

CURRICULUM VITAE

AMUJI, CHINEDU FELIX (PhD)

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EDUCATIONAL QUALIFICATION

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|---|---|
| <i>Doctor of Philosophy</i> | Macquarie University Sydney, Australia April 2017- April 2021 |
| <i>MSc. Advanced Technology for Agroforestry Development</i> | University of Valladolid, Spain September 2014- July 2015 |
| <i>MSc. Crop Production</i> | University of Nigeria Nsukka, Nigeria. October 2011- February 2014 |
| <i>B. Agric. Crop Science First Class Honours</i> | University of Nigeria, Nsukka, Nigeria September 2005 – January 2010 |
| <i>Diploma Agricultural Production Management and Utilization</i> | University of Nigeria Nsukka, Nigeria November 2002 –July 2005 |
| <i>Senior Secondary Certificate Examination</i> | Christ the King College, Onitsha, Nigeria 1993 – 1999 |
| <i>First School Leaving Certificate</i> | Central Primary School, Uke, Nigeria 1987-1993 |

EMPLOYMENT HISTORY

- *Senior Lecturer* University of Nigeria, Nsukka, Enugu State, Nigeria
October 2022- Till date

Responsibilities

1. Coordinator of the of following courses CSC 221 (Introduction to Crop Anatomy, Taxonomy and Physiology) and CSC 512 (Plant Nutrition) for the Bachelor of Agriculture undergraduate students.
2. Part of the teaching lecturers for the following Bachelor of Agriculture undergraduate and Postgraduate MSc-Level courses:
AGR 101 (Biomathematics)
CSC 211 (Principles of Forestry)
AGR 302 (Agricultural Statistics and Data Processing)
CSC 421 (Principles of Crop Production techniques)
CSC 511 (Field Experimentation and Data Analysis)
CSC 671 (Statistical Methods, Design and Analysis of Experiments)
3. Examination officer of the Department of Crop Science, Faculty of Agriculture, University of Nigeria Nsukka.
4. Supervision of Post graduate and undergraduate research projects.
5. Conducting of research in areas of crop production, cropping systems and crop adaptations to changing climates.

- Australia Commonwealth Government funded International Research Training Program Scholarship (IRTP) for PhD studies at Macquarie University, Sydney, Australia. 2017-2021

-Erasmus Mundus Scholarship under Dream project for master's degree in Advanced Technology for Agroforestry Development at University of Valladolid, Spain. 2014-2015

-Nigeria Federal Government Scholarship for undergraduates. 2009

-Best Graduating student, Department of Crop Science, University of Nigeria, Nsukka. 2009/2010

PUBLICATIONS

Editorship of Book

1. Baiyeri, K.P., Aba S., Okechukwu E., Chukwudi P., and **Amuji C. F.** (2013) The Role of Crop Science in the Agricultural Transformation Agenda of Nigeria. Proceedings of the 1st National Annual Conference of Crop Science Society of Nigeria (CSSN), held at University of Nigeria Nsukka on September 15-19, 2013.
2. Baiyeri, K. P., Aba, S., Okechukwu, E. C., Chukwudi, P.U., **Amuji, C. F.**, Osadebe, V. O., and Mbadianya, F.I (2014). Crop production and youth employment in Nigeria. Proceedings of the 2nd National Annual Conference of Crop Science Society of Nigeria (CSSN), held at University of Nigeria, Nigeria, Nsukka, Nigeria on September 21-25, 2014.

Book

1. **Amuji C.F.**, Uguru M.I. and Ogbonna P.E. (2014). **Evaluation of advanced hybrids of two solanum species**. LAP LAMBERT Academic Publishing, Heinrich-Bocking Str.6-8,66121 Saarbruchen, Germany. ISBN: 978-3-659-42406-9.pp.81

Journal

1. **Amuji C.F.**, Omale B.B, Unagwu B.O., Eze M.O. (2025). Abiotic Stresses in Tomato (*Solanum lycopersicum*) Under Climate Change: Physiological Impacts and Emerging Mitigation Strategies, A Review. *Bio-Research (Journal of Biological Research and Biotechnology)*. 23(2):77-85. DOI: <https://dx.doi.org/10.4314/br.v23i2.9>
2. **Amuji C.F.**, P.C. Ezema, V.O. Osadebe, J.O. Obi and S.E. Obalum (2025). Growth and Yield Responses of Sweet Potato (*Ipomoea batatas* L.) to Different Mulches in Derived Savannah Agro-Ecology. *International Journal of Horticultural Science* 31: 24-30. <https://doi.org/10.31421/ijhs/31/2025/14238>
3. Osadebe, V.O., **Amuji, C.F.**, Dauda, N., Ukwu, U.N., Unagwu, B.O., Uzoigwe, A.D. and Nwoja, A.A., (2025). Effects of Weed Control Practices and Fertilizer Types on the Growth and Yield of Bell Pepper (*Capsicum annum* L.) in Nsukka, Nigeria. *Journal of Agricultural Extension* 29(3): 57-67. DOI: 10.4314/jae.v29i3.6
4. Unagwu, B.O.; Odu, C.F., **Amuji, C.F.**; Eze, M.O.; Ebido, N.E.; Abara, C.U.; Igboka, C.R.; Chukwudi, U.P. (2025). The Influence of Black Soldier Fly Residue on Watermelon Growth and the Properties of a Coarse-Textured Ultisol. *Soil Systems* 9: 43. <https://doi.org/10.3390/soilsystems9020043>

5. Dimokwu A.C., Osadebe V.O. and **Amuji C.F.** (2024) Growth and yield responses of Fluted Pumpkin (*Telfairia Occidentalis* HooK F.) to mulching and varying seed sizes in Nsukka Enugu state, Nigeria. *Current Research in Agricultural Sciences* 11 (2): 111-117. DOI: 10.18488/cras.v11i2.4023
6. Osadebe V.O., Igwe J.C., **Amuji C.F.**, Dauda N. and A.E. Ede (2024). Effect of Organic Waste as Fertilizers and Weed Management Practices on the Growth and Yield of Tomato (*Solanum lycopersicum* L) In a Derived Savannah Humid Environment. *International Journal of Recycling Organic Waste in Agriculture* 13 (4): 132443 (1-9). DOI: <https://doi.org/10.57647/ijrowa-hf9y-xc11>
7. Obi J.O., Onah C.J., Nnadi A.L., Osadebe V.O., Akubue J.C., **Amuji C.F.** and S.E. Obalum (2024). Sensitivity of rainfed okra (*Abelmoschus esculentus* L. Monech) to mulch material and plant spacing in drought prone tropical soils. *Agroindustrial Science* 14 (2): 97 – 106. <https://doi.org/10.17268/agroind.sci.2024.02.02>
8. Eze M.O. and **Amuji C.F.** (2024). Elucidating the significant roles of root exudates in organic pollutant biotransformation within the rhizosphere. *Scientific Reports* 14:2359. <https://doi.org/10.1038/s41598-024-53027-x>
9. Ilo G.E., Uguru M.I., P.E. Ogbonna and **Amuji C.F.** (2023). Field Evaluation of M4 Plants Obtained from Induced Mutation of Tomato ‘Cobra’ variety with Ethyl Methane Sulfonate (Ems). *Agro-Science, Journal of Tropical Agriculture, Food, Environment and Extension* 22 (2): 73 – 77. DOI: <https://dx.doi.org/10.4314/as.v22i2.10>
10. Ishieze, P.U., **Amuji C.F.**, Ugwuoke, K.I., Baiyeri, P.K. and Eze, M.O. (2023). Comparative Efficacy of Systemic and Combination Fungicides for the Control of Alternaria Leaf Spot of Cabbage. *Applied Microbiology* 3: 906–914. <https://doi.org/10.3390/app1microbio13030062>
11. Onah C.J., Nnadi A.L., Eyibio N.U., Obi J.O., Orah A.I., **Amuji C.F.** and Obalum S.E. (2023). Off-Season Heavy Application of Poultry Manure to Droughty-Acid Soils under Heavily Protective Organic Mulch Later Burnt to Ash Improves Their Productivity. *West African Journal of Applied Ecology* 31(1): 2023: 23 – 36.
12. **Amuji C.F.** and Nweke I.F. (2022). Effect of Salinity on Early Growth Stage of Irrigated Fluted Pumpkin (*Telfairia occidentalis*). *International Journal of Agriculture and Rural Development* 25(2): 6444-6449.
13. **Amuji, C. F.** (2021). The Future of Rain-Fed Horticultural Crops Production in a Changing West African Climate. *Reviews in Agricultural Science* 9: 206–220. DOI: 10.7831/ras.9.0_206
14. **Amuji, C.F.** (2021). Potential Impact of Climate Change on Six Economically Important Horticultural Crops in West Africa. *Journal of Agriculture and Ecology Research International* 22(6):9-24. DOI:10.9734/jaeri/2021/v22i630206
15. **Amuji C.F.**, Beaumont L.J. and Rodriguez M.E. (2020). Simulating the impact of projected West African heatwaves and water stress on the physiology and yield of three tomato varieties. *Advances in Horticultural Sciences Journal* 34 (2): 147-156. DOI:10.13128/ahsc-8494
16. **Amuji C.F.**, Beaumont L.J. and Atwell B.J. (2020). The Effect of Co-occurring Heat and Water Stress on Reproductive Traits and Yield of Tomato (*Solanum lycopersicum*). *Horticulture Journal* 89 (5): 530-536. DOI:10.2503/hortj.UTD-166

17. **Amuji C.F.** and Navarro S.H. (2019). Effect of Watering Frequencies on the Growth and Survival of *Petunia Axillaris* in a Controlled Environment. *International Journal of Horticultural Science and Ornamental Plants* 5(2): 086-091.
18. Eze S.C., Aba S.C., Ezeaku P.I., **Amuji C.F.** and Ogbonna R. (2017). Food Quality Characteristics and Effect of Plant Spacing on Performance of New Cassava (*Manihot Esculentum* Crantz) Genotypes in a Derived Savannah Agro-Ecology of Southeast Nigeria. *Nigerian Journal of Crop Science* 4 (1): 54-63.
19. Eze S.C., Aba S.C. and **Amuji C.F.** (2016). Phenotypic Diversity in Agro-morphological Features of Six New Cassava (*Manihot Esculentum* Crantz) Genotypes Evaluated in Nsukka, Southeast, Nigeria. *Nigerian Journal of Crop Science* 3 (1): 31-49.
20. Eze S.C., **Amuji C.F.** and Aruah B.C. (2016). Nano-biotechnology: A Solution to Food Insecurity, Safety and Sustainability. *Bio-Research* 13 (2): 912-919. DOI:10.4314/br.v14i1.188313
21. **Amuji C.F.**, Uguru M.I., Ogbonna P.E., Ugwuoke K.I., Eze S.C. and Mbadianya J.I. (2013) Isolation and Identification of Fungal Pathogens Associated with Tomato Genotypes/Lines in Nsukka South-Eastern Nigeria. *International Journal of Scientific Research* 2 (6): 5-8.
22. **Amuji C.F.**, Ogbonna P.E. and Uguru M.I. (2013). Seasonal Evaluation of Advanced Generations of Interspecific Hybrids of two *Solanum* Species in Nsukka Agro-Ecology of South-eastern Nigeria. *Nigerian Journal of Crop Science* 1 (1): 61-70.
23. Echezona B.C., **Amuji, C.F.** and Eze, S. (2013) Evaluation of Some Accessions of Bambara Groundnut (*Vigna subterranean* L. Verdc) for Resistance to Bruchid Infestation Based on Grain Source and Seed Coat Colour. *Journal of Plant Protection Research* 53 (3): 210-214. DOI: 10.2478/jppr-2013-0032
24. **Amuji, C.F.**, B.C. Echezona and Dialoke, S.A. (2012) Extraction Fractions of Ginger (*Zingiber officinale* Roscoe) and Residue in the Control of Field and Storage Pests. *Journal of Agricultural Technology* 8(6): 2023-2031.

CONFERENCE PRESENTATIONS

1. **Amuji, C.F.** and Ukweze E.O. (2025). Comparing of growth and Yield Responses of Local Maize and Oba Super 6 Hybrid under Organic and Inorganic Soil Amendments. **Paper presented at the 5th Annual National Conference of South East Zonal Biotechnology Research Centre, University of Nigeria, Nsukka. March 18 - 19th, 2025.**
2. Ifediniru M.K. and **Amuji, C.F.** (2024). Yield Responses of Sweet potato (*Ipomoea batatas* L.) to different Mulches in Derived Savannah Agro-Ecology. **Paper presented at the 18th Annual Meeting of the Environment for Development Initiative held at Nairobi, Kenya. October 3rd - 6th, 2024.**
3. **Amuji, C.F.** P.C. Ezema and V.O. Osadebe (2024). Yield Responses of Sweet potato (*Ipomoea batatas* L.) to different Mulches in Derived Savannah Agro-Ecology. **Paper presented at the 2nd Biennial International Conference on Sustainable Tropical Agriculture and Food Security held at New Faculty of Agriculture Auditorium, University of Nigeria State, Nigeria. April 25-28th, 2024.**

4. **Amuji, C.F. (2023).** Can Intercropping Solve the Food Crops Production Problem in South-Eastern Nigeria? **Research presented at the University of Nigeria Nsukka 3rd Annual Multidisciplinary International Conference. December 12-14th, 2023.**
5. **Amuji, C.F. (2023).** Effect of Some Abiotic Stresses on Tomato Production Under the Changing Climate: A Review. **Paper presented at the 2023 International Conference of School of General Studies, University of Nigeria Nsukka, Enugu State, Nigeria. May 10-12th, 2023.**
6. **Amuji, C.F. and Olajide, K. (2022).** Organic Farming as a Safe Alternative To Toxic Synthetic Chemicals Usage in Tropical Crops Production. **Paper presented at the 1st Biennial International Conference on Sustainable Tropical Agriculture and Food Security held at New Faculty of Agriculture Auditorium, University of Nigeria State, Nigeria. December 14-18th, 2022.**
7. **Ekoh P. I., Amuji, C.F. and Eze, S. C. (2021).** Influence of Variety and NPK Fertilizer on Growth and Yield of Sweet Potatoes (*Ipomea batatas*) In Derived Savannah Agro-Ecology. **Paper presented at the 7th Annual Conference of Crop Science Society of Nigeria, held at Ambrose Alli University, Ekpoma, Edo State, Nigeria. October 17-20th, 2021.**
8. **Amuji, C.F. (2021).** Comparing Fruit Sizes Of Tomatoes as Influenced by Application of Eight Weeks of Heat or Water Stress Shock. **Paper presented at the 7th Annual Conference of Crop Science Society of Nigeria, held at Ambrose Alli University, Ekpoma, Edo State, Nigeria. October 17-20th, 2021.**
9. **Amuji C.F. and Nweke E.I. (2021)** Effects of Salinity Stress on Early Growth Stage of Irrigated Fluted Pumpkin (*Telfairia Occidentalis*) for sub theme Agricultural Innovations and Food Security. **Research presented at the University of Nigeria Nsukka 1st Annual Multidisciplinary International Conference. July 5-7th, 2021.**
10. **Amuji C.F., Beaumont L.J. and Atwell B.A. (2019).** The effect of water stress combined with a heatwave on reproduction and yield of Roma-VF tomatoes. **Research presented at the 3rd International Tropical Agriculture Conference, held at The Brisbane Convention & Exhibition Centre, Brisbane, Australia. November 11-13th, 2019.**
11. **Amuji C.F., Oji F.I., Eze S.C. and Ogbonna P.E. (2016)** The Influence of Intercropping on The Severity of Aphid Pest and Bacteria Blight Disease, Growth and Yield of Two Maize (*Zea Mays*) Varieties. **Paper presented at the 3rd Annual Conference of Crop Science Society of Nigeria, held at University of Nigeria Nsukka, Nigeria. September 27-30th, 2016.**
12. **Amuji C.F., Uguru, M.I, and Ogbonna P.E. (2014)** Correlation and Path analysis of fruits and some agronomic traits in advanced generations of tomato hybrids under derived savannah ecology of Nigera. **Paper presented at the 2nd Annual Conference of Crop Science Society of Nigeria, held at University of Nigeria Nsukka, Nigeria. September 15– 19th, 2014.**
13. **Atugwu, A.I, Amuji, C.F and Uguru, M.I. (2012)** Genetic Progress in Hybrid Population Arising From Interspecific Crosses Between Two *Solanaceae* Species. **Paper presented at the 30th Horticultural Society of Nigeria Conference held at Federal University of Technology, Owerri, Nigeria on November 11-15th, 2012.**

PROFESSIONAL BODY MEMBERSHIP AND AFFILIATION

Horticultural Society of Nigeria (HORTSON) - 12th November 2012 till date

Crop Science Society of Nigeria (CSSN) - 15th September 2013 till date

Australian Society of Plant Scientists (ASPS) - 2019 to 2021

The Japanese Society for Horticultural Science (JSHS) – 2020

PEER JOURNAL REVIEWS

- Secretary, Agro-Science Journal
Website: <https://www.ajol.info/index.php/as/about/editorialTeam>
- Editorial Advisory Board Member, Current Innovation in Agriculture Science (CIAS)
Website: <https://ciasjournal.com/editorial-panel>

LEADERSHIP AND SERVICE

- Secretary, Faculty of Agriculture, University of Nigeria Auxiliary Project Committee- 2023 till date.
- Secretary, Faculty of Agriculture, University of Nigeria Machinery/Equipment/Vehicle Management and Maintenance Committee- 2023 till date.
- Secretary, Local Organising Committee of the First and Second Biennial International Conference on Sustainable Tropical Agriculture and Food Security of the Faculty of Agriculture, University of Nigeria.
- Member, Faculty Agro-Science Journal Committee- 2023 till date.
- Member, Department of Crop Science, University of Nigeria Nsukka's Quality Maintenance Committee- July 2021 till date.
- Advisory Services and Input Consultant (ASIC)-Government of Enugu State of Nigeria Third National Fadama Development Additional Financing Project (World Bank Assisted)-2016 to 2017.
- Financial Secretary, Department of Crop Science, University of Nigeria Nsukka's Staff Welfare Association-2014 to 2017.
- President, Crop Science Students Association, University of Nigeria Nsukka-2008/2009 session.

PROFILE LINKS

- EMPLOYER PROFILE links: <https://staffprofile.unn.edu.ng/profile/654>
- ORCID ID links: <https://orcid.org/0000-0001-8070-2114>
- RESEARCH GATE PROFILE links: <https://www.researchgate.net/profile/Chinedu-Felix-Amuji>
- GOOGLE SCHOLAR PROFILE links:
https://scholar.google.com/citations?view_op=list_works&hl=en&user=E2wFxhoAAAAJ

RECREATIONAL ACTIVITIES

Reading, sports and travelling



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