

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.)],

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 2592 Cities in 161 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

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No.
1.	DIRECTION AND TRENDS OF INDIA'S PINEAPPLE EXPORTS: A STUDY IN THE FREE TRADE REGIME JOMY M THOMAS & DR. MARY JOSEPH	1
2.	A STUDY ON HOUSEHOLDS' CONSUMPTION PATTERN OF AAVIN MILK IN ERODE DISTRICT SARAVANAN. R., YOGANANDAN. G., RUBY. N & KARTHI.C	6
3.	A JOURNEY FROM FERA TO FEMA & ITS IMPACT ON FOREX DHEERAJ GANDHI & DR. I.C.KASHYAP	10
4.	EMERGENCE OF MORAL PRINCIPLES AND ETHICS IN MANAGEMENT EDUCATION U. PADMAVATHI	15
5.	EMPOWERMENT OF WOMEN THROUGH MICROFINANCE: A STUDY IN CHITTOOR DISTRICT K. RAMANAMMA & P. MOHAN REDDY	18
6.	THE IMPACT OF MACROECONOMIC VARIABLES ON STOCK MARKET INDEX: AN EMPIRICAL STUDY PRADEEP K & DR. Y. NAGARAJU	22
7.	IMPACT OF COALMINE INDUSTRIAL EFFLUENTS ON PRODUCTIVITY OF PULSE CROP DR. S. RADHA KRISHNA	29
8.	IMPACT OF MERGER ON THE PROFITABILITY PERFORMANCE OF REGIONAL RURAL BANKS (RRBs) IN BIHAR STATE OF INDIA: AN EMPIRICAL STUDY DR. MANAS CHAKRABARTI	32
9.	PERFORMANCE OF MGNREGA IN MANIPUR: A CROSS DISTRICT ANALYSIS JIYAUUR RAHMAN & ZEBBA SHEEREEN	37
10.	A STUDY ON PROSPECTS AND FINANCE PROBLEMS OF FOOD BASED SMALL SCALE INDUSTRIES WITH SPECIAL REFERENCE TO MADURAI DR. S.FATIMA ROSALINE MARY & D.ANUSANKARI	42
11.	PROGRESS AND PERFORMANCE OF PRIMARY AGRICULTURE CO-OPERATIVE SOCIETIES IN INDIA PARDEEP KUMAR CHAUHAN	48
12.	SUSTAINABLE GROWTH: UTILIZATION OF NATURAL RESOURCES V. VANEENDRA SASTRY	51
13.	HEALTH INFRASTRUCTURE IN HARYANA: AN ANALYSIS ISHU GARG	54
14.	CHALLENGES AND OPPORTUNITIES FOR RURAL WOMEN ENTREPRENEURS JAINENDRA KUMAR VERMA	58
15.	A STUDY ON PERFORMANCE OF STATE CONSUMER DISPUTES REDRESSAL COMMISSIONS IN INDIA GURLEEN KAUR	60
16.	STUDY OF SENSITIVITY TOWARDS IMPORTANCE OF GEOGRAPHICAL INDICATION REGISTRY IN UTTARAKHAND DEEPAK JOSHI	63
17.	MARKET MIX STRATEGIES FOR DESTINATION AS A RURAL TOURISM PRODUCT AJAZ AHMAD DAR, HAMID ABDULLAH & PRIYA SINGH	70
18.	SPECIES-WISE MAJOR MARINE FISH PRODUCTION: TRENDS AND GROWTH PERFORMANCE IN SINDH DR. MOHAMMAD PERVEZ WASIM	74
19.	GOVERNMENT EXPENDITURE AND ECONOMIC GROWTH IN ASEAN-5: LONG-RUN TENDENCIES AND SHORT-TERM ADJUSTMENT EHSAN RAJABI & JUNAINA MUHAMMAD	85
20.	AN ASSESSMENT OF COMPETITIVE STRATEGIES ADOPTED BY COMMERCIAL COLLEGES IN NAIROBI, KENYA IN IMPROVING THEIR ENROLMENT CAPACITY ALICE WAIRIMU KANDE	90
21.	ORGANIZATIONAL ANALYSIS OF PANCHAYATI RAJ INSTITUTIONS IN INDIA PARDEP KUMAR CHAUHAN	95
22.	RELATIONSHIP BETWEEN EXCHANGE RATE AND TRADE BALANCE OF SOUTH ASIA: THE J-CURVE PATTERN ADNAN ALI SHAHZAD	99
23.	VOLATILITY IN GOLD PRICE IN INDIA: AN UPDATE MADHUSMITA BHUYAN	106
24.	A STUDY ON PERFORMANCE OF CONSUMER DISPUTES REDRESSAL AGENCIES IN STATE OF KARNATAKA GURLEEN KAUR	111
25.	THE LONG RUN RELATIONSHIP BETWEEN STOCK MARKET RETURNS AND INVESTMENT GROWTH IN NIGERIA: (1960 - 2010) DR. FREDRICK ONYEBUCHI ASOGWA	113
26.	THE EFFECT OF PENSION FUNDS ON THE GROWTH OF NIGERIAN ECONOMY SAMUEL, KEHINDE OLUWATOYIN & OKE, MARGARET ADEBIMPE	117
27.	AGRICULTURE AND WOMEN ENTREPRENEURSHIP IN INDIA HRIDESHWER GUPTA	123
28.	WOMEN ENTREPRENEURSHIP: AN EMERGING WORKFORCE IN 21 st CENTURY JAINENDRA KUMAR VERMA	126
29.	AN EMPIRICAL STUDY ON THE DYNAMICS OF COMMODITY DERIVATIVE MARKET'S IMPACT ON INDIAN INVESTMENT PRASAD R.A	128
30.	AGRICULTURAL GROWTH AND FOOD SECURITY: PROBLEMS AND CHALLENGES KUMARI MARY MATHE	131
	REQUEST FOR FEEDBACK	138

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 & 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 & 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 & Management, Kaithal

PROF. S. L. MAHANDRU

Principal (Retd.), Maharaja Agrasen College, Jagadhri

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

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

CO-EDITOR**DR. SAMBHAV GARG**

Faculty, Shree Ram Institute of Business & 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 & 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 & 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 & Tax Adviser, Panchkula

NEENA

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

LEGAL ADVISORS**JITENDER S. CHAHAL**

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

CHANDER BHUSHAN SHARMA

Advocate & 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 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>

GOVERNMENT EXPENDITURE AND ECONOMIC GROWTH IN ASEAN-5: LONG-RUN TENDENCIES AND SHORT-TERM ADJUSTMENT

EHSAN RAJABI
RESEARCH SCHOLAR
DEPARTMENT OF ECONOMICS
FACULTY OF ECONOMICS & MANAGEMENT
UNIVERSITI PUTRA MALAYSIA
MALAYSIA

JUNAINA MUHAMMAD
SR. LECTURER
DEPARTMENT OF ACCOUNTING & FINANCE
FACULTY OF ECONOMICS & MANAGEMENT
UNIVERSITY PUTRA MALAYSIA
MALAYSIA

ABSTRACT

A question of whether the government should intervene to correct for short-run fluctuations in economic activity has always been an interesting topic for economists. This paper investigates the impact of government expenditure on the economic growth in ASEAN-5 countries during 1980-2006 by using Pooled Mean Group. To examining both short run and long run effects, findings demonstrate that a large government expenditure influences the economic growth of countries negatively. This negative impact may be a sign of the lower productivity of the capital input in ASEAN-5 economies with a large government expenditure.

KEYWORDS

Pooled Mean Group (PMG), government expenditure, economic growth, ASEAN-5

JEL CLASSIFICATION

H59, O11, O53, C23

1. INTRODUCTION

There has been much debate on the role and the expenditure of government interference in the macroeconomic outlook throughout countries. As a result, governments attempt to stimulate economic growth through different instruments. Public expenditure has traditionally been a component of fiscal policy which is an instrument of the state to influence economic growth. Several models of government investment and growth have been designed to investigate the relation between government expenditure and economic growth.

Some empirical studies had evaluated impact of government expenditure on economic growth as like as Feder (1983), Landau (1983), Ram (1986), Grier and Tullock (1989), Romer (1990), Barro (1990, 1991), Levine and Renelt (1992), Devarajan *et al.* (1996), and Sala-i-Martin (1997). Most of the above studies used cross-section analysis to link measures of government spending with economic growth and produced varied evidence; the most common results show that government expenditure positively effect on economic growth (Abu-Bader & Abu-Qarn, 2003).

According to traditional Keynesian model, the expansion of government size may resist a recession. However, some works have an ongoing debate on the effects of government size on economic growth. Landau (1983), Engen and Skinner (1992), Folster and Henrekson (2001), and Dar and AmirKhalkhali (2002) find a negative relationship between government expenditure and economic growth. They believe that expanding government expenditure decreases return of government expenditure and over-expanding government expenditure will cause a crowded effect to private investment. In addition, government expenditure often goes to inefficient expenditure, which will cause a distorted allocation to the resource. When government expenditure raise, a government needs more taxes to support the expenditure, but expanding taxes will harm the economy (Chen & Lee, 2005). For the inconsistency of the above result, Vedder & Gallaway (1998) and Sheehy (1993) point out that the reason is that government expenditure and economic growth exist under a non-linear relationship.

On the contrary, when evaluating government expenditure patterns among Asian developing countries no clear trend can be recognized. This can be partially explained by the diverse assumptions of market forces implemented in these countries. In addition, a variety of government regimes are recognized which reflect the different roles of the State in different Asian developing countries (Sobhan, 1993). The main distinction is that the objective of government expenditure in developing countries is solely focused on economic expansion instead of maintaining the current level of economic wealth.

In addition, some researchers conclude that a significant positive relationship between government expenditure and economic growth is found only for developing nations but not for under-developed or developed nations (Gandhi, 1991; Ganti and Kolhuri, 1979; Murthy, 1993; Bairam, 1995).

This paper builds on the existing literature studying the long-term determinants of government expenditure and makes a step forward in two respects. First, there is an attempt to better disentangle cyclical from structural factors affecting the relation between government expenditure and GDP. Second, the panel dimension of the data set is exploited in such a way:

- (i) To improve the power of statistical tests for the analysis of the dynamic properties of macroeconomic series through panel unit root and cointegration tests;
- (ii) To obtain country-specific information on adjustment dynamics by means of pooled mean group estimation.

The aim of this paper is to examine the growth-government expenditure relationship in ASEAN-5 the twenty seven year period (1980 – 2006). The objective is to explore the determinants of the economic growth in ASEAN-5 and specifically to further investigate the impact of government expenditure on economic growth in ASEAN-5 during the period from 1980 through 2006 by using Pooled Mean Group (PMG) and Mean Group(MG) estimator s introduced by Pesaran, Smith, and Im (1999).

The paper is organized as follows. The next section provides theoretical framework. Section 3 describes the econometric methodology and data used for empirical analysis and section 4 proceeds to the empirical results. Finally, section 5 provides a summary of the empirical findings along with concluding remarks.

2. THEORETICAL FRAMEWORK

Government spending is particular interest in this work among the factors that determine the growth of an economy. While the Keynesian approach suggests fiscal policies to boost economic activity in times of recessions, the Classical economists oppose the government intervention. Classical economists believe that market forces quickly bring the economy to long-run equilibrium through adjustment in the market while Keynesians argue that the self-regulating mechanisms

in the economy fail to lead the economy back to equilibrium mainly due to inflexibility in the market. Thus, Keynesians suggest expansionary fiscal policies as a solution for long recessions. Classical and Neoclassical believe fiscal policies ineffective on the grounds of the well-known crowding-out phenomenon, i.e., as public spending increases, public goods are substituted for private goods, thus causing lower private spending on education, health, transportation, and other goods and services. In addition, in a case that governments use heavily borrowing to fund spending, pressures in the credit market result in higher interest rates, which slow down private investment. The subject that government spending enhances economic growth has supported by the introduction of new growth theories. Dissimilar with the neoclassical growth model don't suggest the channels through which fiscal policy may have positively effect on long-run economic growth. The new growth theorists such as Romer (1986) and Lucas (1988) suggest that there is both a temporary effect from government expending and a possible long-run influence from fiscal policy on growth.

Many empirical works of growth has used the Solow growth accounting approach as foundation model (Solow, 1956). The Solow model includes two important subjects about long run growth. First, "exogenous technological change" effects on output, and secondly, nations will converge in terms of income per capita. Accordingly, because all growth sources are exogenous, government policy cannot change long run growth rates. Unlikely, The endogenous growth models provided by Romer (1986) and Barro (1990) indicate that long-run growth is endogenous in the sense of some endogenous variables. Therefore, long-run growth rates can differ across countries, and there is no convergence in income per capita necessarily.

This paper uses a generalization model of the commonly used growth-accounting model based on the concept of an aggregate production function. It is developed along the works suggested in Dar & AmirKhalkhali (2002). Accordingly, the standard growth accounting model can be written as:

$$\ln Y_{it} = \alpha_2 \ln K_{it} + \alpha_3 \ln L_{it} + A_{it} \quad (1)$$

Where Y stands for GDP, K for capital accumulation, L for the labor, and A measures total factor productivity growth. Note that α_2 and α_3 are the partial elasticity of output with respect to capital and labor, respectively. The subscript i indexes the countries and the subscript t indexes the time in the sample. It has assumed that export and government expenditure enhance total factor productivity growth and, by implication, economic growth. Accordingly, equation (2) has written as:

$$A_{it} = \alpha_1 + \alpha_4 \ln X_{it} + \alpha_5 GS_{it} + u_{it} \quad (2)$$

Where X stands for export, GS gives the ratio of government expenditure over GDP, and u is the disturbance term. Finally, substituting (2) in (1) yields:

$$\ln Y_{it} = \alpha_1 + \alpha_2 \ln K_{it} + \alpha_3 \ln L_{it} + \alpha_4 \ln X_{it} + \alpha_5 GS_{it} + u_{it} \quad (3)$$

3. RESEARCH METHODOLOGY AND DATA

The data set consist of observation for five countries in ASEAN in the period of 1980-2006. The lists of countries are as follow: Indonesia, Malaysia, the Philippine, Singapore, and Thailand. The annual data in term of natural logs for all variables are used. Real GDP per capita has selected as proxy with economic growth. The explanatory variables are namely K (capital, which is measured as the gross capital formation), L (labor, which is measured by Labor force participation rate, percentage of total population ages 15-64), X (export is measured by exports of goods and services, percentage of GDP), and GS (government expenditure is measured by ratio general government final consumption expenditure over GDP). All of data have obtained from World Development Indicator (WDI, World Bank CD-ROM 2008).

For using pooled data methods, we can consider to number of alternative methods that differ on the point to which method allows for constraining of heterogeneity across individuals. Fully heterogeneity and fully homogeneity are in two extremes of the methods. The simple pooled estimator is at one extreme that models are the fully homogeneous-coefficient and all slope and intercept coefficients be equal across countries. There are some other estimators between the two extremes such as Dynamic Fixed Effects (DFE) estimator contains all slope coefficients to be equal across individuals but different intercepts. The Mean Group (MG) estimator introduced by Pesaran *et al.* (1995) is at other extreme that models are fully heterogeneous coefficient. Moreover, Pesaran *et al.* (1999) introduce Pooled Mean Group (PMG) estimator. In PMG model, the long-run slope coefficients are identical across individuals but the short-run coefficients and the regression intercept are varied.

Following Pesaran *et al.* (1999), paper bases the panel analysis on the unrestricted error correction ARDL (p, q) representation:

$$\Delta Y_{it} = \phi_i Y_{i,t-1} + \beta_1 K_{i,t-1} + \beta_2 L_{i,t-1} + \beta_3 X_{i,t-1} + \beta_4 GS_{i,t-1} + \sum_{j=1}^{p-1} \theta_{ij} \Delta Y_{i,t-j} + \sum_{j=0}^{q-1} \delta_{ij} \Delta K_{i,t-j} + \sum_{j=0}^{q-1} \gamma_{ij} \Delta L_{i,t-j} + \sum_{j=0}^{q-1} \varphi_{ij} \Delta X_{i,t-j} + \sum_{j=0}^{q-1} \sigma_{ij} \Delta GS_{i,t-j} + \mu_i + u_{it} \quad (4)$$

Where μ_i represents the fixed effects, ϕ_i is a coefficient on the lagged dependent variable, $\beta_1, \beta_2, \beta_3$, and β_4 are coefficients on lagged explanatory variables, θ_{ij} is coefficient on lagged first-differences of dependent variable, and $\delta_{ij}, \gamma_{ij}, \varphi_{ij}$, and σ_{ij} are coefficients on first-difference of explanatory variables and their lagged values. The model assumes that the disturbances u_{it} in the ARDL model has independently distributed across i and across t with zero mean and variance is positive ($\sigma^2 > 0$). Further assuming that coefficients on first-difference of explanatory variables are less than zero therefore, there exists a long-run relationship between dependent and explanatory variables defined by:

$$Y_{it} = \omega_1 K_{it} + \omega_2 L_{it} + \omega_3 X_{it} + \omega_4 GS_{it} + \eta_{it} \quad (5)$$

Where $\omega_1, \omega_2, \omega_3$, and ω_4 as long-run coefficients, and η_{it} are stationary with possibly non-zero means (including fixed effects). Since equation (4) can be rewritten as:

$$\Delta Y_{it} = \phi_i \eta_{i,t-1} + \sum_{j=1}^{p-1} \theta_{ij} \Delta Y_{i,t-j} + \sum_{j=0}^{q-1} \delta_{ij} \Delta K_{i,t-j} + \sum_{j=0}^{q-1} \gamma_{ij} \Delta L_{i,t-j} + \sum_{j=0}^{q-1} \varphi_{ij} \Delta X_{i,t-j} + \sum_{j=0}^{q-1} \sigma_{ij} \Delta GS_{i,t-j} + \mu_i + u_{it} \quad (6)$$

Where $\eta_{i,t-1}$ is the error correction term given by equation (5), hence coefficients on first-difference of explanatory variables are the error correction coefficients for measuring the speed of adjustment towards the long-run equilibrium. As explained above, the PMG estimator allows the intercepts, short-run coefficients and short-run adjustment to be dependent on country/individual characteristics with meaning differ across groups, but the long-run coefficients are homogeneous across countries/individuals. However, the MG allows for heterogeneity of all the coefficients and gives the estimation of short-run and long run coefficients. The MG approach comprises of estimating regressions for all countries/individuals separately and computing averages of the countries/individual-specific coefficients. The comparison of PMG and MG is like a trade-off between consistency and efficiency. If the long-run coefficients are identical across individual/countries the PMG estimator will be consistent and efficient and the MG estimator will only be consistent. If the long-run coefficients are not identical across individual/countries the PMG estimator will be inconsistent and the MG estimator will provide a consistent estimation of the mean of long-run coefficients across individual/countries. The long-run homogeneity restrictions or presence of heterogeneity in the means of the coefficients can be examined using Hausman test (Hausman, 1978) applied to the difference between the PMG and MG estimators of the long-run coefficients (Demetriades & Law, 2006). This study uses above framework to examine the relationship of government expenditure and economic growth in ASEAN countries. Table 1 reports summary statistics of the variables used in the analysis and table 2 reports the correlation results.

TABLE 1: DESCRIPTIVE STATISTICS

Variable \ Index	LG	LK	LL	LGS	LX
Mean	2.93	3.31	4.20	2.36	3.79
Median	3.00	3.33	4.20	2.37	3.87
Maximum	3.31	3.88	4.27	2.88	5.28
Minimum	0.00	2.43	4.12	1.74	2.22
Std. Dev.	0.37	0.29	0.03	0.21	0.84
Skewness	-4.81	-0.27	-0.33	-0.16	-0.26
Kurtosis	33.74	2.77	3.05	3.09	1.80

All variables are included as log (variable)

TABLE 2: CORRELATION AMONG VARIABLES

Variable	LG	LK	LL	LGS	LX
LG		0.39	-0.09	0.22	-0.02
LK	0.39		-0.34	0.11	-0.23
LL	-0.09	-0.34		-0.51	0.53
LGS	0.22	0.11	-0.51		-0.21
LX	-0.02	-0.23	0.53	-0.21	

4. EMPIRICAL RESULTS & DISCUSSION

Tables 3 show results of pooled OLS estimation with and without dummy variable for financial crisis that had happened in Asia. Breusch and Pagan Lagrangian Multiplier (LM) test will help us to choose between pooled OLS model and Random Effect Model (REM). LM is distributed as chi-squared with one degree of freedom under the null hypothesis. The calculated value (LM= 1.207) does not exceed the tabulated chi-squared value (124.34) therefore it lead us to conclude that OLS (pooled model) is more appropriate than the random effect or fixed effect models. The result of pooled OLS estimation suggests that model with government expenditure; physical capital and export variables promote economic growth.

Table 4 includes three alternative panel data estimators: MG, which imposes no restrictions; PMG, which imposes common long-run effects and static fixed effect models and Static Fixed Effect. The result in tables 4 is based on lagged one for the independent variables (The lag structure in tables 4 is (1,0,0,0,0) and the order of variables is as follows: dependent variable, *K*, *L*, *GS* and *X*), but the lag structure in Tables 6 is based on AIC and SBC respectively.¹

TABLE 3: POOLED OLS ESTIMATION WITH (OUT) USING DUMMY VARIABLE FOR YEAR 1998

Variable	Estimation without Dummy Variable		Estimation with Dummy Variable	
	Coefficient	Prob.	Coefficient	Prob.
Constant	-7.60	0.16	-3.14	0.42
GS	0.46	0.01	0.34	0.01
K	0.54	0.00	0.43	0.00
L	1.80	0.14	0.87	0.33
X	0.02	0.57	0.06	0.03
Dummy variable	-	-	-1.23	0.00

TABLE 4: GOVERNMENT EXPENDITURE AND ECONOMIC GROWTH IN ASEAN-5 BY POOLED OLS, MG AND SFE [Lag structure (1, 0, 0, 0, 0)]

Variables	Pooled Mean Group	Mean group	Static Fixed Effect
K	-4.35(-2.11)**	-3.55(-0.96)	-1.36(-4.43)***
L	9.22(1.77)*	5.48(2.11)**	0.36(1.83)*
X	13.47(0.95)	12.54(1.31)	0.18(0.07)
GS	-5.20(-2.21)**	-5.20(-1.30)	-1.26(-2.78)***

Numbers in parenthesis are standard error except for Hausman tests, which are t-values.

***, ** and * indicate significance at the 1%, 5% and 10% levels, respectively.

TABLE 5: THE SHORT-RUN EFFECT OF GOVERNMENT EXPENDITURE ON ECONOMIC GROWTH IN ASEAN COUNTRY BY COUNTRY

Country	Variables	Pooled Mean Group	Group-Specific Estimates
Indonesia	K	-0.04(-1.73)*	0.15(1.36)
	L	0.08(2.20)**	0.08(1.87)*
	X	0.12(0.79)	0.74(0.71)
	GS	-0.05(-1.39)	-0.36(-1.87)
	Phi	-0.00(-1.36)	-0.02(-0.41)
Malaysia	K	-0.15(-2.54)**	-0.14 (-1.92)**
	L	0.32(4.89)***	0.29(4.15)***
	X	0.46(0.84)	4.13(1.86)*
	GS	-0.18(-1.74)*	-0.60(-3.12)***
	Phi	-0.03(-1.18)	-018(-2.53)**
Philippine	K	-0.04(-0.99)	-0.17(-1.14)
	L	0.08(1.03)	-0.08(0.79)
	X	0.12(0.67)	1.39(0.54)
	GS	-0.04(-0.93)	0.60(1.84)*
	Phi	-0.00(-0.91)	-6.42(-0.58)
Singapore	K	-0.18(-3.42)***	-0.36(-3.91)***
	L	0.38(6.55)***	0.42(5.88)***
	X	0.56(0.84)	1.14(-1.25)
	GS	-0.21(-2.20)**	-0.05(-3.36)***
	Phi	-0.04(-1.90)*	-0.06(-1.88)*
Thailand	K	-0.06(-2.00)**	-0.17(-1.36)
	L	0.13(2.69)***	0.16(2.78)***
	X	0.19(0.91)	0.25(0.18)
	GS	-0.07(-1.66)*	-0.57(-2.19)**
	Phi	-0.01(-1.74)*	-0.01(-0.17)

Numbers in parenthesis are standard error except for Hausman tests, which are t-values.

***, ** and * indicate significance at the 1%, 5% and 10% levels, respectively.

The comparison between MG and PMG is based on the Hausman test. Because of the time span of the panel data is only 27 years (1980 - 2006), the MG estimator suffers from too few degrees of freedom. The Hausman test statistic fails to reject the null hypothesis which indicates the data do not reject the restriction of common long-run coefficients. Hence, the MG estimator is not useful like the PMG estimator. Therefore we focus on the PMG results.

¹. These estimations have done by using the GAUSS program written by Shin, Y (Department of Economics, University of Edinburgh)

These results reveal that the signs of the long-run coefficients do not remain similar to those obtained by OLS and do not consistent with Keynesian theory mutually. The OLS result consists with Keynesian theory but the result are different from PMG estimation. In long run, the coefficients of physical capital and government expenditure are negative sing and statistically significant. The negative sign of coefficient of government expenditure consists with some studies such as Dar and Amirkhalkhali (2002) that find a negative relationship between government expenditure and economic growth. The static fixed effect estimator also demonstrates same result. However, in short-run, the coefficient of government expenditure in level is positive and significant, but that coefficient in first difference is negative and insignificant.

TABLE 6: THE EFFECT OF GOVERNMENT EXPENDITURE ON ECONOMIC GROWTH IN ASEAN-5 COUNTRIES (Long-run coefficients)

Dep. variable: Y	AIC for lag structure				SBC for lag structure			
	Mean group	Pooled mean group	Hausman test	Static Fixed Effect	Mean group	Pooled mean group	Hausman test	Static Fixed Effect
Long-run coefficients								
K	-377.36 (-1.01)	-1.29 (-2.31)**	1.02 (0.31)	-1.36 (-4.43)***	-377.38 (-1.01)	17.89 (0.34)	1.14 (0.28)	-1.36 (-4.43)***
L	672.95 (1.00)	3.40 (4.01)***	0.99 (0.32)	0.36 (1.89)*	672.63 (1.00)	-43.78 (-0.38)	1.17 (0.28)	0.36 (1.89)*
X	-4099 (-1.00)	32.49 (4.59)***	1.02 (0.31)	0.18 (2.50)**	-4093 (-1.00)	20.50 (0.39)	1.12 (0.29)	0.18 (2.50)**
GS	383.04 (0.99)	-1.99 (-2.20)**	1.00 (0.30)	-1.26 (-2.78)***	383.20 (0.99)	-26.43 (-0.44)	1.16 (0.28)	-1.26 (-2.78)***
No. of countries	5	5		5	5	5		5

Numbers in parenthesis are standard error except for Hausman tests, which are p-values.

***, ** and * indicate significance at the 1%, 5% and 10% levels, respectively.

TABLE 7: THE EFFECT OF GOVERNMENT EXPENDITURE ON ECONOMIC GROWTH IN ASEAN COUNTRIES (Error correction coefficients and Short-run coefficients)

Convergence coefficient	0.04 (2.04)**	0.07 (-0.78)
Long-run coefficients		
K	-0.07 (-2.04)**	0.03 (0.17)
L	0.17 (2.04)**	0.10 (0.86)
X	-0.80 (-2.04)**	3.92 (1.80)*
GS	0.10 (2.04)**	0.25 (0.98)
Short-run coefficients		
Δ GDP(-1)	0.00	0.00
Δ K	-0.04 (-1.00)	-0.14 (-1.00)
Δ K(-1)	-0.02 (-1.00)	-0.04 (1.00)
Δ L	0.02 (1.00)	0.05 (1.00)
Δ L(-1)	0.02 (1.00)	0.04 (1.00)
Δ X	-0.12 (-0.10)	-2.96 (1.68)*
Δ X(-1)	-1.65 (-1.60)	-3.27 (-1.63)
Δ GS	-0.22 (-1.38)	-0.29 (-1.19)
Δ GS(-1)	-0.23 (-1.48)	-0.22 (-1.48)

***, ** and * indicate significance at the 1%, 5% and 10% levels, respectively.

5. SUMMERY AND CONCLUSION

Interest in economic growth has always been at the center of the literature in development economics and it is one of the most fascinating topics in macroeconomics. Among the factors that determine the growth of an economy, government spending is of particular interest in this work. A subject of intense debate for economists has been whether the government should intervene to correct for short-run fluctuations in economic activity. While the Classical economists oppose intervention, the Keynesian school of thought advocates the use of fiscal policies to boost economic activity in times of recessions.

This paper investigates the impact of government expenditure on economic growth in ASEAN countries during 1980 -2006. Working with a panel of cross-country observations, the paper estimates a model of short and long-run effects using the Pooled Mean Group estimator developed by Pesaran, Shin, and Smith (1999). However, the result of pooled OLS estimation suggests that the variables including government expenditure, physical capital, and export promote economic growth, but the signs of government expenditure and capital in PMG estimation do not remain similar to those obtained by OLS and as a result, do not consistent with Keynesian theory mutually.

Consequently, our findings suggest that a larger government expenditure on ASEAN countries influences economic growth negatively. This negative impact may be a sign of the lower productivity of the capital input in ASEAN countries with a large government expenditure. The disadvantage of a large government sector, in general, likely reflects the presence of crowding-out effects that causes weak incentives to create more productive capital, which need new technologies. Accordingly, the governments should set the expenditure of government expenditure in term of providing the governance infrastructure critical for growth.

6. REFERENCES

1. Abu-Bader, S., & Abu-Qarn, A. S. (2003). Government expenditures, military spending and economic growth: causality evidence from Egypt, Israel, and Syria. *Journal of Policy Modeling*, 25(6-7), 567-583.
2. Barro, R. J. (1990). Government spending in a simple model of endogeneous growth. *Journal of Political economy*, 98(5), 103-125.
3. Chen, S. T., & Lee, C. C. (2005). Government size and economic growth in Taiwan: A threshold regression approach. *Journal of Policy Modeling*, 27(9), 1051-1066.
4. Dar, A. A., & AmirKhalkhali, S. (2002). Government size, factor accumulation, and economic growth: evidence from OECD countries. *Journal of Policy Modeling*, 24(7-8), 679-692.
5. Demetriades, P., & Law, S. H. (2006). Finance, institutions and economic development. *International Journal of Finance & Economics*, 11(3), 245-260.
6. Engen, E. M., & Skinner, J. S. (1992). Fiscal policy and economic growth. NBER Working Paper.
7. Fölster, S., & Henrekson, M. (2001). Growth effects of government expenditure and taxation in rich countries. *European Economic Review*, 45(8), 1501-1520.
8. Landau, D. (1983). Government expenditure and economic growth: a cross-country study. *Southern Economic Journal*, 49(3), 783-792.
9. Lucas, R. E. (1988). On the mechanics of economic development* 1. *Journal of Monetary Economics*, 22(1), 3-42.
10. Pesaran, M. H., Shin, Y., & Smith, R. P. (1999). Pooled Mean Group Estimation of Dynamic Heterogeneous Panels. *Journal of the American Statistical Association*, 94(446), 621-622.
11. Pesaran, M. H., Smith, R., & Im, K. (1995). Dynamic linear models for heterogeneous panels.
12. Romer, P. M. (1986). Increasing returns and long-run growth. *The Journal of Political Economy*, 94(5), 1002-1037.
13. Sheehey, E. J. (1993). The effect of government size on economic growth. *Eastern Economic Journal*, 321-328.
14. Solow, R. M. (1956). A contribution to the theory of economic growth. *The Quarterly Journal of Economics*, 65-94.
15. Vedder, R. K., Gallaway, L. E., & United States. Congress. Joint Economic, C. (1998). Government size and economic growth: The Committee.

REQUEST FOR FEEDBACK

Dear Readers

At the very outset, International Journal of Research in Commerce, Economics and 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 **info@ijrcm.org.in** 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.

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

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

