



A Survey on Financial Inclusion: Theoretical and Empirical Literature Review

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Abstract

Recently, policymakers and researchers have shifted their attention toward financial inclusion to control poverty, the black economy, tax collection, and financial development. Empirical and Theoretical literature shows that financial inclusion has become a fundamental requirement for economic development. This study provides a detailed literature review covering recent development in financial inclusion among different nations as well as in different reigns. This study highlights the major factors which influence financial inclusion i.e., financial literacy, financial innovations, financial regulation, financial stability, income, information communication technology, gender differences, cost of financial services, economic conditions, and political situations. These indicators are different across countries which becomes the major reason for variations in financial inclusion among countries. This study also highlights some demand-side and supply-side factors of financial inclusion. This study suggests that availability, accessibility, and usage are the major dimensions of financial inclusion which are measured by saving, lending, no of ATMs, no of bank branches, and no. of bank accounts. The study also has several dimensions of financial inclusion for future research.

Keywords: financial inclusion, financial technology, financial stability, financial institutions

1. Introduction

Presently, literature on financial inclusion highlights the disadvantages for financially excluded individuals and businesses, particularly for poor adults, females, and small and medium-sized enterprises in many developing countries. (Koonson et al., 2021; Oshors, 2021). In this globalized era, many policymakers, economists, and financial analysts in many countries have considered financial inclusion as fundamental to economic empowerment and the best solution to reduce poverty and attain sustainable goals (Emara and Said, 2021; Mhlanga, 2021). The development of a modified delivery system in financial services encourages institutions to design tailored financial products and services for financially deprived individuals. For achieving the desired level of financial inclusion, there must be easy regulations and flexible financial policies are necessary (Huang et al., 2020; Naumenkova, 2019; Beck et al., 2016). Modern delivery methods in the financial system i.e., mobile banking, agent banking, microfinance banks, and hassle-free customer requirements are necessary to identify the underserved and unbanked population. All these policies and initiatives are helpful to enhance access for availing banking facilities for financially deprives individuals. Furthermore, it can generate chances for sustainable development that endure numerous economic shocks (Collard, 2014; Mbutor and Uba, 2013; Aduba and Kalunda, 2012).

The recent advancement in financial inclusion has boosted the practice of financial inclusion convergence, but still, there is a lack of comprehensive review of the literature to address this emerging issue. To address this issue, this study provides a detailed literature review. This study also highlights the recent enhancement in the literature on financial inclusion as well as some debates and problems in policymaking about financial inclusion (Usman et al., 2020; Bozkurt, 2018; Ali & Bibi, 2017; Ali & Audi, 2018; Ali & Rehman, 2015). The procedure of including as well as ensuring that financially deprived individuals are in the formal financial system for access to basic financial services is called financial inclusion (Allen, Demirguc-Kunt, Klapper & Martinez, 2016; Ozili, 2018). It gains the special attention of academics and policymakers for many reasons. Firstly, it is considered the major strategy for achieving the United Nations' sustainable development goals (Demirguc-Kunt et al., 2017; Shay et al., 2015). Secondly, it supports enhancing the level of social inclusion in many societies (Bold, Porteous & Rotman, 2012). Thirdly, financial inclusion supporting to reducing the level of poverty (Chibba, 2009; Ali et al., 2016; Neami & Gaysset, 2018; Ali, 2022; Ali, 2022). Lastly, it brings numerous socioeconomic advantages to developing countries (Kpodar & Andrianaivo, 2011; Sarma & Pais, 2011; Ali, 2022). In every country policy maker and financial experts are developing policies to enhance the level of financial inclusion by providing a significant financial resource to financially deprived individuals.

Many prior studies investigate the several aspects of financial inclusion like helping to promote financial and economic development, financial stability, economic growth, and country-specific financial inclusion practices through financial institutions and microfinance services (Ghosh, 2013; Sarma & Pais, 2011; Cull, Demirguc-Kunt & Lyman, 2012; Hanning & Jansen, 2010; Ali, 2018; Kim, Yu, & Hassan, 2018; Mohan, 2006; Ali, 2015; Fung & Weill, 2015; Mitton, 2008; Ghosh, 2013; Marshall, 2004). Technological advancement and financial innovations are playing a major role in enhancing financial inclusion (Donovan, 2012; Gabor & Brooks, 2017; Ozili, 2018, 2019; Audi et al., 2021; Audi et al., 2022). All these studies are still unable to provide the across countries and regions findings of literature review.

There is still a dire need for recent literature analysis to highlight the cross-country and regional development and experience of literature. In the existing literature overview of risk and returns of the financial inclusion linked

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with credit, saving products, and insurance is highlighted, this review discusses the issues which were previously ignored (Chakrabarty and Mukherjee, 2021). This study consists of a simple methodology for the review of literature, which includes the most recent research publications. Most of the papers are published from 2000 to 2021. This study is structured as follows.

Section 2 will cover some theoretical and conceptual analysis section 3 will cover some emerging themes in financial inclusion Furthermore, section 4 divides empirical literature into different sections including a positive effect on panel and cross-section studies, a positive impact on time series studies, and a negative and casualty effect. Section 5 comprises a summary and conclusion.

2. Theoretical Literature Review of Financial Inclusion

This section highlights the theoretical literature review on financial inclusion. It starts with the definition and origin of financial inclusion. The literature on financial stability, financial development, and economic growth is also highlighted in this study. This study develops the fundamentals for the conceptual framework model. This study collects some major theories in the present era.

2.1. Definition

There is no universal definition of financial inclusion. As per the literature, there are many different views on what it means. The differences in meanings and definitions of financial inclusion vary from the context in which it is used such as economic development and geographical area. Financial inclusion is a process of ensuring access to appropriate financial services to all financially deprived individuals and businesses at an affordable price fairly and transparently by institutional players (Chakravarty & Pal, 2013; Johnson and Arnold 2012; Triki Faye 2013; Labor et al., 2017; Demirguc-Kunt et al., 2014; Popescu, 2019; Lentner et al., 2020; Oshora et al., 2021). Timely and easy availability of financial services to financially deprived individuals and businesses when needed is the best way to enhance financial inclusion (Agarwal, 2010). It is the absence of price or non-price hurdles in the access and use of financial services (Hannig and Jansen, 2010; Nega and Hussein 2016). Additionally, it aims to boost financial services, which involves improving the level of financial inclusion for all individuals at reasonable prices.

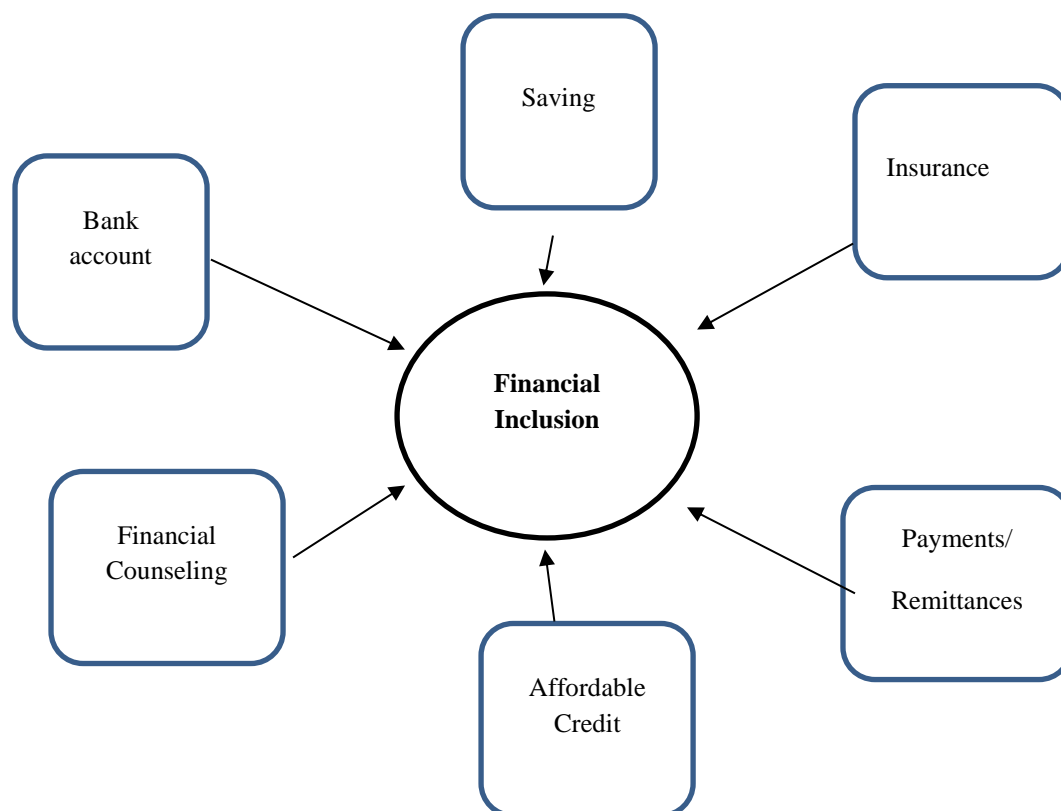


Figure-1: Source: Sahrawat, 2010

Providing full access and availability of modern financial services such as savings, credit, insurance, and payments along with efficient knowledge and support to help customers for making effective decisions for the use of available financial services (Demirguc-Kunt et al., 2017). It refers to the access to financial services for enterprises, households, and financially deprived individuals (Serrao et al., 2012; Beck, 2016).

For attaining higher sustainable growth financial inclusion is becoming the most important policy concern for policymakers and finance experts. The theoretical view of financial inclusion highlighted that it is drive force for attaining higher economic growth. It also demonstrates that finance boost growth (Schumpeter, 1911). According to, to this approach financial sector, helps to enhance innovation, and efficiency in investment output which supports growth through its financial services, which also supports the accessibility of capital formation in the country. The banking sector seems to be more specified, cost-effective, and supportive for achieving the highest growth since capital formation is encouraged to attract business competition among banks and financial institutions.

3. Theoretical Foundation

3.1. Financial Growth Theories

The effect of demand following or supply leading on growth by creative environment and financial development is promoted by theories of finance growth. Low growth is due to income inequality as well as the lack of financial services access perceived by theories of financial growth. Therefore, safe, easy, and affordable access to financial sources is known as the pr-condition for fast-tracking growth and income inequalities for generating equal opportunities which support better economic as well social integration among economies to enhance the development of the financial sector to protect them against economic shocks (Aduda & Kalunda, 2012). The role of the financial system in economic growth has still disagreed on theoretical grounds. Some economist suggests that the financial system plays a vital role in economic growth while other say it doesn't have a significant effect. According to the demand succeeding approach, it is argued that the financial system does not support economic growth, it responds to real sector progress while the supply-leading exponents contrast the former view. The basis of finance-led growth is suggested by Bagehot, (1873). The researcher who supports the finance-led growth hypothesis suggests that the presence of an efficient financial sector is very helpful for enhancing growth. Schumpeter argued that banks permit an economy to raise by providing sufficient financing facilities. Goldsmith, (1969), Mckinnon (1973), Levine and Zervos (1996), and Ndebbio, (2004) suggest that efficient financial systems and affordable financial services positively influence economic growth. It is also suggested that the supply-leading theory supports the involvement of the financial market to enhance the demand for financial services from an existing promising economy. Therefore, the financial system development is a major reflection of increasing growth in other sectors of the economy.

3.2. Theories of Financial Intermediation

When financial institutions bring together individuals with deficit as well as surplus spending, its shows financial intermediation. This is the most important question that theories try to solve why investors did not lend directly to the borrowers rather than indirectly or through financial intermediary (Ndebbio, 2004). I also suggested that banks are playing a vital role in the effective monitoring of borrowing and lending (Diamond, 1984). Diamond further reveals that financial intermediaries offer services through secondary financial products to buy primary financial products. The investor can buy primary assets more efficiently as well at a low cost by neglecting the financial intermediaries' services of financial providers. This direct link between lenders and borrowers enhances market friction. Market friction is considered the most perilous mechanism for creating persistent income inequality as well as helping to control the poverty trap (Aduda and Kalunda, 2012). It is also considered as the information asymmetry as well as transaction fees playing a vital role in motivating basic decision choice of physical and human capital accumulation (Demirgüç-Kunt et al., 2008). Theories indicating financial market deficiencies and capital accumulation examine the level of finance that which poor can borrow for investment or fulfilling physical capital needs. Most theories emphasize that entrepreneurship and financial market imperfections identify the way through which financially deprived talented individuals can fulfill their financial needs to start projects or businesses. Therefore, progress for financial development, growth, and intergenerational income dynamics are closely linked. Efficient opportunities for finance for poor financially deprived individuals as well as businesses support efficient resource distribution all over the economy which will ultimately enhance economic growth.

Furthermore, financial market friction can be archived by financial inclusion. Because it supports information asymmetry which is necessary for market efficiency since every participant has no access to all information needed for effective decision-making. This lack of asymmetry information can create the problem of monopoly in information, moral hazard, and adverse selection. In the adverse selection model, the individuals with lack information about a basic understanding while, in moral hazard the unaware individuals have no information about the performance of the contract or cannot retaliate for the break of the contract. This lack of information creates high transaction costs for investors or borrowers. Raised transaction costs led to a higher price for products, is also enhanced financial exclusion. Financial inclusion initiatives are pitched to drop the transaction cost. The theoretical model directed that market imperfection in expanding financial opportunities for financially deprived individuals has a positive impact on overall growth (Demirguc-Kunt and Levine, 2007).

From the above theoretical discussion Schumpeter, (1911) supported by, King and Levine, (1993) suggest that the banking sector is considered the major financial intermediary which has a significant effect on long-term growth and productivity through capital accumulation. While, there is a huge difference between the financial system and

the performance of the financial system due to geography, time, and dimensions (Honohan, 2004; Beck, 2007). Furthermore, empirical studies (Robinson, 1952) highlight the results of finance and growth studies can vary with time and circumstances, and results can be unidirectional or bidirectional. Lavin, (1993) also suggests that technological changes as well as capital accumulation are major channels of the financial system which have a strong effect on growth.

Additionally, Schumpeter's (1911) view is supported by Goldsmith (1969) and Michigan (1973), the financial system has a positive impact on economic growth. It further suggests that financial market factors such as interest rates enhanced demand for financial products and services which further increase competition among banks and other financial institutions. It also enhances saving and investment which will support economic growth. However, some theories reveal that there is a positive association between access to financial services and overall growth in the country (Sharma, 2016).

4. Emerging Literature Themes in Financial Inclusion

Emerging literature about financial inclusion from two major types is discussed in this section. The first part covers the emerging literature on countries as well as regional contexts. While second part analyzes emerging literature review by present development in the literature.

4.1. Countries and Regional Studies

This part of the literature review analyzes financial inclusion in many countries and regions covering Asian Region, the African region, the European region, the USA, and some other countries' specific contexts.

4.2. Country-Specific Studies

In this study present, literature is highlighted by countries' context according to different researchers. For example, Bongomin (2018) analyzed that in Uganda social consistency and social networks enhance the level of financial inclusion. Dematteis (2015) examines that in the EU migrant have a significant impact by economic constraints in Italy, which is mainly exposed to financial and social exclusion. The Financial, as well as social integration of migrants, needs greater attention from policymakers as well as financial experts. Nanziri (2016) analyze financial inclusion concerning the gender gap in South Africa which, highlight that woman are mostly using formal financial products, services, and transactions as well as informal mechanism. While, men are mostly using formal credit, saving products, and insurance services in South Africa. Results of the study concluded that there is no difference in the welfare of men and women concerning financially included. Mitchell and Scote (2019) investigate financial inclusion in Argentina concerning tax revenue. The study concludes that the government of Argentina uses financial inclusion to enhance tax collection. For this purpose, the government of Argentina indulged more individuals into the formal banking sector so, that the use of credit, as well as debit cards, can be enhanced instead of using cash by consumers in consumption for meeting their demand for goods and services. The Study concluded that this process is very helpful to tax impositions as well as tax collection for the government. Ghosh and Bhattacharya (2019) investigate the level of financial inclusion in Bangladesh. This study shows that financial innovations are very helpful to deliver financial services which enhanced the level of financial inclusion. This study mostly focused on all the innovative financial services provided for poor adults as well as financially deprives females of Bangladesh. This study concludes that there is a significant relationship between financial innovations and financial inclusion. Ali (2019) investigates the hurdles in achieving Islamic financial services in Comoros. The major focus of this study was financially depriving women in Comoros. Results of this study show that financially deprived women of Comoros have no money as well as the lack of information about financial services provided by formal financial institutions boosts them out of poverty. Wang and Shihadeh (2015) examine the level of financial inclusion in Palestine. The results of the study prove that the level of financial inclusion is raised in Palestine after joining the Alliance of financial inclusion to improve the national financial infrastructure.

4.3. UK and USA Context

Both of these developed countries have matching policies for the enhancement of financial inclusion. A comparative study of enhancing financial inclusion is conducted to highlight the strategies developed by the British and US government, this study investigates that financial inclusion is the major issue and little attention is paid to the broader link among individuals as well as their locations which is most important for improving their contribution in the formal financial sector. This Study shows that the British policies for financial inclusion provide the best solution to this issue of financial inclusion by providing equal access to financial products provided by the bank as well as other financial institutes but the lack of cooperation among financial institutions and the bank is a major hurdle for achieving a higher level of financial inclusion (Marshall, 2004). It is also investigated that the people of the UK outside the formal financial system facing many problems such as the high-interest rate on borrowings, lack of income accounts, insurance accounts, and high cost of utilities. It also reveals that financially included individuals enjoy these facilities at the cheapest rate. It is noted that 2 million adults were there with formal bank accounts in the UK between 2005-06, which was at 2.6 million in 2002-03. This decline is observed due to the difference in the characteristics of financially deprived individuals because every individual does not have a high income but still, there is notable progress in financial inclusion in the UK (Mitton, 2008). Collard (2007) also investigated the level of finances in the UK during 2006-07 under the perspective of

digitalization. The results of this study reveal that the UK is making progress toward becoming a cashless economy, and the circumstances of being financially excluded in becoming more serious. While payment through mobile accounts is becoming most popular in the USA. It helps individuals to get a wider range of access to cheaper financial products and services. Thus, increased advertisement of mobile payments in the USA inspires more advertisement rather than creating financial products and services for the unbanked population to enhance financial inclusion, such activities need some rules and regulations to be applied for the access of mobile banking as well as mobile payment services to the individuals to make sure the payment services as well as payment system more helpful for better financial inclusion (Fonte, 2012).

4.4. African Context

In the African region financial inclusion gained much attention among policymakers, economists, and financial analysts. Many studies highlight that financial inclusion emerging in the African region in recent eras. African countries' banking system is becoming witnessed for an enhanced level of financial inclusion, especially foreign financial institutions and banks of emerging markets support better access to financial products and services in African countries. It is also investigated that the presence of banks and financial institutions from Europe and the US hurts financial inclusion in African countries (Simbanegavi, 2014). Empirical studies investigate the factors of financial inclusion in the case of 37 African countries and concluded that factors such as the income of individuals, education level as well as the greater link with the formal financial system are considered major elements of financial inclusion in African countries (Zins and Weill, 2016). Increased financial innovations also significantly contribute to the enhancement of financial inclusion in African countries. It is also suggested that financial innovations help to remove the infrastructure problems. Empirical studies also reveal that there is a strong connection between mobile phones, internet users, and financial inclusion in African countries during 2000-16. These factors are very helpful for individuals to attain more financial products and services, which enhanced the level of financial inclusion (Allen et al., 2014 Evan, 2018). Chikalipah (2017) also highlighted the literacy rate as a helpful indicator of financial inclusion for Sub-Sahara Africa in 2014.

4.5. European Context

Financial inclusion in the European region is raised by making easy and affordable access to financial services, updating credit markets, and increasing the number of borrowers by creating stability in the financial markets. Financial markets are different across Europe but the ultimate objective of every market is to provide easy and affordable access to financial services to every individual as well as business (Bakar and Sulong, 2018). Sinclair (2013) highlighted financial inclusion in Britain from the European perspective and concluded that affordable access to financial services for low-income individuals exists in Britain. It is also concluded that there is a contradiction among the bank, British banks avoid providing services to financially deprived individuals and businesses. Corrado and Corrado (2015) investigate the major determinants of financial inclusion among 18 Eastern European countries and 5 Western European economies by using socio-economic and demographic data from about 25000 households in Europe. The data for these individuals is collected with the help of the second round of the life in transition survey conducted during the time frame of 2007 to 2008. The study examines that during the financial crises time unemployment and low-income shocks have much effect on households. Furthermore, especially in Europe loan without any asset's collateral is considered financially excluded. The major step for promoting financial inclusion in five large economies of Europe i.e., Germany, France, the UK, Italy, and Spain is noticed to increase access to financial services for deprived individuals as well as businesses. This can be achieved through the subsidization by the government on bank loans to promote small-scale businesses as well as financially deprived individuals (Infelise, 2014). Comparato (2015) reveals that financial inclusion plays a critical role in promoting society as well as economic growth. It is also concluded that in Europe the credit markets are well-developed for promoting financial inclusion.

4.6. Australian and Asian Context

Empirical studies highlighted that financial inclusion is considered the most important concern of policymakers in Asia as well as in some Australian countries. Australia also adopted the financial inclusion model of the UK. Fungacova and Weill (2015) investigate that a higher level of financial inclusion is achieved by China through the extensive use of formal bank accounts, savings, and other financial services in contrast with other BRICS economies. It is also highlighted that individuals outside the financial system are the main volunteers in China. It is also observed that individuals with no formal bank accounts are not availing of credit facilities from formal financial institutes. They borrow the amount from their family and friends to meet their financial needs. Furthermore, it is concluded that better education, higher income, gender difference, and age level are strongly linked with the use of formal bank accounts as well as formal credits in China. Tsai, (2017) explores that China is observed a volatile increase in fintech products and services. From 2016 to 2020 the government of China developed strategies to encourage the use of web-based services and digital technologies to enhance financial inclusion as well as social stability.

Chakravarty and Pal (2013) reveal that in India during 1977-90 many social banking policies are developed to enhance the level of financial inclusion across the numerous states of the country. While pro-market financial sector policies hurt the level of financial inclusion in India. Kumar, (2013) investigate the major determinants of financial inclusion in the case of India and identified that number of factories, employees, and branch networks

are strongly associated with the level of financial inclusion. Ayyagari and Beck, (2015) conducted analyses in developing regions of Asia, which highlighted that less than 27% of developing Asian adults had bank accounts in the formal financial sector while, only 33% of businesses are using formal financial services i.e., loans and deposits from financial institutions. They also indicate geographical access; lack of identification and high cost of financial products and services are the big hurdles to financial inclusion for the developed area of Asia. Financial inclusion is significantly contributing to overcoming poverty levels and removing the equal distribution of wealth (Park and Mercado, 2015). Godinho and Singh (2013) investigate that in Australia remote indigenous societies are considered the most ignored community in terms of financial inclusion. It is also investigated that in these communities most peoples have access to cell phones and mobile banking is also popular in these societies but still, they are outside the formal financial system.

4.7. Middle East and North African (MENA) Region

In MENA countries it is mostly observed that low-income countries are out of the financial system. Empirical studies investigate that policymakers aim to provide financial services to low-income individuals in MENA economies. Neaime and Gaysset (2018) reveal that in how poverty is controlled by financial inclusion from 2002 to 2015. They also investigate that an increased level of financial inclusion helps to reduce poverty. Income inequality can also be reduced with the help of financial inclusion. Whereas, it is examining that increasing inflation, population growth, and trade openness can cause to enhance the poverty level in MENA countries. Naceur et al., (2017) analyze the relationship between financial inclusion and Islamic banking, which is not meeting the expectations of policymakers and economists in MENA countries because the use of financial services did not increase as per expectations. Pearce (2011) examines the level of financial inclusion in MENA economies and concludes that there is a dire need for financial regulations supervision and framework which enhance access primarily to finance through formal financial institutions. Furthermore, ensuring regulatory framework and agent mobile banking technology, model of providing finance by microcredit leasing, and practical competition among financial services providers should be enhanced in these economies. To increase the market demand for financial products and services the hurdles of Islamic financial services are efficiently removed so that financial inclusion can be enhanced. Akhtar and Pearce (2010) investigate the factors enhancing financial inclusion in MENA countries. Major factors in promoting financial inclusion are electronic payments of salaries and pensions, mobile and branchless banking, Islamic microfinance, basic bank accounts, leasing, factoring, insurance, and using postal services. While, some challenges i.e., weak financial infrastructure, and lack of robust regulatory framework exist in these regions. The unwillingness of non-governmental organizations for enhancing financial inclusion is also a big hurdle due to religious and political contradictions in the region. After analyzing the literature, it is observed that there is still a dire need for work on financial inclusion in MENA nations.

4.8. International and Regional Context

Turegano and Herrero (2018) examine the impact of financial inclusion in reducing poverty and income equality in cross-country analysis by using economic development and fiscal policy as controlling variables. This study investigates that financial inclusion significantly contributes to eliminating poverty as well as equal distribution of income while the size of the financial sector does not enhance financial inclusion. Kabakova and Plaksenkov (2018) investigate the factors promoting financial inclusion in developing countries and highlight the economic, political, and sociodemographic factors of financial inclusion which are significantly linked. Yangdol and Sarma, (2019) reveal the demand side factors of financial inclusion. They highlight that women, uneducated, jobless, and poor individuals are inversely linked with financial inclusion. On the other hand, higher education levels and higher income have a positive association with financial inclusion. Owen and Pereira (2018) analyze 83 economies by using a data frame of 10 years and investigate that greater banking and industry concentration is strongly linked with more access to deposit accounts, loans, and other financial transactions. This study also suggests that easy financial regulations help to increase financial inclusion by providing financial activities at large scope in developing countries.

5. Empirical Review Literature

Existing studies highlight contradicting evidence links between financial inclusion and its impact on individuals or household poverty and financial stability as well. Empirical studies investigate the level of financial inclusion in different countries by using different methods as well as different explanatory variables. Since the last two decades too much effort dedicated to financial inclusion phenomena. Much empirical evidence (Marron, 2013) has analyzed and explored the concept and meaning of financial inclusion as originated in Britain in the 1990s. The author reveals that the market players are responsible to conceals neoclassical premises of financial inclusion. The weaknesses in financialization as well as the financial innovation process are considered helpful to enhance financial inclusion like access to financial services and some other financial transactions (Polillo, 2011 and Kear, 2013). During the financial crisis of 2007-08, it is observed that there is a negative impact of credit expansion on low-income individuals (Bayulgen, 2013). The study also highlights that this negative impact of credit expansion has a direct effect on the lending decision of banks to certain sectors of the population. This study also suggested that better supervision is needed for making lending decisions. Hudon (2009) also highlighted that there should be equal and easy access of financial access for every individual in the economy. The study also highlighted that

overcome the harmful consequences of credit instead of controlling credit. All accept of life i.e., fairer, gentler, and kinder are majorly claimed the easy access to financial products (Kear, 2013). Many existing researchers (Salignac et al., 2016; Salignac et al., 2019) investigate that financial inclusion is not measured properly in terms of access to financial services, it is better to understand how financially deprived people react to adverse financial events. These studies suggest individuals and technical analysis, resilience and ecological system, and a hostile analysis to understand the reaction of individuals to economic and financial shocks. These studies explore the new framework for financial inclusion such as credit scoring which still needs to explore (Hudon, 2009; Bayulgen, 2013; Yunus, 2007 and Evan, 2018; Loureiro and Gonzalez, 2019). (Corrado and Corrado, 2015) investigate the determinant of financial inclusion as well as the probability of using financial services. During 2008-2010 they investigated the geographical measures of financial inclusion in Europe during a transition phase survey conducted by the world bank. Financial decision-making, as well as socio-economic information, are collected and analyzed through this survey which comprises 25000 individuals across 18 countries of eastern Europe and 5 western European countries. The crisis of 2007 still existed and the survey highlights the measures of financial inclusion through individuals who succeeded in getting bank loans and other financial services. Surprisingly, according to empirical studies, results show that financial inclusion as a function of the location of residence, type of employment, level of income, education level, marital status, age, religion, and ethnicity of the family is the major likelihood of financial inclusion. Determinants of banked and underbanked individuals are investigated in empirical literature to focus on vulnerable groups. The major focus was on the integration of the risk of poverty and financial inclusion during 2015. Results reveal an inverse impact relationship between socially excluded individuals and the intensity of the use of financial services. This study examines two major demographic factors such as gender and age which have a significant impact on financial inclusion. Most people under consideration were under the bank in Latin America as well as in Africa. Furthermore, both unbanked and underbanked individuals were linked with low-income and unstable job situations. Origen of individuals, income/job circumstances, and access to financial services are three different profiles of financial inclusion that are highlighted by this study (Fernandez et al., 2018; Islam and Simson, 2018; Koku and Jagpal, 2015). Empirical studies (Caplan, 2014 Birkenmaier, 2018) investigate that savings, investment, mortgage loans, and employee retirement accounts have a positive and significant impact on financial inclusion. While the use of auto loans and credit cards harms financial inclusion. The difference in the demand and supply of financial services based on the racial wealth gap in the USA is examined (Burton, 2018). The findings of empirical studies (Deku et al., 2016) highlighted that the series of financial services to consumers i.e., access to credit and intensity of borrowing are considered the weaker in the UK. Burton (2018) also highlighted that the unequal distribution of financial services based on socioeconomic status is considered as the reflection of competition for limited resources discourse of deserving as well as undeserving individuals. Joassart and Stephens (2010) suggest that nationality, income, and the higher cost of financial products are strongly linked with financial inclusion. Online banking, digitalization, and technological advancement are suggested as helping tools for making easy access to financial services in both rural as well as in urban areas (Horska et al., 2013; Simpson and Buckland, 2016 Coppock, 2013). Kosse and Vermeulen (2014) examine that the use of informal channels of sending remittances increases when the use of mobile phone technology increases. Some empirical studies also highlight the risk and negative impacts of digitalization. Kear (2017) investigate that the invention of the latest technology and big data for credit scoring implements a data tax for those who have fewer resources. Additionally, many authors conclude that technological advancement and digitalization seem to be neutral phenomena neither negative nor positive for financial inclusion. Dupas and Jonathan (2009) examine that there is no evidence about saving accounts squawking other investments or bad shocks. This study also reveals that saving has a more positive significant effect on women than men. Hannig and Jansen (2010) investigate the impact individuals attribute to micro-credit usage by the owner of businesses for the expansion of business activities or raising the investment rather than raising consumption. The study also highlights that health, education, and women empowerment do not significantly affect financial inclusion. While financial inclusion is very helpful to eliminate poverty. Bugress and Pande (2005) investigate financial inclusion in India by using the opening of commercial bank branches using state-led strategies linked with poverty reduction among unbanked individuals in rural areas. This study only focuses on the presence of bank branches which, does not show the level of financial inclusion accurately. This study did not present the ultimate solution for increasing financial services access to eliminate poverty. The expansion of banking services did not ensure the increased use of financial products by the poor and financially deprived individuals unless quality cannot be ensured, fees cannot be controlled and trust can't be developed (Robinson, 2012). This study focuses only on demand-side factors of financial inclusion while it has supply-side factors as well which were ignored. The finding of the study of (Mutua and Oyugi, 2007) are also in line with existing findings that financial inclusion is positively linked to financing programs that contribute positively to reducing poverty. Results of the study also reveal that the mobilization of savings of rural individuals as well as the potential of utilization of the unique banking services is also supporting to enhance the level of financial inclusion and elimination of poverty. Additionally, the formal banking institution is trying to cover the gap between the services provided and services required by individuals in the rural as well as urban markets by increasing the bank branches in these areas and making lenient policies for promoting financial inclusion. Many individuals borrow and save money to invest

(Lemma and Rud, 2010). While, most individuals borrow and save money for expenditures, however, meeting daily operating expenses is the most important need of households. The study also highlights some other objectives of saving such as investing in education, attaining health facilities, livestock farming, and formulation of new businesses. Saving also can be used for more than borrowing. Both men and women have the same attitude toward saving as well as borrowing of the finance. Many individuals even poor and financially deprived save money for a variety of investment objectives. The study also reveals that educated people have more borrowing and saving behavior as compared to uneducated. The study investigates that both formal and informal sources of finance are used by individuals but most people avoid formal financial services due to the high cost of borrowing as compared to lack of money. Halwe (2010) analyzed the saving pattern and need for credit for tribal families of different areas in India which suggest that poor individuals use financial intermediation more seriously as well as dedicate substantial efforts to the discovery of a practical solution. It is noted that mostly poor individuals continuously engage in many financial transactions without using formal financial services which are most affordable and easy to use. This study only focuses on demand-side factors of financial inclusion. Furthermore, this study ignores the supply-side factors as well as the benefits of formal financial services.

From a household perspective the role of microfinance interference is also observed in various districts of India. The results suggest that financial inclusion is considered the strategy for poverty reduction as well as indebtedness in the formal financial institution. This is also seeming as alarming for the financial sustainability and overall stability of the financial system (Barman et al., 2009). This study also highlights the importance of credit information before the disbursing of a credit facility. It is also stated that the moneylender with a high-interest rate is still attracting customers. This study gives the ultimate solution to enhance financial inclusion. Chattopadhyay (2011) also highlights financial inclusion by using a multidimensional strategy for constructing the financial inclusion index. This study used three major dimensions of financial inclusion i.e., availability, penetration, and usage of the banking system. This study highlights many factors of financial inclusion like occupation, literacy, and some other banking services. These factors and dimensions of financial inclusion also investigate by many other empirical studies (Sarma and Pias, 2011; Ruiz and Porras, 2009). All these studies highlight the different dimensions of financial inclusion for index construction.

6. Recent Development in Literature

This section of the study highlights some emerging areas of development in the literature on financial inclusion. Emerging literature reveals that there are many strategies for enhancing financial inclusion like financial literacy, financial innovation, financial stability, and financial technologies. All these factors are considered critical success factors for enhancing financial inclusion (Kapadia, 2019; Ozili, 2018; Beck et al., 2014)

6.1. Financial Inclusion and Financial Literacy

Many researchers (Kapadia, 2019; Atkison and Messy, 2013; Ramakrishnan, 2012) investigate the role of financial literacy in enhancing financial inclusion. Empirical studies concluded that financial literacy such as saving, use of loans, and the management of money is positively linked with financial inclusion. It is evident that in India financial inclusion is promoted by financial education furthermore, it enhances the living standard of households. It is also suggested that low financial inclusion is linked with a lower level of financial literacy as well as bad educational policies. Empirical studies also highlight the significant association between financial literacy and financial inclusion in Ghana (Adomako et al., 2016; Grohmann et al., 2018; Nelson, 2011). These studies also highlight the same conclusion in cross-country analysis.

6.2. Financial Inclusion, Financial Innovation, and Technology

Some empirical studies investigate the impact of financial innovation and technological advancement in promoting financial inclusion because the existing structure and process of the financial system are very poor for promoting financial inclusion (Al-Mudimigh and Ansari, 2020; Beck et al., 2014; Chinoda and Kwenda, 2019; Ouma et al., 2017). Financial innovation is considered as technological advancement, development new of financial instruments as well as improved delivery of financial products and services. Ouma, 2017 highlights that financial innovations such as the use of cell phones are used to enhance financial inclusion through saving as well as other financial transactions. Chinoda and Kwenda (2019) reveal that the use of cell phones as well as technological advancement plays a significant role in promoting financial inclusion in 49 selected countries. Anshari (2020) examines that the countries with a large number of internet users as well as a large number of FinTech organizations help raise the level of financial inclusion, particularly for individuals outside the banking system. Empirical studies also highlight the substantial growth in the level of financial inclusion in Africa due to technological advancement. Smart-phone lending, women empowerment, entry of foreign banks, and creation of microfinance intuitions are also analyzed as the latest advancement in financial system strategies for promoting financial inclusion (Bravo et al., 2018; Shetty and Hans, 2018; Chen and Divanbeigi, 2019; Leon and Zin, 2019). Furthermore, optimal monetary policy, agent banking, improved financial protection, strong financial capability, and integration of post offices into the financial system are considered the major indicators of promoting financial inclusion (Yi et al., 2018; Naceur et al., 2017; Mehrotra and Yetman, 2014; Anson et al., 2013; Pollin and Riva, 2002; Kimmitt and Munoz, 2017; Pati, 2009; Diniz et al., 2012 and Dias and Mckee, 2010). Empirical studies also highlight that the distance between bank and customer as well as the point of sale of financial products and

services and other financial transactions raises the level of financial inclusion (Sherraden, 2013; Demircuc-Kunt et al., 2012; Banka, 2014; Donovan, 2012 and Aggarwal and Klapper, 2013).

The majority of researchers, scholars and policymakers investigating financial inclusion are linked with some major developed organizations or developed research centers in educational institutions, which reveals the major conflict of interest. Most institutions i.e., the Asian Development Bank (ADB), World Bank (WB), African development bank (ADB), the International monetary fund (IMF), Central bank of every country, Alliance of Financial Inclusion (AFI), Fund research projects are pro-financial inclusion and the results of these studies are tailored or reasonable to encounter the prospects. Results of google scholar show that most of the search on financial inclusion is done by developed institutions' scholars and researchers.

6.3. Financial Inclusion and Regulations

In recent eras, policymakers are continuously working for promoting financial inclusion by developing favorable financial standards throughout the world (Andriosopoulos et al., 2019). These uniform standards and policies increase the inspection and regulations of financial inclusion in the countries. Further investigation is needed for developing favorable financial regulations and how these policies, regulations, and practices help achieve a higher level of financial inclusion globally (Beck, 2017; Currie, 2006).

Many empirical studies use various methodologies and time frames to analyze the relationship of financial inclusion with various explanatory variables.

Table.1

Sr. No	Author	Time Frame	Variables	Methodology	Conclusion
1	Koomson & Danquah, 2021	2012-2017	Financial Inclusion, Poverty, age, gender, education, marital status, geography, employment	2SLS, PSM	The findings of the study reveal that financial inclusion is negatively linked with household energy poverty while it is positively linked with per capita income, education, and employment. The study also highlights that gender, age, and marital status include financial inclusion and poverty.
2	Oshora et al., 2021	2020	Institutional factor, supply-side factor, demand-side factor, market opportunity, cost of borrowing, collateral requirement, and financial inclusion	Descriptive statistics, frequency distribution, model summery, Anova test, OLS estimates	Results of the study suggest that the supply and demand side factor of financial inclusion has a positive impact on financial inclusion while institutional factors hurt financial inclusion.
3	Aduda & Kalunda, 2012	2012	Financial inclusion & financial stability	Banking model	The findings of the study highlight that there is a positive and significant impact of financial inclusion on the stability and development of the countries as well as the development of people.
4	Usman et al., 2020	1990-2017	Financial inclusion, renewable energy, non-renewable energy & economic growth	Descriptive statistics, cross-section dependency test, panel stationarity test, panel cointegration test, panel causality test & ARDL	This study highlights that financial development, energy utilization, and trade openness are significantly and positively linked with environment quality and economic growth in the long run. Additionally, in growth function, financial development, renewable and non-renewable energy are significantly linked with

					economic growth in the long run.
5	Bozkurt et al., 2011-2014 2018	Financial inclusion, social factor & banking factors	Spatial regression, spatially autoregressive or lagged model (SLM), OLS		This study concludes that social factors are positively associated with financial inclusion. This study also highlights the convergence of financial inclusion among countries in the world by examining spatial regression. Furthermore, results reveal that negative spillover of west Africa and central Asia. The finding of the study also reveals that banking profitability may be raised by the previously unbanked population.
6	Allen et al., 2015 2011	Financial inclusion, income, age, geography, unemployment, education	2SLS		This study shows that better financial inclusion is linked with lesser account costs, the better proximity to financial mediators, stronger legal rights, and more politically stable environments.
7	Ozili, 2017 2017	Financial inclusion & digital finance	Discussion based on empirical studies		Results of the study highlight that Digital finance over Fintech providers has a positive impact on financial inclusion in developing and developed countries, furthermore it highlights that digital finance delivered to individuals with low and variable income is often more appreciated than the higher cost they will pay to obtain such services from conventional regulated banks.
8	Kim et al., 2017 1990-2013	Financial inclusion & Economic growth	Arellano and Bond, generalized method of moments (GMM) & Panel Granger causality test		Results show that financial inclusion significantly and positively affects economic growth. Results also display the bi-directional link between financial inclusion and economic progress.
9	Chibba, 2014 2002-2005	financial inclusion, poverty reduction & millennium development	Explanatory Financial Inclusion Models		Results of the study propose that financial inclusion is a comprehensive change and poverty reduction policy that establishes itself as part of the developing financial inclusion, poverty reduction, and millennium development goals nexus. While the current global situation highlights the need to scale up financial inclusion so that the millennium

					development goals can be attained.
10	Neaime & Gaysset, 2017	2002-2015	Financial inclusion, population size, income equality & inflation	Generalized method of moments (GMM) & generalized least squares (GLS)	Results of the study show that financial inclusion can cause a decrease in income inequality, while, population size and inflation cause to surge in income inequality. Results also reveal that financial inclusion has no effects on poverty, while, population, inflation, and trade openness are all found to significantly increase poverty.
11	Sarma & Pais, 2008	2004	Financial inclusion, literacy, income inequality, NPA, CAR economic, human development, development & urbanization	Regression Analysis	Results of the study show that human development, socio-economic factors, income, literacy, and urbanization have positive and significant impacts on financial inclusion. while banking sector variables such as NPA and CAR hurt financial inclusion.
12	Cull et al., 2012	2012	Financial inclusion & stability		Results of the study highlight that Four factors come into play: financial inclusion, consumer protection, financial integrity, and financial stability. These factors are inter-related and, under the right conditions, positively related to each other.
13	Kim et al., 2017	1990-2013	Financial inclusion & economic growth	Panel VAR, Arellano Bond dynamic panel regression	The results show that financial inclusion has a positive and significant impact on economic growth in OIC countries.
14	Mohan, 2006	1981-2005	Economic growth, financial deepening, and financial inclusion	Descriptive statistics, correlation matrix	Results of the study show that with growing liberalization and raising economic growth and economic activities. To meet the raising demand for credit banks, need to mobilize resources. This can be only possible by strengthening financial inclusion. Thus, financial inclusion will lead to financial development in countries which will help to hasten economic progress.
15	Fungáčová & Weill, 2014	2011	Financial inclusion, income, age, education, and gender	Descriptive statics, probit regression model,	This study finds that higher income, better education, being a man, and being older are linked with superior use of formal accounts and formal credit in China. Income and education effect the use of alternate sources of borrowing.
16	Chakravarty & Pal, 2010	1981-2007	Financial inclusion	Descriptive statistics,	The methods of constructing financial inclusion measures

				correlation matrix & PCA	and specifying axioms are readily implemented using appropriate data. This study has also indicated how the financial inclusion measure can be employed for policy purposes. These features make this measure quite attractive.
17	Johnson et al., 2012	2006-2009	Socio-economics factors, demographic factors, geographic factors & financial inclusion	The probit regression model,	Results of the study show that socioeconomic, demographic, and geographic factors are positively and significantly linked with the level of financial inclusion.
18	Ibor et al., 2017	2017	Financial inclusion	Descriptive statistics and Pearson chi-square	The findings of the study show that financial inclusion has positive and significant impacts on the procedures and growth of SMEs.
19	Nega & Hussein, 2016	2013/2014	Financial inclusion, size, gender, age, agriculture & trade	Logit regression	The findings of the study reveal that access to finance is significantly influenced by the age of the firm, the firm's preceding engagement with banks, the experience of the manager, and firms managed by the owner (owner-manager).
20	Emara & Kasa, 2020	1980-2018	Financial access & domestic saving	Descriptive statistics & GMM	The results of the study with a full sample indicate that improvement in financial access may initially increase the savings rate leading to an increase in savings.
21	Ndebbio, 2004	1980-1989	Financial deepening and economic growth	Ordinary least squares (OLS)	Results of the study reveal that financial deepening has a positive and significant impact on financial inclusion.
22	Beck et al., 2007	1980-2005	Financial development, income & poverty rate	Descriptive statistics & Ordinary least squares (OLS)	This study concludes that financial development excessively helps the poor. Better financial development encourages the incomes of the poor to raise quicker than average per capita GDP growth, which lowers income inequality.
23	Sharma, 2015	2004-2013	Financial inclusion & economic growth	VAR, Granger causality	The results of the study suggest there is a positive association between economic growth and various dimensions of financial inclusion. furthermore, Granger causality analysis highlights a bi-directional causality between geographic outreach and economic development and a unidirectional causality

					between the number of deposits/loan accounts and gross domestic product.
24	King & Levine, 1993	1960-1989	Finance & economic growth	Pearson Correlations & ordinary least square	Results of the study show that numerous measures of the level of financial development are strongly linked with real per capita GDP growth, the rate of physical capital accumulation, and improvements in the efficiency with which economies employ physical capital.
25	Nanziri, 2016	2006-2011	Financial inclusion	Descriptive statistics & OLS	This study finds that females mainly use formal transactional products and informal financial mechanisms, while men mainly use formal credit, insurance, and savings products. Despite this pattern in the use of financial products, a quantile regression analysis shows that there is no statistically significant difference between the welfare of financially included men and women.
26	Mitchell & Scott, 2019	2000-2015	Public revenue, financial inclusion & value added tax	Ordinary least square (OLS)	Results of the study show that as financial inclusion drew more people into the formal banking system, consumers began to use less cash and more credit and debit cards causing more consumption to occur in formal markets (“easily taxed”) and less in informal markets (“less taxed”).
27	Marshall, 2004	2004	Financial institutions, policies & financial inclusion	Discussion based &	Results of the study show that British policies seek to provide joined-up solutions to financial exclusion in a way that is more in tune with an integrated financial sector where a small number of large banks compete on a level playing field with other financial institutions
28	Chikalipah, 2016	2014	Financial inclusion	Descriptive statistics, correlation matrix & ordinary least square (OLS)	The empirical results in this study specify that illiteracy is the major hindrance to financial inclusion. The results provide useful information to government agencies and international development organizations. Also, the results can help accelerate and strengthen financial inclusion strategies among countries

29	Kumar, 2013	1995-2008	Financial inclusion, population density, deposit, credit, time, employee	Panel fixed effects, GMM	Results show that the branch system has a positive and significant impact on financial inclusion. Furthermore, using the test for convergence it is found that regions tend to maintain their respective level of banking activity, with no support for closing the gap.
30	Naceur et al., 2017	2004-2013	Financial inclusion & Islamic banking	Descriptive statistics & ordinary least square (OLS)	This study found that after accounting for country income per capita, the lower financial inclusion for OIC countries remained significant, but it was no longer the case that the Islamic banking subgroup outperformed the other OIC countries.
31	Pearce, 2011	2006-2009	Financial inclusion & economic growth	Ordinary least square (OLS)	The result of the study shows that financial inclusion has a positive and significant impact on economic growth.
32	García-Herrero & Turégano, 2015	1998-2013	Financial inclusion, credit, economic growth & income	OLS Estimate	Results of the study show that financial size does not contribute to a more equal income distribution, measured by the GINI coefficient, while financial inclusion does so in a very significant way. This is so much the case that the role of financial inclusion can be compared with that of fiscal policy, based on the size of the estimated coefficients.
33	Kabakova & Plaksenkov, 2018	2011-2015	Financial inclusion, socio-demographic, political factors, technological & economic factors	Descriptive statistics,	Results of the study show that there are three configurations of factors affecting financial inclusion: high socio-demographic and political factors in the absence of economic development; high social, technological, and economic factors in the absence of political development; and political and economic factors in the absence of social and technological development.
34	Yangdol & Sarma, 2019	2014	Financial inclusion, gender, age, agriculture, saved & borrowed	Descriptive statistics, logit regression	Results of the study show that financial inclusion has a positive and significant link with saving and borrowing. While, gender, age, and agricultural productivity also influence financial inclusion.
35	Evans, 2018	200-2016	Financial inclusion, internet, mobile phones, macroeconomics factors	Panel FMOLS approach and Granger causality tests.	The empirical evidence shows that the internet and mobile phones have significant and positive links with financial inclusion. There is also uni-directional causality from the

					internet and mobile phones to financial inclusion. The study also shows that macroeconomic factors such as capital formation, primary enrollment, bank credit, broad money, population growth, remittances, agriculture, and interest rate, as well as institutional factors such as regulatory quality, are important underlying factors for financial inclusion in Africa.
36	Deku et al., 2015	2001-2009	No financing, no loan, no credit card & no. loan	Treatment-effects model & Propensity score matching	This study concludes that non-white households are less likely to have financing compared to white households. Findings also highlight that even if they obtain financing, the intensity of borrowing is lower than for white households.
37	SARMA & PAIS, 2011	2004-2008	Financial inclusion & development	OLS Estimates	This study finds that levels of human development and financial inclusion in a country move closely with each other. Among socio-economic and infrastructure-related factors, income, inequality, literacy, urbanization, and physical infrastructure for connectivity and information are important.
38	Ruiz-Porras, 2009	1990-2003	Financial structure, financial development & banking fragility	Fixed affect regression	The main results propose that banking stability is improved in market-based financial systems, whilst financial development reduces it. However, this fragility-enhancing effect can be discovered only when the financial structure is taken into account.
39	Adomako et al., 2015	2011-2014	Financial literacy, financial inclusion & firm growth	Descriptive statistics, correlation matrix & ordinary least square (OLS)	The findings of the study revealed that financial literacy positively enhances the access to finance-firm growth relationship.
40	Grohmann et al., 2018	2014	Financial literacy & financial inclusion	Descriptive statistics & ordinary least square (OLS)	Results of the study revealed that financial literacy holds a positive impact across income levels and several subgroups within countries.
41	Chinoda & Kwenda, 2019	2004-2016	Mobile phone, economic growth, bank competition, stability &	Descriptive statistics, unit root, variance decomposition, pooled OLS,	Results show that financial inclusion responds positively and significantly to shocks in bank competition, economic growth, mobile phones, and bank stability.

			financial inclusion	Fixed effect GMM	
42	Ouma et al., 2017	2009-2014	Mobile financial services, savings & financial inclusion	Descriptive statistics & logit regression	The findings of the study show that the availability and usage of mobile phones stop financial services and promote the likelihood of saving at the household level. Not only does access to mobile financial services boost the likelihood to save, but also has a significant impact on the amounts saved, perhaps due to the frequency and convenience with which such transactions can be undertaken using a mobile phone.
43	Chen & Divanbeigi, 2019	2014-2017	Financial regulations & financial inclusion	Descriptive statistics, correlation matrix & ordinary least square (OLS)	This study proposes a broad index of regulatory quality for financial inclusion. Results also show a negative and significant link between financial inclusion and financial regulations.
44	Léon & Zins, 2019	2002-2015 2011-2014	Financial regulations & financial inclusion	Descriptive statistics & probit regression	Results of the study show that there is a negative association between financial regulations and financial inclusions.
45	Lai et al., 2020	2010-2016	Financial inclusion, technology & consumption	Ordinary least square (OLS)	This study highlights that the use of technology increases the access and availability of financial services. This shows the positive association between technological consumption and financial inclusion.
46	Mehrotra & Yetman, 2014	1980-2012	Financial inclusion & monetary policy	Ordinary least square	Results show that optimal monetary policy implies a positive relationship between the share of financially included households and the ratio of output volatility to inflation volatility. We find strong empirical support for the model's predictions using a broad cross-country dataset on financial inclusion.
47	Anson et al., 2013	2011	Financial inclusion & post office	Descriptive statistics & Fixed effect regression	The results propose that post offices can boost account ownership by acting as cash merchants for transactional financial services, such as electronic government and remittance payments, and that partnerships between the post office and other financial institutions coincide with a higher bank account penetration.

7. Conclusions and Recommendations

Based on an extensive review, this study has some main findings and conclusions. The majority of individuals in the world are still out of the financial system that's why they are unable to contribute to the economic and social activities of the country which further leads to inequality of income distribution. Literature has highlighted that higher economic growth can be achieved through increased financial inclusion so that every individual can get equal access to financial services and contribute to economic activities. For achieving higher financial inclusion, the government can play a vital role through effective financial policies. Proper banking policies as well as efficient banking models can also help to enhance financial inclusion. Furthermore, technological advancement and financial stability also play a significant role in enhancing financial inclusion. Researchers, financial experts, and policymakers are continuously investigating the products/elements which are necessary to measure financial inclusion. Empirical studies conclude that there is still a need to explore strong theoretical support for financial inclusion. This study suggests how financial inclusion can play a significant role in promoting financial inclusion and how financial inclusion controls systemic risk in the formal financial sector. The literature reveals that an increased level of financial inclusion is very helpful for reducing poverty and enhancing the level of economic growth which further help for equal distribution of wealth in the economy. In the future researchers need to identify (i) risk linked with financial inclusion and its effect on the poor individuals of key financial services (ii) how political conditions of countries influence the level of financial inclusion success or failure, objectives, policies, strategies, and outcomes. (iii) role of financial inclusion on macro and micro financial stability (iv) identifies the optimum level of financial inclusion (v) types of regulations needed for promoting financial inclusion (vi) analysis of financial inclusion strategies among countries and reigns.

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