

Ifeoma Quinette Anugwa

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I am currently a Senior Lecturer in the Department of Agricultural Extension, University of Nigeria, Nsukka, and a Research Fellow at the Resource and Environmental Policy Research Centre, University of Nigeria Nsukka. I have about twelve years of teaching and research experience in agriculture, climate change, environmental economics, digital technologies, food security, gender, rural livelihood and sustainable development. I have worked extensively in some international and national agricultural research projects including, but not limited to the revitalization of agricultural extension training in Africa, climate change awareness, vulnerability and indigenous adaptive capacities, gender-based food security related projects, among others. My international reputation for climate change, food security and gender-based studies has resulted in the award of fellowship, publications in reputable international journals, and travel grants to international conferences.

HIGHLIGHTS

Current Positions	Senior Lecturer, Department of Agricultural Extension, University of Nigeria, Nsukka Research Fellow, Resource and Environmental Policy Research Centre, University of Nigeria, Nsukka Researcher, Gender and Policy Centre, University of Nigeria Nsukka
Previous Appointments	Lecturer in the Department of Agricultural Extension, University of Nigeria Nsukka Visiting Research Fellow, International Food Policy Research Centre, Washington D.C., USA Visiting Research Fellow, Michigan State University, East Lansing, USA
Education	PhD in Agricultural Communication with focus on gender, climate change and food security (2021, University of Nigeria Nsukka). (<i>see pages 2 & 3</i>).
Research Interests	Adoption studies, agricultural communication, agricultural innovation, climate change vulnerability and resilience, digital technologies, environmental policy, environmental economics, extension systems, food security, food system transformation, gender, rural livelihoods, sustainable development, and trans-disciplinary integration
Research Impact	Norman Borlaug Fellowship. Leading or participating in a number of international and national research consortiums (<i>page 2, 3 & 4</i>).
Publications	Have published ~ 44 articles in reputable journals, books and referred proceedings. (<i>see page 4~7</i>).
Teaching	Teach both undergraduate and graduate students at the Department of Agricultural Extension, University of Nigeria Nsukka. (<i>see page 12</i>).
Research Networking	Working cooperatively with a large range of academic researchers and governmental stakeholders in both western and developing countries.
Econometrics and IT skills	Good econometrics knowledge and professional in SPSS and Stata software
Language skills	English – Fluent in communication, reading and writing.

HONOURS, AWARDS & PRIZES

2022	Travel grant awarded by Swedish International Development Cooperation Agency (Sida) to the 16 th EfD Annual Meeting at Kampala, Uganda.
2020	Travel grant awarded by TERI, Adaptation Fund and Swiss Agency for Development and Cooperation to the Adaptation Futures 2020 Conference at New Delhi, India.
2019	Travel grant awarded by DFID and NERC to the African Climate Risk Conference at the United Nations Conference Centre, Addis Ababa, Ethiopia
2018	Travel grant awarded by Queens University Belfast to the Belfast Summit on Global Food Integrity at Belfast, Northern Ireland, United Kingdom
2018	Travel grant awarded by Agilent to the workshop on Rice Fraud at University of Cape Coast, Ghana
2017	Travel grant awarded by USAID to the 3 rd Global Food Security Conference at Cape Town, South Africa
2017	Travel grant awarded by USAID to the 23 rd European Seminar on Extension Education at the Mediterranean Agronomic Institute, Chania, Greece
2016	Travel grant to the 30 th Annual World Food Prize events awarded by USAID at Des Moines Marriot, Iowa, USA.
2016	Small Grants for Thesis Writing awarded by CODESRIA (It was eventually not administered due to paucity of funds).
2014	Spring Fellow of the Norman Borlaug Leadership Enhancement in Agricultural Program (LEAP) awarded by the United States Agency for International Development (USAID). Link: https://borlaugleap.org/fellow/ifeoma-irohibe
2014	Travel grant awarded by TetFund to the 2 nd International Conference on Sustainable Agriculture at San Diego, USA
2013	Travel bursary awarded by INSEE to the 3 rd Annual International Society of Extension Education at Bangalore, India
2013	Travel grant awarded by the African Network of Agriculture, Agroforestry and Natural Resources Education (ANAFE) for a training course on Teaching for Sustainable Development in Higher Education' at Nairobi, Kenya
2013	Travel grant awarded by TetFund to the 14 th Annual Conference of the International Association of Agricultural Information Specialists at Cornell University, New York, USA
2010	Best Graduating Student in the Faculty of Agriculture for the 2008/2009 Session awarded by UAC Nigeria Plc.
2010	Best Graduating Student in the Faculty of Agriculture for the 2008/2009 Session awarded by Chief H.M.I. Ihebih.
2010	Best Graduating Student in the Faculty of Agriculture for the 2008/2009 Session awarded by the University of Nigeria, Nsukka.
2010	Best Graduating Student in the Department of Agricultural Extension , University of Nigeria, Nsukka for the 2008/2009 Session awarded by the University of Nigeria, Nsukka
2003	Most Intelligent Environmental Student in the Department of Environmental Protection and Management , University of Nigeria, Nsukka awarded by the Department of Geography for the 2002/2003 Session.

EDUCATION & QUALIFICATIONS

2014 - 2021	Ph.D. in “Agricultural Communication” (with focus on climate change, food security and gender) Department of Agricultural Extension, University of Nigeria Nsukka, Nigeria. Thesis title: <i>Gender dynamics of farm households' resilience to climate change-induced food insecurity in Anambra State, Nigeria - Distinction grade, CGPA of 5.00/5.00</i>
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2011 - 2013	M.Sc. “Agricultural Communication” (with focus on food security information) Department of Agricultural Extension, University of Nigeria Nsukka, Nigeria. Thesis title: <i>Access and use of agricultural information for improving food security among rural women in Bayelsa State, Nigeria – Distinction grade, CGPA of 5.00/5.00</i>
2004 - 2010	B.Agric “Agricultural Extension” Department of Agricultural Extension, University of Nigeria Nsukka, Nigeria Project title: Assessment of food security situation among rural farming households in Kano State, Nigeria. First Class Honours, CGPA of 4.79/5.00

LEADERSHIP, COMMITTEE MEMBERSHIP & IMPACT

2023 - 2024	Examination Officer, Department of Agricultural Extension, University of Nigeria Nsukka
2022-2023	Guest Editor for a special issue on Climate, Land, Food Security and Sustainable Peace in the Journal <i>Land</i> . Link: https://www.mdpi.com/journal/land/special_issues/land_peace
2022 - date	Research Fellow, Resource and Environmental Policy Research Centre (REPRC), University of Nigeria, Efd, Nigeria
2022 – 2024	Faculty member, Strategic and Partnership/Consultancy Committee, University of Nigeria Nsukka
2022-2024	Faculty member, Research Grant Writing/Career Training Opportunities, University of Nigeria Nsukka
2022 – 2024	Faculty representative, Senate Committee on Timetable Matters, University of Nigeria Nsukka
2021 to date	Editor to the book titled ‘Agricultural Livelihoods in Nigeria’. Publishing house: Reamsworth publishing, Nigeria. Link: https://reamsworthpublishing.com/agricultural-livelihoods-in-nigeria/
2021 to date	Researcher, Gender and Policy Center, University of Nigeria Nsukka
2020-2022	Faculty member, Lecture Series committee, University of Nigeria Nsukka
2018 - 2020	Faculty Member, Strategic partnership/Consultancy committee, University of Nigeria Nsukka
2015 - 2019	Committee Member, University of Nigeria Nsukka Agricultural Project Limited
2015 to date	Research team member, Environmental and Natural Resources Group, University of Nigeria, Nsukka
2015 to date	Academic Adviser, Department of Agricultural Extension
2014 - 2020	Editorial Board Member, Journal of Agricultural Extension
2014 -2018	Departmental Representative, ICT and Webmaster matters, University of Nigeria, Nsukka
2014 - 2015	Departmental Accreditation Matters Representative, University of Nigeria Nsukka
Sept. – Oct. 2014	Visiting Research Fellow, Department of Community Community Sustainability, Michigan State University, East Lansing, USA under the supervision of Professor Murari Suvedi
Oct.- Nov. 2014	Visiting Research Fellow, International Food Policy Research Institute, Washington D.C., USA under the supervision of Professor Suresh Babu
2013 - 2015	Faculty Member, UNESCO (Category II) Biotechnology Programme, University of Nigeria, Nsukka
2011 - 2014	Departmental Librarian, University of Nigeria Nsukka
2011 - 2014	Member, Departmental Welfare Committee, University of Nigeria Nsukka

RESEARCH FUNDING RECORDS

2022 - 2024	Co-Investigator of the Tertiary Education Trust Fund (TetFund) National Research Fund grant. Project title: “Strengthening the capacity of agricultural extension lecturers in teaching competency-based undergraduate curriculum in Nigerian Universities”. Amount won: NGN 20,000,000.00.
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2021 - 2023	Co-Investigator of Partnership for Innovative Research in Africa (PIRA) grant awarded by Alliance for Africa Partnership at Michigan State University, USA. Project title: “Strengthening agricultural extension training in MSU-Alliance for African Partnership Consortium in Africa”. Consortium involves 7 institutions across USA, India, Nigeria, Malawi, Kenya, South Africa and Uganda. Amount won: \$172,226.00. Role: Co-investigator. Link: https://aap.isp.msu.edu/funding/pira/pira-awardees/
2020 - 2021	Research Assistant of the Lagos State Agro-processing, Productivity Enhancement and Livelihood Improvement Support (APPEALS) Project. Project Title: Effective communication channel for APPEAL project beneficiaries in Lagos State, Nigeria
2015 – 2017	Co-investigator of the Tertiary Education Trust Fund (TetFund) Institution Based Research Fund grant. Project title: “Climate change vulnerability and adaptation in riverine communities of Southern Nigeria”. Amount won: NGN 700,000.00.
2014 - 2015	Principal Investigator of the United States Agency for International Development funded Norman Borlaug Leadership Enhancement in Agricultural Programme Fellowship. Project title: Gender-specific livelihood strategies for coping with climate change-induced food insecurity in Southeast Nigeria. Amount won: \$20,000.00.
2013 - 2015	Team member of project proposal development/Team member in financial matters, preparation of training manuals and documentation, data gathering and report writing, organized and trained rural farmers on catfish production technologies of the West Africa Agricultural Productivity Programme implemented in rural communities around the University of Nigeria Nsukka
2010 - 2011	Research Assistant – “Contribution of the small-scale community-owned infrastructure (SCI) and asset acquisition to the attainment of the fadama III project development objective in Ebonyi State, Nigeria’ funded by National Fadama III Project
2009 - 2010	Research Assistant – “Agricultural innovations for climate change adaptation and food security in West Africa: the case of Nigeria, Sierra Leone and Liberia” funded by African Technology and Policy Studies in Collaboration with University of Nigeria, Nsukka
2009 - 2010	Research Assistant – “Development of Programme Monitoring Indicators and Programme Monitoring for Nigeria Cameroon Highway Programme – Sub – Component Monitoring and Evaluation of Program Components in Nigeria” funded by University of Nigeria Nsukka Consultancy Services.
2009 - 2010	Research Assistant – “Highly Pathogenic Avian Influenza (HPAI) control measures, cost-benefit study, Nigeria” funded by International Food Policy Research Institute (IFPRI)/International Livestock Research Institute (ILRI).

PUBLICATIONS

Peer-Reviewed Journal Papers

1.	Okpara, U.T. & Anugwa, I.Q. (2022). Harms to community food security resulting from gender-based violence. <i>Land</i> , 11 (12), 2335. https://doi.org/10.3390/land11122335 (Special Issue ‘Climate, Land, Food Security and Sustainable Peace’)
2.	Amaechina, E.C., Anugwa, I.Q. , Agwu, A.E., Ifelunini, A.I., Umeonuora, T.G. & Okwor, C (2022). Assessing climate change-related losses and damages and adaptation constraints to address them: Evidence from flood-prone riverine communities in Southern Nigeria. <i>Environmental Development</i> , 44, 100780. https://doi.org/10.1016/j.envdev.2022.100780
3.	Ifeoma Q. Anugwa & Samuel Ugwu (2022). Perceived effects of food price inflation on rural household’s food security situation in Enugu State, Nigeria. <i>Innovare Journal of Agricultural Sciences</i> , 10 (1), 7 – 13.
4.	Ifeoma Quinette Anugwa , Esdras Abrewa Remilokoun Obossou, Robert Ugochukwu Onyeneke & Jane Mbolle Chah (2022). Gender perspectives in vulnerability of Nigeria’s agriculture to climate change impacts: a systematic review. <i>Geojournal</i> . DOI: 10.1007/s10708-022-10638-z
5.	Agwu E. Agwu, Ifeoma Q. Anugwa & Chidimma L. Ifeonu (2021). Stemming rural-urban migration through agricultural development: Can Nigeria apply the lessons from the COVID-19 pandemic? <i>Journal of Tropical Agriculture, Food, Environment and Extension</i> , (Special Issue, October, 2021), 20 (4), 36 – 45. DOI: https://dx.doi.org/10.4314/as.v20i4.5
6.	Ifeoma Q. Anugwa , Elizabeth A. Onwubuya, Jane M. Chah, Chisom C. Abonyi & Eleanya K. Nduka (2021). Farmers’ preferences and willingness to pay for climate-smart agricultural technologies on rice production in

Nigeria. <i>Climate Policy</i> , 22 (1), 112 – 131. DOI: 10.1080/14693062.2021.1953435
7. Rebecca Owusu, Ifeoma Quinette Anugwa , Jane Mbolle Chah & Ernest Teye (2021). Consumers' perception of food safety in West Africa. <i>Food Processing and Nutritional Science</i> , 2 (1), 1 – 10.
8. Ifeoma Q. Anugwa , Esther Uzochukwu and Sunday A. Obazi (2021). Knowledge and attitude of farmers toward the adoption of pro-vitamin A bio-fortified cassava in Anambra State, Nigeria. <i>Discovery Agriculture</i> , 7 (17), 101 – 109.
9. Jane, M. Chah, Ifeoma Q. Anugwa and Ifeanyi, M. Nwafor (2020). Factors driving adoption and constraining the non-adoption of orange-fleshed sweet potatoes (OFSP) among farmers in Abia State, Nigeria. <i>Journal of Agriculture and Rural Development in the Tropics and Sub-tropics</i> , 121 (2), 173 – 183.
10. Madukwe, M.C. and Anugwa, I.Q. (2020). Provisions for agricultural extension services in the implementation manuals of the World Bank assisted fadama development projects in Nigeria: Gaps and lessons. <i>Journal of Agricultural Extension</i> , 24 (3), 138 – 151. https://dx.doi.org/10.4314/jae.v24i3.12
11. Anugwa, I.Q. , Agwu, A.E., Suvedi, M. and Suresh, B. (2020). Gender-specific livelihood strategies for coping with climate change-induced food insecurity in Southeast Nigeria. <i>Food Security</i> (2020). https://doi.org/10.1007/s12571-020-01042-x
12. Ifeoma Q. Anugwa and Ogechi B. Nwobodo (2020). Assessment of crop farmers' use of organic farming practices in Enugu State, Nigeria. <i>Journal of Applied Sciences</i> , 20 (2): 83 – 90. DOI: 10.3923/jas.2020.83.90
13. Udoye, C.E., Dimelu, M.U., Anugwa, I.Q. , Ozioko, R.I., Azubuike, F.C. (2019). Actors' satisfaction with poultry value chain approach of the commercial agricultural development project in Enugu State, Nigeria. <i>Journal of Agricultural Extension</i> , 23 (4): 157 – 174. https://dx.doi.org/10.4314/jae.v23i4.17
14. Irenonsen, O.U., Agwu, A.E. and Anugwa, I.Q. (2019). Information needs and challenges of agricultural researchers and extension workers in Edo State, Nigeria. <i>Path of Science</i> , 5 (6): 6001 – 6011.
15. Anugwa, I. Q. and Agwu, A. E. (2019). Perceived causes of household food insecurity and policy implications for food production in Kano State, Nigeria. <i>Journal of Applied Sciences</i> , 19 (6): 513 – 519.
16. Anugwa, I.Q. and Agwu, A.E. (2018). Rural women's information needs and information seeking behaviour on household food security issues in Bayelsa State, Nigeria. <i>International Journal of Agricultural Extension, Special Issue</i> , 29 - 42.
17. Anugwa, I.Q. (2018). Social and cultural barriers to effective agricultural extension service delivery in Nigeria. <i>Agricultural Research and Technology Open Access Journal</i> , 14 (4): 555930. DOI: 10.19080/ARTOAJ.2018.14.555930
18. Anugwa, I.Q. and Audrey, E.R. (2018). Are farmers using agricultural conservation practices for sustainable food production? Insights from land degraded regions in rural areas of Anambra State, Nigeria. <i>Asian Journal of Agricultural Extension, Economics and Sociology</i> , 22 (3), 1 – 14. DOI: 10.9734/AJAEES/2018/39151
19. Jane M. Chah, Ifeoma Q. Anugwa , Cynthia Itodo, Anthonia N. Asadu, Mabel U. Dimelu and Adaku Ezeibe (2018). Gender roles and challenges of village chicken keeping among farmers in Enugu State, Nigeria. <i>Sustainability, Agri, Food and Environmental Research</i> , 6(2): 36 – 49.
20. Eze, C.O., Chah, J.M., Uddin, I.O., Anugwa, I.J. and Igbokwe, E.M. (2017). Biosecurity measures employed by poultry farmers in Enugu State, Nigeria. <i>Journal of Agricultural Extension</i> , 21 (3), 89 – 104. Available online at: https://dx.doi.org/10.4314/jae.v21i3.9
21. Anugwa, I.Q. , Agwu, A.E. and Anyanwu, I.A. (2017). Catfish farmers' perception of training effectiveness of the University of Nigeria, Nsukka-West African Agricultural Productivity Programme. <i>Journal of Agricultural Extension</i> , vol. 21 (2), 129 – 141. Available online at: https://dx.doi.org/10.4314/jae.v21i2.11
22. Anugwa, I.Q. and Agwu, A.E. (2016). Assessment of rural womens' use of food security information in Bayelsa State, Nigeria. <i>Journal of Agricultural and Food Information</i> . Available online at: http://dx.doi.org/10.1080/10496505.2016.1217779
23. Okoro, J.C., Agwu, A.E. and Anugwa, I.Q. (2016). Climate change information needs of rural farmers in Enugu State. <i>Journal of Agricultural Extension</i> , vol. 20 (2), 215 – 233. Available online at: http://dx.doi.org/10.4314/jae.v20i2.16
24. Chah, J.M., Goji, D.C. and Anugwa, I.Q. (2015). Challenges and agricultural extension needs of urban and peri-urban livestock keepers in Benue State, Nigeria. <i>Bulletin of Animal Health and Production in Africa</i> , vol. 63 (3), 313-326.
25. Chah, J.M., Irohibe, I.J. , Itodo, C.E. and Enwelu, I.A. (2015). Information needs of indigenous chicken farmers in Enugu State: Implications for agricultural extension service. <i>British Journal of Applied Science and Technology</i> , vol. 7 (4), pp. 404 – 411. DOI: 10.9734/BJAST/2015/16218
26. Akinagbe O.M. and Irohibe, I.J. (2014). Agricultural adaptation strategies to climate change impacts in Africa: A review. <i>Bangladesh Journal of Agricultural Research</i> , 39 (3): 407 – 418.
27. Chah, J. M., Ani, N. A., Irohibe, I.J and Agwu, A.E. (2014). Exploitation of bush mango (<i>Irvingia wombolu</i>

and <i>Irvingia gabonensis</i>) among rural households in Enugu State. <i>Journal of Agricultural Extension</i> , vol. 18 (2), pp. 44 – 56.
28. Irohibe, I. J. and Agwu, A. E. (2014). Assessment of food security situation among farming households in rural areas of Kano state, Nigeria. <i>Journal of Central European Agriculture</i> . Vol. 15 (1), pp. 94 – 107. DOI: 10.5513/JCEA01/15.1.1418.
29. Nwobodo, C.E, Agwu, A.E. and Irohibe, I. (2013). The role of intra-household water management practices in transforming water resources available for agricultural activities in Benue state, Nigeria. <i>Journal of Agricultural Extension</i> , vol. 17 (2), pp. 136 – 144.
30. Enwelu, I. A., Ugwu, S.T. and Irohibe, I. (2013). Gender roles and challenges of small-scaled processed cashew marketers in Enugu North Senatorial Zone of Enugu State, Nigeria. <i>Journal of Educational and Social Research</i> , vol. 3 (4), pp. 21 – 27.

Book Chapters

31. Agwu Ekwe Agwu, Ifeonu Chidimma Frances, Nwobodo Cynthia Ebere, Anugwa Ifeoma Quinette & Okoro John Chukwuma (2022). Digital approaches in agricultural extension. In. Madukwe, M.C. (ed.): <i>Agricultural Extension in Nigeria</i> (3 rd Edition), ARMTI, Nigeria, 331 – 357.
32. Chah, J.M., Obossou, E.A.R., Ebhuoma, E.E., Anugwa, I.Q. & Ewane, D. (2022). Enhancing climate change adaptation through indigenous knowledge systems and local governance in sub-Saharan Africa: A systematic review. In: Ebhuoma, E.E., Leonard, L. (eds), <i>Indigenous Knowledge and Climate Governance</i> . Sustainable Development Goals Series. Springer, Cham. https://doi.org/10.1007/978-3-030-99411-2_13
33. Anugwa, I.Q. , Agbo, P.C. and Agwu, A.E. (2021). Gender differences in perceived vulnerability and adaptation strategies to climate change effects on arable crop production in Enugu State, Nigeria. In W. Leal et al. (eds.), <i>Handbook of Climate Change Management</i> . Springer Publishers. https://doi.org/10.1007/978-3-030-22759-3_315-1
34. Anugwa, I.Q. , Agwu, A.E., Chah, J.M. and Nwobodo, C.E. (2017). Assessment of rural women's use of information and communication technologies for food security information in the Niger Delta, Nigeria. In: Webb, J. (ed.), <i>Food Security: Threat Factors, Policies and Challenges</i> . Nova Science Publishers, NY, USA, pp. 35 – 48.
35. Agwu, A.E., Irohibe, I. and Adesoji, S.A. (2014). Use of Tobit regression in agricultural extension research. In: Madukwe, M.C. (ed.). <i>A Guide to Research in Agricultural Extension</i> . Agricultural Extension Society of Nigeria, pp. 398 – 416.
36. Agwu, A. E. and Irohibe, I. (2013). Agricultural extension services and climate change adaptation and mitigation in Nigeria. In: Ike Nwachukwu (ed.), <i>Agricultural Extension and Rural Development: Promoting Indigenous Knowledge</i> . Pp. 260 – 271.

Conference Proceedings

37. Anugwa, I.Q. & Ifeonu, C.L. (2021). Agricultural extension strategies for communicating climate smart agricultural technologies: Challenges and lessons learnt. <i>Proceedings of the 5th Middle East International Conference on Contemporary Scientific Studies</i> , 171 – 185.
38. Anugwa, I.Q. , Azih, I.R. & Igbokwe, E.M. (2021). Appraisal of cassava production practices among rural farmers in Enugu State, Nigeria. <i>Proceedings of the 5th Middle East International Conference on Contemporary Scientific Studies</i> , 186 – 204.
39. Anugwa, I.Q. , Iwuchukwu, J.C., Udoeye, C.E., Ifeonu, C.F. & Offiah, C. (2019). Groundnut production practices used by farmers in Nsukka agricultural zone of Enugu State, Nigeria. <i>Proceedings of the 24th Annual National Conference of the Agricultural Extension Society of Nigeria</i> , 269 – 279.
40. Anugwa, I.Q. and Chah, J.M. (2019). Farmers' adaptation strategies to the impacts of climate change on rice production in Anambra State, Nigeria in Bouwer, R. & Owiti, Z. 2019. <i>Proceedings for African Climate Risks Conference 2019</i> , SouthSouthNorth. Cape Town, South Africa
41. Agwu, A.E. and Irohibe, I. (2014). Determinants of rural women's access to food security information in Niger Delta, Nigeria. <i>International Proceedings of 2nd International Conference on Sustainable Environment and Agriculture</i> held at San Diego, USA, 29 – 30 October, 2014, pp.51 – 56. DOI: 10.7763/IPCBE.2014.V76.11
42. Chah, J.M., Irohibe, I. and Itodo, C. (2014). Constraints to indigenous chicken production in Enugu State. <i>International Proceedings of 2nd International Conference on Sustainable Environment and Agriculture</i> held at

San Diego, USA, 29 – 30 October, 2014, pp. 12 – 16. DOI: 10.7763/IPCBE.2014.V76.3

43. Chah, J.M., **Irohibe, I.**, Onwubuya, E.A. and Afiadigwe, T.M. (2013). Beehive installation and management practices among rural people of Nsukka Agricultural Zone of Enugu State, Nigeria. *Proceedings of the 18th Annual Conference of the Agricultural Extension Society of Nigeria*, 5 – 8 May, 2013, pp. 62 – 69.
44. Agwu, A. E, **Irohibe, I. J** and Egbule, C. L. (2011). Review of Nigeria economic environment, international linkages and cooperation in rice agribusiness. *Proceedings of Ebonyi State University Industry Engagement in Rice Agriculture Case Study*, August 2, 2011. Pp. 36 – 46.

Technical Report

45. Agwu, A.E., Egbule, C.L., **Irohibe, I.**, Okoro, J. and Agwu, E.E. (2011). The contribution of the small-scale community-owned infrastructure (SCI) and asset acquisition to the attainment of the fadama III project development objective in Ebonyi State, Nigeria. A report submitted to Ebonyi State Fadama Coordinating Office, Abakiliki, Ebonyi State, Nigeria.

Invited Conferences, Webinars and Seminars

- 16th annual EfD meeting organized by Environment for Development Initiative (EfD) at Speke Resort, Kampala, Uganda and held on September 22 – 26, 2022. Paper presented: **Gender dynamics of farm household's resilience to climate change induced food insecurity in Anambra State, Nigeria.**
- Spotlight Personality Virtual Interview at the International Dialogue Forum on the Prosperity and Peace Nexus in the Context of Increasing Climate, Conflict and Food Insecurity Risks. This event was organized by the University of Greenwich, UK, in collaboration with the Institute for Peace and Conflict Resolution (Ministry of Foreign Affairs, Nigeria) in Abuja on 13 and 14 July, 2022. Presentation made: **Harms to community food security resulting from gender-based violence.**
- 4th international virtual conference of food, agriculture and veterinary sciences at Van Yuzuncu Yil University, Turkey on May 27 – 28, 2022. Papers presented: **Factors driving adoption and constraining the non-adoption of biofortified orange-fleshed sweet potatoes (OFSP) among farmers in Abia State, Nigeria and Gender differences in perceived vulnerability and adaptation strategies to climate change effects on arable crop production in Enugu State, Nigeria.**
- Cultivating Gender Equality conference 2021 virtual conference organized by CGIAR Gender Platform/Wageningen University & Research as EU Gender-Smart partner and held October 12th – 15th, 2021. Conference theme - Cultivating equality: Advancing gender research in agriculture and food systems. Paper presented: **Gender dimensions in perceived vulnerability to the effects of climate change on household food security among farming households in Southeast Nigeria.**
- A virtual policy seminar webinar organized by IFPRI and WASCAL held on 30th September, 2021. Title of webinar is 'Developing resilience to climate change and achieving food security in West Africa. Presentation made: **Climate change, gender and resilience issues emerging from the 2021 United Nations Food Systems Summit.** Link: <https://www.ifpri.org/event/developing-resilience-climate-change-and-achieving-food-security-west-africa-follow-action-un>
- Agri4D 2021 virtual conference organized by Swedish University of Agricultural Sciences (SLU) and held on 30th September, 2021. Paper presented: **'Building organisational resilience to food system transformation during the COVID-19 pandemic: The case of the extension system in Nigeria'**
- Inaugural conference of the African Association of Environmental and Resource Economists, a virtual conference held on 2nd – 4th August, 2021. Panel Discourse on **Farmers' preferences and willingness to pay for climate smart agricultural technologies on rice production in Nigeria.** Link: <https://afaere.org/speakers-and-panelists/>
- 2021 Agriculture, Nutrition and Health Week Research Conference, a virtual conference held on June 29th – July 1st, 2021. Paper presented **'Organisational challenges to food system transformation during the COVID-19 pandemic: The case of the extension system in Nigeria'**
- 2nd Al Farabi International Congress on Applied Sciences, a virtual conference held on May 2nd – 4th, 2021 at Nakhchivan University, Azerbaijan. Paper presented: **Consumers' knowledge about food production systems and their purchasing behaviour in the University of Nigeria Nsukka Community, Enugu State, Nigeria**
- 5th Middle East International Conference on Contemporary Scientific Studies, a virtual conference held 27th – 28th March, 2021 at Ankara, Turkey. Paper presented: **Appraisal of Cassava Production Practices among Rural Farmers in Enugu State, Nigeria.**

- 5th Middle East International Conference on Contemporary Scientific Studies, a virtual conference held 27th – 28th March, 2021 at Ankara, Turkey. Paper presented: **Agricultural Extension Strategies for Communicating Climate Change Forestry Practices: Challenges and Lessons Learnt.**
- 2020 Agriculture, Nutrition and Health Academy Week Research Conference, a virtual conference held on 30th June – July 2nd, 2020. Paper presented: **What Factors Drive Consumer’s Perception of Rice Safety? Insights from Nigeria and Ghana.**
- Africa Climate Risk Conference: Dismantling Barriers to Urgent Climate Change Actions held on 7th – 9th October, 2019 at the United Nations Conference Centre, Addis Ababa, Ethiopia. Papers presented: **Farmers Adaptation Strategies to the Impacts of Climate Change on Rice Production in Anambra State, Nigeria and Gender Dimensions in Perceived Vulnerability to the Effects of Climate Change on Household Food Insecurity in Southeast Nigeria.**
- Belfast Summit on Global Food Integrity held on 28th – 31st May, 2018 at Waterfront Hall, Belfast, Northern Ireland, United Kingdom. Papers presented: **Nutritional Challenges of Agriculture Students in Selected Tertiary Institutions in Enugu State, Nigeria and Causes of Household Food Insecurity- Implications for Food Sustainability in Rural Areas of Kano State, Nigeria.**
- Spring Symposium on revalorizing extension: Evidence and Practice held on 3rd – 4th April, 2018 at University of Illinois, Urbana-Champaign, USA. Paper presented: **A comparative analysis of factors affecting the adoption and non-adoption of orange-fleshed sweet potatoes among farmers in Abia State, Nigeria.**
- 3rd Global Food Security Conference held on 3rd – 6th December, 2017 at Cape Town International Convention Centre, Cape Town, South Africa. Papers presented: **Gender Specific Livelihood Strategies for Coping with Climate Induced Food Insecurity in South east Nigeria and Farmers Use of Soil and Water Conservation Practices – Implications for Sustainable Food Production in Anambra State, Nigeria.**
- 23rd European Seminar on Extension and Education held on 3rd – 7th July, 2017 at Mediterranean Agronomic Institute, Chania, Greece. Paper presented: **Building Resilience for Sustainable Food Production through Agricultural Conservation Practices: Implications for Agricultural Extension Services in Anambra State.**
- 22nd Annual Conference of the Agricultural Society of Nigeria (AESON) held on 23rd – 26th April, 2017 at University of Portharcourt, Rivers State. Paper presented: **Catfish Farmers Perception of the Training Effectiveness of the University of Nigeria Nsukka- West African Agricultural Productivity Programme.**
- 30th Annual World Food Prize events with theme: ‘Let Food be thy Medicine’ held on 10th – 14th October, 2016 at Des Moines Marriott, Iowa, USA. Paper presented: **Are Smallholder Farmers the Answer to Food Security?**
- 4th Annual General Meeting and National Conference with Theme: Challenging New Frontiers in National Agricultural Transformation: Regional Enlightenment held on 10th – 12th July, 2016 at Princess Alexandria Hall, University of Nigeria, Nsukka.
- 2nd International Conference on Sustainable Agriculture and Environment held on 29th – 31st October, 2014 at Courtyard Marriot Hotel, San Diego, USA. Paper presented: **Determinants of Rural Women’s Access to Food Security Information in Bayelsa State.**
- Third Annual Conference of the International Society of Extension Education (INSEE) with theme ‘Extension Educational Strategies for Agricultural Development – A Global Perspective’ held on 5th – 8th December, 2013 at University of Agricultural Sciences, Bangalore, India. Papers presented: **Assessment of Rural Women’s Use of Information and Communication Technologies for Food Security Information in the Niger Delta Region, Nigeria, Manpower and Institutional Constraints in the Public Extension Services of the Agricultural Development Programme, Kogi State, Nigeria and Agricultural Extension Needs of Urban and Peri-urban Livestock Keepers in Benue State, Nigeria.**
- 14th Annual Conference of the International Association of Agricultural Information Specialists (IAALD) with theme ‘Emerging Priorities for Scientific and Agricultural Information’ held on 22nd – 25th July, 2013 at Albert R. Mann Library, Cornell University, Ithaca, New York, USA. Paper presented: **Assessment of Rural Women’s Use of Food Security Information in Bayelsa State, Nigeria.**
- 18th Annual Conference of the Agricultural Extension Society of Nigeria with theme ‘Transforming Nigerian Agriculture through Agricultural Extension’ held on 6th – 8th May, 2013 at Savannah Guest House, Lafia, Nassarawa State. Papers presented: **Assessment of Food Security Situation among Farming Households in Rural Areas of Kano State, Nigeria and Beehive Installation and Management Practices among Rural People of Nsukka Agricultural Zone of Enugu State, Nigeria’.**
- 17th Annual Conference of the Agricultural Extension Society of Nigeria with theme ‘Agricultural extension strategies for climate change adaptation’ held on 12th – 14th March, 2012 at Princess Alexandria Auditorium,

University of Nigeria, Nsukka. Paper presented: **A Review of Agricultural Adaptation Strategies to Climate Change Impacts in Africa.**

Workshop/Training Course Attended

<ul style="list-style-type: none"> • Training of Trainers on ‘Digital climate advisory services (DCAS) for West Africa’ organized by Forum for Agricultural Research in Africa and the Global Center on Adaptation on 8 – 9 December, 2022.
<ul style="list-style-type: none"> • Training on ‘Innovation and scaling readiness’ organized by International Institute of Tropical Agriculture/Wageningen University, Netherlands on 4th April, 2022.
<ul style="list-style-type: none"> • Training on ‘Science communication – Communicating to non scientists, policy makers and the media’ organized by the Training Centre in Communication (Nairobi, Kenya) held at the University of Nairobi, Kenya, 25th – 27th, 2022.
<ul style="list-style-type: none"> • Workshop on ‘Best practices and innovative approaches to peer review’ organized by AfricArXiv, Eider Africa, TCC Africa and PRReview on April 29, May 14 and May 27th, 2021.
<ul style="list-style-type: none"> • Training on Excellence in Peer-Review: How to be an effective peer-reviewer organized by Taylor and Francis Reviewer Training Network on April 19th, 2021.
<ul style="list-style-type: none"> • Workshop on ‘SINCERE flagship action Africa: Research concepts for a joint African-European call on innovative climate services for the African regions’ at the United Nations Conference Centre, Addis Ababa, Ethiopia on 9th October, 2019.
<ul style="list-style-type: none"> • Workshop on ‘How can social protection services become more adaptive? Gathering and synthesising information for enhanced resilience’ at the United Nations Conference Centre, Addis Ababa, Ethiopia on 8th October, 2019.
<ul style="list-style-type: none"> • Workshop on ‘Improve rice integrity and manage food fraud’ at Sasakawa Centre, University of Cape Coast, Ghana on 1st August, 2019.
<ul style="list-style-type: none"> • University of Nigeria Nsukka Center Design Workshop: Applying human-centered design to innovation in African higher education organized by Michigan State University in collaboration with the University of Nigeria Nsukka between 13th – 15th September, 2018.
<ul style="list-style-type: none"> • Training on the use of Landinfo Mobile App technology for improving agricultural productivity and climate change resilience conducted on March 29, 2018 at University of Nigeria, Nsukka by African Technology Policy Studies Network (ATPS).
<ul style="list-style-type: none"> • Second Outreach Programme on Food Security and Biotechnology in Africa organized by the EDULINK-FSBA Project Group held at the South-East Zonal Biotechnology Centre, National Biotechnology Development Agency (NABDA), University of Nigeria, Nsukka on 17th November, 2016.
<ul style="list-style-type: none"> • Automated Journal Management System (AJMS) training organized by the Agricultural Extension Society of Nigeria (AESON) held between 8th and 10th December, 2014 at New Royal Hotel, Lokoja, Kogi State.
<ul style="list-style-type: none"> • Workshop on ‘Climate Change Impacts on Agriculture and Food Security: Implications for Developing Climate Resilient Agriculture Programs’, held on 30th October, 2014 in USAID office, Washington D.C., USA.
<ul style="list-style-type: none"> • Workshop on ‘Side Effects of Risk Coping Instruments in Dryland – An Exploration Using Agent-Based Modelling’ held on 28th October, 2014 at IFPRI office, Washington D.C., USA.
<ul style="list-style-type: none"> • Workshop on ‘Methodologies for Measuring Resilience’ held on 5th November, 2014 at IFPRI office, Washington D.C., USA
<ul style="list-style-type: none"> • Climate Change Research and Policy Symposium with theme ‘Optimizing Research and Research Impact for Climate Change Adaptation in Africa’ organized by Africa Climate Change Adaptation Initiative, University of Nigeria, Nsukka (ACCAI-UNN) held at UBA Hall of Fame, University of Nigeria, Nsukka on 22nd July, 2014.
<ul style="list-style-type: none"> • Outreach Programme on Food Security and Biotechnology in Africa organized by the EDULINK-FSBA Project Group held at the South-East Zonal Biotechnology Centre, National Biotechnology Development Agency (NABDA), University of Nigeria, Nsukka on 20th May, 2014.
<ul style="list-style-type: none"> • Training course on ‘Teaching for Sustainable Development in Higher Education’, organized by the African Network of Agriculture, Agroforestry and Natural Resources Education (ANAFE) held at The Kenya School of Monetary Studies, Nairobi, Kenya between 13th and 18th May, 2013.
<ul style="list-style-type: none"> • Inaugural Seminar on Biotechnology, held at the Princess Alexandria Auditorium, University of Nigeria, Nsukka on 7th February, 2013.
<ul style="list-style-type: none"> • Workshop on Climate change adaptation strategies and policies, held at the Princess Alexandria Auditorium, University of Nigeria, Nsukka on 5th December, 2012.
<ul style="list-style-type: none"> • Workshop on Trans-disciplinary research methods, curriculum for building climate change adaptation skills and

review of proposals for grant, held at the Princess Alexandria Auditorium, University of Nigeria, Nsukka on 23 rd and 24 th April, 2012.
<ul style="list-style-type: none"> • Workshop on Concept and principles of trans-disciplinarity, teaching methods in the University system and skills in writing research proposal on climate change adaptation, held at the Princess Alexandria Auditorium, University of Nigeria, Nsukka on 12th – 14th March, 2012. • Professional Training Programme in Project Management (IT) organized by Exousia Computer Academy, Akure, Ondo State between March and May, 2011. • Stakeholders’ consultation and sensitization workshop on climate change challenges and adaptation mechanism in Enugu State, Nigeria held at African Institute for Applied Economics (AIAE), Enugu on 17th June, 2010. • A role modelling event on institutionalizing mentoring amongst UNN academic staff sponsored by African Women in Agricultural Research and Development (AWARD) and held at the University of Nigeria, Nsukka on 8th June, 2010. • Workshop on UNN Talks Climate Change organized by the African Technology Policy Studies Network (ATPS) held at the Centre for Entrepreneurship and Rural Development (CEDR) on 3rd December, 2009.

OTHER PROFESSIONAL ACTIVITIES

Reviewer of the following journals: Food Security; Environment, Development and Sustainability (EDS); Journal of Environmental Planning and Management (JEPM); Journal of International Agricultural Extension and Education (JIAEE); and Journal of Agricultural Extension (JAE). Link: https://publons.com/wos-op/researcher/4203539/ifeoma-anugwa/
Co-organizer – “International dialogue forum on the prosperity and peace nexus in the context of increasing climate, conflict and food insecurity risks” held 13 – 14 July, 2022 in conjunction with the University of Greenwich, UK and Institute for Peace and Conflict Resolution, Ministry of Foreign Affairs, Abuja, Nigeria.
Assistant Secretary, Local Organizing Committee of the 4 th Annual Conference/AGM of the Nigerian Women in Agricultural Research and Development (NIWARD)
Assistant Secretary, Local Organizing Committee of the 12 th Annual Conference of the Agricultural Extension Society of Nigeria, University of Nigeria, Nsukka
Member of Welfare Matters, Local Organizing Committee of the 12 th Annual Conference of the Agricultural Extension Society of Nigeria, University of Nigeria, Nsukka
Member of Scientific and Technical Matters, Local Organizing Committee of the 12 th Annual Conference of the Agricultural Extension Society of Nigeria, University of Nigeria, Nsukka
Member, Alliance for African Partnership Bridge (2020 – Present)
Member, Agriculture, Nutrition and Health Academy (2020 – Present)
Member, Global Forum for Agricultural Advisory Services (2019 – Present)
Affiliate Member, International Society for Development and Sustainability, Japan (2017 – Present)
Member, American International Association of Agricultural Extension Educators (2015 – Present)
Member, Food Security International Network (FSIN) (2014 – Present)
Member, Asian-Pacific Chemical, Biological and Environmental Engineering Society (APCBEES) (2014 – Present)
Member, International Association of Agricultural Information Specialists (IAALD) (2013 – Present)
Life Member, International Society of Extension Education (INSEE), Nagpur, India (2013 – Present)
Life Member, Maharashtra Society of Extension Education (MSEE), Maharashtra, India (2013 – Present)
Member, Agricultural Extension Society of Nigeria (AESON) (2012 – Present)

TEACHING & SUPERVISION

Supervising PhD students as co-supervisor

Chinwe Egbunonu, on-going (Co-supervised with Professor Edwin Igbokwe) – “Gender perspectives in agricultural adaptation strategies to climate change impacts in Nigeria”.

Supervising M.Sc students as co-supervisor

Nwokorie Uchechi, completed (Co-supervised with Professor Agwu Ekwe Agwu) – “Effectiveness of ICT use
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among actors in the cassava value chain in Abia State'. Graduate date: July, 2019

Supervising B.Agric students

Anih Bright Chiamaka, Igbo Chinazo Geraldine, Ochogu Ozioma Lynda & Esiobu Kosy Afoma, B.Sc – “Perceived effects of COVID-19 on rural and urban households in Enugu State, Nigeria”. Graduation Date: November, 2022
Udoh, Favour Munachi, Thecla Chioma & Onwuka Emmanuel, B.Sc – ‘Farmers’ perception and willingness to use digital agricultural extension services in Enugu State, Nigeria’. Graduation Date: November, 2022
Ugwu Joy Chidimma, Okoro Chidimma Lilian & Ohale, Precious B.Sc – ‘Perception of extension personnel towards the relevance of digitalization of agricultural extension services in Anambra, Enugu and Ebonyi States’. Graduation Date: November, 2022
Agu, Olivia Ebere & Ugwu James Ifeanyi, B.Sc – “Analysis of farmers’ attitude and their behavioural intentions to adopt climate smart agricultural technologies in Enugu State”. Graduation date: August, 2021.
Eboh, Chioma Cynthia & Ezeh Ifeoma Theresa, B.Sc – “Gender analysis of urban consumers’ food safety knowledge and behaviour in Enugu State, Nigeria”. Graduation date: August, 2021.
Anikwe Goodness Ogadinma & Nwokolo Benedicta, B.Sc – “Access and use of climate information service among livestock farmers in Enugu State”. Graduation date: August, 2021.
Agbo Chinyere Victoria, B.Sc Sc (Co-supervised with Professor Elizabeth Onwubuya) – “Gender perspectives of the adaptive capacity of smallholder farming systems to climate change effects in Enugu State”. Graduation date: September, 2019.
Odo Emmanuel Chukwuweike, B.Sc. – “Consumers’ knowledge about food production systems and their purchasing behaviour in the University of Nigeria Nsukka Community, Enugu State”. Graduation date: September, 2019.
Onuchukwu Ogochukwu Theresa & Nneoma Ike, B.Sc (Co-supervised with Dr. Jane Chah) – “Pig farmers attitude and adaptive behaviour to climate change risk in Anambra and Enugu States.” Graduation date: September, 2019.
Obasi Ikenna, B.Sc – “Gender perspectives in willingness to adopt and retain orange-fleshed sweet potatoes in Ebonyi State”. Graduation date: September, 2019.
Uzochukwu Chiwendu Esther, B.Sc – “Knowledge and attitude of farmers towards the adoption of biofortified pro-vitamin A cassava in Anambra State”. Graduation date: September, 2018.
Abonyi Chisom, B.Sc (Co-supervised with Professor Elizabeth Onwubuya) – “Farmers preferences and willingness to pay for climate smart technologies on rice production in Anambra State”. Graduation date: September, 2018
Ugwu Samuel, B.Sc – “Effects of food price inflation on household food security in Enugu State”. Graduation date: August, 2017.
Ali Christaina Ukamaka, B.Sc (Co-supervised with Professor Elizabeth Onwubuya) – “Food purchasing behaviour and food security status of agricultural extension students in tertiary institutions of Enugu State”. Graduation date: August, 2017.
Nwafor Ifeanyi Miracle, B.Sc (Co-supervised with Dr. Jane Chah) – “A comparative study of adopters and non-adopters of orange flesh sweet potatoes production technologies in Abia State”. Graduation date: August, 2017.
Anyanwu Ijeoma, B.Sc (Co-supervised with Professor Agwu Ekwe Agwu) - Farmers’ perception of the effectiveness of UNN-WAAPP training on catfish production in Enugu State”. Graduation date: August, 2016.
Ezeh Audrey Raluchukwu, B.Sc. – “Farmers’ use of agricultural conservation practices in Anambra State”. Graduation date: August, 2015
Nwobodo Ogechi, B.Sc – “Assessment of farmers’ use of organic farming practices in Enugu State”. Graduation date: August, 2015.
Offiah, Charity Chinelo, B.Sc (Co-supervised with Dr. Juliana Iwuchukwu) – “Assessment of groundnut production practices among rural farmers in Nsukka agricultural zone of Enugu State”. Graduation date: August, 2015
Azih Ifeoma, B.Sc (Co-supervised with Professor Edwin Igbokwe) – “Appraisal of cassava production practices among rural farmers in Enugu State”. Graduation date: August, 2015.
Agbo Precious Chinenye, B.Sc (Co-supervised with Professor Agwu Ekwe Agwu) – “Vulnerability and adaptation strategies to climate change impacts on agriculture across gender in Enugu State”. Graduation date: August, 2014.
Nwotite Ogechi, B.Sc – “Farmers’ use of information and communication technologies in rice production in Anambra State”. Graduation date: August, 2014.
Itodo Cynthia, B.Sc (Co-supervised with Dr. Jane Chah) – “Characterization of indigenous chicken production in Enugu State, Nigeria”. Graduation date: August, 2013.

Teaching at Department of Agricultural Extension, University of Nigeria Nsukka:

Module	Level	Role in Module
Design of Agricultural Extension Research	Postgraduate	Module tutor
Programme Planning in Agricultural Extension	Postgraduate	Module tutor
Communicating Climate Change in Agriculture	Postgraduate	Module tutor
Agricultural journalism	Postgraduate	Module tutor
Photography and Documentation in Agriculture	Postgraduate	Module tutor
Statistics and Research Methods	Final Year Undergraduate	Module tutor
Communication and Diffusion of Innovations	Final Year Undergraduate	Module tutor
Agricultural Extension Practicals	Fourth Year Undergraduate	Module co-cordinator
Extension Teaching Methods	Third Year Undergraduate	Module tutor
Philosophies and Principles of Agricultural Extension	First Year Undergraduate	Module Developer & Co-ordinator
Psychology in Extension	First Year Undergraduate	Module Developer & Co-ordinator

REFEREES

<p>Professor Agwu, Ekwe Agwu Department of Agricultural Extension, University of Nigeria, Nsukka ekwe.agwu@unn.edu.ng +2348034024251</p>	<p>Professor Murari Suvedi Department of Community Sustainability, Natural Resources Building, Michigan State University 480 Wilson Road East Lansing, MI 48824 USA. suvedi@anr.msu.edu Tel: 517-432-0265; FAX: 517-432-3597</p>
<p>Professor Suresh Babu International Food Policy Research Institute 2033, K Street, NW Washington DC 20006 USA. s.babu@cgiar.org 202-862-5618</p>	<p>Professor Saweda Liverpool-Tasie Department of Agricultural, Food and Resource Economics, 211B Justin Morill Hall of Agriculture, Michigan State University, East Lansing, USA. lliverp@msu.edu</p>
<p>Dr. Kristin Davis International Food Policy Research Institute 2033, K Street, NW Washington DC 20006 USA. K.Davis@cgiar.org</p>	<p>Dr. Uche Okpara Natural Resource Institute University of Greenwich, United Kingdom. U.T.Okpara@greenwich.ac.uk</p>