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8 August 2024

Online at <https://mpra.ub.uni-muenchen.de/121664/>
MPRA Paper No. 121664, posted 09 Aug 2024 10:46 UTC

Capital Market Governance in Bangladesh: A Cornerstone for Growth

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Abstract

This study examines the critical role of capital market governance in driving Bangladesh's economic growth. The paper analyzes the key components of effective governance, including transparency, fair market conduct, and investor protection. It assesses the current state of capital market governance in Bangladesh, highlighting both strengths, such as demutualization of stock exchanges and improved disclosure regulations, and weaknesses, including uneven corporate governance and limited investor education. The study concludes that by strengthening governance practices, enhancing investor protection, and fostering a conducive regulatory environment, Bangladesh can unlock the full potential of its capital market as a catalyst for economic development.

Keywords: Capital Market Governance, Bangladesh Capital Market, Investor Protection, Economic Growth, Regulatory Framework

JEL Codes: G14; O14; G28; O16; P27

Introduction

The capital market of Bangladesh has witnessed significant growth in recent years, emerging as a crucial engine for financing the nation's ambitious development goals (Hossin et al., 2024; Chowdhury et al., 2024). However, this growth story hinges on a critical element: effective capital market governance. Just as a sturdy foundation is vital for a towering structure, a robust governance framework is essential for fostering a thriving capital market.

The Pillars of Effective Governance

Effective capital market governance rests on several key pillars:

Transparency and Information Asymmetry: A well-regulated market ensures timely and accurate disclosure of financial information by listed companies. This mitigates information asymmetry, the situation where companies possess more information than investors. Investors rely on this information to make informed investment decisions. Clear and comprehensive financial statements, regular updates on company performance, and material disclosures about potential risks all contribute to transparency (Merter & Özer, 2024).

Fair and Efficient Market Conduct: A strong regulatory framework deters unethical practices like insider trading and market manipulation. Insider trading involves using non-public information for personal gain in the market. Market manipulation refers to artificially influencing stock prices through deceptive practices. The BSEC enforces regulations that deter such activities, fostering a

fair and efficient market environment where investment decisions are based on genuine market forces (Chowdhury, 2023).

Investor Protection: Investor confidence is paramount for a healthy capital market. Effective governance includes investor protection measures like clear guidelines for complaints redressal mechanisms and robust dispute resolution processes. This empowers investors to seek recourse in case of any wrongdoing, fostering a sense of security and encouraging participation (Abdullah et al., 2022).

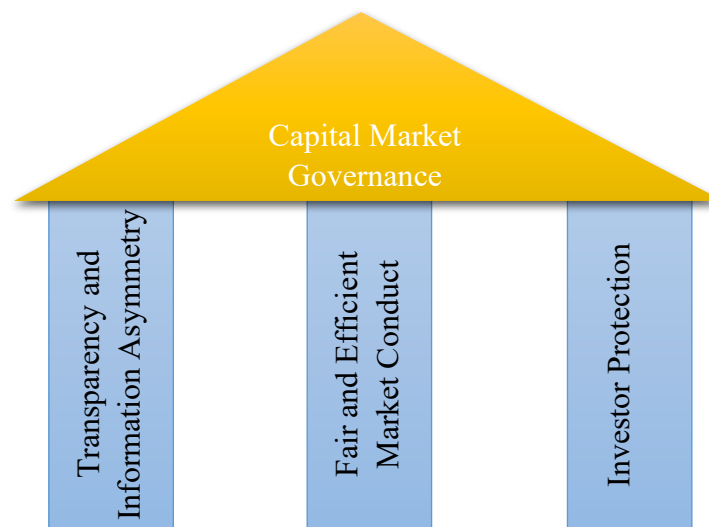


Figure 1. Pillars of Effective Capital Market Governance

The Benefits of Good Governance

A well-governed capital market offers a multitude of benefits for Bangladesh:

Attracting Investment: Strong regulatory oversight and investor protection measures make the market more attractive to both domestic and foreign investors. This increased participation leads to a deeper and more liquid market, facilitating the mobilization of capital for productive ventures. Companies can raise funds for expansion, innovation, and job creation, contributing to economic growth (Brada et al., 2021).

Long-Term Investment: Investors are more likely to make long-term investments in a market with strong governance. This is because they are confident in the stability and sustainability of the market, minimizing the risk of sudden downturns caused by manipulation or fraudulent practices. Long-term investment is crucial for financing infrastructure projects and fostering economic development.

Resource Allocation: An efficient capital market ensures that resources are allocated to the most promising ventures. Companies with strong fundamentals and sound business models are more

likely to attract investment, leading to efficient allocation of capital and fostering overall economic growth.

The Road Ahead

While Bangladesh has made significant strides in strengthening its capital market governance framework, there's still room for improvement. Further efforts are needed to enhance corporate governance practices of listed companies, promote investor education initiatives, and improve the efficiency of the legal system for timely resolution of disputes (Chowdhury et al., 2020).

By continuously strengthening its governance framework, Bangladesh can create a capital market that fosters trust, transparency, and investor confidence. This, in turn, will unlock the full potential of the market as a powerful engine for sustainable economic growth and national development.

Importance of Capital Market Governance

A robust capital market governance framework acts as the bedrock upon which a thriving capital market is built. Effective governance fosters trust and transparency, attracting domestic and foreign investors who are the lifeblood of the market. Let's delve deeper into the crucial role governance plays:

Mitigating Information Asymmetry: Imagine a scenario where listed companies hold onto vital financial information, leaving investors in the dark. This information asymmetry creates a significant disadvantage for investors who cannot make informed investment decisions. Capital market governance addresses this by mandating timely and accurate disclosure of financial information. This includes comprehensive financial statements, regular updates on company performance, and material disclosures about potential risks. With this transparency, investors can assess the financial health of companies and make informed investment choices, minimizing the risk of bad investments (Chowdhury & Begam, 2014).

Deterring Unethical Practices: A well-governed market discourages unethical practices that can erode investor confidence and disrupt market stability. Insider trading, the act of using non-public information for personal gain in the market, is a prime example. Imagine a company insider learning about an upcoming merger before it becomes public and using that knowledge to buy stocks at a lower price. Capital market governance establishes clear regulations and enforces them through the BSEC, effectively deterring such insider trading activities. Similarly, strong governance discourages market manipulation, where individuals or entities artificially inflate or deflate stock prices using deceptive tactics. By enforcing fair market conduct regulations, the BSEC ensures a level playing field for all investors, fostering trust and confidence in the market's integrity (Zhang et al., 2018).

Protecting Investors: Investors are the cornerstone of any capital market. Effective governance prioritizes their protection by establishing clear investor protection measures. This includes:

Clear guidelines for complaints redressal mechanisms: Investors should have a readily accessible process to file complaints in case of any wrongdoing by listed companies or intermediaries. The BSEC plays a crucial role in ensuring these complaints are addressed fairly and promptly.

Robust dispute resolution processes: Inevitably, disputes may arise between investors and other market participants. A well-governed market ensures efficient and impartial mechanisms for resolving such disputes, fostering a sense of security for investors and encouraging wider participation.

Beyond the Basics: The Ripple Effect of Good Governance

The benefits of effective capital market governance extend far beyond simply attracting investors. It creates a ripple effect that stimulates economic growth and development:

Deeper and More Liquid Market: As investor confidence increases due to strong governance, participation in the market broadens. This leads to a deeper market with a larger pool of capital available for investment. Furthermore, with increased participation, the market becomes more liquid, meaning securities can be easily bought and sold without significant price fluctuations. A deeper and more liquid market facilitates the efficient mobilization of capital, fueling economic activity (Chowdhury & Chowdhury, 2022).

Long-Term Investment Horizon: Investors are more likely to make long-term investments in a market where they are confident in its stability and transparency. Strong governance fosters this confidence by minimizing the risk of sudden market disruptions caused by manipulation or fraudulent practices. Long-term investment is crucial for financing infrastructure projects, fostering innovation, and driving sustainable economic growth (Epstein & Rhodes, 2018).

Efficient Allocation of Resources: A well-governed capital market ensures that resources are channeled towards the most promising ventures. Companies with strong fundamentals and sound business models are more likely to attract investment through the capital market. This efficient allocation of resources leads to economic growth by directing resources towards productive ventures that generate jobs and contribute to national development.

The Bangladesh Context

The Bangladeshi capital market has made significant strides in recent years towards strengthening its governance framework. Here's a closer look at the key institutions and ongoing efforts:

The Bangladesh Securities and Exchange Commission (BSEC): The BSEC serves as the primary regulatory body, wielding significant power in shaping the market landscape. They have implemented several regulations promoting transparency, such as the mandatory International Financial Reporting Standards (IFRS) for listed companies. IFRS ensures a standardized format for financial statements, allowing investors to easily compare the financial health of different companies. Additionally, the BSEC has issued guidelines for initial public offerings (IPOs) to ensure fairness and transparency during the process of companies raising capital from the public. For instance, the BSEC recently mandated book building for IPOs, a process that allows investors

to indicate their willingness to pay a certain price for shares. This method helps determine a fair market price for the IPO, protecting investors from potential manipulation.

Demutualization of Stock Exchanges: Previously, stock exchanges in Bangladesh were owned by their member brokers, creating a potential conflict of interest. The demutualization process has transformed them into independent entities, reducing the influence of brokers and paving the way for technological advancements. For example, both the Dhaka and Chittagong Stock Exchanges have implemented a modern trading platform that facilitates faster and more efficient execution of trades. This not only benefits investors but also enhances the overall market's competitiveness (Chowdhury, 2017).

Challenges and Areas for Improvement

While progress has been made, challenges remain:

Strengthening Corporate Governance: Corporate governance practices of some listed companies need improvement. Ensuring independent boards of directors, robust internal controls, and timely disclosure of material information are crucial for building investor confidence. For instance, a recent case where a listed company failed to disclose crucial financial information eroded investor trust and led to a significant drop in its stock price. This highlights the need for stricter enforcement of corporate governance regulations by the BSEC.

Investor Education: Many potential investors in Bangladesh lack the financial literacy and knowledge to make informed investment decisions. The BSEC and other stakeholders can play a more active role in promoting investor education initiatives. These initiatives could include workshops, online resources, and collaborations with universities to equip potential investors with the necessary knowledge and skills.

Legal System Efficiency: Timely resolution of disputes related to the capital market is essential for investor protection. However, the Bangladeshi legal system can be slow and cumbersome. Streamlining legal procedures and establishing specialized courts for financial disputes could significantly improve the efficiency of the system and boost investor confidence.

Elements of Bangladesh Capital Market Framework

This framework provides a comprehensive lens for analyzing the effectiveness of capital market governance in Bangladesh. It considers five key elements that work together to build a robust and well-functioning market:

Regulatory Framework

This element focuses on the legal and regulatory environment established by the BSEC, which serves as the cornerstone of good governance. Key aspects include:

Listing Requirements: These set the standards companies must meet to be listed on the stock exchange. This includes minimum financial thresholds, ownership structure requirements, and disclosure obligations.

Disclosure Regulations: These regulations dictate the type and frequency of financial information listed companies must disclose to the public. This ensures transparency and empowers investors to make informed decisions. Examples include quarterly and annual financial statements, material event disclosures, and insider trading disclosures.

Investor Protection Measures: These measures aim to safeguard investors from fraud and manipulation. They may include:

- a) Minimum capital requirements for stockbrokers to ensure financial stability.
- b) Licensing and registration of market intermediaries to maintain professional standards.
- c) Clear guidelines for handling complaints and disputes related to the market.

Market Infrastructure

This element examines the operational structure of the capital market, encompassing the institutions that facilitate trading and settlement of securities. Key players include:

Stock Exchanges: These platforms provide the venue where investors and companies can buy and sell securities. Efficient trading systems, fair price discovery mechanisms, and robust clearing and settlement processes are crucial aspects.

Depositories: These institutions hold and manage investors' securities electronically, ensuring safekeeping and facilitating efficient transfer of ownership.

Clearing Houses: These entities act as intermediaries between buyers and sellers, guaranteeing the settlement of trades and minimizing settlement risk.

Market Intermediaries

This element analyzes the roles and responsibilities of various market participants who contribute to market efficiency and investor protection. Key players include:

Listed Companies: These are companies that have issued shares to the public and are subject to BSEC regulations and listing requirements. They have a responsibility to adhere to good corporate governance practices, maintain transparency, and fulfill their obligations to shareholders.

Stockbrokers: They act as intermediaries between investors and the stock exchange, executing buy and sell orders on behalf of their clients. Ethical conduct, compliance with regulations, and providing sound investment advice are crucial aspects.

Investment Advisors: These professionals provide personalized investment advice to clients, helping them make informed investment decisions based on their risk tolerance and financial goals.

Credit Rating Agencies: They assess the creditworthiness of companies and issue credit ratings that reflect the risk of default. This information helps investors make informed decisions about the risk associated with investing in a particular company (Chowdhury & Reza, 2015).

Enforcement Mechanisms

This element focuses on the BSEC's capacity to monitor market activity, investigate irregularities, and take appropriate enforcement actions. Effective enforcement mechanisms are essential for deterring misconduct and ensuring adherence to regulations. Key aspects include:

Market Surveillance: The BSEC employs various tools to monitor market activity for signs of manipulation or suspicious trading patterns.

Investigation and Enforcement: The BSEC has the authority to investigate potential violations of regulations and take disciplinary actions against companies and market intermediaries. This may include fines, suspension of trading licenses, or even criminal prosecution in severe cases.

Sanctions and Penalties: Clearly defined sanctions and penalties for violations act as a deterrent for misconduct.

Stakeholder Engagement

This element considers the level of participation and collaboration between the BSEC, listed companies, investor groups, academia, and other stakeholders. Effective governance requires open communication and collaboration:

BSEC and Listed Companies: The BSEC needs to maintain a constructive dialogue with listed companies to ensure adherence to regulations and promote best practices.

Investor Groups: Investor associations should be actively involved in advocating for investor rights and providing feedback on regulatory changes.

Academia and Research Institutions: Research can provide valuable insights into market dynamics and inform policy decisions.

Media: Media plays a crucial role in disseminating information about the capital market and promoting investor education (Chowdhury & Rozario, 2019).

The Interconnectedness of the Framework

These five elements are not isolated but rather interconnected. A strong regulatory framework empowers the BSEC to effectively monitor and enforce regulations. Efficient market infrastructure facilitates smooth trading and settlement, while responsible market intermediaries ensure adherence to regulations. Finally, robust stakeholder engagement provides valuable feedback and fosters a collaborative approach to improving governance. By analyzing all five elements together, this conceptual framework provides a holistic understanding of the capital market governance

landscape in Bangladesh, allowing for a comprehensive assessment of its strengths and weaknesses.

Benchmarking Bangladesh Against International Best Practices

The International Organization of Securities Commissions (IOSCO)

IOSCO plays a critical role in promoting sound and stable capital markets globally. Established in 1986, IOSCO brings together securities regulators from over 130 jurisdictions to foster cooperation and exchange best practices. One of its most significant contributions is the development of the Objectives and Principles of Securities Regulation (OPSR). The OPSR is a comprehensive framework that outlines the essential elements of effective capital market governance. It serves as a benchmark for securities regulators worldwide, guiding them in establishing and enforcing regulations that promote:

Investor Protection: The OPSR emphasizes the paramount importance of safeguarding investors' interests. This includes ensuring clear and timely disclosure of material information by listed companies, prohibiting manipulative market practices, and providing mechanisms for investors to address grievances and seek redressal (Chowdhury, 2023).

Fair, Efficient, and Transparent Markets: The OPSR promotes the creation of markets where prices reflect genuine supply and demand, and all participants have access to relevant information. This includes preventing insider trading and market manipulation, establishing fair competition among market intermediaries, and promoting efficient trading mechanisms.

Reduction of Systemic Risk: The OPSR recognizes the interconnectedness of financial markets and emphasizes the need for measures that mitigate systemic risk. This includes promoting sound risk management practices by market participants, fostering robust clearing and settlement systems, and ensuring effective oversight of financial institutions (Chowdhury et al., 2019).

The Ten Key Principles of the OPSR

The OPSR is organized around ten key principles that provide a roadmap for achieving the core objectives outlined above. These principles address various aspects of capital market governance, including:

Responsibilities of the Regulator: This principle emphasizes the need for a clear legal mandate, adequate resources, and operational independence for the regulatory body.

Licensing and Supervision: This principle outlines the importance of licensing market intermediaries and establishing a framework for ongoing supervision to ensure compliance with regulations.

Enforcement: This principle highlights the need for effective enforcement mechanisms to deter misconduct and promote market integrity.

Disclosure and Transparency: This principle emphasizes the importance of timely and accurate disclosure of material information by listed companies to promote informed investment decisions.

Fair Dealing: This principle prohibits manipulative market practices such as insider trading and market manipulation to ensure fair competition and protect investors (Hasan et al., 2013).

Market Abuse: This principle outlines the need for regulations and enforcement mechanisms to prevent market abuse activities that distort market prices.

Settlement Systems: This principle emphasizes the importance of efficient and reliable settlement systems to minimize risk and ensure timely completion of transactions.

Cross-Border Cooperation: This principle recognizes the increasing globalization of financial markets and highlights the need for cooperation between regulatory bodies in different jurisdictions.

Investor Education: This principle emphasizes the importance of investor education initiatives to empower investors with the knowledge and skills necessary for informed investment decisions.

Technology and Innovation: This principle acknowledges the rapid advancements in technology and the need for regulations to adapt and address potential risks associated with technological innovation in the financial sector.

The Importance of the OPSR for Bangladesh

The OPSR provides a valuable framework for Bangladesh as it strives to strengthen its capital market governance. By benchmarking its regulatory framework against the OPSR principles, Bangladesh can identify areas for improvement and implement best practices established by IOSCO. This can lead to a more robust, efficient, and investor-friendly market that fuels economic growth and development (Chowdhury et al., 2018).

For instance, the OPSR's emphasis on investor education aligns with the identified weakness in Bangladesh's current framework. By developing and implementing comprehensive investor education initiatives, Bangladesh can empower potential investors and foster greater participation in the market.

Bangladesh Capital Market Scenario

Strengths of Bangladesh's Capital Market Governance

Demutualization of Stock Exchanges: The shift from member-owned to independent stock exchanges has reduced conflicts of interest and paved the way for technological advancements. This is evident in the implementation of a modern trading platform at both the exchanges, streamlining order execution and enhancing market efficiency.

Mandatory IFRS for Listed Companies: The adoption of International Financial Reporting Standards ensures a standardized format for financial statements, allowing investors to easily compare the financial health of different companies. This transparency fosters trust and facilitates informed investment decisions.

Book Building for IPOs: The recent introduction of book building in IPOs signifies a move towards a more market-driven approach for determining initial share prices. This reduces the risk of manipulation and helps ensure a fair price for both investors and companies raising capital.

Weaknesses of Bangladesh's Capital Market Governance

Uneven Corporate Governance Practices: While some companies have adopted robust corporate governance practices, others still lack strong independent boards and transparent disclosure mechanisms. A recent instance where a listed company withheld crucial financial information eroded investor confidence and led to a significant drop in its stock price. This highlights the need for stricter enforcement of corporate governance regulations by the BSEC.

Limited Investor Education: Many potential investors lack the financial literacy and knowledge to make informed investment decisions. This can lead to participation in the market based on speculation or uninformed choices, increasing risk and potentially hindering long-term investment.

Timely Dispute Resolution: The Bangladeshi legal system can be slow and cumbersome, discouraging investors from pursuing disputes related to the capital market. Streamlining legal procedures or establishing specialized courts for financial disputes could significantly improve the efficiency of the system and boost investor confidence.

Positive Impact of Good Governance

Increased Investor Participation: As governance practices strengthen, investor confidence rises. This leads to a larger pool of investors entering the market, boosting trading activity and overall market liquidity. For instance, the BSEC's efforts to improve disclosure regulations might attract new investors who are more confident in the transparency and accessibility of financial information.

Deeper and More Liquid Market: With increased investor participation, the market becomes deeper, offering a wider range of investment options. Furthermore, the market becomes more liquid, meaning securities can be easily bought and sold without significant price fluctuations. This liquidity attracts even more investors, creating a positive feedback loop that fuels market growth.

Long-Term Investments: Strong governance fosters investor confidence in the stability and sustainability of the market. This encourages long-term investments, which are crucial for financing infrastructure projects and fostering innovation. For example, if investors are confident that the BSEC effectively deters market manipulation, they are more likely to invest in Bangladeshi companies for the long term, contributing to the nation's economic development.

Negative Impact of Weak Governance

Market Volatility: Inconsistent enforcement of regulations or instances of manipulation can erode investor confidence and lead to market volatility. Investors become hesitant to invest due to uncertainty, leading to sudden drops in stock prices and reduced trading activity. A recent case of insider trading might discourage investors from participating in the market, hindering its overall growth potential (Zabel, 2020).

Limited Access to Capital for Companies: Weak governance can make it difficult for companies to raise capital through the market. Investors may be hesitant to invest in companies with poor disclosure practices or a history of non-compliance with regulations. This can hinder economic growth by limiting the ability of companies to access funding for expansion and job creation.

Capital Market Transformation in Bangladesh

Building on a strong foundation, the BSEC has taken significant strides in strengthening capital market governance. Here's a look at the progress made:

Enhanced Corporate Governance

Strict Enforcement: BSEC's robust enforcement mechanisms ensure compliance with corporate governance regulations. Penalties for non-compliance, including fines, trading suspensions, and even delisting, have acted as a strong deterrent.

Independent Boards: Listed companies now have well-established independent boards with robust oversight capabilities, fostering transparency and accountability.

Improved Disclosures: Comprehensive and timely disclosure of material information by listed companies is the norm. Forward-looking statements, risk assessments, and related-party transactions are all transparently communicated.

Investor Education at the Forefront

National Programs: Collaborative efforts between BSEC and stakeholders have resulted in comprehensive investor education programs. These programs cater to various investor segments, equipping them with financial literacy, investment knowledge, and risk awareness.

Digital Outreach: Leveraging online platforms and social media, BSEC effectively disseminates educational materials and conducts webinars. Partnerships with universities and financial institutions further amplify outreach.

Investor-Friendly Information: Financial information is presented in a clear, concise manner, using plain language, infographics, and interactive tools, making it easily understandable for everyone.

Efficient Dispute Resolution

Streamlined Legal System: The government's focus on expediting the legal system, particularly for capital market cases, has led to faster resolution of disputes. Specialized courts or simplified procedures have contributed to this efficiency.

Alternative Dispute Resolution (ADR) Mechanisms: ADR options like mediation and arbitration are actively promoted and utilized. This provides investors with faster and more cost-effective options for resolving disputes.

A Strengthened Regulatory Framework

Continuous Review and Update: BSEC's regulations are constantly reviewed and updated to reflect market developments and international best practices. New technologies like blockchain are proactively addressed, and emerging risks are effectively mitigated.

Market Manipulation Curbed: Stricter regulations and robust surveillance mechanisms effectively deter market manipulation practices. Increased penalties for insider trading and price rigging further strengthen market integrity.

Cybersecurity Fortified: Robust cybersecurity measures safeguard market infrastructure and investor data from cyber threats, ensuring a secure and reliable market environment.

Commitment to Continuous Improvement and Collaboration

IOSCO Benchmarking: Regular assessments against the International Organization of Securities Commissions (IOSCO) Objectives and Principles of Securities Regulation (OPSR) ensure ongoing improvement and alignment with global standards.

Stakeholder Engagement: BSEC fosters open communication and collaboration with listed companies, investor groups, academia, and the media through regular interactions, workshops, and consultations. This collaborative approach ensures a dynamic and inclusive capital market ecosystem.

Conclusion

Capital market governance plays a pivotal role in unlocking the potential of Bangladesh's capital market. A well-defined framework fosters trust, transparency, and investor confidence, leading to increased investment, economic growth, and job creation. This conceptual paper lays the groundwork for future research that will provide valuable insights for policymakers, regulators, and market participants to create a robust and sustainable capital market for Bangladesh.

References

References

1. Ahmed, A. A., Etemadmoghadam, D., Temple, J., Lynch, A. G., Riad, M., Sharma, R., ... & Brenton, J. D. (2010). Driver mutations in TP53 are ubiquitous in high grade serous carcinoma of the ovary. *The Journal of pathology*, 221(1), 49-56.

2. Bowtell, D. D., Böhm, S., Ahmed, A. A., Aspuria, P. J., Bast Jr, R. C., Beral, V., ... & Balkwill, F. R. (2015). Rethinking ovarian cancer II: reducing mortality from high-grade serous ovarian cancer. *Nature reviews Cancer*, 15(11), 668-679.
3. Hossin, M. S., & Hamid, M. K. (2024). Capital market performance and Bangladesh's economy: An empirical study. *Global Business Review*, 25(2_suppl), S165-S183.
4. Merter, A. K., & Özer, G. (2024). Audit Committee and Timely Reporting: Evidence From Turkey. *SAGE Open*, 14(1), 21582440241239516.
5. Zabel, J. (2020). Rethinking Open-and Cross-Market Manipulation Enforcement. *Va. L. & Bus. Rev.*, 15, 417.
6. Brada, J. C., Drabek, Z., & Iwasaki, I. (2021). Does investor protection increase foreign direct investment? A meta-analysis. *Journal of Economic Surveys*, 35(1), 34-70.
7. Chowdhury, E.K. (2024). Cultural Norms and Their Effect on Entrepreneurial Endeavors: Perspectives from Bangladesh. *Journal of Developmental Entrepreneurship*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1142/S1084946724500079>
8. Abdullah, M.N., Chowdhury, E.K., & Tooheen, R.B. (2022). Determinants of capital structure in banking sector: a Bangladesh perspective. *SN Bus Econ.* 2, (190). <https://doi.org/10.1007/s43546-022-00370-8>
9. Christakis, P. G., Tsai, J. C., Kalenak, J. W., Zurakowski, D., Cantor, L. B., Kammer, J. A., & Ahmed, I. I. (2013). The Ahmed versus Baerveldt study: three-year treatment outcomes. *Ophthalmology*, 120(11), 2232-2240.
10. Chowdhury, E.K. (2024). Examining the benefits and drawbacks of social media usage on academic performance: a study among university students in Bangladesh. *Journal of Research in Innovative Teaching & Learning*, 1-17, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/JRIT-07-2023-0097>
11. Chowdhury, E.K., (2023). Is the Application of Blockchain Technology in Accounting Feasible? A Developing Nation Perspective. In Abedin, M.K., Hajek, P. (eds.) *Cyber Security and Business Intelligence Innovations and Machine Learning for Cyber Risk Management* (pp. 46-64). Routledge. <https://doi.org/10.4324/9781003285854>
12. Epstein, R., & Rhodes, M. (2018). From governance to government: Banking union, capital markets union and the new EU. *Competition & Change*, 22(2), 205-224.
13. Chowdhury, E.K., & Humaira, U. (2023). The Russia–Ukraine conflict and investor psychology in financial markets. *Economic Affairs*, 43(3), 388-405. <https://doi.org/10.1111/ecaf.12596>

14. Chowdhury, E.K., & Humaira, U. (2023). Transformation of investor attitude towards financial markets: A perspective on the Russia–Ukraine conflict. *International Social Science Journal*. 74(252), 561-583. <https://doi.org/10.1111/issj.12470>
15. Chowdhury, E.K., & Khan I.I. (2023). Reactions of Global Stock Markets to the Russia–Ukraine War: An Empirical Evidence, *Asia-Pacific Financial Markets*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1007/s10690-023-09429-4>
16. Chowdhury, E.K. (2024). Do weather patterns effect investment decisions in the stock market? A South Asian perspective. *Journal of Asset Management*, 25(2), 162-171. <https://doi.org/10.1057/s41260-023-00334-z>
17. Chowdhury, E.K. (2021). Financial accounting in the era of blockchain-a paradigm shift from double entry to triple entry system. Available at SSRN 3827591. <http://dx.doi.org/10.2139/ssrn.3827591>
18. Chowdhury, E.K., Stasi. A. & Pellegrino. A. (2023). Blockchain Technology in Financial Accounting: Emerging Regulatory Issues. *Review of Economics and Finance*. 21 (1), 862-868. <https://refpress.org/ref-vol21-a94/>
19. Chowdhury, E.K., & Abdullah, M. N. (2023). Gauging Demand for Cryptocurrency over the Economic Policy Uncertainty and Stock Market Volatility. *Computational Economics*, 1-19. <https://doi.org/10.1007/s10614-023-10423-1>
20. Chowdhury, E.K., Khan I.I, Dhar B.K. (2021). Catastrophic impact of Covid-19 on the global stock markets and economic activities. *Business & Society Review*, 127 (2), 437-460. <https://doi.org/10.1111/basr.12219>
21. Chowdhury, E.K., Khan I.I, Dhar B.K. (2023). Strategy for implementing blockchain technology in accounting: Perspectives of stakeholders in a developing nation. *Business Strategy & Development*, 6 (3), 477-490. <https://doi.org/10.1002/bsd2.256>
22. Chowdhury, E.K., & Islam, A. (2017). Role of Foreign Direct Investment in the Stock Market Development of Bangladesh- A Cointegration and VAR Approach. *The Bangladesh Accountant*, April-June, 2017, 63-74. The Institute of Chartered Accountants of Bangladesh. <https://tinyurl.com/y8hs2paf>
23. Chowdhury, E.K. (2021). Does Internal Control Influence Financial Performance of Commercial Banks? Evidence from Bangladesh. *South Asian Journal of Management*, 28(1), 59-77. <https://tinyurl.com/59nr5axm>
24. Chowdhury, E.K. (2012). Impact of inflation on bank lending rates in Bangladesh. *Journal of Politics and Governance*, 1(1), 5-14. <https://tinyurl.com/26y2pw6y>

25. Chowdhury, E.K. (2012). The Impact of Merger on Shareholders' Wealth. *International Journal of Applied Research in Business Administration and Economics*, 1(2), 27-32. <https://tinyurl.com/ycxt59vz>
26. Chowdhury, E.K. (2016). Investment Behavior: A Study on Working Women in Chittagong. *Premier Critical Perspective*, 2 (1). 95-109. <http://digitalarchives.puc.ac.bd:8080/xmlui/handle/123456789/67>
27. Chowdhury, E.K. (2017). Measuring the Effect of Macroeconomic Variables on the Stock Market Return: Evidence from Chittagong Stock Exchange. *AU-International e-Journal of Interdisciplinary Research*, 2(2), 1-10. <http://www.assumptionjournal.au.edu/index.php/eJIR/article/view/4227>
28. Chowdhury, E.K. (2021). Prospects and challenges of using artificial intelligence in the audit process. In Abedin, M.Z., Hassan, M.K., Hajek, P. (eds.) *The Essentials of Machine Learning in Finance and Accounting* (pp. 139-155). Routledge. <https://tinyurl.com/4stz7ycj>
29. Chowdhury, E.K. (2022). Disastrous consequence of coronavirus pandemic on the earning capacity of individuals: an emerging economy perspective. *SN Bus Econ*. 2(153). <https://doi.org/10.1007/s43546-022-00333-z>
30. Chowdhury, E.K., & Abedin, M. Z. (2020). COVID-19 effects on the US stock index returns: an event study approach. Available at SSRN 3611683. <http://dx.doi.org/10.2139/ssrn.3611683>
31. Chowdhury, E.K., & Begum. R. (2012). Reward Management as Motivational Tool in Various Industries in Bangladesh: An empirical study. *International Journal of Contemporary Business Studies*, 3(11), 22-34. <https://tinyurl.com/3vzu9cu8>
32. Chowdhury, E.K., & Chowdhury, G. M. (2014). Applicability of Prediction Techniques in the Stock Market-A Chittagong Stock Exchange Perspective. *International Journal of Advanced Information Science and Technology*, 32(32), 126-136, DOI:10.15693/ijaist/2014.v3i12.124-134
33. Chowdhury, E.K., & Chowdhury, R. (2017). Online Shopping in Bangladesh: A Study on the Motivational Factors for Ecommerce that Influence Shopper's Affirmative Tendency towards Online Shopping. *South Asian Journal of Marketing & Management Research*, 7(4). 20-35. DOI:10.5958/2249-877X.2017.00019.4
34. Chowdhury, E.K., & Chowdhury, R. (2022). Empirical research on the relationship between renewable energy consumption, foreign direct investment and economic growth in South Asia. *Journal of Energy Markets*, 15(2). 1-21, <https://DOI:10.21314/JEM.2022.012>

35. Chowdhury, E.K., & Chowdhury, R. (2023). Role of financial inclusion in human development: Evidence from Bangladesh, India and Pakistan. *Journal of the Knowledge Economy*, 1-26. <https://doi.org/10.1007/s13132-023-01366-x>
36. Chowdhury, E.K., & Nahar, S. (2017). Perceptions of Accountants toward Sustainability Development Practices in Bangladesh. *Journal of Management and Sustainability*, 7(3), 112-119. doi:10.5539/jms.v7n3p112
37. Chowdhury, E.K., & Reza, T. (2013). Diagnostic Study on Interactive Ads and Its Response towards the FM Radio. *International Journal of Research in Commerce, IT & Management*, 3(2), 36-41. <https://tinyurl.com/5n8huanv>
38. Chowdhury, E.K., Abdullah, M. N., & Tooheen, R. B. (2021). Role of information and communication technology in economic progress and increasing demand for renewable energy: evidence from China and India. *Asian Journal of Technology Innovation*, 30(3), 651-671. <https://doi.org/10.1080/19761597.2021.1961090>
39. Chowdhury, E.K., Dhar, B. K., & Stasi, A. (2022). Volatility of the US stock market and business strategy during COVID-19. *Business Strategy & Development*, 1–11. <https://doi.org/10.1002/bsd2.203>
40. Chowdhury, E.K., Dhar, B. K., Gazi, M., & Issa, A. (2022). Impact of Remittance on Economic Progress: Evidence from Low-Income Asian Frontier Countries. *Journal of the Knowledge Economy*, 1-26. <https://doi.org/10.1007/s13132-022-00898-y>
41. Chowdhury, E.K., Dhar, B. K., Thanakijssombat, T., & Stasi, A. (2022). Strategies to determine the determinants of financial performance of conventional and Islamic commercial banks: Evidence from Bangladesh. *Business Strategy & Development*, 1–19. <https://doi.org/10.1002/bsd2.207>
42. Chowdhury, E.K. (2018). An Assessment of Return Spillover Among Selected Stock Markets in SAARC Countries. *South Asian Journal of Management*, 25 (1), 51-63. Association of Management Development Institutions in South Asia. <https://tinyurl.com/y2bd39tk>
43. Chowdhury, E.K. (2018). Does Foreign Direct Investment Stimulate Economic Progress of a Developing Country? Empirical Evidence from Bangladesh. *CIU Journal*, 1 (1), 71-86. Chittagong Independent University. <https://tinyurl.com/3scz3jzh>
44. Chowdhury, E.K. (2019). An Empirical Study of Volatility in Chittagong Stock Exchange. *CIU Journal*, 2 (1), 19-38. Chittagong Independent University. <https://tinyurl.com/3w6k89k8>
45. Chowdhury, E.K. (2019). Transformation of Business Model through Blockchain Technology. *The Cost and Management*, 47(5), 4-9. The Institute of Cost and Management Accountants of Bangladesh. <https://tinyurl.com/bdz4ns7t>

46. Chowdhury, E.K. (2020). Catastrophic Impact of Covid-19 on Tourism Sector in Bangladesh: An Event Study Approach. *The Cost and Management*, 48(4), 43-52. The Institute of Cost and Management Accountants of Bangladesh. <https://tinyurl.com/ccu6mkbx>
47. Chowdhury, E.K. (2020). Is Capital Market Integration among the SAARC Countries Feasible? An Empirical Study. *Eurasian Journal of Business and Economics*, 13(25), 21-36. <https://doi.org/10.17015/ejbe.2020.025.02>
48. Chowdhury, E.K. (2020). Non-Performing Loans in Bangladesh: Bank Specific and Macroeconomic Effects. *Journal of Business Administration*, 41(2), 108-125. University of Dhaka. <https://tinyurl.com/54f5pexw>
49. Chowdhury, E.K. (2020). Volatility in Cryptocurrency Market–Before and During Covid-19 Pandemic. *CIU Journal*, 3(1), 69-86. Chittagong Independent University. <https://tinyurl.com/mr3djzcn>
50. Chowdhury, E.K. (2022). Strategic approach to analyze the effect of Covid-19 on the stock market volatility and uncertainty: a first and second wave perspective, *Journal of Capital Markets Studies*, 6(3), 225-241. <https://doi.org/10.1108/JCMS-05-2022-0015>
51. Chowdhury, E.K. (2023). Integration of Artificial Intelligence Technology in Management Accounting Information System: An Empirical Study. In: Abedin, M.Z., Hajek, P. (eds) *Novel Financial Applications of Machine Learning and Deep Learning*. International Series in Operations Research & Management Science, vol 336. Springer, Cham. https://doi.org/10.1007/978-3-031-18552-6_3
52. Chowdhury, E.K., & Rozario, S. O. (2018). Impact of Attitude and Awareness of Investors on their Investment Behavior- A Study on Bangladesh Stock Market. *The Bangladesh Accountant*, July- September, 81-89. The Institute of Chartered Accountants of Bangladesh. <https://tinyurl.com/4av6swas>
53. Chowdhury, E. K. (2017). Functioning of Fama-French three-factor model in emerging stock markets: an empirical study on Chittagong stock exchange, Bangladesh. *Journal of Financial Risk Management*, 6(04), 352.