

# The Profitability, Capital Structure, and Cash flow of banks, along with their ownership structure, affect banks' financial strength.

## Main Author:

**HAMED Ali JASEM ALFAWAREH.** PhD Researcher  
University of Technology – Malaysia  
[ha1069879@gmail.com](mailto:ha1069879@gmail.com)

## Co-author:

**Dr Hjh Othman**  
University of Technology – Malaysia  
[Rafidah.othman@utm.my](mailto:Rafidah.othman@utm.my)

## Abstract

The research study's goal emerges in this chapter. The debate focuses on market share. The theoretical rationale for the accumulation of market share is discussed. Besides literature related to market share price, past research findings lead to finding the research gap and establishing the research of hypothesis. This paper's main objective is to conduct a systematic review of the papers that investigated The Profitability, Capital Structure, and Cash flow of banks, along with their ownership structure, affect the financial strength of banks. This critical review lists the comprehensive inclusion/exclusion criteria; the core framework, however, is the following: Assess the role of entrepreneurial incubators and innovation of the topic against the concern raised in the research question (i.e. developing countries). Creating a trend and connections between the literature available (i.e. identifying the most common factors and relevancy to the topic innovation in the developing countries).

**Keywords:** Systematic review, banks, profit, capital structure.

## Introduction

A visualization of the relationship between the various conceptual model hypotheses. Volatility refers to how often the demand shifts. Stocks that fluctuate wildly and fail to have a stable price point are called unstable. The stock is weakly predictable since it maintains a fixed price. Investors, regulators, traders, dealers and the press were all worried about the amount of overall uncertainty in the stock market. The perception that stocks are moving a lot is since too high levels of common stock indices have been present. The collapse of financial markets is an important issue that has caused a lot of damage.

There is a crucial gap in the literature regarding the profitability, debt, and cash flow of the bank in the Atab sense and why it affects the stock price. This paper explores the context of past literature.

## Literature Review.

This is an established assumption because investors are key to the capital market. Messaging investors focuses on clarity and scientific proof, especially at the time of pricing securities, and also when advising on possible changes to those prices. The high liquidity of the stock market has resulted in a number of papers and publications on the financial market (e.g., Haque et al., 2013; Akbar & Afiezan, 2018; Mbaabu, 2018; Tayar et al., 2019; Suryana & Anggadini, 2020). These factors contribute to the press, political stability, and economic situation with the paper (Haque et al., 2013; Causi, 2017).

The stock market process is not simple; due to complex factors and variables, the market is governed by sophisticated aspects and variables. At the same time, efforts are being made at both the firm and national level to develop sustainable economic structures (Causi, 2017). The basis of such an economy is a shift from a rigid, static, and unstable economic system to a more complex, stable, and safer economic system. In addition, this led to higher real efficiency (Stapley, 1986; Marwala, T., & Hurwitz, 2017; Causi, 2017).

The stock market in the Middle East is different from the market in some counties. Despite some challenges, these markets show good investment and returns. Most capital is spent in the banking sector because of how stable it is.

When major stock-market companies grow a broader shareholder base, their economic returns are approximately equal or higher. It is also a fact that money investors like their leverage in some way, so to keep them in stock market firms, separate stock exchanges offer liquid equity markets to investors. Here, their money is more stable, but it still seems to hold more appeal. A buyer may sell their shares at a reasonably low price; (Hajar & Tho'in, 2015; Masoud, 2013).

El-Ansary & Megahed (2016) aim to investigate the factors that decide bank profitability in Egypt prior to and following the global financial crisis. This paper explores the period from 2004-2013. They analyzed the data on how people were doing ten years before the crisis and then ten years after the crisis. They use ROA and ROE to determine the profitability of banks. The findings show that the variables that decide bank profitability didn't change substantially between pre-crisis and post-crisis, and there were no major changes in bank profitability between the two periods. In addition, credit quality, loan to assets ratio, deposit to total assets ratio have a negative relation to profitability, while asset share ratio has a positive relation to profitability. However, the ratio of capital assets and banks assets to GDP doesn't have much impact on bank profitability.

The financial and economic choices of firms, as well as their reactions to changes in monetary weight, are important to both nation's macroeconomic conditions and the soundness of its financial system. This, for example, influences speculative spending or, despite a sudden shock, fast, sharp portfolio changes. Nonetheless, from the point of view of acknowledging the dangers to macroeconomic and monetary dependability, it ought to be borne as a top priority that the delicacy of individual companies need not be counterbalanced by the sufficiency of others. In conjunction, the study of total markers to determine the financial condition of the corporate division and its effect on genuine action may be missing, which necessitates a more detailed analysis. However, this implied that the earnings per share had a valuable and important wave pricing value, Malhotra, 1987. His goal was to concentrate on the four segments of the executive, cotton material, food and paper industries over four years from 1982 to 1985. Baskin (1989), Collins and Kothari (1989) and other research studies all support the positive association between asset price and stock price appreciation. Ohlson (1995) addresses the task of generating money, controlling value, and accounting for profits. Collins, Pincus, and Xie (1999) studied the association between stock performance and negative earnings. Dechow, Hutton, and Sloan (1999) investigate the connection between income remaining and the equity value.

In the earnings multiplier model, earnings are the most significant factor that defines the financial wellbeing and the actual value of a company. Investors decide on choices based upon open data like details which are taken as markers of an organization's budgetary health and possibilities and, along these lines determining the offer value (Al-Malkawi, 2007). Knowledge on the impact of earnings on share prices is extremely calculable as it would aid in determining value volatility and in the forecast of value growth to empower companies to upgrade their fair worth and financial specialists to improve their wealth (Zarezadeh et al., 2011).

Meng, 2018, is an example of long-term financial planning. The cash or money that's used for saving and for settling financial obligations. The internal cash resources come from the existing operating income and funds used from the start of the year. The information in the Cash Flow Statement provides the methodology for assessing if the company is spending appropriately, if it may be prejudicial to potential performance for the sake of current liquidity, and if payments would be made to shareholders. The results indicate that exchanges operate where trade controls or other legal restrictions exist in countries where these are not open to the general public.

A majority of the theses argued used the ADI Theory developed by Jensen and Meckling (1976). The Theory focuses on separating the owner and management roles. In this context, Wei et al. (2014) evaluate how the degree of company ownership structure relates to firm performance in Malaysia, including the performance of trading and service firms. To calculate the dependent variables such as firm age, firm size, leverage, return on assets (ROA), return on equity (ROE), and Tobin's Q, the researchers test these variables against managerial ownership structure and Non-managerial ownership structure. This study looked at the trading and services sectors to assess job growth in the Malaysian business market (5 years). The firm size, leverage, and Tobin's Q are linked with the degree of ownership in a company.

Zakaria et al. (2014) conduct a study to analyze the effect of ownership structure on company performance of the Malaysian listed Trading and Services firms by using a sample of 73 companies and obtained the data for ownership within a period of five years (2005-2010), by measuring dependent variable in term of profitability, valuation, growth and risk such as ROA, leverage, firm size and investment opportunities; and independent variable Concentrated Ownership, Managerial ownership, Government ownership and Foreign ownership.

The paper discusses the role of financial analysis in the evaluation of prices of securities on the stock exchange. The findings reflect a negative relationship between the degree of financial leverage and the rate of working capital turnover, but not between the degree of financial leverage and the price of these firms.

All investors in the AMS are expected to have a good understanding of financial analysis. To benefit from the experience and skills of experts in financial analysis, the best investment decisions are made.

Zhai (2017) The analysis of financial variables' effect on the country's external net assets. The study of financial causes, financial structure and financial opening on the different levels of growth of the country's external net assets. Five country survey data spanning the 1980s to 2011. Financial integration and financial transparency promote capital mobility, which can minimize capital mismatch, which in turn can contribute to capital outflow. Financial integration has both benefits and drawbacks for developed countries, which includes enabling them to expand economically.

Increase the productivity, creativity and reach of the financial system to meet people's demand for financial solutions. Corporate governance studies were informed by the organization's perspective on how organizations can handle agency conflicts. The Board of Management, the Audit Committee, the Board of Directors, and its accountability mechanisms are responsible for the company's control environment. Furthermore, empirical studies have shown that effective governance is not only necessary for reducing competition and the conflict between agencies and managers but also for reducing risk exposure and thereby improving firm value. The CG is proposed as the solution for the Agency's dilemma, which is the basis of the model of this study, and the CG has come to the fore here as the solution to the Agency's dilemma.

An agreement between the parties will include clear incentives to ensure that the parties agree entirely and not diverge. To make sure the desired result happens, the program will refund the monitoring and bonding fees. Issues associated with the division of ownership and power are intimately associated with the regulation of human actions. It follows that capital structure theory offers insight into agency issues. Jensen and Meckling analyze how the parties involved are likely to behave.

Asymmetric knowledge is essential for the transfer of power between managers and shareholders because managers often know more about the business than the external owners do. George Akerlof published in 1970 a paper on the market in "lemons", which is American slang for a cheap quality commodity (Akerlof, 1970). In the used car market, the prospective buyer has almost always been a more educated party. If you're buying an ordinary car, you'll pay more for it than the worth of a lemon. The seller of the poor used car is delighted to sell. In comparison, owners of vehicles that have been used will not want to sell. As a result, there will be a few decent used cars available at the auction. The bottom line is that used car sales will require special focus.

The "lemons problem" is often debated in economic circles. Buyers of financial assets or goods tend to be better educated than sellers of those products. The value of a corporate bond reflects the average probability of default by other bonds of similar issuers. Even though companies with a low default risk shouldn't want to sell bonds at a price that they know is too low, it must be taken into consideration. Businesses that are strong are unable to borrow in the market. In comparison, the safest offers to buy are shares. If bond investors know this, they would probably be more likely to opt for more diversified investments. The bottom line is, the demand for corporate bonds is failing and needs to be replaced.

The stock market has a secondary feature which is the sum of assets that the institution holds on behalf of each share shows the value of each share after the shareholder invests in the business, so this value is incurred on the balance sheet by an asset (Uddin, 2009). The rate of return on assets is the number of cents produced per dollar of assets employed. As shown by their highest returns on investment, the project is more successful. Such ratios are used to equate one business to another within a similar field. Because of this, institutions in some sectors are not interested in assets since they are less valuable than other types of capital. The return on investment in a business is smaller than many other businesses, and this makes the company less interested in assets. The increased value of their assets shows that the business is becoming more profitable. As a result, the reduction in the return on assets often means a decrease in profitability (Kabajeh et al., 2012). Therefore, this gives rise to the research gaps of this segment is listed by Al Qaisi et al. (2016), who Investigate the impact of some factors on market stock prices such as Return on Asset (ROA), Return on Equity (ROE), the Age of the Company, and the Size of the Company. There is a link between the rate of return on assets, debt ratio, age of the company, and the size of the company and the stock price. The relationship between financial numbers and the market price is not extensively analyzed from a commercial bank's perspective. Sharif & colleagues (2015) Found the key factors influencing stock prices in Bahrain. The price-to-book ratio, dividend yield, price to earnings, and firm size are some of the main factors that decide to share prices in the Bahrain market.

The directors and shareholders are willing to take steps to ensure that the company doesn't go bankrupt (Gitman and Zutter, 2012). Financial debt ratios assess the degree of financial risk a corporation is taking on. When a business has a lot of debt, it appears to have a lot of financial risks. A corporation with higher debts and financial commitments is more likely to struggle to repay its debts (Gitman and Zutter, 2012). Therefore, Zelgalve & Berzkalne (2015), Equity return review, current ratio, and Baltic listed companies' market-to-book ratio.

To evaluate the regression between distinct debt ratios and profitability, the study used panel data. Menon (2016) Measures the relationship of the Muscat Securities Market's listed companies between capital structures and share prices. The addition of debt to total capital has an inverse impact on share prices.

Fama and French (1992) find that the critical CAPM forecast, a linear cross-sectional relationship between mean excess returns and market factor exposures, violates exposures to two other variables, a size-based factor and a book-to-market factor, also referred to as a "value" factor, explaining a large portion of the cross-sectional dispersion in mean returns. If stocks are rationally priced, therefore, there should be systemic differences in average returns due to risk differences. The market, size and value exposures must therefore proxy for vulnerability to pervasive risk factors in returns, provided reasonable pricing.

A wide range of factors with a predominance of the company's results that have released the shares and a much broader viewpoint where market forces are extremely relevant will influence share prices. As a consequence of these market powers, stock prices change on a regular basis. The Theory that share prices change due to a change in supply and demand for the company's shares can easily explain the market forces' effect. When more people are interested in buying than selling, there is a rise in demand for that particular share. In such a case, prices increase. On the other hand, if more people decided to sell a stock than to purchase it, supply would be higher than demand, and the price would decline. Again, the psychological factors of the purchasing public can also influence demand and supply.

Welch (2006) also points out the flaws in empirical analyses of the capital structure in which low debt ratios are used. This author also underlines that the ratio '(long-term financial debt + short-term liabilities) / total assets' is used in many empirical studies of capital structure. This ratio closely reflects 'total liabilities / total assets and is not acceptable to use to illustrate the company's correct capital structure because short-term liabilities include non-interest-bearing debt. Once again, it can be mentioned that overestimated financial leverage would result from the implementation of this ratio. Ramsharan (2019) Discusses the obstacles an investor faces as a result of interest rate adjustments. The relationship of cash flow to market price performance is not discussed in the sense of commercial banks. Osaseril & Osamwonyi (2019) discusses the development of the stock market, and economic growth in the BRICS, from the World Bank Indicator, quarterly time series data for 1994Q1 to 2015Q4. Examines stock market development and economic growth in the BRICS, data from the World Bank Indicator for the quarterly time series for the period 1994Q1 to 2015Q4.

This article aimed to decide that the earnings or cash flows are best as a success metric, AL-Khadash, (2005). In many recent US reports, in which earnings and cash flows are viewed as competing variables, he follows the more straightforward approach. In particular, his methodology is an evolution of the Dechow analysis (1994). He offers replication of her crucial study and then extends this to deal with the impact on the value importance of cash flow and earnings of earnings permanence, earnings growth and firm scale. His research offers proof of the importance of investors' cash flow estimates to their investment decisions in an emerging stock market. Some essential words used in the stock market have been listed by Jim Berg (2011). In order to offer a clear idea before joining the investment or attempting to learn about the market, the most commonly used words were clearly described in the paper. The language in the business is harder to grasp. So we have adopted some words in our paper with the aid of this post. We may have learned about the word arbitrage often, which means seeking a better market with relative advantages. In the paper, there are some such words used that can help understand the market.

Md. Md. In his paper "Relation between Interest Rate and Stock Price: Empirical Evidence from Developed and Developing Countries," Gazi Salah Uddi (2009) mentions the relationships between interest rates and the stock market. The purpose of the paper is to define the relationship between the interest rate and share prices. The interest rate changes have apparent impacts on the economy, so it is necessary to know the relationship to reduce market risks and understand monitoring policy and fiscal policy.

**Method**

**Research Strategy**

This critical review lists the comprehensive inclusion/exclusion criteria; the core framework, however, is the following:

- 1- Assess the role of entrepreneurial incubators and innovation of the topic against the concern raised in the research question (i.e. developing countries).
- 2- Creating a trend and connections between the literature available (i.e. identifying the most common factors and relevancy to the topic innovation in the developing countries).

In determining the study path, selecting the research methodology is essential, as it directly affects answering the research question (Johnson & Clark, 2006).

**3.1. Research Design**

This analysis is focused on secondary data and the compilation and examination process of qualitative research. As they save time, these were considered to be more fitting for the nature of this research. The qualitative approach will also help evaluate the various findings and creativity and clarify incubators in emerging markets. Though objective, secondary data would not be able to describe human behaviours.

The procedure followed to gather data for the research is the Systematic Literature Review. A specific research issue, intent, and goals were described in this study. Therefore, the Systematic Literature Review was chosen as an effective method to ensure the validity, adequacy, and accuracy of the data obtained and minimize any personal biases and errors.

Also, the researcher produces consistent guidelines for defining the relevant literature by using the Systematic Literature Review, which can help address the particular research question. Only the literature identified to be specifically relevant to the different research question segments will be used after following these criteria.

For this review, the following inclusion/exclusion requirements are adhered to in the relevant literature:

	Inclusion Criteria	Exclusion Criteria
Theme	<b>In the variables and their relationships, scope</b>	<b>Non-innovative issues related to SMEs</b>
Country/Region	<b>Developing countries</b>	<b>Developed countries</b>
Industry	<b>Banks</b>	<b>Non-Banks</b>
Affected industry	<b>Innovation from entrepreneurs and incubators</b>	<b>All other innovation sources</b>
Time horizon	<b>Academic literature (Articles) between 2010-2021.</b>	<b>Academic literature (Articles) outside the years 2010-2021.</b>

**3.3. Research Approach**

This research applies evidence from the literature to business incubators and innovation concerning obstacles in the emerging markets. This will help to explain the strategies and the relations and trends between the data collected. Although this analysis does not attempt to validate a theoretical argument, the study will adopt the Inductive Method as such.

**Research Strategy**

Archival Research will follow the report’s research approach, as the study will seek a compilation of past study knowledge and written documents to address the research question. Grounded Theory would also be accompanied by illustrating the abandoned trends of cashflow and stocks in emerging markets by applying the chosen Theory. For this research, observation and ethnography were determined to be unsuitable because they depend on data collected from primary data to allow patterns to be observed and identified within a particular sample.

### Data Collection

The research engines to be utilized are Scopus, Emerald Insight, Research Gate, and Google Scholar. They were selected for their ease of accessibility and their reliable repository of literature.

During the research process, it is anticipated that the following keywords will be used to locate relevant articles.

### Conclusion

Various studies have been carried out to explore the effects of ownership structure effects on company performance globally, such as Demsetz and Villalonga (2001) conducting research to investigate the relationship between the ownership structure and corporate performance if ownership is made multi-dimensional and viewed as an endogenous variable. It explores the positions played by two facets of the system of ownership, the share fraction owned by the five largest shareholding interests and the share fraction owned by management. Two hundred twenty-three firm random subsamples from Demsetz and Lehn (1985) were used for previous studies from 1976-1980 and 1980-1981. (5 years). The business performance-based variable calculated by Tobin's Q, profit rate, advertising-to-sales ratio, R&D to sales ratio, fixed asset-to-sales ratio, market risk, company-specific risk, the concentration of ownership, shareholdings of management, assets, debt-to-asset ratio and management of industry.

Financial markets and their dynamics are very complex, and different methods and approximations are needed for their description. We are developing methods, models, and equations in this paper that treat financial variables, market transactions, and expectations as risk functions.

Through its contribution to aggregate demand and its ties to the banking system and capital markets, the financial role of the corporate sector can influence the performance of the real economy and the stability of the financial system. For both the macroeconomic conditions of a country and the stability of its financial system, the financial performance and financing decisions of firms, as well as their responses to financial pressure, are significant. Thus, for example, excessive indebtedness can adversely affect investment expenditure or cause sharp portfolio switching in the face of an unexpected shock (Hernando and Martínez-Carrascal, 2019).

### References and further readings

- Abdulle, M. & Kassim, S. (2012). Impact of Global Financial Crisis on the Performance of Islamic and Conventional Banks: Empirical Evidence from Malaysia. *Journal of Islamic Economics, Banking and Finance*, 8(4), 9-20.
- Akerlof, G. (1970). The Market for 'Lemons': Quality Uncertainty and the Market Mechanism, *Quarterly Journal of Economics*, 84, 488-500.
- Al Qaisi, F. Tahtamouni, A. & AL-Qudah, M. (2016). Factors Affecting the Market Stock Price - The Case of the Insurance Companies Listed in Amman Stock Exchange, *International Journal of Business and Social Science*, 7(10), 81-90.
- Altunbas Y. Manganelli S. & Marques-Ibanez, D. (2011). **Bank Risk during the Financial Crisis-Do Business Models Matter? ECB**, Working Paper Series No. 1394, European Central Bank, Frankfurt.
- Aren, A. & Sibindi, A. (2014). Cash Flow Management Practices: An Empirical Study of Small Businesses Operating in the S.A Retail Sector. *Financial Markets Institutions*, 4(2), 87-98.
- Avounyi-Dovi, S. & Neto, D. (2004). Equity market interdependence: the relationship between European and US Stock Markets, *Banque de France, Financial Stability Review*, No. 4.
- Baskin, J. (1989). An Empirical Investigation of the Pecking Order Hypothesis, *Financial Management*, 18, 26-35.
- Bassey, F. Toby, E. Bassey, I. & Ekwere, R. (2016). Liquidity Management and the Performance of Banks in Nigeria, *International Journal of Academic Research in Accounting, Finance and Management Sciences*, 6(1), 41-48.
- Bayoud, S. Sifouh, N. & Chemlal, M. (2018). Determinants of Financial Moroccan Banks Performance: Approach by the Cointegration Method. *Mediterranean Journal of Social Sciences*, 9(4), 141-147.
- Beltratti, A. & Stulz, R. (2009). **Why Did Some Banks Perform Better during the Credit Crisis? A Cross-Country Study of the Impact of Governance and Regulation**, Working Paper at SSRN, Available: <http://ssrn.com/abstract=1433502>.
- Berger, A. & Bouwman, C. (2010). **Bank Liquidity Creation, Monetary Policy, and Financial Crises**. <http://web.mit.edu/cbouwman/www/downloads/Berger>, Bouwman Fin Crises Mon Policy and Bank Liq Creation.
- Black, F. & Scholes, M. (1973). The Pricing of Options and Corporate Liabilities, *Journal of Political Economy*, 81, 637-54.
- Black, F. (1986). Noise, *Journal of Finance*, 41, 529-43.

- Blommestein, H. Harwood, A. & Holland, A. (2012). The Future of Debt Markets, *OECD Journal: Financial Market Trends*, (2011/2), 263-81.
- Brown, C. & Medoff, J. (2003). Firm Age and Wages. *Journal of Labor Economics*, 23(3), 677-697.
- Campbell, J. & Shiller, R. (1991). Yield Spreads and Interest Rate Movements: A Bird's Eye View, *Review of Economic Studies*, 58, 495-514.
- Carney, R. (2001). **The Political Economy of Financial Systems**, Midwest Finance Association.
- Central Bank of Jordan, *Annual Report*, 2019.
- Central Statistics Bureau of the Republic of Latvia (2015). Internet access: <http://www.csb.gov.lv>. [accessed May 10, 2015].
- Cox, J. Ingersoll, J. & Ross, S. (1985). An Inter-Temporal General Equilibrium Model of Asset Prices, *Econometrica*, 53, 363-84.
- Crockett, A. (2001). In Search of Anchors for Financial and Monetary Stability, in Balling, M., Hochreiter, E. & Hennessy, E. (Eds.), *Adapting to Financial Globalisation*, *SUERF*, Routledge, London, 5-14.
- Dai, Q. & Singleton, K. (2002). Expectation Puzzles, Time-Varying Risk Premia and Affine Models of the Term Structure, *Journal of Financial Economics*, 63, 415-41.
- Davydenko A. (2010). Determinants of Bank Profitability in Ukraine, American University in Bulgaria, *Undergraduate Economic Review*, Vol. 7, Issue. 1.
- Dawood, U. (2014). Factors Impacting Profitability of Commercial Banks in Pakistan for the period of (2009-2012). *International Journal of Scientific and Research Publications*, 4(3), 1-7.
- Dietrich, G. & Wanzenried, G. (2011). Determinants of Bank Profitability before and During the Crisis: Evidence from Switzerland, *Journal of International Financial Markets, Institutions and Money*, Vol. 21, Issue. 3, 307-327.
- El-Ansary, O. & Megahed, M. (2016). Determinants of Egyptian Banks Profitability before and after Financial Crisis Corporate Ownership and control, Vol. 14, Issue, 1, 360-372.
- Engel, C. & Rodrigues, A. (1989). Tests of International CAPM with Timevarying Covariances, *Journal of Applied Econometrics*, 4, 119-38.
- European Commission, (1999). Financial Services: Implementing the Framework for Financial Markets: Action Plan, COM (1999) 232.
- Fama, E. (1970). Efficient Capital Markets: A Review of Theory and Empirical Work, *Journal of Finance*, 25, 383-416.
- Finkelstein, S. & Hambrick, D. (1990). Top Management-Team Tenure and Organizational Outcomes: The Moderating Role of Managerial Discretion. *Administrative Science Quarterly*, 35, 484-503.
- Garnsey, E. Stam, E. & Heffernan, P. (2006). New Firm Growth: Exploring Processes and Paths. *Industry and Innovation*, 13(1), 1-20.
- Gastón, S. García, C. Jarne, J. & Gadea, J. (2010). IFRS adoption in Spain and the United Kingdom: effects on accounting numbers and relevance, *Advances in Accounting, Incorporating Advances in International Accounting*, 26(2), 304-313.
- Ghalandari, K. (2012). Investigation of the Effects of Management Skills on the Cash Flow. *World Applied Sciences Journals*, 20(3), 476-480.
- Gill, A. Biger, N. & Mathur, N. (2012). Determinants of equity share prices: evidence from American firms. *International Research Journal of Finance and Economics*, 90, 176- 191.
- Gilligan, G. (1992). Historical Touchstones in the Regulation of the Financial Services Sector, *Journal of Regulatory Law and Practice*, Vol. 1, No.1, 63-71.
- Gippel, J. (2013). A Revolution in Finance? Australian Journal of Management, 38(1), 46-125.
- Gitman and Chad J. Zutter, (2012). Principles of Managerial Finance.
- Goddard, J. Molyneux, P. & John, O. Wilson, S. (2004). The Profitability of European Banks: A Cross-Sectional and Dynamic Panel analysis. The Manchester School, 72, 363–81.
- Goldsmith, R. (1969). **Financial Structure and Development**, Yale University Press, New Haven and London.
- Grassa, G. (2012). Syrian Crisis and its Effect on Housing Bank in Jordan. *Grassa Newspaper*. Retrieved from <http://www.gerasanews.com/article/82658>.
- Haque, R. Datta, R. Dey, R. & Rahman, M. (2013). Financial Variables Having Significant Impact on Market Price of Shares, *Research Journal of Finance and Accounting*, 4(15), 76-80.
- Hashem, H. (2016). Determinants of Egyptian Banking Sector Profitability: Time-Series Analysis from 2004-, *International Journal of Business and Economic Sciences Applied Research*, Vol. 9, Issue. 2, 73-78.
- Hassan, H. & Al-Mazrooei, F. (2007). Banks' Risk Management: a Comparison Study of UAE National and Foreign Banks, *Journal of Risk Finance*, Vol. 8, Issue. 4, 394 – 409.

- Hawaladar, I. Lokesha, S. Kumar, K. Pinto, P. & Sison, S. (2017). Performance Analysis of Commercial Banks in the Kingdom of Bahrain (2001-2015), *International Journal of Economics and Financial Issues*, 7(3), 729-737.
- Hellwig, M. (1996). Financial Innovations and The Incidence of Risk in the Financial System, in BRUNI, F., FAIR, D.E. AND O'BRIEN, R. (Eds.), *Risk Management in Volatile Financial Markets*, SUERF, Kluwer Academic Publishers, Dordrecht, Boston & London, 25-39.
- Iqbal, M. & Molyneux, P. (2016). Thirty years of Islamic banking: History, Performance and Prospects. *Islamic Economics Research Centre*, 19(1), 37-39.
- Jensen, M. & Meckling, W. (1976). Theory of the Firm: Managerial Behaviour, Agency Costs and Ownership Structure, *Journal of Financial Economics*, 3(4), 305-60.
- Jensen, M. (1968). The Performance of Mutual Funds in the Period 1945-64, *Journal of Finance*, 23, 389-416.
- Jorion, P. (2006). **Value at Risk: The New Benchmark for Managing Financial Risk**, 3.Ed., McGraw-Hill, New York.
- Kabajeh, M. Al Nu'aimat, M. & Dahmash, N. (2012). The Relationship between the ROA, ROE and ROI Ratios with Jordanian Insurance Public Companies Market Share Prices, *International Journal of Humanities and Social Science*, 2(11).
- Kareem, B. (2015). Financial Performance of UAE Banking Sector: Domestic vs. Foreign Banks, Master Thesis Published, Eastern Mediterranean University, Gazimağusa, North Cyprus.
- Khamis, M. (2003). **Financial Sector Reforms and Issues in Jordan**. The Euro-Med Regional Economic Dialogue: Rome.
- Khasawneh, M. (2017). The Jordanian economy: Imbalances and challenges. Retrieved from <http://studies.aljazeera.net/ar/reports/2017/02/170209131200736>. Html.
- Leea, S. & Linb, C. (2012). Book-to-market equity, operating risk, and asset correlations: Implications for Basel capital requirement. *Int. Fin. Markets, Inst. and Money*, 22, P. 973– 989.
- Levine, R. Loayza, N. & Beck, T. (2000). Financial Intermediation and Growth: Causality and Causes, *Journal of Monetary Economics*, 46, 31-77.
- Liikanen E. (2012). High-Level Expert Group on Reforming the Structure of the EU Banking Sector.
- Malahimm, S. & Khatib, A. (2018). Determinants of Financial Performance for the Banks Sector in Jordan. *Innovare Journal of Business Management*, 6(1), 13-19.
- Malcolm, K. Tilden, M. & Wilsdon, T. (2009). Evaluation of the Economic Impacts of the Financial Services Action Plan, *CRA International*, London.
- Malkiel, B. (1966). **The Term Structure of Interest Rates: Expectations and Behaviour**, Princeton University Press, Princeton, NJ.
- Markowitz, H. (1952). Portfolio Selection, *Journal of Finance*, 7, 77-91.
- Markowitz, H. (1991). *Portfolio Selection: Efficient Diversification of Investments*, 2<sup>nd</sup> Ed., Basil Blackwell, Cambridge MA & Oxford, UK.
- McMahon, P. (2016). Know the Cash Flow: Cash is Critical to Small Business Survival.
- Mehta, A. (2012). Financial Performance of UAE Banking Sector- A Comparison of before and during Crisis Ratios, *International Journal of Trade Economics and Finance*, 3(5), 381-387.
- Meiselman, D. (1962). *The Term Structure of Interest Rates*, Prentice-Hall, Englewood Cliffs NJ.
- Melino, A. (1988). The Term Structure of Interest Rates: Evidence and Theory, *Journal of Economic Surveys*, 2(4), 335.
- Meng, M. (2018). Overcoming the Cash Drought. *The Business Times*. From.
- Menicucci, E. & Paolucci, G. (2016). The Determinants of Bank Profitability: Empirical Evidence from European banking sector. *Journal of Financial Reporting and Accounting*, Vol. 14, Issue. 1, 86-115.
- Merton, R. (1973). An Inter-temporal Capital Asset Pricing Model, *Econometrica*, 41, 87-867.
- Merton, R. (1973). Theory of Rational Option Pricing, *Bell Journal of Economics and Management*, 4(1), 83-141.
- Micheal G. & Wesley H. (1979). Determinants of Financial Structure: A New Methodological Approach, *Journal of Finance*, 34(3), 631-644.
- Miller, M. (1999). The History of Finance: An eyewitness account, *Journal of Portfolio Management*, 25(4), 95-101.
- Modigliani, F. & Miller, M. (1958). The Cost of Capital, Corporation Finance, and the Theory of Investment, *American Economic Review*, 48(3), 97-261.
- Modigliani, F. & Sutch, R. (1967). Debt Management and the Term Structure of Interest Rates: an Empirical Analysis of Recent Experiences, *Journal of Political Economy*, 75, 569-89.
- Money Works, (2009). The Effects of the Financial Crisis Measurable. *Money Works Magazine*, Manama-Bahrain, 16-17.
- Muth, J. (1961). Rational expectations and the theory of price movements, *Econometrica*, 29, 35-315.
- Muthama, R. (2016). **Effects of Cash Management Practices on Operational Performance of Selected Public Hospitals in Kiisi Country**, Department of Business Administration, University of Agriculture and Technology: Kenya.
- Myers, S. (2001). Capital Structure, *Journal of Economic Perspectives*, 15(2), 81-102.

- Nagraj, A. (2014). UAE Banking Space Too Crowded, Mergers Needed – Emirates NBD CEO. Source: <http://gulfbusiness.com/2014/08/uae-banking-space-crowded>, mergers-needed-enbd-ceo/#.VP6Qr\_mUeT5.
- Nirmala, P. Sanju, P. & Ramachandran, M. (2011). Determinants of share prices in India. *Journal of Emerging Trends in Economics and Management Sciences*, 2(2), 124-130.
- Saddique, A. Ahmad, M. Mumtaz, R. & Arif, M. (2016). The Effect of Financial Variables on Bank Performance Pre and Post Financial Crisis, *Journal of Finance and Accounting*, 4(6), 378-382.
- Samad, A. (2015). Determinants Bank Profitability: Empirical Evidence from Bangladesh Commercial Banks, *International Journal of Financial Research*, 6(3), 173-179.
- Samhan, H. & AL-Khatib, A. (2015). Determinants of Financial Performance of Jordan Islamic Bank. *Research Journal of Finance and Accounting*, 6(8), 37-46.
- Sarita, B. Zandi, G. & Shahabi, A. (2012). Determinants of Performance in Indonesian Banking: A Cross-Sectional and Dynamic Panel Data Analysis. *International Journal of Economics and Finance Studies*, 4(2), 41-50.
- Sharpe, W. (1964). Capital Asset Prices – A Theory of Market Equilibrium Under Conditions of Risk, *Journal of Finance*, 19(3), 42-425.
- Shiller, R. (2000). **Irrational Exuberance**, Princeton University Press, Princeton and Oxford.
- Shiller, R. Campbell, J. & Schoenholtz, K. (1983). Forward Rates and Future Policy: Interpreting the Term Structure of Interest Rates, *Brookings Papers on Economic Activity*, 1, 173-217.
- Stiglitz, J. (1969). A Re-Examination of the Modigliani-Miller Theorem, *American Economic Review*, 59(5), 784-93.
- Suresh, C. (2016). Financial Performance of Selected Conventional and Islamic Banks in Kingdom Of Bahrain – A CAMEL Ranking Based Approach, *European Journal of Economic, Law and Politics (ELP)*, 1(1), 23-59.
- Teshome, E. Debela, K. and Sultan, M. (2017). Determinant of Financial Performance of Commercial Banks in Ethiopia: Special Emphasis on Private Commercial Banks. *Academic Journals*, 12(1), 1-9.
- Titman, S. and Wessels, R. (1988). The Determinants of Capital Structure Choice, *Journal of Finance*, 43(1), 1-19.
- Uddin, M, Rahman, S, and Hossain, R, (2013), Determinants of Stock Prices in Financial Sector Companies in Bangladesh- A Study on Dhaka Stock Exchange (DSE), *Interdisciplinary Journal Of Contemporary Research In Business*, 5(3), 471-482.
- Uddin, R. Rahman, Z. & Hossain, R. (2013). Determinants of Stock Prices in Financial Sector Companies in Bangladesh- a Study on Dhaka Stock Exchange (DSE).
- Vazquez, F. and Federico, P. (2012). Bank Funding Structures and Risk: Evidence from the Global Financial Crisis, IMF Working Paper, [Online]. Available: <http://www.imf.org/external/pubs/ft/wp/2012/wp1229>.
- Wadesango, N. Tinarwo, N. Sitcha, L. and Machingambi, S. (2019). The Impact of Cash Flow Management on the Profitability and Sustainability of Small to Medium Sized Enterprises, *International Journal of Entrepreneurship*, Vol. 23, Issue. 2, 1-19.
- Wang, W. (2010). **Insider Ownership and Bank Performance: Evidence from the Financial Crisis of 2007-2009**, Project Master's Degree, Simon Fraser University, Canada.
- Yesmine, S. & Bhuiyah, M. (2015). Determinants of Banks' Financial Performance: A Comparative Study between Nationalized and Local Private Commercial Banks of Bangladesh. *International Journal of Business and Management Invention*, 4(9), 33-38.
- Zaki, E. Bah, R. & Rao, A. (2011). Assessing Probabilities of Financial Distress of Banks in UAE, *International Journal of Managerial Finance*, Vol. 7, Issue. 3, 304 – 320.
- Zeitun, R. & Benjelloun, H. (2013). The efficiency of banks and the financial crisis in a developing economy: The case of Jordan. *Journal of Finance Accounting and Management*, 4(1), 1.
- Zelgalve, E. & Berzkalne, I. (2015). The Impact of Debt Ratios on Corporate Financial Performance: the Case of Baltic Listed Companies, *Sisteminiai Tyrimai*, 9(1), 108-125.
- Zorqan, M. (2013). The Role of Cash Flow in Explaining the Change in Company Liquidity, *Journal of Advanced Social Research*, 2(4), 231-243.
- Midra, A. (2015). Impact of Total Assets and Net Income on Return on Equity of Small Medium Enterprises of Pakistan, *Pakistan Institute of Learning and Living*, Iqra University, Institute of Clinical Psychology,
- Zun, W. (2019). THE ANALYSIS OF FINANCIAL PERFORMANCE OF NONSTATE OWNED COMMERCIAL BANK IN CHINA (Doctoral dissertation, President University).
- Khan, H. H., Ahmad, R. B., & Chan, S. G. (2018). Market structure, bank conduct and bank performance: Evidence from ASEAN. *Journal of Policy Modeling*, 40(5), 934-958.
- Karamoy, H., & Tulung, J. E. (2020). The effect of financial performance and corporate governance to stock price in non-bank financial industry. *Corporate Ownership & Control*, 17(2).

Hajar, N., & Tho'in, M. (2020). THE EFFECT OF BANKING FINANCIAL SOUNDNESS ON STOCK PRICES TO EARNINGS AND CAPITAL VARIABLES. *International Journal of Economics, Business and Accounting Research (IJEBAR)*, 4(4).