

# INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT

I  
J  
R  
C  
M



A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories

Indexed & Listed at:

Ulrich's Periodicals Directory ©, ProQuest, U.S.A., EBSCO Publishing, U.S.A., Cabell's Directories of Publishing Opportunities, U.S.A.,

Open J-Gate, India (link of the same is duly available at Inlibnet of University Grants Commission (U.G.C.)),

The American Economic Association's electronic bibliography, EconLit, U.S.A.,

Index Copernicus Publishers Panel, Poland with IC Value of 5.09 & number of libraries all around the world.

Circulated all over the world & Google has verified that scholars of more than 3412 Cities in 173 countries/territories are visiting our journal on regular basis.

Ground Floor, Building No. 1041-C-1, Devi Bhawan Bazar, JAGADHRI – 135 003, Yamunanagar, Haryana, INDIA

<http://ijrcm.org.in/>

# CONTENTS

<b>Sr. No.</b>	<b>TITLE &amp; NAME OF THE AUTHOR (S)</b>	<b>Page No.</b>
1.	<b>ANALYSIS OF TOMATO MARKETING IN UASIN- GISHU COUNTY, KENYA</b> <i>YEGOH KENNETH KIMELI KOSGEY</i>	1
2.	<b>INDIAN DISINVESTMENT PERFORMANCE EVALUATION BETWEEN NDA &amp; UPA GOVERNMENTS</b> <i>DR V S PURANIK &amp; VIRUPAKSHA GOUD G</i>	11
3.	<b>DEVELOPMENT OF SUSTAINABILITY REPORTING: CASE STUDY IN PT TIMAH (PERSERO) TBK</b> <i>IA. BUDHANANDA MUNIDEWI, EKO GANIS SUKOHARSONO &amp; DR. ARI KAMAYANTI</i>	15
4.	<b>TRENDS IN ECONOMIC CONTRIBUTION OF TOURISM INDUSTRY TO INDIAN ECONOMY</b> <i>HARINI K.V &amp; INDIRA M</i>	21
5.	<b>TOWARDS ENHANCING EFFICIENCY IN THE TRANSPORT INDUSTRY IN KENYA: A STUDY OF THE ROAD AND RAIL TRANSPORT</b> <i>ERIC LEWA KATANA &amp; ABDULKARIM ABDULRAHMAN ABDULKARIM</i>	25
6.	<b>EMERGING TRENDS IN THE MARKET OF EVENT MANAGEMENT: A LITERATURE REVIEW</b> <i>ANTRIKSHA NEGI &amp; RAVINDER PANT</i>	30
7.	<b>A STUDY ON INVESTORS' PERCEPTION TOWARDS DERIVATIVE INSTRUMENTS AND MARKETS</b> <i>DR. Y. NAGARAJU &amp; SUMAN REDDYS</i>	33
8.	<b>RASHTRIYA SWASTHYA BHIMA YOJANA - COMPREHENSIVE HEALTH INSURANCE SCHEME (RSBY-CHIS) IN KERALA : A STUDY ON THE EFFECTIVENESS AND UTILIZATION OF THE SCHEME WITH SPECIAL REFERENCE TO ERNAKULAM AND WAYANAD DISTRICTS</b> <i>DR. P. P. MINI</i>	41
9.	<b>TIME USE STUDIES TO EVALUATE UNPAID CARE WORK IN KERALA</b> <i>ANILA SKARIAH</i>	47
10.	<b>BOARD STRUCTURE AND BANK PERFORMANCE: AN ETHIOPIAN SURVEY</b> <i>ARON HAILESELLASIE</i>	53
11.	<b>FINANCIAL DISCLOSURE IN THE ANNUAL REPORTS OF LIBYAN BANKS: FROM PREPARERS' PERSPECTIVES</b> <i>DR. MUSA M. KRIBAT</i>	59
12.	<b>APPRAISAL OF INFLUENCE OF MAJOR EXOGENOUS FACTORS ON VOLUME OF LENDING BY DEPOSIT MONEY BANKS IN NIGERIA (1990 -2011)</b> <i>ABDULLAHI SHEHU ARAGA</i>	65
13.	<b>DOMESTIC ROOF WATER HARVESTING PRACTICES: AN EMPIRICAL INVESTIGATION IN MEKELLE, ETHIOPIA</b> <i>ARAYA ABREHA</i>	73
14.	<b>PRICE DISCOVERY AND INFORMATION TRANSMISSION IN SPOT AND FUTURE SEGMENTS FOR NSE 50: AN EMPIRICAL STUDY</b> <i>PIYUSH PANDEY</i>	80
15.	<b>EFFECTIVE GOVERNANCE FOR SUSTAINABLE GROWTH OF INDUSTRIAL UNDERTAKINGS AND MSME's IN INDIA</b> <i>AMARENDRA BHUYAN</i>	83
	<b>REQUEST FOR FEEDBACK &amp; DISCLAIMER</b>	87

**CHIEF PATRON****PROF. K. K. AGGARWAL**

Chairman, Malaviya National Institute of Technology, Jaipur

*(An institute of National Importance & fully funded by Ministry of Human Resource Development, Government of India)*

Chancellor, K. R. Mangalam University, Gurgaon

Chancellor, Lingaya's University, Faridabad

Founder Vice-Chancellor (1998-2008), Guru Gobind Singh Indraprastha University, Delhi

Ex. Pro Vice-Chancellor, Guru Jambheshwar University, Hisar

**FOUNDER PATRON****LATE SH. RAM BHAJAN AGGARWAL**

Former State Minister for Home &amp; Tourism, Government of Haryana

Former Vice-President, Dadri Education Society, Charkhi Dadri

Former President, Chinar Syntex Ltd. (Textile Mills), Bhiwani

**CO-ORDINATOR****DR. BHAVET**

Faculty, Shree Ram Institute of Business &amp; Management, Urjani

**ADVISORS****DR. PRIYA RANJAN TRIVEDI**

Chancellor, The Global Open University, Nagaland

**PROF. M. S. SENAM RAJU**

Director A. C. D., School of Management Studies, I.G.N.O.U., New Delhi

**PROF. M. N. SHARMA**

Chairman, M.B.A., Haryana College of Technology &amp; Management, Kaithal

**PROF. S. L. MAHANDRU**

Principal (Retd.), Maharaja Agrasen College, Jagadhri

**EDITOR****PROF. R. K. SHARMA**

Professor, Bharti Vidyapeeth University Institute of Management &amp; Research, New Delhi

**CO-EDITOR****DR. SAMBHAV GARG**

Faculty, Shree Ram Institute of Business &amp; Management, Urjani

**EDITORIAL ADVISORY BOARD****DR. RAJESH MODI**

Faculty, Yanbu Industrial College, Kingdom of Saudi Arabia

**PROF. SIKANDER KUMAR**

Chairman, Department of Economics, Himachal Pradesh University, Shimla, Himachal Pradesh

**PROF. SANJIV MITTAL**

University School of Management Studies, Guru Gobind Singh I. P. University, Delhi

**PROF. RAJENDER GUPTA**

Convener, Board of Studies in Economics, University of Jammu, Jammu

**PROF. NAWAB ALI KHAN**

Department of Commerce, Aligarh Muslim University, Aligarh, U.P.

**PROF. S. P. TIWARI**

Head, Department of Economics &amp; Rural Development, Dr. Ram Manohar Lohia Avadh University, Faizabad

**DR. ANIL CHANDHOK**

Professor, Faculty of Management, Maharishi Markandeshwar University, Mullana, Ambala, Haryana

**DR. ASHOK KUMAR CHAUHAN**

Reader, Department of Economics, Kurukshetra University, Kurukshetra

**DR. SAMBHAVNA**

Faculty, I.I.T.M., Delhi

**DR. MOHENDER KUMAR GUPTA**

Associate Professor, P.J.L.N. Government College, Faridabad

**DR. VIVEK CHAWLA**

Associate Professor, Kurukshetra University, Kurukshetra

**DR. SHIVAKUMAR DEENE**

Asst. Professor, Dept. of Commerce, School of Business Studies, Central University of Karnataka, Gulbarga

**ASSOCIATE EDITORS****PROF. ABHAY BANSAL**

Head, Department of Information Technology, Amity School of Engineering &amp; Technology, Amity University, Noida

**PARVEEN KHURANA**

Associate Professor, Mukand Lal National College, Yamuna Nagar

**SHASHI KHURANA**

Associate Professor, S.M.S. Khalsa Lubana Girls College, Barara, Ambala

**SUNIL KUMAR KARWASRA**

Principal, Aakash College of Education, Chander Kalan, Tohana, Fatehabad

**DR. VIKAS CHOUDHARY**

Asst. Professor, N.I.T. (University), Kurukshetra

**TECHNICAL ADVISOR****AMITA**

Faculty, Government M. S., Mohali

**FINANCIAL ADVISORS****DICKIN GOYAL**

Advocate &amp; Tax Adviser, Panchkula

**NEENA**

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

**LEGAL ADVISORS****JITENDER S. CHAHAL**

Advocate, Punjab &amp; Haryana High Court, Chandigarh U.T.

**CHANDER BHUSHAN SHARMA**

Advocate &amp; Consultant, District Courts, Yamunanagar at Jagadhri

**SUPERINTENDENT****SURENDER KUMAR POONIA**

## **CALL FOR MANUSCRIPTS**

We invite unpublished novel, original, empirical and high quality research work pertaining to recent developments & practices in the areas of Computer Science & Applications; Commerce; Business; Finance; Marketing; Human Resource Management; General Management; Banking; Economics; Tourism Administration & Management; Education; Law; Library & Information Science; Defence & Strategic Studies; Electronic Science; Corporate Governance; Industrial Relations; and emerging paradigms in allied subjects like Accounting; Accounting Information Systems; Accounting Theory & Practice; Auditing; Behavioral Accounting; Behavioral Economics; Corporate Finance; Cost Accounting; Econometrics; Economic Development; Economic History; Financial Institutions & Markets; Financial Services; Fiscal Policy; Government & Non Profit Accounting; Industrial Organization; International Economics & Trade; International Finance; Macro Economics; Micro Economics; Rural Economics; Co-operation; Demography; Development Planning; Development Studies; Applied Economics; Development Economics; Business Economics; Monetary Policy; Public Policy Economics; Real Estate; Regional Economics; Political Science; Continuing Education; Labour Welfare; Philosophy; Psychology; Sociology; Tax Accounting; Advertising & Promotion Management; Management Information Systems (MIS); Business Law; Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labour Relations & Human Resource Management; Marketing Research; Marketing Theory & Applications; Non-Profit Organizations; Office Administration/Management; Operations Research/Statistics; Organizational Behavior & Theory; Organizational Development; Production/Operations; International Relations; Human Rights & Duties; Public Administration; Population Studies; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism & Hospitality; Transportation Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic; Web Design and emerging paradigms in allied subjects.

Anybody can submit the **soft copy** of unpublished novel; original; empirical and high quality **research work/manuscript anytime** in **M.S. Word format** after preparing the same as per our **GUIDELINES FOR SUBMISSION**; at our email address i.e. [infoijrcm@gmail.com](mailto:infoijrcm@gmail.com) or online by clicking the link **online submission** as given on our website ([FOR ONLINE SUBMISSION, CLICK HERE](#)).

## **GUIDELINES FOR SUBMISSION OF MANUSCRIPT**

### 1. **COVERING LETTER FOR SUBMISSION:**

DATED: \_\_\_\_\_

**THE EDITOR**  
IJRCM

**Subject:** **SUBMISSION OF MANUSCRIPT IN THE AREA OF.**

**(e.g. Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/Engineering/Mathematics/other, please specify)**

**DEAR SIR/MADAM**

Please find my submission of manuscript entitled '\_\_\_\_\_ ' for possible publication in your journals.

I hereby affirm that the contents of this manuscript are original. Furthermore, it has neither been published elsewhere in any language fully or partly, nor is it under review for publication elsewhere.

I affirm that all the author (s) have seen and agreed to the submitted version of the manuscript and their inclusion of name (s) as co-author (s).

Also, if my/our manuscript is accepted, I/We agree to comply with the formalities as given on the website of the journal & you are free to publish our contribution in any of your journals.

#### **NAME OF CORRESPONDING AUTHOR:**

Designation:  
Affiliation with full address, contact numbers & Pin Code:  
Residential address with Pin Code:  
Mobile Number (s):  
Landline Number (s):  
E-mail Address:  
Alternate E-mail Address:

#### **NOTES:**

- a) The whole manuscript is required to be in **ONE MS WORD FILE** only (pdf. version is liable to be rejected without any consideration), which will start from the covering letter, inside the manuscript.
- b) The sender is required to mention the following in the **SUBJECT COLUMN** of the mail:  
**New Manuscript for Review in the area of** (Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/Engineering/Mathematics/other, please specify)
- c) There is no need to give any text in the body of mail, except the cases where the author wishes to give any specific message w.r.t. to the manuscript.
- d) The total size of the file containing the manuscript is required to be below **500 KB**.
- e) Abstract alone will not be considered for review, and the author is required to submit the complete manuscript in the first instance.
- f) The journal gives acknowledgement w.r.t. the receipt of every email and in case of non-receipt of acknowledgment from the journal, w.r.t. the submission of manuscript, within two days of submission, the corresponding author is required to demand for the same by sending separate mail to the journal.

2. **MANUSCRIPT TITLE:** The title of the paper should be in a 12 point Calibri Font. It should be bold typed, centered and fully capitalised.

3. **AUTHOR NAME (S) & AFFILIATIONS:** The author (s) **full name, designation, affiliation (s), address, mobile/landline numbers**, and **email/alternate email address** should be in italic & 11-point Calibri Font. It must be centered underneath the title.

4. **ABSTRACT:** Abstract should be in fully italicized text, not exceeding 250 words. The abstract must be informative and explain the background, aims, methods, results & conclusion in a single para. Abbreviations must be mentioned in full.

5. **KEYWORDS:** Abstract must be followed by a list of keywords, subject to the maximum of five. These should be arranged in alphabetic order separated by commas and full stops at the end.
6. **MANUSCRIPT:** Manuscript must be in **BRITISH ENGLISH** prepared on a standard A4 size **PORTRAIT SETTING PAPER**. It must be prepared on a single space and single column with 1" margin set for top, bottom, left and right. It should be typed in 8 point Calibri Font with page numbers at the bottom and centre of every page. It should be free from grammatical, spelling and punctuation errors and must be thoroughly edited.
7. **HEADINGS:** All the headings should be in a 10 point Calibri Font. These must be bold-faced, aligned left and fully capitalised. Leave a blank line before each heading.
8. **SUB-HEADINGS:** All the sub-headings should be in a 8 point Calibri Font. These must be bold-faced, aligned left and fully capitalised.
9. **MAIN TEXT:** The main text should follow the following sequence:

**INTRODUCTION**

**REVIEW OF LITERATURE**

**NEED/IMPORTANCE OF THE STUDY**

**STATEMENT OF THE PROBLEM**

**OBJECTIVES**

**HYPOTHESES**

**RESEARCH METHODOLOGY**

**RESULTS & DISCUSSION**

**FINDINGS**

**RECOMMENDATIONS/SUGGESTIONS**

**CONCLUSIONS**

**SCOPE FOR FURTHER RESEARCH**

**ACKNOWLEDGMENTS**

**REFERENCES**

**APPENDIX/ANNEXURE**

It should be in a 8 point Calibri Font, single spaced and justified. The manuscript should preferably not exceed **5000 WORDS**.

10. **FIGURES & TABLES:** These should be simple, crystal clear, centered, separately numbered & self explained, and **titles must be above the table/figure**. **Sources of data should be mentioned below the table/figure**. It should be ensured that the tables/figures are referred to from the main text.
11. **EQUATIONS:** These should be consecutively numbered in parentheses, horizontally centered with equation number placed at the right.
12. **REFERENCES:** The list of all references should be alphabetically arranged. The author (s) should mention only the actually utilised references in the preparation of manuscript and they are supposed to follow **Harvard Style of Referencing**. The author (s) are supposed to follow the references as per the following:
  - All works cited in the text (including sources for tables and figures) should be listed alphabetically.
  - Use (ed.) for one editor, and (ed.s) for multiple editors.
  - When listing two or more works by one author, use --- (20xx), such as after Kohl (1997), use --- (2001), etc, in chronologically ascending order.
  - Indicate (opening and closing) page numbers for articles in journals and for chapters in books.
  - The title of books and journals should be in italics. Double quotation marks are used for titles of journal articles, book chapters, dissertations, reports, working papers, unpublished material, etc.
  - For titles in a language other than English, provide an English translation in parentheses.
  - The location of endnotes within the text should be indicated by superscript numbers.

**PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES:**

**BOOKS**

- Bowersox, Donald J., Closs, David J., (1996), "Logistical Management." Tata McGraw, Hill, New Delhi.
- Hunker, H.L. and A.J. Wright (1963), "Factors of Industrial Location in Ohio" Ohio State University, Nigeria.

**CONTRIBUTIONS TO BOOKS**

- Sharma T., Kwatra, G. (2008) Effectiveness of Social Advertising: A Study of Selected Campaigns, Corporate Social Responsibility, Edited by David Crowther & Nicholas Capaldi, Ashgate Research Companion to Corporate Social Responsibility, Chapter 15, pp 287-303.

**JOURNAL AND OTHER ARTICLES**

- Schemenner, R.W., Huber, J.C. and Cook, R.L. (1987), "Geographic Differences and the Location of New Manufacturing Facilities," Journal of Urban Economics, Vol. 21, No. 1, pp. 83-104.

**CONFERENCE PAPERS**

- Garg, Sambhav (2011): "Business Ethics" Paper presented at the Annual International Conference for the All India Management Association, New Delhi, India, 19–22 June.

**UNPUBLISHED DISSERTATIONS AND THESES**

- Kumar S. (2011): "Customer Value: A Comparative Study of Rural and Urban Customers," Thesis, Kurukshetra University, Kurukshetra.

**ONLINE RESOURCES**

- Always indicate the date that the source was accessed, as online resources are frequently updated or removed.

**WEBSITES**

- Garg, Bhavet (2011): Towards a New Natural Gas Policy, Political Weekly, Viewed on January 01, 2012 <http://epw.in/user/viewabstract.jsp>

# APPRAISAL OF INFLUENCE OF MAJOR EXOGENOUS FACTORS ON VOLUME OF LENDING BY DEPOSIT MONEY BANKS IN NIGERIA (1990 -2011)

**ABDULLAHI SHEHU ARAGA**  
**LECTURER**  
**SCHOOL OF MANAGEMENT SCIENCES**  
**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**LAGOS**

## ABSTRACT

*The study is an ex-post facto research work which was carried out to appraise the influence of major exogenous factors on the aggregate volume of lending by the Deposit Money Banks in Nigeria from 1990 to 2011 based on statistical data from Central Bank of Nigeria. Multiple Regression Analysis was employed to test the relationship between aggregate volume of loans & advances (VLA) as dependent variable and independent variables such as lending rate (LRT), liquidity ratio (LR) and cash reserve ratio (CRR), and volume of deposits (VD). The result of the test revealed that LRT, LR, and CRR have significant positive impact on volume of loans and advances (VLA) of Nigerian DMBs within the period under review. Conversely, VD appears to have insignificant and negative impact on VLA. It is recommended that the CBN should be using the regulatory variables (LRT, LR, CRR and VD) in such a way that will enhance robust volume of lending by the DMBs to enhance the growth of the Nigerian economy.*

## KEYWORDS

Appraisal, Exogenous Factors, Volume of Lending, Deposit Money Banks, Structure of Lending, Multiple Regression Analysis.

## 1.0 INTRODUCTION

Banking operations thrive on financial intermediation with twin preoccupations of sourcing for funds and lending of such funds to the productive sector and public sectors of the economy. In the process of financial intermediation, therefore, the DMBs source for their funds through deposits from customers while on the other hand, they lend such funds out to members of the public which include corporate bodies, government at various levels, institutions, and individuals (Jhingan, 2008).

Financial intermediation in the banking industry all over the world revolves around a tripod of sourcing for funds from depositors, lending of such funds to customers, and managing inherent risks of operations. Therefore, the operations of DMBs involve maintaining a delicate balance between meeting the demands of depositors and lending their funds to customers. Hence the fragile nature of operations of money deposit banks necessitates the regulations and intervention of their supervisory authorities. The deposit money banks are regulated more by banking supervisory authorities (apex banks, deposit insurance institutions, etc) and less by their boards of directors. Therefore, lending aspect of banking operations is subject to the actions of both regulatory authorities and the boards of directors of deposit money banks.

By large and large, the lending behaviour of DMBs is influenced by certain factors which are both exogenous and endogenous to their operations. Some of these influencing factors on lending behaviour of these banks are, therefore, established by their directors while others arise from the regulatory actions of apex banks, deposit insurance institutions, and other regulatory authorities in the financial sector of the economy.

The implication is that some of the factors or determinants of lending by deposit money banks are subject to the whims and caprices of their directors. And since the other determinants that influence lending by these banks are exogenous, they are not subject to their control and manipulation because they are normally formulated and imposed by regulatory authorities for implementation in any given economy.

While there are many empirical studies on the determinants of lending behaviour of deposit money banks in advanced economies, there has been only a few studies on the lending behaviour of deposit money banks in developing economies such as Nigeria. Particularly in Nigeria, the only empirical studies on the lending behaviour of the deposit money banks include: Osayameh's (1991) work on lending and credit administration model for commercial banks; Adedoyin and Sobodun (1996) in their study on commercial banks' lending activities in the country; Ajayi (2007) in his study investigates some major determinants of loans and advances in the Nigerian financial system; Olokoyo's (2011) work on determinants of commercial banks' lending behavior in the country; and Olusanya, Oyebo and Ohadebere. (2012) in their study on determinants of lending behaviour of commercial banks: evidence from Nigeria, a co-integration analysis (1975-2010).

However, none of such studies is able to consider those factors that were not included in the regression analysis but also influence the DMBs in their lending behaviour generally in Nigeria. Therefore, this paper is an attempt to investigate in holistic terms the determinants of lending behaviour of deposit money banks in the country.

## 1.1 OBJECTIVE OF THE STUDY

The main objective of the study is to investigate the major exogenous factors that influence lending behaviour of deposit money banks in the country, drawing from the past studies on such a subject matter. The study also investigates the structure of lending of deposit money banks in Nigeria with the period under review (1980-2011).

## 1.2 METHODOLOGY

An ex-post facto research design (quantitative research design) was employed in carrying out this study. The data that have been used for the study were analyzed and interpreted using relevant statistical package based on statistical formulations. The data for the study have been generated from Statistical Bulletin published by the Central Bank of Nigeria. The test which made use of regression analysis was based on Eview7 package.

## 2.0 LITERATURE REVIEW

### 2.1 EMPIRICAL REVIEW

A lot of studies have been carried out in attempts to determine the significant influencing factors on lending behaviour of deposit money banks in Nigeria in particular and around the world generally. Since there are varied studies on the lending behaviour of banks, it is only pertinent that some cursory scrutiny on such studies is considered in terms of highlighting the influencing factors on bank lending and inherent gaps in such studies.

Ajayi (2007) investigates some major determinants of loans and advances in the Nigerian financial system. He uses explanatory variables such as liquidity ratio, capital base, bank deposit and lending rates to determine their effect on loans and advances. The study discovers that a relationship exists between dependent variable (loans and advances) and independent variables of total deposit, capital base, liquidity ratio, and lending rate. The gap in this study lies in the fact that the independent factors as used for the study such as total deposit, capital base, liquidity ratio, and lending rate to investigate their relationship with dependent variable (bank loans and advances) are very few and far between.

In a recent study on determinants of commercial banks' lending behavior in Nigeria, Olokoyo (2011) utilizes explanatory variables such as volume of deposits, investment portfolio, interest rate, cash reserve requirement, liquidity ratio, foreign exchange and gross domestic product to determine their influence on

commercial banks' lending. The findings of the study reveal that all these explanatory variables do affect, in varying degree, the lending behaviour of money deposit banks in the country. The study reveals that explanatory variables such as volume of deposit, investment portfolio, foreign exchange, and gross domestic product in particular play significant role in influencing the lending behaviour of deposit money banks in the country. However, a major gap in the study is the neglect of the relationship factors (Chodechai, 2004), monetary authorities' guidelines and collateral securities which play important role in lending decisions of commercial banks in the country.

Adedoyin and Sobodun (1996) lay emphasis only on intermediation activities of deposit money banks. They posit that lending is undoubtedly the heart of banking business, and therefore, the administration of lending requires bank management to employ skill and dexterity in policy formulation and application that would guarantee reasonable income and adequate liquidity while ensuring safety of bank's funds. Furthermore, Adedoyin and Sobodun (1996) posit that commercial banking in Nigeria has gone through an era of impressive profitability arising from huge deposits and varied investment opportunities but characterized by high competition. The gap in this study is that the banking era of the 1990s in the country has been swept away by widespread distress and failure in the industry to the extent that only a few deposit money banks are in operations these days.

Usman (1999), posits that the factors that affect commercial banks' lending behaviour depend on the choice of certain policy instruments in their banking operations. Such policy instruments (Usman, 1999) include a rigidly administered interest rate structure, directed credit, unremunerated reserve requirements and stabilizing liquidity control measures like the stabilization securities. Furthermore, Usman (1999) observes that "a major regulation affecting commercial banks' lending in Nigeria is the restriction on the amount of interest banks are allowed to pay on deposits which in turn affects their efforts to attract reasonable volume of deposits and the interests they charge on their loans and advances. However, the study does not consider holistically the factors that influence the behaviour of bank lending generally except a few factors such as interest rate structure, directed credit, reserve requirements and liquidity control measures (e.g., stabilization securities, which he highlighted.

Osayameh (1991) opines that the increasing trend in bad debts and absence of basic business/corporate advisory services in most Nigerian commercial banks, are indicative of an apparent lack of use of effective lending and credit administration techniques in these banks. Furthermore, Osayameh (1991) observes that since 1980s interest rates for both deposits and loans are being heavily regulated and therefore, the money deposit banks should pay adequate attention to lending and credit administration given the fact that lending constitutes the single most important source of their earnings. Moreso, in the study, Osayameh (1991) posits that the present volume and complexity of transaction in bank lending and credit administration in the country call for the use of scientific techniques such as operations research to aid their lending and credit administration. In this study, the researcher does not identifying explicitly the factors that influence lending behaviour in money deposit banks in the country other than mere making allusion to regulation and interest rate.

Chizea (1994) posits that there are certain aspects of fiscal and monetary policies which affect the lending behaviour of commercial banks with emphasis on the interest rate regime. Furthermore, Chizea (1994) observes that the low interest rates being required by commercial banks to be charged on agricultural loans serve as disincentive because of the effect of inflation. The gap inherent in this treatise is the emphasis on interest rate as the only factor affecting bank lending behaviour in agricultural financing.

Ewert and Schenk (1998) observe that big companies that provide more collateral sends some signals to convince banks that they are less risky customers, with the hope type of securing lower interest rates. This is not the case with high risky companies that are required to comply with provision of collaterals and restrictive covenants, and yet are still charged higher interest rates on loan facilities. The shortcomings in this study include; consideration of interest rate as the only factor affecting bank lending behavior, and the fact that the study is based on German economy.

Chodechai (2004) investigates factors that affect interest rates, degree of lending volume and collateral setting in the loan decision of banks. The emphasis of the study is on mainly on the influence of interest rates on lending behaviour of banks to the neglect of other significant factors that affect the behaviour of commercial banks in lending generally. Furthermore, the study is based on a distinct economic clime with peculiar regulatory framework and banking practices which are different from what obtains in Nigeria's banking industry. However, this study is based in the context of what obtains in another economy.

Olusanya, Oyebo, and Ohadebere (2012) observe that there is positive relationship between Loan and advances and Volume of deposits, annual average exchange rate of the naira to dollar, Gross domestic product at current market price and cash reserve requirement ratio except Investment portfolio and Interest rate (lending rate) that have a negative relationship. And that there is a long run relationship between Loan and advances and all the explanatory variables in their model, which is indicative that commercial banks also influence their lending behaviour.

Some previous empirical studies provide evidence of a causal relationship between the size of bank capital and the extent of banking sector credit (Fadare, 2010). Bernanke and Lown (1991) observe that the size of bank capital has a positive and significant effect on bank lending.

## 2.2 CONCEPTUAL CLARIFICATION

Bank lending is inherently ingrained in financial intermediation. The commercial banks which otherwise are called deposit money banks operate on financial intermediation. These banks usually source for funds through deposits from customers while they lend such funds out to corporate bodies, government at various levels, institutions, and individuals. Lending of funds (Nwankwo, 2000; Olokoyo, 2011) constitutes the largest single income-earning asset in the portfolio of most deposit money banks generally. Therefore, banks deploy huge resources to manage the quality of their loan portfolio. This is justifiably imperative when considered in line with the fact that practice of credit management and administration impacts significantly on magnitude and diversification of banks' loans.

The practice of lending by deposit money banks essentially constitutes the pivot of their operations and business. This is the more reason which informs their deployment of considerable expertise and deftness on the part of the bank management teams on lending administration and management. Basically deposit money banks are normally irreversibly committed to honour the constant demands of the depositors. This explains the reason why they are under operational obligations to determine appropriate avenues where deposit funds could be placed to generate reasonable returns while striving to maintain liquidity through pragmatic lending policies (Adedoyin and Sobodun, 1996).

Goldfield and Chandler (1980) succinctly observe that commercial banks usually pay more attention to liquidity because of the high turnover of their debt liabilities. Furthermore, the practice is that a large quantum of the periodic payments by a bank is normally met from current gross receipt of funds in the normal course of the banking business. The ability of money deposit banks to ensure their liquidity and survival while contributing towards promoting growth and development of the economy depends on their effective handling of lending operations. This explains why transactions on loans and advances are carried out with trust and confidence devoid of lending risks. The required safe and sound bank lending practices involves taking into cognizance the regulatory requirements and the internally entrenched factors affecting loans and advances (John, 1993).

Similarly, Ituwe (1983) contends that a bank's ability to grant loans and advances is curtailed by the quantum of cash in its vault. The demands by depositors in terms of withdrawals from their deposits have to be met instantaneously. Money deposit banks, therefore, typically maintain reasonable quantity of cash to meet their customers' demands, which implies that these banks cannot afford to grant loans and advances in excess of the available cash liquidity. This is where liquidity in banking operations also affects the lending behaviour of deposit money banks.

Generally, monetary policy also affects bank assets which do arise because of their lending (loans) as well as banks' liabilities (deposits). The implication of operations of monetary policy is that besides shifting the supply of deposits it also shifts the supply of bank loans.

## 2.3 CONCEPTUAL FRAMEWORK OF THE STUDY

There are many theories which seek to explain the behaviour of money deposit banks in their lending activities in various economies around the world. For the purpose of this study, the theory that is considered relevant is the loan pricing theory.

The loan pricing theory posits that banks cannot always set high interest rates by trying to earn maximum interest income. Banks should consider the problems of adverse selection and moral hazard since it is very difficult to forecast the borrower type at the start of the banking relationship (Stiglitz and Weiss, 1981). If banks set interest rates too high, they may induce adverse selection problems because high-risk borrowers are willing to accept these high rates. Once these borrowers receive the loans, they may develop moral hazard behaviour or so-called borrower moral hazard since they are likely to take on highly risky projects or investments (Chodechai, 2004). From the reasoning of Stiglitz and Weiss (1981), it is usual that in some cases we may not find that the interest rate set by banks is commensurate with the risk of the borrowers.

### 3.0 FINDINGS AND DISCUSSION OF RESULTS

The multiple regression formulated for the study has the general equation for ECM and Co-integration test is as follows:

$$Y_t = \beta_0 + \beta_1 X_{1t} + \dots + \beta_n X_{nt} + U_t \text{ and } \Delta Y_t = \beta_1 + \beta_2 \Delta X_{1t} + \dots + \beta_n \Delta X_{nt} + \delta u_{t-1} + \epsilon_t \dots \quad (1)$$

$Y_t$  = the dependent variable

$\beta_0$  = the intercept term

$\beta_1$  = the regression coefficient,

$X_t$  = a set of explanatory variables,

$\mu_t$  = the error term.

Therefore, in re-specifying the model above to capture the objective of our study, we have:

$$LOA = F(LRt, VD, LR, CRR) \dots \quad (2)$$

Where LOA is the volume of loan and advance, LRt is lending rate, VD is volume of deposit, LR is the liquidity ratio and CRR is the cash reserve ratio. Appendix 1 is the data used for the study as generated from the apex bank's statistical publication.

Dependent Variable: LOA

Method: Least Squares

Date: 05/10/13 Time: 01:50

Sample: 1990 2011

Included observations: 22

TABLE I

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	116512.14	4206783.	2.769625	0.0000
VD	-12.37942	44.64283	-0.277299	0.7849
LRt	310048.9	137373.8	-2.256973	0.0000
LR	2476.521	80150.05	-0.030899	0.9757
CRR	402260.9	265206.9	-1.516781	0.0004
R-squared	0.967041	Mean dependent var	2231216.	
Adjusted R-squared	0.865168	S.D. dependent var	3162232.	
S.E. of regression	2312609.	Akaike info criterion	32.34237	
Sum squared resid	9.09E+13	Schwarz criterion	32.59033	
Log likelihood	-350.7660	Hannan-Quinn criter.	32.40078	
F-statistic	15.566175	Durbin-Watson stat	1.800224	
Prob(F-statistic)	0.000000			

From the result of the test (Table I above), there is a negative/inverse relationship between volume of deposit (VD) and volume of loans and advances (VLA), that is, 1 unit increase in volume of deposit (VD) will lead to -12.37942 units decrease in volume of loans and advances, which implies that as volume of deposit (VD) increases overtime, the volume of loans and advances and vice versa.

However, it is known from the result as shown above that there is a direct/positive relationship between lending rate (LRt) and volume of loans and advances (VLA), that is, 1 unit increase in volume of loans and advances (VLA) will lead to 310048.9 unit increase in lending rate (LRt)

Furthermore, it is also seen that there is a direct/positive relationship between liquidity ratio (LR) and volume of loans and advances (VLA), which implies that 1 unit increase in the volume of loans and advances (VLA) will lead to 2476.521 unit increases in liquidity ratio (LR). Also, there is a direct relationship between cash reserve ratio (CRR) and volume of loans and advances (VLA), which implies that 1 unit increase in volume of loans and advances (VLA) will lead to 402260.9 unit increase in cash reserve ratio (CRR).

However, the t statistic for volume of deposit is not statistically significant using 5% level of significance. It implies that 5% level of significance is 1.96 which is the tabulated value and the calculated value is -0.277299. Therefore,  $1.96 > -0.27729$  then acceptable the null hypothesis and reject the alternative hypothesis, then we conclude that the parameter volume of deposit (VD) is not statistically significant at 5% level of significance. The implication of this is all the parameters are not good explanatory variables for loans and advances.

Furthermore, the F statistic calculated is 15.566275 and using 5% level of significance, F tabulated value is 2.442. Since F calculated is greater than F tabulated, we reject the null hypothesis and accept the alternative hypothesis and conclude that the overall parameter is statistically significant.

Date: 05/10/13 Time: 01:42

Sample (adjusted): 1992 2011

Included observations: 20 after adjustments

Trend assumption: Linear deterministic trend

Series: LOA VD LR LQR RESQ

Lags interval (in first differences): 1 to 1

TABLE II: UNRESTRICTED COINTEGRATION RANK TEST (TRACE)

Hypothesized	Trace	0.05	
No. of CE(s)	Eigenvalue	Statistic	Critical Value Prob.**
None	0.778192	69.72125	63.81889 0.0000
At most 1*	0.536186	47.60236	33.85613 0.0003
At most 2*	0.488569	29.23691	18.79707 0.0005
At most 3*	0.212859	15.826041	8.49471 0.0000
At most 4*	0.001953	3.639092	0.841466 0.0000

The trace test indicates a co-integration at 5% level of significance (0.05) and the Table II above revealed that null hypothesis of co-integration is rejected. This implies that the long-run test revealed co-integration relationship among variables that were included except only one variable. Therefore, we deduced that there is long-run relationship between volume of loans and advances and its explanatory variables (LRt, LR, and VD) except cash reserve ratio (CRR) that has no long-run relationship with the dependent variable (volume of loans and advances)

TABLE III: UNRESTRICTED COINTEGRATION RANK TEST (MAXIMUM EIGENVALUE)

Hypothesized		Max-Eigen	0.05	
No. of CE(s)	Eigenvalue	Statistic	Critical Value	Prob.**
None	0.778192	33.11889	30.87687	0.0000
At most 1*	0.536186	27.36545	15.58434	0.0008
At most 2*	0.488569	21.41087	13.13162	0.0002
At most 3*	0.212859	14.786949	4.26460	0.0000
At most 4*	0.001953	3.239092	0.841466	0.0000

Max-eigenvalue test indicates no cointegration at the 0.05 level

\* denotes rejection of the hypothesis at the 0.05 level

\*\*MacKinnon-Haug-Michelis (1999) p-values

TABLE IV: UNRESTRICTED COINTEGRATING COEFFICIENTS (normalized by  $b^*S_{11}b=1$ ):

VLA	VD	Lrt	LR	CRR
2.51E-07	-8.07E-05	0.218839	-0.198523	0.742492
-1.72E-07	-9.77E-05	-0.172419	0.168608	-0.244312
-8.49E-08	3.27E-05	0.411565	0.052563	-0.545454
4.57E-07	9.06E-06	0.281802	0.144064	-0.168509
-2.84E-07	2.25E-05	0.022279	0.047795	-0.012361

The result of the above test from Tables III and IV(Maximum Eigen Value) reveals that all the explanatory variables except cash reserve ratio (CRR0 has long-run relationship with the dependent variable (volume of loans and advances) at 5% level of significance.

TABLE V: UNRESTRICTED ADJUSTMENT COEFFICIENTS (alpha)

D(VLA)	61377.52	60659.41	-44962.82	-84538.92	-20286.22
D(VD)	11166.03	5302.401	2653.425	639.2220	28.41468
D(LRt)	-1.500583	1.583249	-1.090790	-0.621155	0.054097
D(LR)	2.753486	-2.893073	-0.655878	-1.761016	-0.056330
D(CRRR)	-0.270366	0.046504	0.452462	-0.411769	0.031163
1 Cointegrating Equation(s):		Log likelihood	-643.6512		
Normalized cointegrating coefficients (standard error in parentheses)					
LOA	VD	Lrt	LR	CRR	
1.000000	-321.5608	871719.6	-790793.0	2957636.	
	(78.0926)	(295413.)	(178100.)	(538366.)	
Adjustment coefficients (standard error in parentheses)					
D(VLA)	0.015408				
	(0.03526)				
D(VD)	0.002803				
	(0.00071)				
D(LRt)	-3.77E-07				
	(2.3E-07)				
D(QR)	6.91E-07				
	(4.1E-07)				
D(CRR)	-6.79E-08				
	(9.2E-08)				
2 Cointegrating Equation(s):		Log likelihood	-635.9684		
Normalized cointegrating coefficients (standard error in parentheses)					
VLA	VD	Lrt	LR	CRR	
1.000000	0.000000	919303.9	-859602.0	2402784.	
		(316219.)	(198845.)	(545769.)	
0.000000	1.000000	147.9789	-213.9844	-1725.496	
		(867.756)	(545.664)	(1497.68)	

Adjustment coefficients (standard error in parentheses)				
D(VLA)	0.004985	-10.88032		
	(0.04242)	(17.6689)		
D(VD)	0.001892	-1.419354		
	(0.00074)	(0.30762)		
D(LRt)	-6.49E-07	-3.35E-05		
	(2.5E-07)	(0.00010)		
D(LR)	1.19E-06	6.03E-05		
	(4.3E-07)	(0.00018)		
D(CRR)	-7.59E-08	1.73E-05		
	(1.1E-07)	(4.6E-05)		
3 Cointegrating Equation(s):	Log likelihood	-629.2630		
Normalized cointegrating coefficients (standard error in parentheses)				
VLA	VD	LRt	LR	CRR
1.000000	0.000000	0.000000	-834093.6	2943317.
			(247960.)	(658648.)
0.000000	1.000000	0.000000	-209.8783	-1638.487
			(548.856)	(1457.91)
0.000000	0.000000	1.000000	-0.027747	-0.587981
			(0.17945)	(0.47666)
Adjustment coefficients (standard error in parentheses)				
D(VLA)	0.008804	-12.34843	-15532.20	
	(0.04386)	(18.1729)	(69017.2)	
D(VD)	0.001667	-1.332715	2621.383	
	(0.00073)	(0.30271)	(1149.65)	
D(LRt)	-5.56E-07	-6.91E-05	-1.050299	
	(2.4E-07)	(9.9E-05)	(0.37413)	
D(LR)	1.24E-06	3.89E-05	0.831453	
	(4.5E-07)	(0.00019)	(0.70347)	
D(CRR)	-1.14E-07	3.21E-05	0.119033	
	(1.1E-07)	(4.5E-05)	(0.17055)	
4 Cointegrating Equation(s):	Log likelihood	-626.8695		
Normalized cointegrating coefficients (standard error in parentheses)				
VLA	VD	LRt	LR	CRR
1.000000	0.000000	0.000000	0.000000	864691.3
				(326494.)
0.000000	1.000000	0.000000	0.000000	-2161.521
				(612.371)
0.000000	0.000000	1.000000	0.000000	-0.657130
				(0.20853)
0.000000	0.000000	0.000000	1.000000	-2.492078
				(0.40280)
Adjustment coefficients (standard error in parentheses)				
D(VLA)	-0.029841	-13.11440	-39355.41	-16499.57
	(0.07605)	(17.9549)	(78200.7)	(41371.0)
D(VD)	0.001959	-1.326924	2801.516	-1091.121
	(0.00128)	(0.30255)	(1317.71)	(697.115)
D(LRt)	-8.40E-07	-7.48E-05	-1.225341	0.418027
	(4.1E-07)	(9.6E-05)	(0.41868)	(0.22149)
D(LR)	4.39E-07	2.30E-05	0.335196	-1.322600
	(7.4E-07)	(0.00017)	(0.75902)	(0.40155)
D(CRR)	-3.03E-07	2.83E-05	0.002996	0.025976
	(1.8E-07)	(4.2E-05)	(0.18488)	(0.09781)

The result of Table V above indicates that after adjustment all the parameters have long-run relationship with the adjusted variable (volume of loans and advances). Note that cash reserve ratio is now co-integrated with the volume of loans and advances after using the log-likelihood analysis. In conclusion, there is a long-run relationship between the determinants of lending behavior of DMBs and the volume of loans and advances by the banks. while standard error and the values of t-statistic have been shown.

FIGURE 1

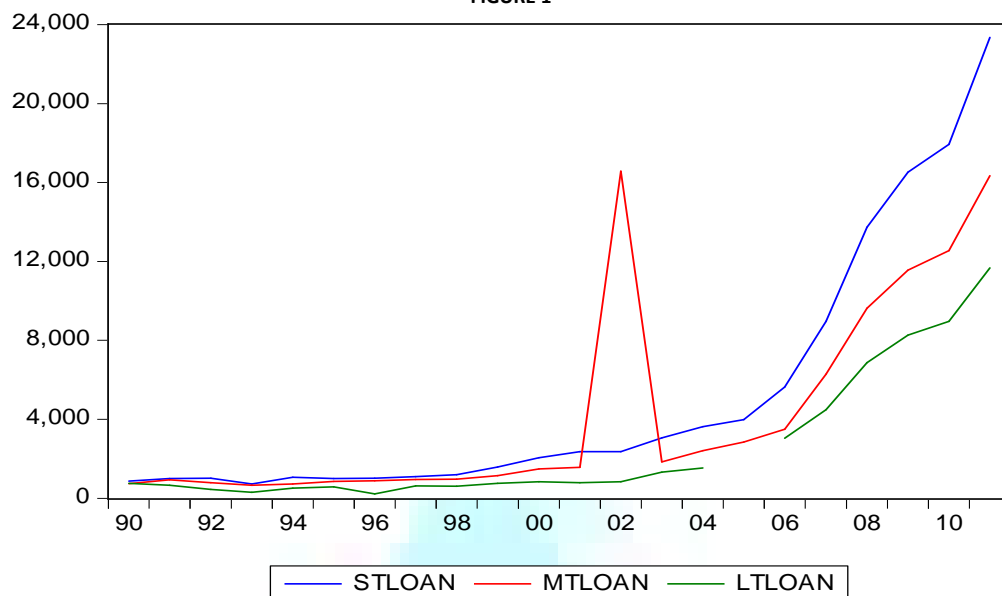


FIGURE 2

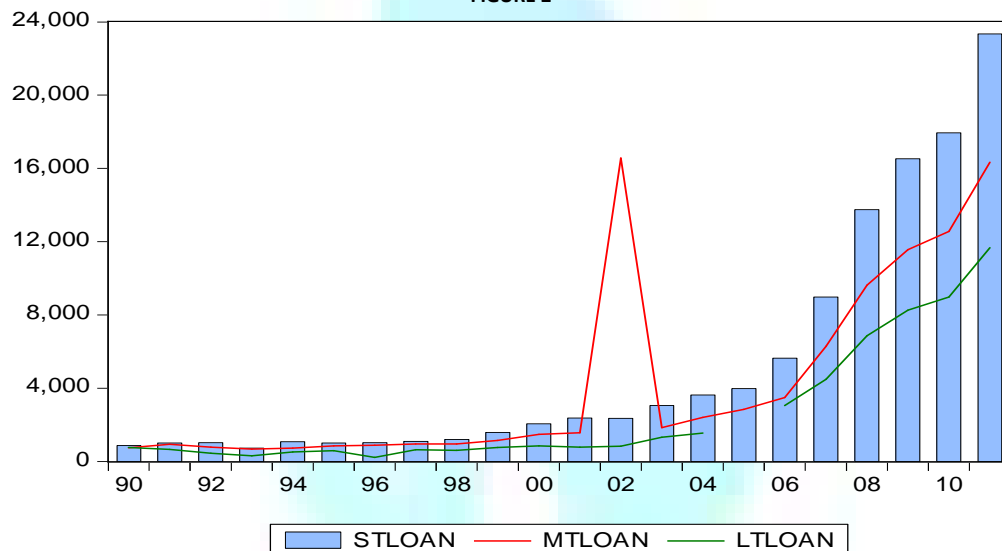
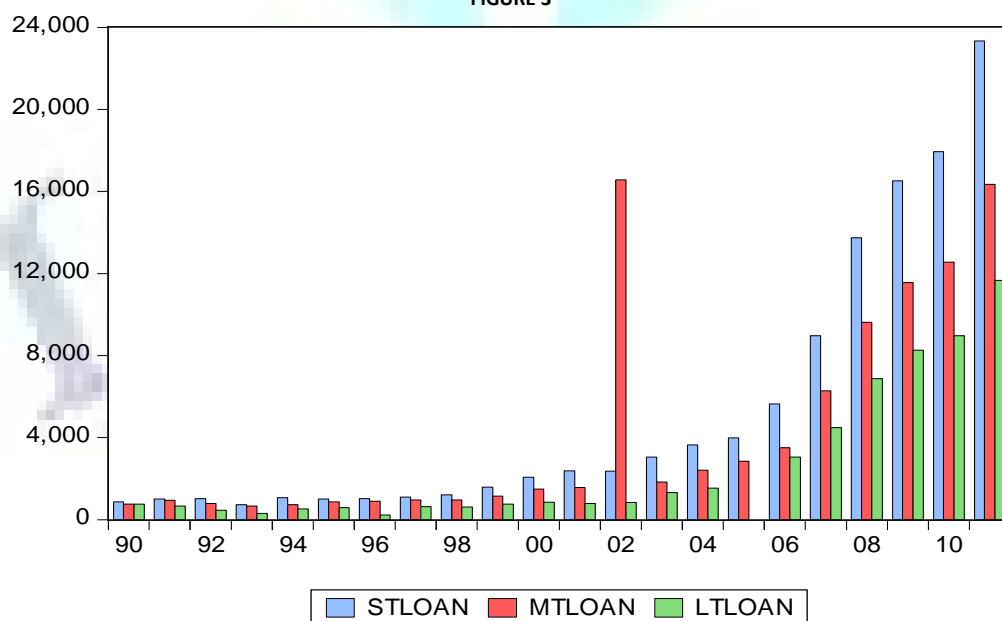


FIGURE 3



The result of the study from Figures I to III also showed that the structure that the proportionate volumes of short-term lending by deposit money banks to the economy during the period under review (1990 – 2011) are greater than the loans and advances granted on the bases of medium-term and long-term to the

economy. It was only during the year 2002 that the volume of loans and advances on medium-term basis astronomically outstrips the volumes of lending on both short-term and long-term bases as depicted by Figure 3 above.

## CONCLUSION & RECOMMENDATION

This study focuses on the determinants of lending behaviour of deposit money banks in Nigeria. In basic terms, the lending capacity of deposit banks is affected by factors such as volume of deposit, lending or interest rate, cash reserve ratio, and liquidity ratio, among others.

The regression result reveals that about 96% of the systematic variation in the dependent variable is explained by the four (4) independent variables such as LR, VD, RESQ and LQR. The F-statistic is significant at the 5% level showing that there is a linear relationship between LOA and the four (4) independent variables used for the regression. The result revealed that volume of deposit (VD), lending rate (LR), liquidity ratio (LQR) and cash reserve ratio (RESQ) are the main determinants of lending behaviour of deposit money banks in Nigeria. The implication of this is that a change in these variables will have a great change in banks' loans and advances to the economy.

Conclusively, the short-term lending of deposit money banks, as discovered from the study, has been on the increase throughout the period under review due to increase in short-term deposits except in 2002 when there is enormous increase in medium-term lending. However, the volume of short-term loans continues to dominate the lending portfolio of these banks from 2003 till 2011. This means that a reasonable number of bank customers were favoured for loans and advances which were granted to them for use for a reasonable number of months far beyond a period of one year within the period under review.

Based on the findings of this study, the it is recommended that the Central Bank of Nigeria should be using the regulatory variables (monetary policy rate, cash reserve ratio, and liquidity ratio) in such a way that will enhance robust volume of lending by such banks in order to grow the economy.

## REFERENCES

1. Adebisi, O. (1994). "Nigerian Banking System and Policy", *Central Bank of Nigeria Economic and Financial Review*, 32(3), pp. 31-34.
2. Adedoyin, O. and Sobodun, B. (1996). "Commercial Banks Lending Activities in Nigeria", *Nigerian Financial Review*, 9(3), pp. 36 – 37.
3. Ajayi, S. A. (2007). "Major Determinants of Loans and Advances in the Nigerian Financial System", *Nigerian Journal of Banking and Financial Issues*, 5, pp. 13-14.
4. Bernanke, B. S. and Lown, C. S. (1991). The Credit Crunch, *Brookings Papers on Economic Activity*, No. 2, pages 205-248.
5. Carletti, E., Cerasi, V. and Daltung, S. (2006). "Multiple-Bank Lending: Diversification and Free-riding in Monitoring", *Working Paper*, Department of Statistics: Universita degli Studi di Milano-Bicocca.
6. Chizea, B. (1993, Sept- Dec.). "Commercial Banks and Recent Challenges", *The Nigerian Banker*, pp 16-18.
7. Chizea, B. (1994). *Finance for Farming: A Guide to the Lending Banker*; Lagos: Institute of Banker, Nigeria.
8. Chodechai, S. (2004). *Determinants of Bank Lending in Thailand: An Empirical Examination for the years 1992 – 1996*, Unpublished Thesis.
9. Degryse H., Masschelein, N. and Mitchell, J. (2004). "SMEs and Bank Lending Relationships: the Impact of Mergers", *National Bank of Belgium Working Paper*, No. 46.
10. Dickey, D. A. and Fuller, W. A. (1979). "Distribution of the Estimators for Autoregressive Time Series with a Unit Root", *Journal of the American Statistical Association*, 74, pp.427-431, doi:10.2307/2286348. Retrieved on 21 February, 2013. (<http://dx.doi.org/10.2307/2286348>).
11. Ewert, R. and Schenk, G. (1998). Determinants of Bank Lending Performance, *Working Paper*, Center for Financial Studies, University of Frankfurt.
12. Ewert, R., Szczermy, A. and Schenk, G. (2000). "Determinants of Bank Lending Performance in Germany" *Schmalenbach Business Review (SBR)*, 52, pp. 344 – 362.
13. Ezekiel, E.S. (1997). *The Elements of Banking*, Lagos: Africa Publication Ltd.
14. Fadare, S. O. (2010). Recent Banking Sector Reforms and Economic Growth in Nigeria, *Middle Eastern Finance and Economics Journal*, Issue 8. P.153. Retrieved on 21 February, 2013. (<http://www.eurojournals.com/MEFE.htm>)
15. Foluso, O. (1998). *The Practice of Banking*, Akure: Trudon publishers.
16. Godlewski C. J. and Ziane, Y. (2008). "How Many Banks Does it Take to Lend? Empirical Evidence from Europe", *Working Paper*, Laboratoire de Recherche en Gestion & Economie
17. Goldfield, M. and Chandler, L. (1986). *The Economics of Money and Banking*, 9th edition, New York: Harper and Row Publishers.
18. Hancock, D, Laing, A and Wilcox, J (1995). Bank capital shocks: dynamic effects on securities, loans, and capital, *Journal of Banking and Finance*. Vol. 19. PP. 661-677.
19. Idowu, K.O. (2005). "A Preliminary Investigation into the Causal Relationship between Exports and Economic Growth in Nigeria", *CBN Economic and Financial Review*, 43(3), pp 29-50
20. Ituwe, C.E. (1985). *Elements of Practical Banking*, Ibadan: University Press
21. Jessup, P. F. (1980). *Modern Bank Management*, New York: West Publishing Company.
22. Jhingan, M. L. (2008). *Money, Banking, International Trade and Public Finance*, 7<sup>th</sup> Edition, Delhi: Vrinda Publications (P) Ltd.
23. John, P.O. (1993). *A Practical Guide to Bank Lending and Administration*, Lagos: Du Prince and Pal.
24. Lockett, D. G. (1984). *Money and Banking*, Singapore: McGraw-Hill Book Co. International Edition.
25. Manove, M., Padilla, A. J. and Pagano, M. (2000). Collateral vs. Project Screening: A Model of Lazy Banks, *Paper Presented at the Seminar Competition among Banks: Good or Bad?* Institute für Kapitalmarktforschung, Johann Wolfgang Goethe-Universität.
26. Nwankwo, G. O. (1990). *Prudential Regulation of Nigerian Banking*, Lagos: University of Lagos Press.
27. Nwankwo, G. O. (2000). "Organizing for Financial Risk Management", *The Credit Administrator*, 2(2), pp.32-39
28. Ojo, J. A. T. (1999). "Roles and Failures of Financial Intermediation by Banks", *CBN Bullion*, 23(3), pp 10-12.
29. Olokoyo, F. O. (2011). Determinants of Commercial Banks' Lending Behavior in Nigeria, *International Journal of Financial Research* Vol. 2, No. 2; July, pp. 61-72. Retrieved on 21 February, 2013. ([www.sciedu.ca/ijfr](http://www.sciedu.ca/ijfr))
30. Oloyede, B. (1999). *Principles of Money and Banking*, Ado: Forthright Educational Publishers.
31. Olusanya, S.O., Oyebo, A. O. and Ohadebere, E.C. (2012). Determinants of Lending Behaviour Of Commercial Banks: Evidence From Nigeria, A Co-Integration Analysis (1975-2010), *IOSR Journal Of Humanities And Social Science (JHSS)* ISSN: 2279-0837, ISBN: 2279-0845. Volume 5, Issue 5. (<http://iosrjournals.org/iosr-jhss/papers/Vol5-issue5/G0557180.pdf>)
32. Ongena, S. and Smith, D. C. (2000). "What Determines the Number of Bank Relationships?: Cross Country Evidence", *Journal of Financial Intermediation*, 9, pp. 26-56, doi:10.1006/jfin.1999.0273. Retrieved on 21 February, 2013. (<http://dx.doi.org/10.1006/jfin.1999.0273>).
33. Osabuohien, E.S.C. (2007). "Trade Openness and Economic Performance of ECOWAS Members: Reflections from Ghana and Nigeria", *African Journal of Business and Economic Research*, 2(2 & 3), pp. 57-70
34. Osayameh, R. (1991). "Lending and Credit Administration Model for Commercial Banks", *Nigerian Financial Review*, 4(2), pp.55-60.
35. Osayameh, R. (1996). *Practice of Banking: Lending and Finance*, Vol. 2, Lagos: F.A. Publishers.
36. Padilla, A. J. and Pagano, M. (1997). "Endogenous Communication among Lenders and Entrepreneurial Incentives", *Review of Financial Studies*, 10, pp. 205-236, doi:10.1093/rfs/10.1.205. Retrieved on 21 February, 2013.
37. Soyinbo, A. and Sobodun, O. (1991). "A Multi-Objective Lending and Credit Administration Model for Commercial Banks," *Nigerian Financial Review*, 4(2), pp.55-60.
38. Usman, S. (1999, Jan- March). "Bank Regulation and Supervision in Nigeria", *The Nigerian Banker*, pp 7-9

## WEBSITE

39. <http://dx.doi.org/10.1093/rfs/10.1.205>

## APPENDIX I

YEAR	LOA	VD	LR	LQR	STLOAN	MTLOAN	LTLOAN	RESQ
1990	26000	8,360.00	27.7	44.3	875	749.9	765.1	2.9
1991	31306.2	10,580.70	20.8	38.6	998.5	943.2	654.3	2.9
1992	42735.8	4,612.20	31.2	29.1	1022.6	781.6	453.7	4.4
1993	65665.3	19,542.30	18.32	42.2	727	663.2	306.1	6
1994	66127.6	4,855.20	21	48.5	1066.6	731.1	516.1	5.7
1995	114668.9	8,807.10	20.8	33.1	996.5	852.7	585.6	5.8
1996	169437.1	12,442.00	20.86	43.1	1020.8	898.8	221.9	7.5
1997	385551	19,047.60	23.32	40.2	1091.9	954	632.2	7.8
1998	272895.5	18,513.80	21.34	46.8	1204.1	960.8	608.1	8.3
1999	322764.9	15,860.50	27.2	61	1574.2	1153.4	763.7	11.7
2000	508302.2	20,640.90	21.55	64.1	2068.7	1490.2	841.5	9.8
2001	796164.8	16,875.90	21.34	52.9	2376.8	1564.2	792.3	10.8
2002	954628.8	14,861.60	29.7	52.5	2354.7	16562.9	833.5	10.6
2003	1210033	20,551.80	22.47	50.9	3060.3	1841.9	1322.7	10
2004	1519243	64,490.00	20.62	50.5	3634	2401.6	1548.4	8.6
2005	1847823	18,461.90	19.47	50.2	3975.6	2839.3	2,453.8	9.7
2006	2524298	3,118.60	17.26	55.7	5635.1	3500	3048.2	7.4
2007	4813489	3,082.30	16.94	48.8	8975.6	6282.9	4487.8	3
2008	7799400	13,411.80	15.14	44.3	13738.4	9616.9	6869.2	1.3
2009	8912143	6,025.50	18.36	30.7	16515	11560.5	8257.5	2
2010	7706431	988.28	17.59	30.4	17942.2	12559.5	8971.1	1
2011	8997654	1,025.20	16	31.7	23343.9	16340.7	11672	1

Source: CBN Statistical Bulletin 2012

## **REQUEST FOR FEEDBACK**

**Dear Readers**

At the very outset, International Journal of Research in Commerce, Economics & Management (IJRCM) acknowledges & appreciates your efforts in showing interest in our present issue under your kind perusal.

I would like to request you to supply your critical comments and suggestions about the material published in this issue as well as on the journal as a whole, on our E-mail [infoijrcm@gmail.com](mailto:infoijrcm@gmail.com) for further improvements in the interest of research.

If you have any queries please feel free to contact us on our E-mail [infoijrcm@gmail.com](mailto:infoijrcm@gmail.com).

I am sure that your feedback and deliberations would make future issues better – a result of our joint effort.

Looking forward an appropriate consideration.

With sincere regards

Thanking you profoundly

**Academically yours**

Sd/-

**Co-ordinator**

## **DISCLAIMER**

The information and opinions presented in the Journal reflect the views of the authors and not of the Journal or its Editorial Board or the Publishers/Editors. Publication does not constitute endorsement by the journal. Neither the Journal nor its publishers/Editors/Editorial Board nor anyone else involved in creating, producing or delivering the journal or the materials contained therein, assumes any liability or responsibility for the accuracy, completeness, or usefulness of any information provided in the journal, nor shall they be liable for any direct, indirect, incidental, special, consequential or punitive damages arising out of the use of information/material contained in the journal. The journal, nor its publishers/Editors/Editorial Board, nor any other party involved in the preparation of material contained in the journal represents or warrants that the information contained herein is in every respect accurate or complete, and they are not responsible for any errors or omissions or for the results obtained from the use of such material. Readers are encouraged to confirm the information contained herein with other sources. The responsibility of the contents and the opinions expressed in this journal is exclusively of the author (s) concerned.

## ABOUT THE JOURNAL

In this age of Commerce, Economics, Computer, I.T. & Management and cut throat competition, a group of intellectuals felt the need to have some platform, where young and budding managers and academicians could express their views and discuss the problems among their peers. This journal was conceived with this noble intention in view. This journal has been introduced to give an opportunity for expressing refined and innovative ideas in this field. It is our humble endeavour to provide a springboard to the upcoming specialists and give a chance to know about the latest in the sphere of research and knowledge. We have taken a small step and we hope that with the active co-operation of like-minded scholars, we shall be able to serve the society with our humble efforts.

### *Our Other Journals*

