

CURRICULUM VITAE

AMUJI, CHINEDU FELIX (PhD)

Department of Crop Science, Faculty of Agriculture, University of Nigeria Nsukka, Nigeria.

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EDUCATIONAL QUALIFICATION

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

- <i>Senior Lecturer</i> October 2022- Till date	University of Nigeria, Nsukka, Enugu State, Nigeria
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Responsibilities

1. Coordinator of the 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, 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.

- <i>Research Fellow</i> March 2022-Till date	Resource and Environmental Policy Research Center (REPRC), University of Nigeria Nsukka
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- Lecturer Department of Crop Science, University of Nigeria, Nsukka
February 2015- September 2022

-Demonstrator/Tutor Department of Biological Sciences, Macquarie
University Sydney, Australia
July 2017-December 2017

Responsibilities

Assisting in practical demonstration for the course BIOL 247 (Systems Physiology)

-Assistant Lecturer University of Nigeria, Nsukka, Nigeria
February 2014- February 2015

-Graduate Assistant University of Nigeria, Nsukka, Nigeria
June 2011-February 2014

Responsibilities

1. Assisting in the instruction of students by conducting small discussion groups related to large lecture courses and the like, supervising laboratory periods, workshops etc., assisting by handling equipment, performing demonstrations, clarifying course material or course content for students.
2. Providing assistance to faculty conducting authorized research by collecting and arranging data, developing source materials, summarizing reports, developing and operating research equipment, preparing and caring for research materials, assisting in the conduct of experiments.

-Lecturer College of Agriculture and Animal Science, Bakura, Zamfara State
National Youth Service Corps (NYSC)
July 2010- June 2011

Responsibilities

Lecturing and practical assistantships.

COMPUTER PROFICIENCY

R-programing language, Microsoft Operating System i.e. knowledge in excel, words, power point etc. and LINUX Operating System. Ability to do statistical analysis with R-studio, Genstat, SPSS, Matlab and OriginLab softwares.

AWARDS AND ACHIEVEMENTS

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

-Erasmus Mundus Scholarship under Dream project for MSc. 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

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 Articles

1. 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>
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., Nwoja, A.A. and **Amuji C.F.** (2025). Weed management practices and organic/inorganic fertilizer type's effects on bell pepper (*Capsicum annum* L.) plant growth and fruit yield. *International Journal of Agricultural and Natural Sciences* 18(1): 09-18. DOI: 10.5281/zenodo.15310734
4. 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
5. 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). <https://doi.org/10.57647/ijrowa-hf9y-xc11>
6. 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>
7. 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>
8. 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>
9. 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/applmicrobiol3030062>
10. 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.
11. **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.

12. **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
13. **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
14. **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
15. **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
16. **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.
17. 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.
18. 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.
19. 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
20. **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.
21. **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.
22. 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
23. **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 Ifediniru M.K. (2024). “Minimum quantity of water needed for proper growth and yield of potted bell pepper during the during dry season in Nsukka, Nigeria”. **Paper presented at the 18th Annual Meeting of the EFD held at Nairobi, Kenya. October 3rd -6th, 2024.**

2. **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.**
3. **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.**
4. **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, Nsukka. December 14-18th, 2022.**
5. **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.**
6. **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.**
7. **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.**
8. **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 Nigeria”. **Paper presented at the 2nd Annual Conference of Crop Science Society of Nigeria, held at University of Nigeria Nsukka, Nigeria. September 15– 19th, 2014.**
9. **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 (HORTSIN) - 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

-Project Support/ Research Officer of Regenerative Agriculture for Nigeria. Bureau of Integrated Rural Development (BIRD) FCDO Multi Project-West African Ecosystem Scorecard assessment. Contract No: BIRD 032027. March 2025 – January 2026.

-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=E2wFkhoAAAAJ

RECREATIONAL ACTIVITIES

Reading, sports and travelling

SUPERVISION EXPERIENCE

Student Name	Project Title	Year of Graduation	Degree Awarded
OJI FRANCIS	The Influence of Intercropping on The Severity of Aphid Pest and Bacteria Blight Disease, Growth and Yield of Two Maize (<i>Zea Mays</i>) Varieties.	2016	Bachelor of Agriculture
NWEKE ERNET	Effects of Salinity Stress on Early Growth Stage of Irrigated Fluted Pumpkin (<i>Telfairia Occidentalis</i>).	2021	Bachelor of Agriculture
EZEMA PERPETUAL	Effects of different mulch types on the growth and yield of Sweet Potato (<i>Ipomoea batatas</i> L.) in Derived Savannah Agro-Ecology	2023	Bachelor of Agriculture

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ENUKOLA DIVINE	Agronomic traits response of Fluted Pumpkin to different water regimes	2023	Bachelor of Agriculture
DIMOKWU ANTHONY	Effect of mulching and seed sizes on the growth and yield of Fluted Pumpkin (<i>Telfairia Occidentalis</i> Hook F.) in Nsukka Enugu state, Nigeria	2024	Bachelor of Agriculture
IFEDINIRU MAUDLINE	Effects of fertilizer types and water quantity on the physiological traits of potted bell pepper plant	2024	Bachelor of Agriculture

REFEREES

Professor Michael Ifeanyi Uguru

Professor of Crop Science,
University of Nigeria, 410001 Nsukka,
Nigeria.

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Professor Anthony NwaJesus Onyekuru

Professor of Agricultural Economics,
University of Nigeria, 410001 Nsukka,
Nigeria.

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Email: anthony.onyekuru@unn.edu.ng

Dr. Michael Onyedika Eze

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Department of Chemistry,
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