

THE IMPACT OF FOREIGN DIRECT INVESTMENT ON AGRICULTURAL OUTPUT IN NIGERIA

**A thesis submitted to the Othman Yeop Abdullah Graduate School of Business, University
Utara Malaysia, in Partial Fulfillment of the Requirement for the Master of Economics.**

**BY
KABIR USMAN YUSUF**

© KABIR USMAN YUSUF, 2015. All rights reserved.

PERMISION TO USE

In presenting this dissertation in partial fulfillment of the requirements for a Post Graduate degree from the Universiti Utara Malaysia (UUM), I agree that the Library of this university may make it freely available for inspection. I further agree that permission for copying this dissertation in any manner, in whole or in part, for scholarly purposes may be granted by my supervisor(s) or in their absence, by the Dean of Othman Yeop Abdullah Graduate School of Business where I did my dissertation. It is understood that any copying or publication or use of this dissertation parts of it for financial gain shall not be allowed without my written permission. It is also understood that due recognition shall be given to me and to the UUM in any scholarly use which may be made of any material in my dissertation.

Request for permission to copy or make other use of materials in this thesis, in whole or in part should be addressed to:

Dean of Othman Yeop Abdullah Graduate School of Business

Universiti Utara Malaysia

06010 UUM Sintok

Kedah Darul Aman

ABSTRACT

This study examines the impact of Foreign Direct Investment on Agricultural output in Nigeria from 1970-2012 using an autoregressive distributed lag (ARDL) model. Data were sourced from the National Bureau of statistic (NBS), Central Bank of Nigeria (CBN), and the World Development Indicators. Results from the analysis reveal that Foreign Direct Investment, Government expenditure and Exchange rates in the period under study have significant positive effects on Agricultural output, whereas Interest rates and Inflation variables have negative effect on Agricultural output, although the Inflation rate is not significant. Increase in volume of Foreign Direct Investment is recommended, Government and other stakeholders should seek Foreign Direct Investment. It is also recommended to improve macroeconomic policies that will encourage agricultural sector productivity in Nigeria.

ABSTRAK

Kajian ini mengkaji kesan Pelaburan Asing Langsung terhadap output pertanian di Nigeria dari 1970-2012, menggunakan model autoregressive distributed lag (ARDL). Data adalah bersumberkan dari National Bureau of Statistic (NBS), Bank Negara Nigeria (CBN), dan World Development Indicators. Keputusan dari analisis menunjukkan bahawa Pelaburan Asing langsung, Perbelanjaan Kerajaan dan Pertukaran Asing dalam tempoh kajian mempunyai kesan signifikan terhadap output pertanian, manakala pembolehubah -pembolehubah kadar faedah dan inflasi mempunyai kesan negative terhadap output pertanian, walaupun kadar inflasi tidak signifikan. Pertambahan dalam pelaburan pertukaran asing akan menambah baik polisi makroekonomi dan akan meningkatkan daya pengeluaran dalam sektor di Nigeria.

DEDICATION

I dedicate this work to my primary source, the Almighty God who has made it easy for me to carry out this study.

ACKNOWLEDGEMENT

All glory is to almighty God, who has blessed me with this opportunity and given me the ability to get this work done. My sincere appreciation goes to the my supervisor in the person of Prof. Kuperan Viswanathan for showing so much interest in the smooth running of my studies and my overall wellbeing in Malaysia. I also wish to acknowledge all the staff of school Economics, University Utara for their coordination and timely assistance whenever needed.

I cordially thank my family for all their support and encouragement, I also wish to express my humble thanks to my colleagues and friends especially my senior colleagues Ali Ibrahim Sani, Idris Idrisa, Muhammad Auwal Ishaq and Muhammad Umar.

TABLE OF CONTENTS

PERMISSION TO USE	i
ABSTRACT.....	iii
ABSTRAK.....	iv
DEDICATION.....	v
ACKNOWLEDGEMENT	vi
TABLE OF CONTENTS.....	vii
LIST OF TABLES.....	xi
LIST OF FIGURES	xii
CHAPTER ONE: INTRODUCTION.....	1
1.1 BACKGROUND OF THE STUDY	1
1.2 NIGERIAN-AGROECOLOGICAL-ZONES.....	3
1.3 WHAT IS FOREIGN DIRECT INVESTMENT.....	4
1.4 FOREIGN DIRECT INVESTMENT IN AFRICA	5
1.5 ANALYSIS OF FDI IN DIFFERENT SECTORS IN NIGERIA	7
1.6 CONTRIBUTION OF NIGERIAN AGRICULTURAL SECTOR.....	7
1.7 PUBLIC EXPENDITURE ON NIGERIAN AGRICULTURAL SECTOR	9
1.8 FOOD SECURITIES IN NIGERIA	11
1.9 OVER-VIEW OF NIGERIAN AGRICULTURAL SUB-SECTOR.....	12
1.9.1 CROPS.....	13
1.9.2 FISHERIES.....	14
1.9.3 LIVESTOCK	14
1.9.4 FORESTRY	14

1.10 STATEMENT OF THE PROBLEM	15
1.11 RESEARCH QUESTION.....	20
1.12 OBJECTIVE OF THE STUDY	20
1.13 SIGNIFICANCE OF THE STUDY	20
1.14 SCOPE AND LIMITATION OF THE STUDY	21
1.15 ORGANIZATION OF THE STUDY	22
CHAPTER TWO: AGRICULTURAL POLICIES IN NIGERIA	23
2.1 PRE-OIL BOOM ERA (1961-1969).....	23
2.2 OIL-BOOM ERA (1970-1985).....	24
2.3 STRUCTURAL ADJUSTMENT PROGRAM (SAP) (1986-1994).....	25
2.4 POST SAP ERA (1995-1999).....	26
2.5 CURRENT DEMOCRATIC REGIMES (1999 TO DATE).....	26
CHAPTER THREE: LITERATURE REVIEW	27
3.1 INTRODUCTION.....	27
3.2 THEORY OF FOREIGN DIRECT INVESTMENT	27
3.2.1 THE NATURAL RESOURCES SEEKING FDI.....	28
3.2.2 MARKET SEEKING FDI	29
3.3 EMPIRICAL REVIEW.....	30
3.3.1 INTRODUCTION	30
3.3.2 PUBLIC EXPENDITURE	30
3.3.3 FOREIGN DIRECT INVESTMENT.....	32
3.3.4 INFLATION.....	39
3.3.5 EXCHANGE RATES	40

3.3.6 INTEREST RATES.....	41
3.4 SUMMARY	42
CHAPTER FOUR: METHODOLOGY	43
4.1 INRODUCTION	43
4.2 THEORETICAL FRAMEWORK	43
4.3 ECONOMETRIC TECHNIQUES	45
4.3.1 UNIT ROOT TEST	45
4.3.2 CO-INTEGRATION TEST.....	46
4.4 GRANGER CAUSALITY TEST	48
4.5 MEASUREMENT OF VARIABLES	49
4.5.1 GOVERNMENT EXPENDITURE.....	49
4.5.2 EXCHANGE RATES	49
4.5.3 INTEREST RATES.....	50
4.5.4 INFLATION.....	50
4.5.5 FOREIGN DIRECT INVESTMENT.....	50
4.6 SOURCES OF DATA.....	51
CHAPTER FIVE: ANALYSIS AND DISCUSION OF THE RESULT.....	52
5.1 INTRODUCTION.....	52
5.2 UNIT ROOT TEST:.....	53
5.3 VECTOR ERROR CORRECTION MODEL (VECM).....	59
CHAPTER SIX: CONCLUSION AND RECOMMENDATION.....	61
6.1 INTRODUCTION	61
6.2 SUMMARY	61

6.3 POLICY RECOMMENDATIONS.....	62
6.4 RECOMMENDATION FOR FURTHER STUDY	63
6.5 CONCLUSION	63
REFERENCES	65
APPENDIX.....	75

LIST OF TABLES

TABLE	TITTLE	PAGE
TABLE 1.1	QUANTITY AND GROWTH OF AGRICULTURAL PRODUCTION	13
TABLE 5.1	AUGMENTED DICKEY FULLER TEST	52
TABLE 5.2	ARDL BOUND TEST FOR CO-INTEGRATION	53
TABLE 5.3	LONGRUN AND SHORT-RUN ESTIMATES	54
TABLE 5.4	DIAGNOSTIC TEST OF THE LONG-RUN EQUILIBRIUM MODEL	55
TABLE 5.5	GRANGER CAUSALITY ON EUVECM	58

LIST OF FIGURES

FIGURE	TITTLE	PAGE
FIGURE 1.1	MAP OF NIGERIA	2
FIGURE 1.2	NIGERIAN-AGROECOLOGICAL ZONE	4
FIGURE 1.3	TOP 10 DESTINATION OF FDI IN AFRICA	6
FIGURE 1.4	CONTRIBUTION OF FDI IN AFRICA	8
FIGURE 1.5	COMPARISON OF PUBLIC EXPENDITURE	10
FIGURE 1.6	VALUE OF IMPORTATION	11
FIGURE 5.1	PLOT OF CUMMULATIVE SUM OF RECURSIVE RESIDUALS	56
FIGURE 5.2	PLOT OF CUMMULATIVE SUM OF SQUARES OF RECURSIVE RESIDUALS	56

CHAPTER ONE: INTRODUCTION

1.1 BACKGROUND OF THE STUDY

The federal republic of Nigeria is in west Africa between latitude 4° to 14° North and between longitudes $2^{\circ} 2'$ and $14^{\circ}30'$ East, in the North the country is bounded by the Niger and Chad Republic, to the South by the Atlantic Ocean; in the East by the Cameroon Republic – the country takes its name from its popular river, the Niger. Nigeria has a land area of about 923 769 km^2 (FOS, 1989); the surface area of Nigeria is 91.07 million hectares, 57% of which is believed to be either crop or pastures, while the remaining 43% is divided amongst forest, water bodies and other uses. West breadth is about 800km and the North-South length is 1450km. the total land boundary is 4,047km whereas the coastline is 853km. The irrigated land is estimated at 9570 km^2 with an arable land area of 33%; pasture 44%, crops 3%, forest 12% in the west and others 8% (FMEN, 2001).

The contents of
the thesis is for
internal user
only

REFERENCES

- Adeolu, B.A., (2007). FDI and Economic Growth: Evidence from Nigeria. *African Economics Consortium*, No. 165.
- Adewumi, M.O & omotesho, O.A. (2002). An Analysis of Production Objectives of Small-scale Rural Farming Households in Kwara state, Nigeria. *Journal of Rural Development*. 25, 201-211.
- Adams, S. (2009). Can Foreign Direct Investment help to Promote Growth in Africa? *African Journal of Business Management*, 5(3) 178-183.
- Ahmad, H. (1998). Responses in output to monetary shocks and the interest rate: a rational Expectations model with working capital. *Economic letters*, 61(1998): 351-358
- Amassoma, J.D., Nwosa, P.I & Ofere, A.F. (2011). The nexus of interest rate deregulation, lending rate and Agricultural productivity in Nigeria. *Current research Journal of Economic theory*, 3(2):53-61
- Adefeso, H.A. (2012). Determinants of foreign direct investment inflows in Nigeria: An empirical investigation. *International Business Magement*, 6(3):83-89
- Adewumi, S.A. (2002). Resource Use Productivity in Food Crop Production in Kwara State, Nigeria. PHD. Thesis, Department of Agricultural Economics, University of Ibadan
- Adewuyi, S.A & Okunmadewa, F.Y (2001). Economic Efficiency of Small Scale Farmers in Ogun, State. Nigeria. *Nigerian Agricultural Development studies* 28(2) 43-58
- Anyanwu, J.C. (1998). An Econometric Investigation of the Determinants of Foreign Direct Investment in Nigeria. Annual Conference. *Nigerian Economic Society*.
- Aribisala, O.A (1993). Raw material Revolution and impact on industrialization in Nigeria. *Mednetpublications*. ISBN 978-024-000-4
- Akinlo, A.E. (2004). Foreign direct investment and growth in Nigeria: An empirical investigation. *Journal of Policy Modeling*, 26 (3) 627-639.

- Alfaro, L., Arendam, C., Sebrem, K.O & Selin, S. (2006). How does foreign direct investment promote Economic Growth? Exploring the Effects of Financial Markets on Linkages. *NBER working paper* No. 12522
- Amitava, K. D., (1997).The Pattern of Direct Foreign Investment and Economic Growth. *World development*, 25 (11) 1925-1936.
- Asiedu, E. (2002). On the Determinants of Foreign Direct Investment to Developing Countries: Is Africa Different? *World Development*, 30 (1) 107-119.
- Ammani, A.A.(2011).Impact of market-determined exchange rates on rice production and Imports in Nigeria. *International Journal of food and Agricultural Economics*, 1(2):85-98
- Ayanwale, A.B & Bamire, S. (2004). Direct Foreign Investment and Firm-Level Productivity in the Nigerian Agro/agro-allied Sector. *Journal of Social Sciences*, 9(1) 29-36
- Akpan, S.B & Udoh, E.J (2009). Estimating relative price variability and inflation rate movement in different Agricultural policy regimes in Nigeria. *Humanity and Social science Journal* 4(2):107-113
- Asian development Bank (ADB), (2011). Global Food price inflation and developing Asia. *Asian Development Bank*
- Abiodun,O., Folawewo, N., & Olokojo, S.A (2010). Determinants of Agricultural Export in Oil Exporting Economy: Empirical Evidence from Nigeria. *Journal of Economic Theory*, 4(4):84-92
- Azman-sani, W.N.W., Ahmad, Z & Law, S.H. (2010). Foreign Direct Investment, Economic Freedom and Economic Growth: International Evidence. *Journal of Economic Modeling*. 27(43), 1079-1089
- Akpaeti, (2002). Does Financial Sector Reforms Affect Agricultural Investment in Nigeria? *International Journal of food and Agricultural Economics*, 1(2): 2147-8988
- Aiyedogbon, Olu-Coris, (2012). Agricultural Productivity and Employment Generation in Nigeria: ReExamination of Evidence. *Journal of Entrepreneurship research*. 3(5): 32-47
- Akande, R (2013). Causal Relations between Foreign Direct Investment in Agriculture and

- Agricultural Output in Nigeria. *African Journal of Agricultural Research*. 8(17): 1693-1699
- Ajuwon, O.S & Ogwumike, F.O (2013). Uncertainty and Foreign Direct Investment: A Case of Agriculture in Nigeria. *Mediterranean Journal of Social Sciences*, 4(1)
- Benso, J.D. (2004). Absorptive Capacity and the Effects of Foreign Direct Investment and Equity Foreign Portfolio Investment on Economic Growth. *European Economic Review*, 48(2004): 285-306
- Borensztein, E., & De Gregorio, J., Lee, J-W (1998). How does foreign direct Investment affect Economic Growth? *Journal of International Economics*, 45,115-135.
- Bah, E & Fang, L. (2015). Impact of the business environment on output and productivity in Africa. *Journal of Development Economics*. 114(2015):47-55
- Binswanger, Hans.P & Khandker, S.R. (1993). How infrastructure and financial institution affect Agricultural output and investment in India. *Journal of Development Economics*, 41(1993):337-366
- Bakaert, G., & Harvey, C.R., (1998). Capital flows and the Behavior of Emerging Market Equity Returns. *NBER Working Paper No. 6669*
- Bakare, A.S. (2010). Multinational Direct Investment and Economic Growth in Nigeria. *International Business Management*, 4(3) 171-176
- Chakraborty, C & Peter, N. (2008). Economic Reforms, FDI, and Economic Growth in India: A sector level analysis. *World development*, 29(7) 1192-1212.
- Coric, B. & Pugh, G. (2012). Foreign direct investment and output growth volatility: A World Wide analysis. *International Review of Economics and Finance*, 25(6):260-271
- Canuto, O. (2007). Fiscal consequences of food and Agricultural commodities inflation. Remarks for the GAIM/GMA, Geographical risk, macroeconomics and alternative investment conference New York.
- CBN, (2006). *Annual Report and Statement of Account, Abuja. Nigeria*
- CBN, (2009). *Annual Report and Statement of Account, Abuja. Nigeria*
- CBN, (2010). *Annual Report and Statement of Account, Abuja. Nigeria*

- CBN, (2005). *Annual Report and Statement of Account, Abuja. Nigeria*
- CBN, (2008). *Annual Report and Statement of Account, Abuja. Nigeria*
- CBN, (2009). *Annual Report and Statement of Account, Abuja. Nigeria*
- CBN, (2013). *Annual Report and Statement of Account, Abuja. Nigeria*
- Daramola, A. (2007). Agricultural Export Potential in Nigeria. In: Economic Policy Options for A Prosperous Nigeria, Collier, P. & C Pattillo. *Palgrave Macmillan, London.*
- Dritsaki, M., Dritsaki, C., & Adamopoulos, A. (2004). A Causal Relationship Between Trade, Foreign Direct Investment and Economic Growth or Greece. *American Journal of Applied sciences* 1(3) 230-5
- Diao, X., Alpuerto, V., Salau, S. & Nwafor, M. (2009). Agricultural Investment for growth and poverty reduction in Nigeria. *International Food Policy Research institute, Brief No.13*
- David, G.K, Hineline, D & Kango. B.(2011). Inflation and real sectoral output shares: Dynamic panel model evidence seven OECD countries. *Journal of Macroeconomics*, 33(2011):607-619
- Djomo, J.M & Sikod, F. (2012). The effect of Human capital on Agricultural productivity and farmers income in Cameroon. *International Bussiness Research*, 5(4).
- Elizebeth, A. (2002). On the determinants of foreign direct investment developing countries: is Africadifferent? *World Development*. 30(1): 107-119.
- Fedderke, J.W., Romm, A.T. (2006). Growth Impact and Determinants of Foreign Direct Investment in to South Africa, 1956-2003. *Journal of Economic Modeling*, 23, 738-760.
- Fasonrati, M.M. (2006). A stochastic Analysis of Effectiveness of Cassava-based Cropping System in Ondo
- FMEN, federal ministry of environment, Nigeria. (2001). National action programme to combat desertification.
- FOS, (1989). Federal office of statistics. Abuja, Nigeria.
- FOA, (2013). Food and agricultural organization statistical yearbook. *World Food and Agriculture*
- George, C. Bitros & Epaminondas, E.P. (2001). Is there an inflation-productivity trade-off?

- Some evidence from the manufacturing sector in Greece, *Applied Economics*, 33(15):1961-1969
- Hernan, H., Juan, B.E. (2013). Foreign Direct Investment, Institutional Quality, Economic Freedom and Entrepreneurship in Emergin markets. *Journal of Business Research*, xxx(2013), xxx-xxx
- Henzer, D., Klasen, S & Fecilitas, N.D (2007). In Search of FDI-led Growth in developing Countries: the Way Forward. *Journal of Economic modeling*. 25(2008): 793-810
- Iloeje, N.P. (2001). A New Geography of Nigeria. New Revised Edition. *Longman Nigeria*
- Ifebuolili, E.C (2014). An assessment of the impact of interest rate deregulation in Enhancing Agricultural Productivity in Nigeria. *Journal of Economics and sustainable development*, 5(8):1700-2222
- Izuchukwu, (2011). Analysis of the Contribution of Agricultural Sector on the Nigerian Economic Development, *world Review of Business Research*, 1(1):191
- Ibrahim, W.O & Okosi-Aliyu, S.O. (2008). Determinant of foreign direct Investment in Nigeria. *Political Factor Effect Revisited*. 11(3), 60-83
- Idowu & Ying (2013). An Evaluation and Forecast of the Impact of Foreign Direct Investment in Nigeria's Agricultural Sector in a VAR Enviroment. *journal of Economics and Sustainable Development*, 4(10): 2222-2855
- Jarvocik, B.S & Spatareanu, M. (2008). To Share or Not Share: Does Local Participation Matter for Spillovers from Foreign Direct Investment? *Journal of Development Economics*. 85, 194-217
- Kamani, S.B & Rogers, J.H. (1997). Output and the real exchange rate in developing countries: an Appllication to mexico. *International finance discussion paper No: 580*.
- Kuku, O & Ajibola, K (2011). A Review of Literature on Agricultural Productivity, Social Capital and Food Security in Nigeria. *International Food Policy Research Institute, Working paper No:21*
- Laura, S.A & Selin, C.K. (2000). FDI and Economic Growth: the Role of Local Financial Markets. *Journal of International Economics*. 64(9), 89-112.
- Lawal, W.A (2011). An Analysis of Government Spending on Agricultural Sector and its

- Contribution to GDP in Nigeria. *International Journal of Business and Social Science*. 2 (20)
- Lamorde, A.G (1998). Scenario Building for the Nigerian Livestock Industry in 21st Century.
Paper Presented at the Silver Anniversary Conference of the Nigerian Society for Animal Production, Abekuta, Nigeria. 21-26
- Muhammad-lawan, A & Atte, O.A. (2006). An Analysis of Agricultural Production in Nigeria.
African Journal of Agriculture. 2(1)
- Mogues, T., Morris, m., Freinkman, l., Adubi, A., Ehuiet, S., Nwoko, C., Agricultural Public Spending in Nigeria. IFPRI No: 789. *International Food Policy Research Institute*.
- Masayuki, H & Ivohasina, F. (2005). The Determinant of Foreign Direct Investment in to Japan.
Kobe University Economics Review, 51:738-760.
- Mundell, R.A. (1957). International trade and factor mobility. *The American Economic Review*, 47(3):321-335
- Mahadevan, R & Asafu, A.J.(2004). The productivity-inflation nexus: the case of the Australian mining sector. *Energy Economics*, 27(2005):209-224.
- Markusen, R.J & Anthony, J. V. (1995). Foreign Direct Investment as a Catalyst for Industrial Development. *European Economic Review*. 43, 335-356.
- NBS. (2009). Annual Abstract of statistics, Abuja Nigeria.
- Nurudden, A.W., Gobna, O., Auta and Menson, E. (2012). Determinants of Foreign Direct Investment. *Journal of Monetary Economics* 6(3), 50-67.
- Narayan, P.K., Narayan, S & smyth, R. (2008). Understanding the inflation-output nexus for China. *China Economic Review*, 20(2009):82-90
- Oyatoye, E.T.O (1982). Developing a Viable Fish Farming Industry in Nigeria: An Alternative Strategy to the Green Revolution Programme. *Proceeding of the 2nd Annual Conference of the Fisheries Society of Nigeria*, 99-109.
- Oyenuga, V.A (1967). Agriculture in Nigeria. *Food and Agriculture Organization of the United Nations*. FOA, Rome, 308 .
- Oayemi, (1995). Determinants of agricultural Exports. *Rubbert Research Institute of Nigeria*,

29(3):181=184

- Oyakhilomen, O. (2014). Causality of interest rate policy and Agricultural production in an atmosphere of Economic deregulation in Nigeria. *Agricultura su-tropica*, 47(2):68-71
- Obwana, M. B. (2001). Determinants of FDI and their Impact on Economic Growth in Uganda. *African Development Review* 2001, BlackWell Publishers Oxford. U.K pp.46-80
- Osinubi, T.S & Amaghionyeodiwe, L.A. (2010). Foreign Private Investment and Economic Growth in Nigeria. *REBs Review of Economic and Business studies*, 39(1) 105-127.
- Okoha, P.(2007). Relative price variability and inflation: Evidence from the Agricultural sector in Nigeria. *AERC Research No.171 African Economic Research consortium, Nairobi*.1-36
- Obayelu, A.E & Salau, A (2010). Agricultural response to prices and exchange rate in Nigeria: Application of co-integration and vector error correction model. *Journal of agricultural sciences*, 1(2): 73-81
- Oyinbo, O., Abraham, F., & Rekwot, G.Z. (2014). Nexus of exchange rate deregulation and Agricultural share of gross domestic product in Nigeria. *CBN journal of Applied statistics*, 5(2)
- Ogbanje, E.C., Okwu, O.J & Saror, S.F. (2010). An Analysis of Foreign Direct Investment in Nigeria: The Fate of Nigeria's Agricultural Sector. *Journal Agricultural of Production and Technology (PAT)* 6(2) 15-25
- Ogunwusi A.A. (2012). The Forest Products Industry in Nigeria. *Africa Research Review. An International multidisiplinary journal, Ethioia*, 6 (4), 191-205.
- OECD, (2008). *Foreign direct investment benchmark, 3, ed. Bench mark definition of foreign Direct investment.*
- Pesaran, M. H. & Pesaran, B. (1997). *Working with microfit 4.0: interactive econometric analysis*. Oxford university press, oxford
- Romer, M. (1993). Idea Gaps and Object Gaps in Economic Development. *Journal of monetary economics*. 32(4) 543-573
- RIM (Resource inventory and management). (1990). Livestock resource survey, Abuja, Nigeria.

- Rao, D. Fun, O. (2003). The Impact of Foreign Direct Investment on Nigeria's Economic Growth: Trade Policy Matters. *Journal of Business and Policy Research*, 3(2) 11-26.
- Sadik, A.T & Bolbol, A.A, (2001). Capital Flows, FDI, and Technology spillover: Evidence from Arab Countries. *World development*, 29(12) 2111-2125
- Shahbz, M. (2012). Does Trade Openness Affect Long-Run Growth? Conintegration, Causality and Forecast Error, Variance Decomposition Tests for Pakistan. *Economic Modeling*, 29, 2325-2339.
- Simon, F. S & Mark, M. (2004). Growth and Foreign Direct Investment in the Pacific Island Countries. *Journal of Economic Modeling*, 37, 332-339.
- Sjoerd, B., Roger, S. & Ramco, Z (2005). The Impact of Horizontal and Vertical FDI on Host's Country Economic Growth. *International Business Review*. 17,452-472.
- Steven, G. Daniel, S. (2002). Global Foreign Direct Investment Flows: The role of Government Infrastructure. *World Development*. 30(11), 1899-1919.
- Sung-Hoon, L. (2008). How Investment Promotion Affects Attracting Foreign Direct Investment: Analytical Argument and Empirical Analysis. *International Business Review*, 17, 39-53.
- Smith, E.G., person, J.B., Klose, S.L & Knutson, R.D. (1997). Interest rate effect on the United States Agricultural sector with emphasis at the farm level. *AFPC-working paper*, 97-5
- Tang, S., Selvanathan, G.E & Selvanathan, E. (2008). Foreign Direct Investment, Domestic Investment and Economic Growth in China. *World Economy*. 10(7)1467-9701
- Tidiane, K.(2010). Investment Climate and FDI in Developing Countries: Firm level Evidence. *World Development*, 38 (4) 498-513.
- Tang, D. & Gyasi, K.B (2012).China-Africa Foreign Trade Policies: The Impact of China's Foreign Direct Investment (FDI) Flow on Employment of Ghana. *Journal of Energy Procedia*. 16(4), 553-557.
- Tambangru & Ilan (2008). Sectoral Analysis of foreign Direct Investment and Growth in

- the developed Countries. *Journal of International Financial Markets, Institution and money*. 19(2009): 402-413
- Terresa, M.A., & Vicenteorts. O. (2002). Foreign Direct Investment, Exports and Domestic Performance in Mexico: A Country analysis. *Journal of Economic letters*, 77(2002) 371-376
- UNCTAD, (2014). Investing in the SDGs: An action plan. World Investment Report, *New york and Geneva*
- UNCTAD, (2013). Gloval value chains: investment and trade for development. *World investment report. New york and Geneva*.
- UNCTAD, (2012). Towards a new generation of investment policies. World investment report, *New york and Geneva*(2012).
- UNCTAD, (2011). Non-equity Models of international production and development. *World Investment Report. New york and Geneva*
- UNCTAD, (2008). Transnational corporations and the infrastructure challenge. *World investment report. New york and Geneva*. 2008
- UNCTAD, 1(995). Transnational corporations and competitiveness. *World investment report. New york Geneva*. 1995
- Udoh, (2013). Insights on Oil Palm Production Variation and Trade Growth Rates in Nigeria. *General journal of Agricultural Sciences*, 3(7):536-541
- Udoh, E. & Egwaikhide, E.O. (2008). Exchange Rate Volatility, Inflation Uncertainty and Foreign Direct Investment in Nigeria. *Bostwana Journal of Economics*, 5(7).
- United Nations Development Program. (2009). Human Development, *Development Report*, (2009). *New York*: United Nations Development Programmed.
- Xiaoying, li & Xiamin, liu, (2005). Foreign Direct Investment and Economic Growth: An Increasingly Endogenous Relationship. *World Development*, 33, 93-407.
- Xinpeng, X & Yu, S. (2012). Productivity Spillovers from Foreign Direct Investment: Firm-Level Evidence from China. *World Development*, 40 (1) 62-74.
- Yaqub., J.O. (2011). The Impact of Exchange Rate Changes on Disaggregated Agricultural

Output in Nigeria: A Two-Stage-Least-Squares Approach. *International Journal of Economic Sciences and Applied Research* 6 (1): 75-89

Zaman, K., Muhammad, M. K & Mehboob, A, (2012). The Relationship Between Foreign Direct Investment and Pro-Poor Growth Policies in Pakistan: The new Interface. *Journal of Economic Modeling*, 29, 1220-1227.