence from Ebonyi State, Nigeria. *Feed the Future Innovation Lab for Food Security Policy Research Brief 81*. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/community-scale-climate-adaptation-evidence-from-ebonyi-state-nigeria>

Laura Schmitt-Olabisi, Saweda Liverpool-Tasie, Robert Onyeneke, Onyinye Choko, Bukola Osuntade, Awa Sanou, Udit Singh, **Stella Chude Chiemela** (2019). Climate Change Adaptation in the Nigerian Agricultural Sector. *Feed the Future Innovation Lab for Food Security Policy, Policy Research Brief 91*. East Lansing: Michigan State University. [https://www.canr.msu.edu/fsp/publications/policy-research-briefs/policy\\_research\\_brief\\_91.pdf](https://www.canr.msu.edu/fsp/publications/policy-research-briefs/policy_research_brief_91.pdf)

Stella Nwawulu Chiemela (2018). A Visit to MSU Organic Farm: A Thought of Bringing Food Safety Home. Nigeria Agricultural Policy Project Highlights [https://www.canr.msu.edu/fsp/countries/nigeria/Highlight\\_25ac.pdf](https://www.canr.msu.edu/fsp/countries/nigeria/Highlight_25ac.pdf)

### ***Journal Articles***

Apeh, C. C., **Chiemela, S. N.**, Chiemela, C. J., & Apeh, A. C. (2024). Evaluating the barriers to adoption of improved biomass cookstoves in Benue state, Nigeria. *African Journal of Science, Technology, Innovation and Development*, 16(7), 891–898. <https://doi.org/10.1080/20421338.2024.2396450>

Apeh, C.C., **Chiemela, S.N.**, Apeh, A.C., Okere, R.A., Ukwuaba, S.I. and Onyekuru, A.N. (2024), Analysis of Adoption of Soil Nutrient Management Practices: A Case of Rice Farmers in Liberia. *Land Degrad Dev*, 35: 5549-5558. <https://doi.org/10.1002/ldr.5314>

Chikamso Christian Apeh, **Stella Nwawulu Chiemela**, Chinedum Jachinma Chiemela & Andrew Chiahalam Apeh, 2024. Evaluating the barriers to adoption of improved biomass cookstoves in Benue state, Nigeria, *African Journal of Science, Technology, Innovation and Development*, 16(7), 891-898, November.

Ukwuaba, I. C., Ngwuoke, C. N., Chiemela, C. J., Nwachukwu, C. U., Mukaila, R., Ileka, C. M., & **Chiemela, S. N. (2023)**. Exploring the Effects of Information and Communication Technologies in the Marketing of Broiler Birds in Enugu State, Nigeria. *Turkish Journal of Agriculture - Food Science and Technology*, 11(12), 2202–2210. <https://doi.org/10.24925/turjaf.v11i12.2202-2210.5155>

Ukwuaba, I. C., Owutuamor, Z. B., **Chiemela, S. N.**, Ileka, C. M., & Ukwuaba, I. C. (2022). Unravelling the Drivers of Plantain Marketing in Enugu State, Nigeria. *Research on World Agricultural Economy*, 3(1), 33–41. <https://doi.org/10.36956/rwae.v3i1.496>

Apeh, C.C., Onyekuru, N.A., **Chiemela, S.N.** & Apeh, C.P. (2022). Enviro-Health Consequences of Unpaved Road Deterioration in Liberia: Implications for Development. In: Leal Filho, W. (eds) *Handbook of Human and Planetary Health. Climate Change Management*. Springer, Cham. 313-334. [https://10.1007/978-3-031-09879-6\\_18](https://10.1007/978-3-031-09879-6_18)

**Chiemela, S. N.**, Chiemela, C. J., Apeh, C. C., & Ileka, M. C. (2022). Households Food Security and Perception of Food Nutrition in Enugu State, Nigeria. *Journal of Agricultural Extension*, 26(2), 11-23. <https://doi.org/10.4314/jae.v26i2.2>

Chiemela C. J., Okpukpara B.C., Onyekuru N.A., Arene C.J., and **Chiemela S.N.** (2020), Trend in Fluctuation of Crude oil Price Real Exchange Rate and Prices of Selected Export Crops in Nigeria. *Journal of Basic and Applied Research International*. 26(3): 1-8,2020 Retrieved from <http://www.ikpress.org/index.php/JOBARI/article/view/5103>

Olabisi L. S., Onyeneke R. U., Choko O. P., **Chiemela S. N.**, Liverpool-Tasie L. S. O., Achike A. I. and Aiyelaja A. A. (2020). Scenario Planning for Climate Adaptation in Agricultural Systems. *Agriculture*, 10 (274) 1-9; <https://doi.org/10.3390/agriculture10070274>

Choko O. P., Olabisi L. S., Onyeneke R. U., **Chiemela S. N.**, Liverpool-Tasie L. S. and Rivers III L. (2019). A Resilience Approach to Community-Scale Climate Adaptation. *Sustainability*, 11 (3100), <https://doi.org/10.3390/su11113100>

**Chiemela S. N.**, Noulekoun F., Chiemela C. J., Zenebe A., Abadi N. and Birhane E. (2018), Conversion of degraded agricultural landscapes to a smallholder agroforestry system and carbon sequestration in drylands. *International Journal of Climate Change Strategies and Management*, <https://doi.org/10.1108/IJCCSM-08-2015-0116>

**Chiemela S. N.**, Noulekoun F., Zenebe A., Abadi N. and Birhane E. (2017), Transformation of degraded farmlands to agroforestry in Zongi Village, Ethiopia. *Journal of Agroforestry Systems*, <https://doi.org/10.1007/s10457-017-0076-7>

Noulekoun F., **Chude S. N.**, Zenebe A., and Birhane E. (2016). Climate Change Impacts on *Faidherbia albida* (Delile) A. Chev. Distribution in Dry Lands of Ethiopia. *African Journal of Ecology*, <https://doi.org/10.1111/aje.12345>

Noulekoun F., Birhane E., **Chude S. N.**, and Zenebe A. (2016). Characterization of *Faidherbia albida* (Del.) A. Chev. population in agroforestry parklands in the highlands of Northern Ethiopia: impact of conservation, environmental factors and human disturbances. *Journal of Agroforestry Systems* <https://doi.org/10.1007/s10457-016-9910-6>

Eneh O. C., Eneh C. A., **Chiemela S. N.** (2016) Food consumers' perception of genetically modified foods in Enugu metropolis, Nigeria. *Jokull journal* 66(4):1-16.

Eneh O. C., Eneh C. A., **Chiemela S. N.** (2016) Genetically modified foods: Food consumers' awareness in Enugu, Nigeria. *Jokull journal* 66(3):76-84.

### **Conference Presentations**

Obi J. N. , Ifekirika C., **Chiemela S. N.** and Effiong M. O. (2021). Effect of Agricultural Promotion Policy on Rice Production among Smallholder Farmers in Adani, Uzo-Uwani Local Government Area, Enugu State. *Nigerian Association of Agricultural Economists' Special National Conference, Alex Ekwueme Federal University Ndufu-Alike, Nigeria, 27<sup>th</sup>-29<sup>th</sup>, January, 2021*

Achike A. I. **Chiemela S. N.** and Achike A. E. (2021). Willingness to Contribute Towards Improved Water Supply and Sanitation in Nigeria. *Nigerian Association of Agricultural Economists' Special National Conference, Alex Ekwueme Federal University Ndufu-Alike, Nigeria , 27<sup>th</sup>-29<sup>th</sup>, January, 2021*

Obi J. N., Enete A. A. and **Chiemela S. N.** (2020). Effect of Presidential Initiative on Prioritized Flood Coping Strategies among Small Holder Farmers in Anambra State, Nigeria. *International Virtual Conference of the Department of Agricultural Economics, University of Nigeria Nsukka, 27<sup>th</sup> – 28<sup>th</sup> October, 2020.*

**Chiemela S. N.**, Chiemela C. J., Otagburuagu E. J., and Kingsley O. (2017). The awareness and perception of University of Nigeria Nsukka Agricultural Students on the Effect of Climate Change on Food Prices: Implication on the University Curriculum. *Annual Conference of the School of General Studies, University of Nigeria Nsukka, 7<sup>th</sup> – 10<sup>th</sup> May, 2017. University of Nigeria, Nsukka, Enugu State, Nigeria.*

**Chiemela S. N.**, Chiemela C. J. and Mgbebu E. S. (2016). Indigenous Climate Change Adaptation Strategies as Practiced by Farm Households in Udi LGA of Enugu State, Nigeria. *30<sup>th</sup> Annual Conference of the Farm Management Association of Nigeria (FAMAN), 28<sup>th</sup> November – 2<sup>nd</sup> December, 2016, University of Abuja, Gwagwalada, Nigeria.*

**Chude S. N.**, Birhane E., Zenebe A., Abadi N. and Chiemela C. J. (2015). Environmental Perception and Willingness to Accept Carbon Trade on Agroforestry Land: A Case of Zongi Agroforestry System, Tigray, Ethiopia. *4<sup>th</sup> Climate Change and Population Conference on Africa, 29-31 July, 2015, University of Ghana, Legon Accra, Ghana.*

**Chude S. N.**, Emiru B., Nigussie A., Noulekoun F. and Chiemela C. J. (2015). Transition of Land Use/Land Cover to Agroforestry to Restore a Degraded Land: A Case of Zongi Agroforestry System. *Conference on Integrated Systems Research, IITA, Ibadan, Nigeria, 3-6 March, 2015.*

Gbigbi T. M., Enete A. A., and **Chude S. N.** (2014). Economic Efficiency of Artisanal Fishing Households under Oil Pollution Environment in the Niger Delta Region of Nigeria. *Proceedings of 15<sup>th</sup> Annual National*

*Conference of Nigeria Association of Agricultural Economists (NAAE)* held at Niger Delta University, Wilberforce Island, Bayelsa State from 13<sup>th</sup> to 17<sup>th</sup> October, 2014.

**Chude S. N.**, Birhane E., Zenebe A., Abadi N., and Noulekoun F. (2014). Effect of Land Use Transition to Agroforestry on Carbon Sequestration: Lessons from Zongi Community, Tigray, Ethiopia. *Proceedings of Nigerian Meteorological Society (NMetS)* 2014 International Conference & 28<sup>th</sup> Annual General Meeting 9<sup>th</sup> – 12<sup>th</sup> November, 2014 at Benue State University, Makurdi, Nigeria.

## **TRAVEL GRANT AND CONFERENCE AWARD**

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Travel and accommodation grant award 4<sup>th</sup> *Climate Change and Population Conference on Africa* held from the 29<sup>th</sup>– 31<sup>st</sup> July, 2015 at the University of Ghana, Legon, Ghana June, 2015

Overall best poster presenter in an international conference “Climate Change and Sustainable Economic Development” at Benue State University, Makurdi November, 2014

## **PROFESSIONAL DEVELOPMENT TRAININGS**

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Choice Modelling training at the Environment for Development Centre (EfD), University of Nigeria Nsukka, Enugu State, Nigeria 1 -3 December, 2021

R and *STELLA* trainings at Michigan State University, USA. April – May 2018

Econometrics for Policy Analysis Using STATA by Feed the Future - Nigeria Agricultural Policy Project at the University of Nigeria, Nsukka, Enugu State, Nigeria 1-3 August 2017

Climate Data Analysis and Interpretation – Introduction to R software and Applied Geostatistics organised by Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) at Mekelle University, Mekelle, Ethiopia 10 – 15 April 2014

Blackboard Training at University of Nigeria, Nsukka, Enugu State, Nigeria. 2014

## **PROFESSIONAL AFFILIATIONS & SERVICE**

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**Member**, African Association of Agricultural Economists (AAAE) 2015 – Present

**Member**, Nigerian Association of Agricultural Economists (NAAE) 2014 – Present

**Member**, Africa Climate Change Adaptation Initiative 2014 - 2016

### **Peer-Reviewed Abstracts for:**

The 1<sup>st</sup> International Conference held by the Department of Agricultural Economics, University of Nigeria, Nsukka 2020

## **COMMUNITY SERVICE/VOLUNTEERING**

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- **Mentor - Africa of Our Dream Education Initiative (AODI)** 2024 - Present  
Goals: To improve the career development of mentees.  
Duties: Hold one-on-one discussions to guide mentees in their academic pursuits, growth and development.
- **Member - JCI** 2009 and 2010 respectively  
Planned and participated in outreaches such as *Go Green* and *Hygiene First*, projects that we toured elementary and secondary schools in Nsukka to sensitise students and kids on the importance of tree planting and personal hygiene, respectively.
- **Member – Sanitation team, Nigeria University Games (NUGA)** 2018

Voluntarily joined the Sanitation team to keep the game venues and the university tidy before and after games.

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**LANGUAGES**

English – Home country's official language. Fluent in Listening, Speaking, Reading, and Writing

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**TECHNICAL SKILLS**

Microsoft Office tools, ICT proficient, QGIS, SPSS, STATA, STELLA, R,

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**HOBBIES**

Tutoring, mentoring, playing football, farming, and engaging in creative arts

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**REFERENCE**

Available upon request