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| **Research Group informationA** |  |
| **Name of Research Group (RG)** | Food Security and Sustainable Environment Research Group |
| **Address of Research Group** | Department of Agricultural Economics UNN |
| **Main research focus and other areas of research interest of the RG** | Agriculture, food security, environment, policy and development research, and advocacy |
| **Title of most recent research project** | Understanding consumer behaviour and incentive based policy option for plastic waste reduction in Nigeria |
| **A maximum of seven (7) other current or completed research projects** | Gender based analysis of the impact of COVID 19 pandemic on income and food security of households in Nigeria 2023  Policy research partnership for pragmatic evaluation for climate change adaptation and development models in Agricultural Energy sector in Africa 2023  Estimation of Participation and welfare impacts of REDD+ community-based pilot projects in Nigeria 2022  Assessing climate smart Agricultural Practices in Nigeria 2021  Eco-regional assessment and mapping of climate change impact and adaptation in West Africa 2019  Impact of climate extreme even on the incidence of poverty in Nigeria, sponsored by Climate Analytics, Germany,2016 |
| **Name of the Coordinator** | Prof essor NwaJesus Anthony Onyekuru |
| **UNN email address of RG** | [fosserg.research@unn.edu.ng](mailto:fosserg.research@unn.edu.ng) |
| **UNN email address of the coordinator** | [anhony.onyekuru@unn.edu.ng](mailto:anhony.onyekuru@unn.edu.ng) |
| **Current webpage of the RG** | <https://www.unn.edu.ng/food-security-and-sustainable-environment-research-group/> |
| **Phone number of the RG** | 08163189534 |
| **Phone number of the coordinator** | 08163189534 |
| **Bank Account Number** | Fidelity Bank 4011034291 |
| **Base Faculty/Institute/Center of the RG** | Faculty o Agriculture |
|  |  |
| **Department of the Coordinator** | Department of Agricultural Economics |
| **Last Name** | Onyekuru |
| **Other Names** | NwaJesus Anthony |
| **Brief profiles** | NwaJesus Anthony Onyekuru is a Professor of Resource and Environmental Economics. He holds a National Diploma in Agricultural Technology, then a first class bachelors degree in Agricultural Economics, an MSc in Resource and Environmental Economics, both from the University of Nigeria and a Ph.D in Environmental Science from the University of York, UK, under the Commonwealth Scholarship Commission.   He is a staff of the Department of Agricultural Economics where he has been engaged in teaching and research for over 5 years. He is also a Senior Research Fellow of the Resource and Environmental Policy Research Centre, EfD of the University of Nigeria.   His areas of specialization are project management, climate change impact and adaptation modelling and policy, environmental assessment, Monitoring and valuation, feasibility study / analysis and policy analysis |
| **UNN website url to detailed CV** | https://www.efdinitiative.org/about-efd/people/onyekuru-nwajesus-anthony |
| **Google Scholar Citation links** | <https://scholar.google.com/citations?user=IyY-blAAAAAJ&hl=en> |
| **Research gate links** | https://www.researchgate.net/profile/Nwajesus-Onyekuru |
| **Last Name** | Ichoku |
| **Other Names** | Ementa Hyacinth |
| **Brief profiles** | Ichoku, Ementa Hyacinth is a Professor of Economics with the Department of Economics, University of Nigeria, Nsukka, currently on leave to Veritas University, Abuja. He is  a Senior Research Fellow in EfD Nigeria.  He is a Development Micro-economist with strong interest in Health Economics, Public Finance and Environment. His  academic training started with degrees in philosophy and Divinity in 1984 and 1988, respectively. He obtained a Masters and Ph.D degrees from the University of Cape Town, South Africa, in 2000 and 2006, respectively He has taught and published over 40 papers in international peer reviewed journals in the fields of health economics and development microeconomics. |
| **UNN website url to detailed CV** | https://www.efdinitiative.org/about-efd/people/ichoku-ementa-hyacinth |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=CXWs95AAAAAJ&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Hyacinth-Ichoku |
| **Last Name** | Eboh |
| **Other Names** | Eric |
| **Brief profiles** | Eric Eboh is a Professor of Agricultural Economics, University of Nigeria, Nsukka (UNN) since 2002 and member, Policy Advisory Panel, Resource and Environmental Policy Research Centre (REPRC), UNN. He is also a Senior Research Fellow in EfD Nigeria.  His special research interests include sustainable resource management, agro-environmental economics, agricultural value chain, agribusiness, policy assessments and impact evaluation |
| **UNN website url to detailed CV** | https://www.efdinitiative.org/about-efd/people/eboh-eric |
| **Research gate links** | https://www.researchgate.net/scientific-contributions/Eric-Eboh-2055745820 |
| **Last Name** | Nwosu |
| **Other Names** | Emmanuel |
| **Brief profiles** | Professor Emmanuel O. Nwosu is a graduate of the Department of Economics, UNN with first class honours degree in Economics. In 2005, he obtained masterâ€™s degree in monetary economics from the same university and was appointed assistant lecturer in the Department of Economics in 2007. He was selected for the Joint Japan/World Bank Graduate Scholarship in 2007 for a two-year Master of Arts in Economic Policy Management (with major in International Development) at the Graduate School of Humanities and Social Sciences, University of Tsukuba, Japan. He completed PhD in Development in Economics in 2013 at the University of Nigeria. Nwosu was promoted to the rank of Professor in 2021. He has taught graduate and undergraduate courses for more than 15 years. He was the Acting Head, Department of Economics between August 2020 and July 2022. He is a researcher at the African Economic Research Consortium (AERC), Nairobi Kenya, a researcher at the Partnership for Economic Policy (PEP), University of Laval, Canada; a researcher at the Center for Environmental and Economic Policy in Africa (CEEPA) University of Pretoria and was a Visiting Scholar at the International Monetary Fund (IMF), Washington D.C in 2011. He is a Senior Research Non-Resident Fellow at the Centre for the Study of Economics of Africa (CSEA), Abuja Nigeria. He has served as a Policy Analyst at the Office of the Minister of Finance and Coordinating Minister for the Economy, and Senior Technical Assistant PERL-ARC Economist Programme, for the Staff of the Political and Economic Affairs Office at the Office of the Secretary to Government of the Federation (SGF). His areas of research interest include Development Microeconomics (health economics, poverty, gender, and income distribution), Environmental Economics, Migration and Economic Policy. He has won a number of research grants and has published many articles in highly rated and well indexed journals, and has attended many national and international research conferences. |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=lWeXPX0AAAAJ&hl=en |
| **Research gate links** | <https://www.researchgate.net/profile/Emmanuel-Nwosu> |
| **Last Name** | Ume |
| **Other Names** | Chukwuma |
| **Brief profiles** | Chukwuma Ume is a lecturer at the department of Agricultural Economics, University of Nigeria. He is currently doing his PhD at the Center for International Development and Environmental Research, Justus Liebig University, Germany. He holds a master's degree in Environment and Development from the sustainability research institute, University of Leeds, and bachelorâ€™s degree in Agricultural Economics (First Class and overall best graduating student of the University, 2013/2014 session). He was awarded the Right Livelihood Junior Research Scientist Award in Environmental and resource management by the Centre for Environment and Development Research/ Zentrum fÃ¼r Entwicklungsforschung (ZEF) UN-Campus University of Bonn. His current research focuses on Agroecology and modelling of Socio-Ecological Systems. |
| **UNN website url to detailed CV** | https://www.unn.edu.ng/internals/staff/viewProfile/MzgwMQ--/8 |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=HQlZfe4AAAAJ&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Chukwuma-Ume |
| **Last Name** | Oranu |
| **Other Names** | Chizoba Obianuju |
| **Brief profiles** | Oranu, Chizoba Obianuju is a lecturer in the Department of Agricultural Economics, University of Nigeria, Nsukka. Her research interest is in forestry, fishery, gender, climate change and welfare analysis. |
| **UNN website url to detailed CV** | https://www.unn.edu.ng/internals/staff/viewProfile/NDY3OQ-- |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=5\_kGgbsAAAAJ&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Chizoba-Oranu |
| **Last Name** | Ugwuanyi |
| **Other Names** | J. Kelechi |
| **Brief profiles** | J. Kelechi Ugwuanyiâ€™s research interest is critical heritage studies, cultural landscapes, indigenous knowledge systems, museum, and contemporary archaeology. His past research explored the negotiation between global heritage discourse and existing beliefs and value systems in the context of the village arena or â€˜squareâ€™ (a cultural and historical landscape) among the Igbo of southeast Nigeria. Kelechi has also studied human-nature relational ontologies focusing particularly on human-tree and human-animal connectivity in the same region of Nigeria. His current research at the Global Heritage Lab, University of Bonn revisits the originating communities of ethnographic archives collected from Africa during colonialism to re-engage members of the descendant communities through the lens of sacred landscapes to understand their changing significance in the present. Kelechi is a postdoctoral research fellow at the University of Bonn and a senior lecturer at the University of Nigeria, Nsukka. He had his PhD in heritage studies from the University of York and an MA in Cultural Resource Management and Tourism, a BA in Archaeology and Tourism as well as a Diploma in Tourism and Museum Studies from the University of Nigeria. He is a co-editor of the Journal of African Cultural Heritage Studies and sits on the editorial board of the Studies in Contemporary and Historical Archaeology in Theory book series published by the Archaeopress in Oxford. |
| **UNN website url to detailed CV** | http://www.archy-tourism.unn.edu.ng/wp-content/uploads/sites/295/2021/07/Dr.-J.-Kelechi-Ugwuanyi-for-UNN-Website.pdf |
| **Google Scholar Citation links** | <https://scholar.google.com/citations?user=DcSnjmYAAAAJ&hl=en> |
| **Research gate links** | <https://www.researchgate.net/profile/J-Kelechi-Ugwuanyi-2> |
| **Last Name** | Onyenekwe |
| **Other Names** | Sylvia Chinasa |
| **Brief profiles** | Dr. Chinasa Sylvia Onyenekwe is a lecturer and a researcher in the Department of Agricultural Economics, University of Nigeria. Her research interests are in the broad area of production economics and farm management, natural resource and environmental economics and specifically in climate change, pollution, energy issues; Gender and Development; agrifood systems, poverty and food security issues and Rural Development issues. She obtained both her bachelorâ€™s and masterâ€™s degree from University of Nigeria where she graduated with First Class Honours Division. She later proceeded to University of Ghana for her doctoral degree in Applied Agricultural Economics and Policy which she obtained in 2018. Her PhD thesis was on the effects of climate shocks, environmental degradation and resource conflict on agricultural livelihoods and food security. Her professional experience include teaching, supervision, as well as conducting research on various societal issues. Also, she has experience in handling administrative duties having chaired some committees and served as member in several others. She has published papers in both local and international peer-reviewed journals as well as attended and presented papers in national and international academic conferences. She belongs to several professional bodies such as International Association of Agricultural Economists (IAAE), Nigeria Association of Agricultural Economists (NAAE), Agricultural Policy Research Network (APRNet). She can be reached via her email address chinasa.onyenekwe@unn.edu.ng and her mobile number +2348036545790; +2349012654333. |
| **UNN website url to detailed CV** | https://www.unn.edu.ng/internals/staff/viewProfile/MzI0 |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=N-dT\_aEAAAAJ&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Chinasa-Onyenekwe |
| **Last Name** | Ihemezie |
| **Other Names** | Eberechukwu Johnpaul |
| **Brief profiles** | Eberechukwu Ihemezie is a Lecturer at the Department of Agricultural Economics, University of Nigeria, Nsukka. He holds a masterâ€™s degree in Environment and Development from the University of Leeds (Distinction) and a Bachelor of Agriculture in Agricultural Economics from the University of Nigeria, Nsukka (First class honours). He is currently doing his PhD programme at the Sustainability Research Institute, School of Earth and Environment, University of Leeds. His PhD in Environmental Economics focuses on understanding the influence of human values on forest conservation.   Ebere has diverse research interests around sustainable environment and food security. His work employs an interdisciplinary mixed-methods approach from both the natural and social sciences. His specific research areas include economic valuation, human values, naure conservation, agro-environmental systems, food security, and natural resource management. His research has been published in reputable academic journals and presented at various local and international conferences.   Ebere has also won many academic awards, such as the Commonwealth Doctoral and Masters Scholarships, Faculty and Departmental best-graduating student, and other institutional academic awards. |
| **UNN website url to detailed CV** | http://www.unn.edu.ng/internals/staff/viewProfile/Mzcw |
| **Google Scholar Citation links** | https://scholar.google.com/scholar?hl=en&as\_sdt=0%2C5&q=eberechukwu+ihemezie&oq=Eb |
| **Research gate links** | https://www.researchgate.net/profile/Eberechukwu-Ihemezie |
| **Last Name** | Nnadi |
| **Other Names** | Onyinyechi |
| **Brief profiles** | Dr Nnadi, is a Lecturer in Department of Agricultural Extension, University of Nigeria and a Research fellow in Resource and Environmental Policy Research Center. She obtained her PhD (in Natural Resource Assessment and Management) from University of Dar es Salaam Tanzania in 2019. She also obtained her Master of Science (in Agricultural Planning and Evaluation) with CGPA of 5.0/5.0 and a Bachelorâ€™s degree (in Agricultural Extension and Innovation) with First Class Honors from University of Nigeria Nsukka. She was an Intern (Global African Food Security Project Analyst) in African Development Bank. Her areas of research interest include: Natural resources management; Agricultural projects evaluation; Climate change, gender and environmental development and rural livelihoods. She has engaged in planning, organizing and evaluating training and outreach programs for farmers in many communities around the University of Nigeria Nsukka. She has attended international and local conferences and workshops and above 20 research publications in peer-reviewed Journals. She obtained training in website management under the sponsorship of Agricultural Extension Society of Nigeria. She has worked extensively in managing of the website for Agricultural Extension Society of Nigeria. She has supervised many undergraduate studentsâ€™ projects in agricultural extension, communication and project evaluation. |
| **UNN website url to detailed CV** | https://www.unn.edu.ng/internals/staff/viewProfile/NDY0Mw-- |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=x7c0EUoAAAAJ&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Onyinyechi-Nnadi |
| **Last Name** | Ike |
| **Other Names** | Uzoamaka Chinweoke |
| **Brief profiles** |  |
| **UNN website url to detailed CV** | https://www.unn.edu.ng/internals/staff/viewProfile/MzMx |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=KKCb2EgAAAAJ&hl=fi |
| **Last Name** | Chukwudi |
| **Other Names** | Uchechukwu Paschal |
| **Brief profiles** | Dr Uchechukwu Chukwudi is an African scientist in his early career who is dedicated to advancing solutions for the African continent and beyond. At the University of Nigeria's Department of Crop Science, he taught research designs and experiments to undergraduates and postgraduates. In addition to lecturing on agricultural statistics, he assists students and researchers with multivariate data analysis and interpretation using R programmes and other statistical tools.  His research interests focused on sustainable crop production in a changing climate. It also includes the effects of abiotic stressors on cereal grain quality, the conversion of agricultural wastes into farm input, and the enhancement of seed security.  Dr Chukwudi has a strong track record of publication in prestigious international peer-reviewed journals. He was a student leader and the Crop Science Society of Nigeria's first national assistant secretary. He is a member of the Nigerian Institute of Management, the International Society of Tropical Root Crops - Africa Branch, the Horticultural Society of Nigeria and the Southern Africa Horticultural Science Society. He had presented research papers at both national and international conferences. |
| **UNN website url to detailed CV** | <https://www.efdinitiative.org/about-efd/people/onyekuru-nwajesus-anthony> |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=IyY-blAAAAAJ&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Emmanuel-Nwosu |
| **Last Name** | Mukaila |
| **Other Names** | Ridwan |
| **Brief profiles** | Mr. Ridwan Mukaila is a Lecturer in the Department of Agricultural Economics, University of Nigeria, Nsukka. He obtained his Master of Science degree in Agricultural Economics from the University of Nigeria with Distinction in 2021 and a Bachelor of Agriculture from the University of Ilorin in 2016. Ridwan has presented several papers at scientific conferences, both locally and internationally. He has also published in various reputable peer-reviewed journals. |
| **UNN website url to detailed CV** | http://staff.unn.edu.ng/staff/NDY4Nw== |
| **Google Scholar Citation links** | https://scholar.google.com/citations?user=YmC9qRSPu5UC&hl=en |
| **Research gate links** | https://www.researchgate.net/profile/Ridwan-Mukaila?ev=hdr\_xprf |
| **Last Name** | AMUJI |
| **Other Names** | CHINEDU FELIX |
| **Brief profiles** | Dr. Chinedu Felix Amuji is a Lecturer in the Department of Crop Science, Faculty of Agriculture, University of Nigeria Nsukka, Nigeria. Dr. Felix obtained his Doctor of Philosophy (PhD) degree from Macquarie University Sydney, Australia. Prior to the doctoral training, Felix had earlier obtained two masterâ€™s degrees, of which the latest one was on Advanced Technologies for Agroforestry Development from University of Valladolid Spain. The first masterâ€™s degree was on Crop Production from University of Nigeria Nsukka. In addition, he is a recipient of many awards/scholarships including, the international Research Training Program (iRTP) Scholarship for PhD studies at Macquarie University, Sydney Australia (2017 -2020); Erasmus Mundus Scholarship under Dream project for Masterâ€™s degree studies in Advanced Technology for Agroforestry Development at University of Valladolid Spain (2014- 2015); Federal Government of Nigeria Scholarship for undergraduates (2009); Best Graduating Student, Department of Crop Science, University of Nigeria Nsukka (Bachelor of Agriculture degree, 2010), First Class Honours (Crop Science, University of Nigeria). Felix has presented his research works in a number of national and international conferences, and have published in various peer-reviewed journals. |
| **UNN website url to detailed CV** | http://www.unn.edu.ng/internals/staff/viewProfile/NjU0 |
| **Google Scholar Citation links** | https://scholar.google.com/citations?view\_op=list\_works&hl=en&user=E2wFxhoAAAAJ |
| **Research gate links** | https://www.researchgate.net/profile/Chinedu-Felix-Amuji |
| **Last Name** | Onyekuru |
| **Other Names** | Blessing O |
| **Brief profiles** | Blessing O Onyekuru Has a National Diploma in Mass Communication, a B A in Mass  Mass Communication from the University of Nigeria Nsukka. She also has an M A in Film Production from the York St Johns University UK and an M A in Theatre and Film Studies from the University of Nigeria. She is an E-Tutor with the Centre for E and Distant learning of the University of Nigeria Nsukka |
| **Last Name** | Agu |
| **Other Names** | Amarachi Jacinta |
| **Brief profiles** | I am a young and dedicated Agricultural Economist interested in research towards sustainable agricultural, bioeconomic modeling and analysis, farm-level modeling, and land use management. |

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| **Last Name** | Akukwe |
| **Other Names** | Thecla Iheoma |
| **Brief profiles** | Dr. Thecla I. Akukwe is a Senior Lecturer in the Department of Geography, University of Nigeria, Nsukka. She obtained her BSc (First Class Honours) and MSc (Distinction) degrees in Geography from the University of Nigeria, and holds a PhD in Environmental Planning and Management from the University of Nairobi, Kenya. She too short courses in Flood Risk Management and Environmental Planning and Implementation from the IHE Delft Institute for Water Education, The Netherlands in addition to participating in Refreshers’ courses organised by the same Institute. Dr. Thecxcla won the University of Nigeria and Chief Enoch Ifediora Oli Prizes for the best graduating student in the Department of Geography for the 2006/2007 session. She also was awarded a Full-time doctoral scholarship under the Transdisciplinary Training for Resource Efficiency and Climate Change Adaptation in Africa II (TRECCAfrica II) programme in 2015 and has won several international travel grants. She has published several peer-reviewed papers and has attended quite a number of local and international workshops and conferences. Her research interests are centered around; Flood Risk Management, Food security/insecurity, flood vulnerability and adaptation, Climate Change and Sustainable livelihoods, Natural resources and sustainable development, Environmental Impact Assessment (EIA). |
| **UNN website url to detailed CV** | <http://www.unn.edu.ng/internals/staff/viewProfile/MzMyOA--/1> |
| **Google Scholar Citation links** | <https://scholar.google.com/citations?user=SGnUw6kAAAAJ&hl=en> |
| **Research gate links** | <https://www.researchgate.net/profile/Thecla-Akukwe> |
| **Last Name** | **Onyia** |
| **Other Names** | **Chukwuemeka Chiebonam** |
| **Brief profiles** | Dr Chukwuemeka, is a Lecturer in Department of Agricultural Economics, University of Nigeria and a Research fellow in Resource and Environmental Policy Research Center. He obtained a PhD in Natural Resource and Environmental Economics from University of Nigeria in 2020. He also obtained his Master of Science in Natural Resource and Environmental Economics from University of Nigeria in 2015 and a Bachelor’s degree from University of Nigeria Nsukka in 2010. He is currently an early career research fellow in Environment for Development (EFD).  He has published several peer-reviewed papers and has attended quite a number of local and international workshops and conferences. His research interests are centered around; Waste Management, pollution control, flood vulnerability and adaptation, Climate Change and Sustainable livelihoods, Natural resources and sustainable development, and Energy transitions |
| **UNN website url to detailed CV** | **https://www.unn.edu.ng/internals/staff/viewProfile/MzgxNg--** |
| **Google Scholar Citation links** | <https://scholar.google.com/citations?user=GayfP5sAAAAJ&hl=en> |
| **Research gate links** | <https://www.researchgate.net/profile/Onyia-Chukwuemeka> |
| **Publications** | Onyekuru, N. A., Ihemezie, E. J., Ezea, C. P., Apeh, C. C. and Onyekuru, B. O. (2023) Impacts of Ebola Disease Outbreak in West Africa: Implications for government and Public Health Preparedness and Lessons from COVID-19. *Scientific African* 19, e01513  Onyia, C. C., Okpukpara B. C and Onyekuru, N A (2022) Poultry waste management and willingness of farmers to pay for biogas production in South East Nigeria. *Journal of Animal and Plant Science.* 42 (4), 494-499.  **Onyekuru N.A.,** Marchant R., Ihemezie E.J. (2021) Forest Resource Use and Management in Nigeria: Implications for Implementation of REDD+ for Climate Change Mitigation in West Africa. In: Leal Filho W., Luetz J., Ayal D. (eds) *Handbook of Climate Change Management.* Springer, Cham.[https://doi.org/10.1007/978-3- 030- 22759-3\_54-1](https://doi.org/10.1007/978-3-%09030-%0922759-3_54-1)  Ume, C., **Onyekuru, N. A** and P. I. Opata (2021).Gender and Climate Change Adaptation among Rural Households in Nigeria. *African Handbook of Climate Change Adaptation.* Springer Nature DOI: [10.1007/978-3-030-42091-8\_182-1](https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.1007%2F978-3-030-42091-8_182-1)  Umeh, C. O., Enete, A. A., Onyekuru, N. A., and Opata, P. I. (2020).Evaluation of agribusinessperformance in Nigeria.*Africa Journal of Management* 6 (4).  <https://doi.org/10.1080/23322373.2020.1830690>  Onyekuru, N. A.,Ezea, C. E.,Umeh, C. U. and Chukwuma, N. (2020).Effects of Ebola virus disease outbreak on bush meat enterprise and environmental health risk behaviour among households in South-East Nigeria. *The Journal of Primaryprevention*  <https://doi.org/10.1007/s10935-020-00619-8>  Onyekuru, B. O., Onyekuru, N. A., Ihemezie, J., Nwokorie, U. M. and Ukonu, M. (2020). Effectiveness of the use of movies in climate change communication: Empirical evidence from York, United Kingdom. *Quarterly Review of Film and Video.* <https://doi.org/10.1080/10509208.2020.1778424>Taylor and Francis.    Onyekuru, N. A., Eboh, E. C. and Ume, C. O. (2020). Effects of Relative Pricing of Alternative Cooking Energy Sources on Their Substitution: A Comparative Analysis of Rural and Urban Households of Enugu State, Nigeria. *Journal of Agricultural Extension*. Vol. 24, No. 1. [https://www.efdinitiative.org/publications/effects-relativepricing-alternative-cooking-energy-sources-their-substitution](https://www.efdinitiative.org/publications/effects-relative-pricing-alternative-cooking-energy-sources-their-substitution)    Baya, B. B., Nzeadibe, T. C., Nwosu, E. O., & Uzomah, N. L. (2019). Climate change, food   insecurity and household adaptation mechanisms in Amaro Ward, Southern Region of Ethiopia. Journal of Agricultural Extension and Rural Development, 11(5), 106-113. <https://academicjournals.org/journal/JAERD/article-abstract/E2B34F760920>  Nnadi, O.I., Lyimo, J., Liwenga, E. & M.C. Madukwe, (2022).. Gender Perspectives of Responses to Climate Variability and Change among Farm Households in Southeast N igeria. Environmental Management. https://doi.org/10.1007/s00267-022-01748-y |