

REFERENCES

- ADOFU, I., SHAIBU, S. O., & YAKUBU S. (2013). The Economic impact of improved agricultural technology on cassava productivity in Kogi State of Nigeria. *International Journal of Food and Agricultural Economics*, 1(1), 63-74. <https://www.foodandagriculturejournal.com/63.pdf>
- ADEYONU, A. G., BALOGUN, O. L., AJIBOYE, B. O., OLUWATAYO, I. B., & OTUNAIYA, A. O. (2019). Sweet potato production efficiency in Nigeria: Application of Data Envelopment Analysis. *AIMS Agriculture and Food*, 4(3), 672–684. <https://www.aimspress.com/article/doi/10.3934/agrfo.2019.3.672>
- AFOLAMI, C. A., OBAYELU, A. E., & VAUGHAN, I. I. (2015). Welfare impact of adoption of improved cassava varieties by rural households in South Western *Agricultural and Food Economics*, 3(18). <https://doi.org/10.1186/s40100-015-0037-2>
- AL-HASSAN, S. (2008). Technical efficiency of rice farmers in Northern Ghana, AERC Research Paper 178. <https://ideas.repec.org/p/aer/wpaper/178.html>
- AL MAMUN, A., FAZAL, S. A., & MUNIADY, R. (2019). Entrepreneurial knowledge, skills, competencies and performance: a study of micro-enterprises in Kelantan, Malaysia, *Asia Pacific Journal of Innovation and Entrepreneurship*, 13(1), 29-48. <https://www.emerald.com/insight/content/doi/10.1108/APJIE-11-2018-0067/full/html>
- AHMADZAI, H. (2017). Crop diversification and technical efficiency in Afghanistan: stochastic frontier analysis, CREDIT Research Paper, No. 17/04, The University of Nottingham, Centre for Research in Economic Development and International Trade (CREDIT), Nottingham. <https://www.nottingham.ac.uk/credit/documents/papers/2017/17-04.pdf>
- AHMED, M.A. (2020). Profitability and socio-economic analysis: evidence from rice production in Lake Geriyo of Adamawa State, Nigeria. *FUW Trends in Science & Technology Journal*, 5(2), 360-363. <http://www.ftstjournal.com/Digital%20Library/52%20Article%208.php>
- AIGNER, D. J., LOVELL, C. A. K., & SCHMIDT, P. (1977). Formulation and estimation of stochastic frontier production function models, *Journal of Econometrics*, 6(1), 21-37. [http://dx.doi.org/10.1016/0304-4076\(77\)90052-5](http://dx.doi.org/10.1016/0304-4076(77)90052-5)
- AJAH, J., & AJAH, F. C. (2012). Socioeconomic determinants of small scale rice farmers' output in Abuja. *Asian Journal of Rural Development*, 4(1), 16-24. <https://dx.doi.org/10.3923/ajrd.2014.16.24>
- ARELLANO, C. A., & DELOS REYES, J. A. (2019). Effects of farmer-entrepreneurial competencies on the level of production and technical efficiency of rice farms in Laguna, Philippines. *J. ISSAAS* 25, 45-57. <http://issaasphil.org/wp-content/uploads/2019/11/5.-Arellano-Delos-Reyes-2019-entrepreneurial-competencies-FINAL.pdf>
- ATAEIA, P., KARIMI, H., GHADERMARZIC, H., & NOROUZID, A. (2020). A conceptual model of entrepreneurial competencies and their impacts on rural youth's intention to launch SMEs. *Journal of Rural Studies*, 75, 185-196. <https://doi.org/10.1016/j.jrurstud.2020.01.023>
- BALOGUN, O. L., & OBI-EGBEDI, O. (2012). Resource use efficiency and productivity of cocoa farmers in Idanre LGA of Ondo State, Nigeria. *American Journal of Social and Management Sciences*, 3, 60-67. [10.5251/AJSMS.2012.3.2.60.67](https://doi.org/10.5251/AJSMS.2012.3.2.60.67)
- BAMIRO, O. M., & ALORO, J. O. (2013). Technical efficiency in swamp and upland rice production in Osun State. *Scholarly Journal of Agricultural Science*, 3(1), 31-37.
- BARNEY, J. (1991). Firm resources and sustained competitive advantage. *Journal of Management*, 17(1), 99-120. <https://journals.sagepub.com/doi/10.1177/014920639101700108>
- BERGEVOET, R. H. M., GIESEN, G. W. J., SAATKAMP, H. W., VAN WOERKUM, C. M. J., & HUIRNE, R. B. M. (2005). Improving entrepreneurship in farming: the impact of a training programme in Dutch Dairy Farming. Invited Paper Presented at the 15th Congress of the International Farm Management Association (IFMA), Developing Entrepreneurship Abilities to Feed the World in a Sustainable Way. Campinas, Brasil, August 14 to 19, 2005. <http://ageconsearch.umn.edu/bitstream/24219/1/cp05be02.pdf>
- CHIDIEBERE-MARK, N., OHAJIANYA, D., OBASI, P., & ONYEAGOGCHA, S. (2019). Profitability of rice production in different production systems in Ebonyi State, Nigeria, *Open Agriculture*, 4(1), 237–246. <https://doi.org/10.1515/opag-2019-0022>
- FEDERAL MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT (FMARD). (2013). Agricultural transformation agenda (ATA) 2013 score card. Federal ministry of agriculture and rural development, Nigeria. From <https://www.fmard.gov.ng>
- FIELD, A. (2005). *Discovering statistics using SPSS*. 2nd Edition. Sage, London.
- FAO. (2017). A Database of the food and agriculture organisation of the United nations (FAO). <http://faostat.fao.org>. (Retrieved on 11 May 2019).
- FORTUNATO, M. W. P. (2014). Supporting Rural entrepreneurship: a review of conceptual developments from research to practice. *Community Development*, 45(4), 387-408, 387–408. <https://doi.org/10.1080/15575330.2014.935795>
- HAIR, J. F., SARSTEDT, M., HOPKINS, L., & KUPPELWIESER, V. (2014). Partial least squares structural equation modeling (PLS-SEM) An Emerging Tool in Business Research. *European Business Review*, 26(2), 106-121. <http://dx.doi.org/10.1108/EBR-10-2013-0128>
- INUWA, I. M. S., KYIOGWOM, U. B., ALA, A. L., MAIKASUWA, M. A., & IBRAHIM, N. D. (2011). Profitability analysis of rice processing and marketing

- in Kano State, Nigeria. *Nigerian Journal of Basic and Applied Science*, 19(2), 293298. <https://www.ajol.info/index.php/njbas/article/view/73902>
- JONDROW, J., LOVELL, C. A. K., MATEROV, I. S., & SCHMIDT, P. (1982). The estimation of technical inefficiency in the stochastic frontier production function model. *Journal of Econometrics*, 19(2-3), 233 – 238. [https://doi.org/10.1016/0304-4076\(82\)90004-5](https://doi.org/10.1016/0304-4076(82)90004-5)
- JORDAAN, H., & GROVÉ, B. (2012). An economic analysis of the contribution of water use to value chains in agriculture (No 1779/1, p. 12). WRC Report. http://ifmaonline.org/wp-content/uploads/2015/12/15_Jordaan_etal_2_P180-188.pdf
- KRASACHAT, W. (2017). Technical inefficiency of chili farms in Thailand. Contributed paper prepared for presentation at the 91st Annual Conference of the Agricultural Economics Society, the Royal Dublin Society, Dublin, Ireland. April 24 to 26, 2017.
- KROPPD, F. and LINDSAY, N. J. (2001). South African Business Dynamics: Measuring entrepreneurship, *Journal of African Business* 2(1), 23–45. https://doi.org/10.1300/J156v02n01_03
- KURATKO, D. F., & AUDRETSCH, D. B. (2009). Strategic Entrepreneurship: Exploring Different Perspectives of an Emerging Concept. *Entrepreneurship Theory and Practice*, 33(1), 1-17. <https://doi.org/10.1111/j.1540-6520.2008.00278.x>
- MAN, T.W.Y., LAU, T., & SNAPE, E. (2008). Entrepreneurial competencies and the performance of small and medium enterprises: An investigation through a framework of competitiveness, *Journal of Small Business & Entrepreneurship*, 21(3), 257-276. <https://doi.org/10.1080/08276331.2008.10593424>
- MCELWEE, G. (2006). Farmers as Entrepreneurs: Developing Competitive Skills. *Journal of Developmental Entrepreneurship*, 11(3), 187-206. https://www.academia.edu/252528/Farmers_As_Entrepreneurs_Developing_Competitive_Skills
- MENSAH, A. C., & DADZIE, J. (2020). application of principal component analysis on perceived barriers to youth entrepreneurship. *American Journal of Theoretical and Applied Statistics*, 9(5), 201-209. <https://doi:10.11648/j.ajtas.20200905.13>
- NABISWA, F., & MUKWA, J. S. (2017). Impact of credit financing on human resource development among micro and small enterprises: a case study of Kimilili Sub County, Kenya. *Asian Journal of Management Science and Economics*, 4(1), 43-53. <http://www.multidisciplinaryjournals.com/wp-content/uploads/2017/01/Full-Paper-IMPACT-OF-CREDIT-FINANCING-ON-HUMAN-RESOURCE-DEVELOPMENT.pdf>
- NASUREDIN, J., HALIPAH, A., & SHAMSUDIN, A. (2016). Entrepreneurial competency and SMEs performance in Malaysia: Dynamic capabilities as mediator. *International Journal of Research*, 3(14), 4759-4769. <http://edupediapublications.org/journals/index.php/IJR/>
- NIEUWOUDT, S., HENNING, J. I. F. & JORDAAN, H. (2017). ‘Entrepreneurial competencies and financial performance of farmers in South Africa’, *South African Journal of Economic and Management Sciences*, 20(1), a1640. <https://doi.org/10.4102/sajems.v20i1.1640>
- NORTON, G. W., ALWANG, J., & MASTERS, W. A. (2014). Economics of agricultural development: world food systems and resource use (3rd ed.). Madison, Ave. New York: Routledge.
- OGUNSUMI, L. O., AJAYI, A., AMIRE, C. M., & WILLIAMS, S. (2013). Sustainability of agricultural transformation agenda: The place of rice farmers in Ogun State, Nigeria. *Research on Humanities and Social Sciences*, 13(3), 66-78. <https://www.iiste.org/Journals/index.php/RHSS/article/view/7133/7415>
- OTEH, O. U., AGWU, N. M., OKPOKIRI, C., ANIUGA, C., & ANI, L. O. (2018). Agricultural rice production and marketing in Nigeria: assessing regulatory agencies’ role in positioning made in Nigerig Goods. *Nigerian Journal*, 49(2), 143-151. <http://www.ajol.info/index.php/naj>
- OPOLOT, H. N., ISUBIKALU, P., BONTON, B., OBAA, B., & EBANYAT, P. (2018). Influence of university entrepreneurship training on farmers’ competences for improved productivity and market access in Uganda. *Cogent Food and Agriculture*, 4(1), 1469211. <https://doi.org/10.1080/23311932.2018.1469211>
- OTUNAIYA, A. O., BAMIRO, O. M., & ADEYONU A. G. (2015). Determinants of technical efficiency differentials among users and non-users of fertilizer: a case of food crop farmers in South-western Nigeria. *Tropical Agriculture*, 92(4), 271-281. <https://journals.sta.uwi.edu/ta/>
- RAJABI, R., BRASHEAR-ALEJANDRO, T., & CHELARIU, C. (2018). entrepreneurial motivation as a key salesperson competence: trait antecedents and performance consequences. *Journal of Business and Industrial Marketing*, 33(4), 405-416. <https://www.emerald.com/insight/content/doi/10.1108/JBIM-12-2016-0278/full/html>
- SAMBASIVAN, M., LI-YEN, L., CHE-ROSE, R., & ABDUL, M. (2010). Venture performance in Malaysia: personal initiative, human capital, and competency areas of founding entrepreneurs as critical success factors. *Journal of Small Business and Entrepreneurship*, 23(3), 315-332. <https://doi.org/10.1080/08276331.2010.10593488>
- SCUOTTO, V., DEL GIUDICE, M., BRESCIANI, S., & MEISSNER, D. (2017). Knowledge-driven preferences in informal inbound open innovation modes: an explorative view on small to medium enterprises. *Journal of Knowledge Management*, 21(3), 640-655. <https://doi.org/10.1108/JKM-10-2016-0465>
- SHER, A., MAZHAR, S., ABBAS, A., IQBAL, M. A., & LI, X. (2019). Linking entrepreneurial skills and opportunity recognition with improved food distribution in the context of the CPEC: A Case of Pakistan. *Sustainability*, 11(7), 1838; <https://doi.org/10.3390/su11071838>

SHIH, W. L., & TSAI, C. Y. (2016). The effects of knowledge management capabilities on perceived school effectiveness in career and technical education. *Journal of Knowledge Management*, 20(6), 1373-1392. <https://doi.org/10.1108/JKM-12-2015-0515>