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# **Dual Disruptions: An Evaluation of the Economic Fallout from the COVID-19 Pandemic and Russia-Ukraine Conflict on Bangladesh's Economy and Stock Market**

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## **Abstract**

This paper analyzes the impact of the COVID-19 pandemic and the Russia-Ukraine war on the economy and stock market in Bangladesh. It highlights specific sector impacts, such as tourism, manufacturing, Small and medium-sized enterprises (SMEs), healthcare, and agriculture, due to the COVID-19 pandemic. It also examines the effects of the Russia-Ukraine war on the energy sector, commodity prices, FDI, and the financial sector. Additionally, the paper discusses macroeconomic effects, stock market performance, investor behavior, and provides recommendations for investors, policymakers, and regulators. This paper emphasizes the significant impacts of both crises and the importance of appropriate measures for resilience and stability in the economy and stock market.

Keywords: Covid-19; war; economy; stock market; Bangladesh

## **Introduction**

The COVID-19 pandemic, caused by the novel coronavirus, had a significant global impact since its emergence in late 2019 (Chowdhury et al., 2022). It led to widespread health and economic crises, disrupting economies and financial markets worldwide. At the same time, the ongoing conflict between Russia and Ukraine has added another layer of geopolitical uncertainty and volatility in international markets. Global crises have profound effects on economies and stock markets, causing significant volatility, investor panic, and economic downturns. Such crises result in supply chain disruptions, reduced consumer spending, business closures, and unemployment. Stock markets experience sharp declines, leading to losses for investors and diminished confidence in the financial system (Yousaf & Goodell, 2023).

## ***Covid-19 impact***

The COVID-19 pandemic has had distinct impacts on various sectors of the economy and the stock market in Bangladesh.

In the case of the COVID-19 pandemic, the tourism and hospitality industry were hit hard as travel restrictions, lockdowns, and fear of the virus significantly reduced both domestic and international tourism (Jafari et al., 2023). This led to severe losses for hotels, tour operators, and related businesses.

The manufacturing sector and exports were also significantly affected by disruptions in global supply chains. Factory closures and transportation issues caused delays and hindered production, reducing the country's manufacturing output and hampering its ability to export goods (Kazancoglu et al., 2023).

Small and Medium Enterprises (SMEs) faced closures or reduced operations due to reduced consumer spending, supply chain disruptions, and liquidity constraints. Many SMEs struggled to stay afloat, leading to job losses and economic hardships for their owners and employees (Zakaria et al., 2023)

The healthcare sector faced increased pressure as it had to handle the surge in COVID-19 cases. This resulted in increased demand for medical supplies and services, straining the resources of healthcare providers and highlighting the need for further investment and support in the sector (Chowdhury & Chowdhury, 2023).

The agricultural sector also felt the impact of the pandemic. Labor shortages, disrupted supply chains, and reduced demand for certain products due to lockdown measures led to difficulties for farmers, affecting their livelihoods and the country's food supply.

### ***Russia-Ukraine war impact***

With regard to the Russia-Ukraine war, Bangladesh's energy sector is vulnerable to any disruptions in global energy supplies as the country relies on imports to meet its energy needs. Any increase in energy prices can have significant implications for energy security and may lead to higher costs for consumers and businesses. The conflict also introduces uncertainty in global commodity markets. If the situation escalates, it can negatively affect commodity-dependent sectors such as textiles and garments, leading to reduced demand and potential job losses (Chowdhury, 2020).

Heightened geopolitical tensions from the Russia-Ukraine war can dampen investor confidence and result in reduced foreign direct investment (FDI) inflows to Bangladesh (Chowdhury & Chowdhury, 2023). This can hamper the country's economic growth and development. Moreover, the financial sector may face increased risks due to potential fluctuations in exchange rates and global financial market volatility triggered by the conflict. Banks and financial institutions need to be prepared to manage these risks and ensure the stability of the financial system.

### ***Analysis of the macroeconomic effects of the pandemic in Bangladesh***

#### ***GDP contraction and economic growth slowdown***

The COVID-19 pandemic has had a significant impact on Bangladesh's economy, leading to a contraction in GDP growth and a slowdown in economic activities (Zahoor et al., 2024). The lockdown measures imposed to curb the spread of the virus resulted in the closure of businesses, halting production, and reducing consumption. The World Bank estimated that Bangladesh's GDP would contract by 1.6% in FY2020-21 (Chowdhury & Begam, 2016).

#### ***Employment and labor market impacts***

The pandemic has severely affected the labor market in Bangladesh. Many industries, such as garments, manufacturing, and services, witnessed layoffs and reduced working hours. The closure

of businesses and factories led to a loss of jobs for millions of workers, particularly in the informal sector. Additionally, the remittance inflows, a significant source of income, also suffered due to the global economic downturn, impacting income levels and employment opportunities (Ansar, 2023).

#### *Disruptions in supply chains and international trade*

The COVID-19 pandemic resulted in disruptions to global supply chains, affecting Bangladesh's export-oriented industries. The garment sector, which contributes significantly to the country's export earnings, faced cancellations of orders, delays in shipments, and a decline in demand from major export destinations. The closure of international borders and reduced global trade further hampered Bangladesh's export-oriented industries (Moktadir, et al., 2023).

#### *Government policies and fiscal stimulus measures*

The government of Bangladesh took various policy measures and introduced fiscal stimulus packages to mitigate the economic impact of the pandemic. These measures include tax relief, loan repayment deferments, and financial support for affected industries and vulnerable groups. The Central Bank also implemented monetary policy measures to ensure liquidity in the banking system and support businesses during the crisis (Deb et al., 2023).

#### ***Assessment of the specific impact on the stock market in Bangladesh***

##### *Stock market performance during various stages of the pandemic*

The stock market in Bangladesh, like many others globally, initially experienced a significant decline in stock prices during the early stages of the pandemic (Chowdhury, 2023). However, it showed signs of recovery as the government gradually eased lockdown measures and economic activities resumed. The general index of both Dhaka and Chittagong Stock Exchanges, displayed volatility during this period.

##### *Changes in trading volumes and trends in stock prices*

The COVID-19 pandemic resulted in fluctuations in trading volumes and stock prices in the Bangladesh stock market. During the peak of the crisis, trading volumes declined due to increased uncertainty and risk aversion among investors. However, as the market showed signs of recovery, trading volumes picked up, indicating renewed investor confidence. Stock prices demonstrated both upward and downward trends during different stages of the pandemic, reflecting market sentiments and investor expectations.

##### *Investor sentiment and market volatility*

The pandemic induced a significant level of uncertainty and increased market volatility. Investors became cautious and adopted a risk-averse approach, leading to fluctuating market sentiments. The fear of economic uncertainties, job losses, and business closures influenced investor behavior and their appetite for risk. This resulted in increased market volatility and wider fluctuations in stock prices.

##### *Regulatory response and measures to ensure market stability*

The regulatory authorities in Bangladesh implemented various measures to ensure market stability during the pandemic (Ghosh & Saima, 2021). The Bangladesh Securities and Exchange Commission (BSEC) introduced temporary circuit breakers to limit excessive market volatility. Additionally, they allowed online trading facilities to ensure market continuity and convenience for investors. Moreover, the authorities conducted awareness campaigns and provided guidance to market participants to prevent panic-selling and maintain market stability.

### ***Overview of the Russia-Ukraine conflict and its geopolitical implications***

#### *Historical background and current status of the conflict*

The Russia-Ukraine conflict, which began in 2014, is rooted in Russia's annexation of Crimea and its support for separatist movements in eastern Ukraine. The conflict escalated into an armed conflict between Russian-backed separatists and Ukrainian government forces. Despite several ceasefire agreements, sporadic fighting continues in the Donbass region. The conflict has caused significant political, economic, and humanitarian consequences for Ukraine and has strained relations between Russia and the West (Chowdhury & Humaira, 2023).

#### *International response and sanctions*

The international community, including the United States and the European Union, responded to Russia's actions in Ukraine by imposing economic sanctions. These sanctions targeted individuals, entities, and sectors of the Russian economy. The sanctions aim to pressure Russia to cease its aggressive actions in Ukraine and support a peaceful resolution to the conflict. The sanctions have had ripple effects on global economies and have implications for countries with economic ties to Russia.

### ***Examination of the direct and indirect impacts on the Bangladesh economy***

#### *Trade relations and implications for exports and imports*

Bangladesh's trade relations with Russia and Ukraine are relatively modest. However, the conflict between the two countries can have indirect effects on Bangladesh's economy. Trade disruptions in the region may lead to reduced demand for Bangladeshi exports, particularly textiles and garments. Additionally, increased geopolitical tensions can adversely affect global trade sentiment and lead to reduced demand for imports, impacting Bangladesh's import-dependent industries.

#### *Disruption to global supply chains and commodity prices*

The Russia-Ukraine conflict has the potential to disrupt global supply chains and impact commodity prices. Disruptions in energy supplies, as Ukraine is a major transit route for Russian gas to Europe, can impact energy prices and availability globally. Higher energy prices can have inflationary pressures, impacting production costs in Bangladesh. Additionally, disruptions in global supply chains may lead to increased prices of inputs and raw materials, affecting various industries in Bangladesh.

#### *Foreign direct investment and capital outflow*

Geopolitical tensions and the uncertainty surrounding the Russia-Ukraine conflict can impact foreign direct investment (FDI) flows globally. Investors may adopt a cautious approach, delaying

or reducing investments in emerging markets like Bangladesh. Additionally, capital may flow out of riskier emerging market economies, including Bangladesh, as investors seek safe havens. This can lead to a decline in capital inflows and potentially disrupt investment and growth prospects for the country.

#### *Currency exchange rates and monetary policy response*

Geopolitical tensions and global uncertainties can impact currency exchange rates, including Bangladesh's currency, the Taka. The potential depreciation of the currency can affect import costs and inflation levels. To mitigate the impacts, the central bank may adjust monetary policy, including interest rates, to stabilize the currency and manage inflationary pressures. Higher interest rates may affect borrowing costs and investment decisions in Bangladesh.

#### ***Analysis of the corresponding impact on the stock market in Bangladesh***

##### *Investor sentiment and market reactions to geopolitical events*

Geopolitical events, such as the Russia-Ukraine conflict, can significantly impact investor sentiment and market reactions. Increased geopolitical tensions can lead to risk aversion among investors, leading to a decline in stock market indices and reduced trading volumes. Uncertainty surrounding the conflict can create market volatility, prompting investors to adopt a cautious approach and potentially divest from riskier assets, including stocks (MacDonald, et al., 2023).

##### *Influence on specific sectors and industries*

Certain sectors and industries in Bangladesh may be directly or indirectly affected by the Russia-Ukraine conflict. For instance, the textile and garments industry, a major contributor to Bangladesh's exports, may witness reduced demand or changes in sourcing patterns due to disruptions in global supply chains. Additionally, industries reliant on energy imports, such as manufacturing, may face higher input costs if energy prices increase due to the conflict.

##### *Effects on foreign investment and portfolio flows*

The geopolitical tensions resulting from the Russia-Ukraine conflict can impact foreign investment and portfolio flows in Bangladesh's stock market. Lower investor confidence and risk aversion can result in reduced foreign investments, both in terms of FDI and portfolio investments. This can impact the liquidity and performance of the stock market, particularly if there is a significant withdrawal of foreign capital.

#### **Comparative Analysis of COVID-19 Pandemic and Russia-Ukraine War Impacts**

The COVID-19 pandemic and the Russia-Ukraine war have had profound effects on global economies and stock markets. This comparative analysis focuses on studying the impacts of these two events on the economy and stock market in Bangladesh.

##### ***COVID-19 Pandemic***

###### *Economic Impact*

The COVID-19 pandemic has had a detrimental impact on the economy of Bangladesh, causing a widespread slowdown across various sectors (Shammi et al., 2021). Among the worst affected is

the tourism sector, where travel restrictions and lockdown measures resulted in a steep decline in both international and domestic tourism. As a consequence, hotels were forced to close down, leading to substantial job losses and a decrease in revenue for businesses linked to the tourism industry. Additionally, the ready-made garment industry, a significant contributor to the country's economy, experienced significant disruptions. Global supply chains were interrupted, which led to the cancellation of orders, factory closures, and widespread unemployment problems. Lastly, small and medium-sized enterprises (SMEs) were severely impacted by the pandemic, with many businesses being forced to shut down completely or operate at limited capacity. These challenges have resulted in significant economic setbacks and a substantial loss of jobs throughout the country.

### *Stock Market Impact*

The stock market in Bangladesh experienced volatility and decline due to the COVID-19 pandemic. The stock exchanges in Bangladesh plunged by around 25% during the initial months of the pandemic. Investors panicked and engaged in massive selling, leading to a decline in stock prices. Stocks of companies involved in tourism, hospitality, and retail sectors faced substantial declines as their operations were severely affected.

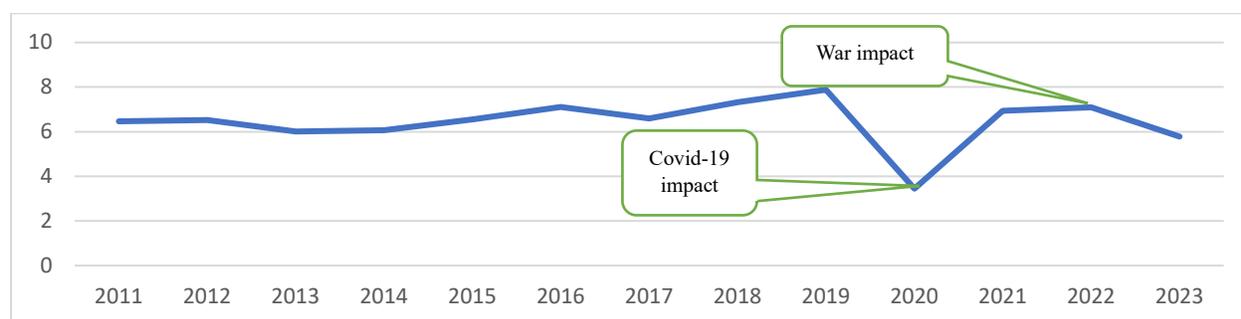


Figure 1. GDP growth rate of Bangladesh. Source: Word Bank<sup>1</sup>

### ***Russia-Ukraine War***

#### *Economic Impact*

The ongoing Russia-Ukraine war has had an impact on the economy of Bangladesh, albeit indirectly. As a trading partner, Bangladesh has been affected by the disruptions in global trade routes caused by the conflict. This has led to decreased export-import activity and economic slowdown in certain sectors. One notable consequence is the potential reduction in imports from Bangladesh by Russia, one of its major trading partners. The economic challenges faced by Russia due to the war can lead to a decrease in their imports, impacting sectors such as ready-made garments (RMG), frozen food, and pharmaceuticals in Bangladesh. Bangladesh heavily relies on exports to boost its economy and any disruption in trade relationships can have significant repercussions. The decreased demand from Russia and Ukraine due to the ongoing conflict affects the profitability and sustainability of these sectors in Bangladesh. Additionally, the indirect

<sup>1</sup> <https://data.worldbank.org/indicator/NY.GDP.MKTP.KD.ZG?locations=BD>

consequences of the conflict, such as uncertainties in global markets and investment climates, can further impact Bangladesh's economy. This can lead to a slowdown in economic growth and hinder the development plans of the country (Ahmed, et al., 2024).

### *Stock Market Impact*

Geopolitical tensions can have repercussions on stock markets globally, including Bangladesh. For example, if the conflict escalates and leads to broader geopolitical instability, global investors may become risk-averse and reduce their investments in emerging markets like Bangladesh, impacting the stock market. Stocks of companies reliant on exports to Russia/Ukraine or dependent on stable bilateral relations could face volatility and decline.

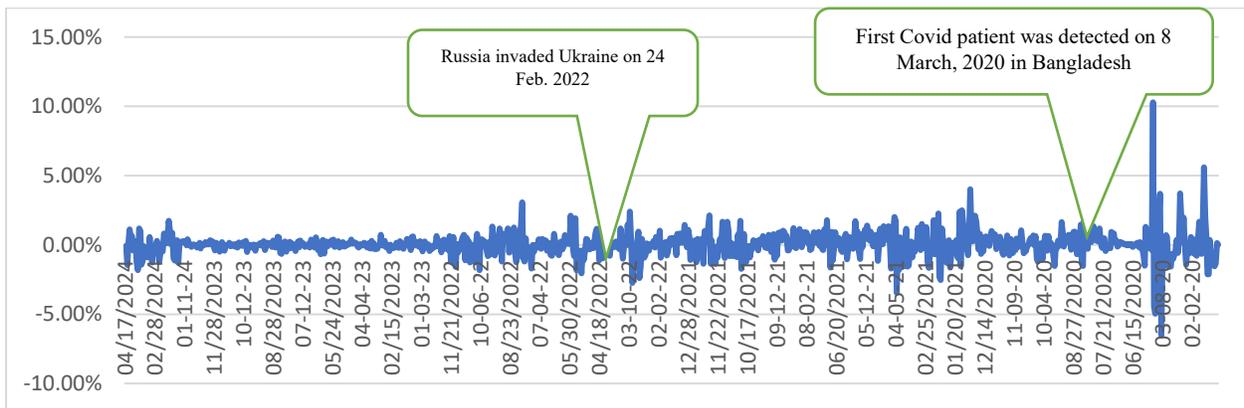


Figure 1. Percentage changes in general index (DSEX) of Dhaka Stock Exchange during the crises. Source: Investing.com<sup>2</sup>

### ***Evaluation of investor behavior and strategies during the crises***

#### *Investor sentiment and risk appetite during crises*

During both the COVID-19 pandemic and the Russia-Ukraine war, investor sentiment and risk appetite in Bangladesh were significantly affected. In the initial stages of the COVID-19 pandemic, Bangladeshi investors experienced widespread panic, leading to a sharp decline in the indices of both Dhaka and Chittagong Stock Exchanges. Fear and uncertainty had a significant impact on risk appetite, with investors preferring safe-haven assets such as gold and government bonds. However, as the government implemented stimulus measures and the situation stabilized, investor sentiment improved, leading to market recoveries (Chowdhury & Humaira, 2023).

During the Russia-Ukraine war, geopolitical uncertainties and the potential for escalation also affected investor sentiment in Bangladesh. Foreign investors, in particular, may have become more risk-averse and cautious when investing in the region due to concerns over political stability and security.

#### *Portfolio reallocation and sector preferences*

<sup>2</sup> <https://www.investing.com/indices/dhaka-stock-exchange-broad-historical-data>

Bangladeshi investors often reallocate their portfolios to manage risks and capitalize on opportunities during crises. During the COVID-19 pandemic, many Bangladeshi investors shifted their portfolios towards sectors that demonstrated resilience, such as pharmaceuticals and technology. These sectors were seen as beneficiaries of the changing market dynamics. At the same time, sectors like tourism and hospitality faced significant outflows, as travel restrictions and lockdowns severely impacted these industries.

In the case of the Russia-Ukraine war, risk-averse investors in Bangladesh may have opted for defensive sectors or assets, such as utilities or bonds, instead of sectors highly exposed to the conflict. Investors with high-risk appetite may have explored opportunities in sectors that could benefit from geopolitical realignments or reconstruction efforts, such as infrastructure and energy.

#### *Analysis of winning strategies and investment opportunities*

While crises pose challenges, they also present potential investment opportunities for savvy investors in Bangladesh. During the COVID-19 pandemic, Bangladeshi investors who identified companies with strong online presence and digital transformation strategies tended to outperform. This includes e-commerce platforms, digital payment services, and telecommunication providers. Additionally, investing in pharmaceutical companies involved in vaccine development and healthcare proved profitable.

In the context of the Russia-Ukraine war, Bangladeshi investors may find investment opportunities in sectors related to construction and infrastructure in their own country, such as transportation, energy, and housing. Furthermore, defense-related industries may attract investment as Bangladesh aims to enhance its security capabilities.

#### **Policy Implications**

Both the COVID-19 pandemic and the Russia-Ukraine war had significant economic and stock market impacts in Bangladesh, although the duration and extent varied. Certain sectors exhibited vulnerabilities, while others showed resilience during these crises. Governments responded with policy measures to mitigate the impacts, focusing on fiscal stimulus, monetary policy support, and trade restrictions.

During the COVID-19 pandemic, investors who capitalized on the e-commerce and technology sectors experienced success. Investors who identified opportunities in defense and infrastructure-related sectors during the Russia-Ukraine war benefited from potential growth prospects. For instance, investment in Bangladeshi infrastructure companies involved in transportation, energy, and housing construction could yield positive returns. This study recommends following suggestions for the concerned parties to ensure the safety of the investment from various perspectives.

#### *Investors*

In the context of Bangladesh, investors should prioritize certain measures to protect their investments during crises. Firstly, diversification of portfolios is crucial. By spreading investments across different sectors and asset classes, investors can reduce the vulnerability to a downturn in any particular industry. For instance, amidst the COVID-19 pandemic, sectors such as healthcare,

technology, and infrastructure have shown resilience and growth potential. Therefore, investors in Bangladesh could consider allocating a portion of their portfolios to these sectors to hedge against market volatility. For example, an investor in Bangladesh who had a diversified portfolio before the pandemic, with investments in healthcare, technology, infrastructure, as well as traditional industries, would have been better positioned to weather the crisis. While traditional industries suffered significant losses, the healthcare sector experienced an upsurge in demand due to increased healthcare spending, and the technology sector benefited from the accelerated digital transformation in the country. Through diversification, this investor could cushion the impact of the crisis and benefit from sectors that demonstrated resilience and growth in Bangladesh.

### *Policymakers*

Policymakers play a crucial role in managing the impact of crises on economies and should prioritize specific measures to support affected industries and individuals. Firstly, fiscal measures should be implemented to provide immediate financial assistance to impacted businesses. This could include measures such as tax relief, low-interest loans, grants, and subsidies to help businesses weather the storm. By injecting liquidity into the economy, it can help prevent insolvencies and stimulate economic recovery. For example, during the 2008 global financial crisis, policymakers implemented stimulus packages designed to stabilize financial markets and provide assistance to struggling industries such as automotive and housing. These measures helped prevent widespread economic collapse and laid the groundwork for recovery. Additionally, policymakers should also focus on implementing policies aimed at enhancing crisis resilience. This could involve investing in infrastructure projects to stimulate job creation and economic growth, as well as improving social safety nets to protect individuals and families during times of crisis.

### *Regulators*

Regulators in Bangladesh play a critical role in ensuring market stability and protecting investor interests during crises. Close monitoring of market activities is essential to identify and address potential risks promptly. Moreover, regulators should prioritize transparency in the financial industry by establishing reporting requirements and disclosure mechanisms that enable market participants to make appropriate decisions. To encourage sustainable investment practices during crises, regulators in Bangladesh can promote environmental, social, and governance (ESG) investing strategies. By considering factors such as environmental impact, social responsibility, and corporate governance, investors can contribute to long-term value creation and support economic recovery. Furthermore, regulators should establish mechanisms for investor protection, such as investor compensation funds or regulatory oversight of financial advisors. These measures will help maintain investor confidence and ensure that individuals are not exploited during times of crisis in Bangladesh.

## Conclusion

The COVID-19 pandemic and the Russia-Ukraine war have had significant impacts on the economy and stock market in Bangladesh. The pandemic led to a contraction in GDP growth, disruptions in various sectors such as tourism, manufacturing, and SMEs, as well as volatility in the stock market. On the other hand, the Russia-Ukraine war has potential implications for trade, supply chains, FDI, and energy prices in Bangladesh. Through a comparative analysis, it is evident that both crises have caused economic and stock market volatility, but with varying magnitudes and durations. Certain sectors have shown resilience while others have been vulnerable. Governments have implemented measures to mitigate the impacts, and successful investor strategies have involved diversification and identifying opportunities in resilient sectors. Recommendations for investors include diversifying portfolios and identifying sectors with growth potential. Policymakers should focus on fiscal measures and policies to support affected industries. Regulators should monitor market activities and promote transparency. Measures to improve crisis resilience include strengthening healthcare infrastructure, diversifying the economy, and developing robust risk management frameworks. By understanding the impacts, lessons learned, and policy implications, stakeholders in Bangladesh can navigate future crises and work towards a resilient and stable economy and stock market.

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