Review on Present Status of Rohingya People in Bangladesh: Effects on Social, Economic, Environment and Wildlife Habitat

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Authors’ contributions

This work was carried out in collaboration among all authors. Authors RARS and IJS finalized the study conception, collected literature and writing original draft. Authors MJH, MSAM, MHK, MER, and MMR were executed data curation, reviewing, editing and checking plagiarism to the manuscript. All authors read and approved the final manuscript.

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ABSTRACT

The Rohingya peoples are an ethnic Muslim minority group who are the most ill-treated and persecuted refugee groups in the world. The present study is designed to reveal the present situation of Rohingyas in Bangladesh. We also focused on the socio-economic impact of the Rohingyas on the local population as well as their impact on the environment and wildlife of Bangladesh. More than 9,00,000 Rohingyas have recently fled from Myanmar to Bangladesh and are now residing in refugee camps in Cox’s Bazar District. In the majority of cases, the forest and hills have been replaced by the Rohingyas to create the accommodations in this area. Forestland is therefore being destroyed to make camps for this enormous inflow of refugees, posing a serious threat to ecosystems, biodiversity, and wildlife habitats in this area. We reviewed recently published papers about Rohingya refugees in Bangladesh. There is broad agreement that the high speed of refugee settlements and their engagement with antisocial activities with other malpractices are major drivers for making the huge socio-economic crisis and environmental threat in that area. The current study concluded that the decades-long presence of refugees in Bangladesh has created a natural disaster for wildlife habitats in these areas. There is only one way that Bangladesh’s government must implement various strategies for liaising with the international community to compel Myanmar’s government to begin repatriating the Rohingyas to their own country.

Keywords: Bangladesh; environment; habitat; refugee; Rohingya; socio-economic.

1. INTRODUCTION

The world is currently experiencing its worst refugee crisis in history. The Rohingya, one of the most stateless and persecuted ethnic groups in the world, are being driven into Bangladesh from Myanmar (Fig. 1), a country dominated by Buddhism [1]. Arakan is Myanmar’s northwestern province, home to two major ethnic groups: The Rohingyas and the Rakhines (Fig. 2). The Rohingyas are from North Arakan, while Rakhine is from South Arakan. The Rohingyas are the largest ethnic and religious group in Myanmar’s northwestern Rakhine state. Its culture and religion differ significantly from that of other ethnic groups in Myanmar [2, 3]. According to religion, the Rohingyas are Muslims, while the Rakhines are Buddhists [4]. The Rohingya refugee crisis is not a new or unexpected issue for Bangladesh. Bangladesh has a long history of hosting Myanmar’s Rohingya refugees. It is said that the Buddhist Rakhine/Arakan people and the Muslim Rohingya people coexisted peacefully during the post-colonial era. After British colonization and the First Anglo-Burmese War in 1825, there was a paradigm shift in politics that changed how these two groups of people were perceived, which subtly bred conflict and isolation [5]. The "Constitution of the Union of Burma" and the "Union Citizenship Act," which were adopted after the independence of Burma from the British in 1948, combined, are regarded as legal documents for Rohingya regarding Burmese citizenship. The Rohingyas were denied all forms of citizenship with the adoption of the Citizenship Law in 1982 and they became stateless after its implementation in 1987 [5].

Fig. 1 (A,B). The present scenario of the camp area of Rohingya refugees in Cox’s Bazar district (Photo courtesy: Omar Munna (left); Getty Images (right))
However, the most recent wave of Myanmar violence has resulted in the largest Rohingya influx to date, with an estimated 1 million refugees crossing from Rakhine state into Cox’s Bazar, Bangladesh, since August 25, 2017 [1, 6]. What happened in Myanmar before August 2017? Arakan Rohingya Salvation Army (ARSA) activists stormed more than 30 police security checkpoints on August 25, 2017, which led to a violent response from the security forces. Medecins Sans Frontieres (MSF), a global medical humanitarian aid organization, estimates that the violence claimed the lives of at least 6,700 Rohingya people, including 730 children under the age of five [7].

The Rohingya experienced unimaginable mental torture in Myanmar. According to the key information, many children under the age of ten who were born with congenital disorders also had a mental handicap as a result of these terrible events. Due to the loss of everything in life, adults also experience mental agony. The psychological damage they have sustained as a result of seeing how the military expedition in their state died is incalculable.

According to Amnesty International, Rohingya women and girls were raped and subjected to sexual abuse by Myanmar security personnel. In late August 2017, at least 288 villages in the northern section of Arakan were partially or destroyed by fire [9]. The United Nations believed that the Myanmar regime intended to expel Rohingya Muslims from Rakhine [10]. The majority of the Rohingyas are now housed in various camps in Cox’s Bazar, Bangladesh, after the forested hills that surrounded the two existing refugee camps in Teknaf, Kutupalong, and Nayapara were replaced. Few of them have made their homes in more isolated and distant locations with scant access to infrastructure and services [11, 12]. The current review concentrates on the present status of Rohingya people in Bangladesh, and its impact on the surrounding area, placing particular emphasis on the environment and wildlife habitat, deforestation and deterioration of protected areas, human-wildlife conflicts, and other issues.

2. METHODOLOGY

To design and conduct this study, secondary data was gathered from peer-reviewed journal papers, books, and reports from international, governmental, and non-governmental organizations, as well as from grey literature, which includes certain pieces from print and electronic news sources. Different keywords were used to search the databases from Google, Google Scholar, Pubmed, and ResearchGate like “the present situation of Rohingyas in Bangladesh”; “social impacts of Rohingyas in local people in Bangladesh”; “economic impacts of Rohingyas in Bangladesh”; “environmental impacts of Rohingyas in Bangladesh”; and “Rohingyas impact on wildlife”. We used Microsoft Office (2013) for data curation and analysis.

3. ROHINGYA REFUGEE CAMP AREA

The Rohingya refugee people’s camp area is located in Cox’s Bazar District, the eastern and
southern-most of Chittagong Division (Fig. 3). The area is made up of 2,491.85 km² of primarily low-lying coastal land with extensive stretches of mixed agricultural areas and rough forested hills further inland [13]. An estimated 2.7 million Bangladeshi people are currently living in Cox’s Bazar. The region is extensive, reaching 135 kilometers north to south and 30 kilometers east to west from the high northern part to the bottom southern part when it narrows to less than 3 km². Cox’s Bazar is located in the tropical monsoon zone, which brings very high temperatures, copious rainfall (an average of 4,285 mm yearly), and distinct wet and dry seasons [14]. The peoples depend on natural resources and ecosystem services for their livelihood provided by local agriculture, forestry resource, marine and cultivated fisheries, and ecotourism services [15]. However, every year so many natural calamities such as floods, tropical cyclones, tornadoes, and tidal bores have been attacked in this area. This region’s geography is primarily recognized for its extensive forested sections, protected areas, natural reserves, and national parks are included [16]. The previous study also reported that the district has a forest cover of more than 25%, of which 11,615 ha are declared wildlife sanctuaries like the Teknaf Wildlife Sanctuary and an estimated 10,849 ha are protected forests [17]. There are different types of plant and animal species including birds, monkeys, snakes, and bats, are found in the forest habitat. The study reported that the Asian wild elephant is one of the threatened and gravely endangered species in this area [15, 16].

4. NUMBER OF ROHINGYA POPULATION EXISTS IN BANGLADESH

Around 307,500 Rohingya refugees lived in Cox’s Bazar region before August 2017 [19]. After August 25, 2017, approximately 940,000 Rohingya migrated to Bangladesh [20]. The study region is home to more than 900,000 Rohingya refugees who live in a variety of host communities that have been in place for a while as well as unplanned camps that have sprung up since August 2017 [21]. With a total population of 771,000, three main sites and their expansion regions house the majority of Rohingya refugees, making up almost 88% of those who have settled in the area although there are about 100 spontaneous refugee camps spread throughout the research area [21, 22]. With a total population of 713,000 Rohingya, the Kutupalong-Balukhali camp extension site, the largest refugee settlement in the area has the highest refugee concentration among all three locations (i.e., a population density of 533 refugees per hectare) [16]. The oldest recognized camp and second-largest refugee population are Nayapara. It is the second-largest location for refugee settlement in the study region, which stretches from Leda in the north to Jadimura in the south and is home to some 37,000 refugees [23]. The Unchiprang location, which is the third largest camp between Nayapara and Kutupalong, houses about 22,000 Rohingya refugees. Between August and December 2017, an estimated 726,221 Rohingya refugees arrived in Cox’s Bazar [24]. According to UNHCR estimates, this led to an increase in the overall number of Rohingya. Approximately a million people (884,041 registered refugees living in the District of Cox’s Bazar, Bangladesh), of which 96% came since 2016 [25]. The Administration of Bangladesh constructed numerous new camps in the Cox’s Bazar region with the assistance of UNHCR to provide accommodations for the recent Rohingya refugees. The area now houses the biggest number of refugees in every country in the world. The site of the Kutupalong-Balukhali camp’s expansion has a total population of 635,000 people [26]. Most of the refugees have set up camps in steep terrain which were covered in forest, at risk of landslides, and exposed to cyclones and extreme precipitation occurrences during the cool-rainy monsoon season might cause flash flooding [16, 27, 28].

5. NUMBER OF ROHINGYA POPULATION EXISTS IN SURROUNDING COUNTRIES

A smaller number of Rohingya refugees have settled down around Myanmar such as in Indonesia, Nepal, India, Thailand, Malaysia, and other nations in the region. In addition, some Rohingya refugees migrated to other nearby nations like Thailand (92,000) and India (21,000) [29]. The number of internally displaced people (IDP) in Myanmar has risen to more than 1.1 million as a result of ongoing armed hostilities, with 769,000 of them having fled their homes since February 2021 [30].

6. GEO-CLIMATIC CONDITION OF THE COX’S BAZAR

The study region experiences a subtropical environment with varying seasonal fluctuations and moderately high temperatures (an average of 78.98°F) each year. Occurrences with significant precipitation (annual rainfall estimated
The region experiences hot, humid summers and a pre-monsoon season from March to May, a cool-rainy monsoon season (from June to September), a cool-dry winter, and a post-monsoon season (from October to May) the wet season (December to February), and the dry season [16, 32].

![Fig. 3. Map of the Cox’s Bazar District of Bangladesh [18]](image1)

![Fig. 4. Rohingya population dynamics in Cox’s Bazar, Bangladesh [31]](image2)
7. CRISIS IN GDP AND BUDGETING OF THE BANGLADESHI GOVERNMENT

The nominal gross domestic product of Bangladesh in 2021 was 416.26 billion USD in current USD [33]. According to the Bangladesh Ministry of Finance, the Government revenue in 2021-22 was 38.90 billion USD in the present day’s currency and present exchange rate [34]. Conservative estimates place the required aid to provide for the Rohingya refugees at 1 billion USD a year, which amounts to about 3.5% of the Government’s revenue in 2017 [35]. This represents a significant amount to finance and a huge potential burden for a country that is already one of the poorest. After the crisis evolved, the Finance Minister declared the allocation of money to tackle the crisis, however, the exact amount of spending from the Government of Bangladesh was not found. The host nation may experience social and economic stresses as a result of rapid, unplanned refugee surges that devastate already precarious ecological balances [36]. Refugee inflows could upset established racial, religious, social, and community-based, as well as service-delivery, balances in settlement areas, which could lead to conflicts. Due to an increase in robberies, assassinations, prostitution, and drug trafficking, the presence of refugees typically poses security issues for the local population’s social life [37].

8. SOCIO-ECONOMIC IMPACT IN BANGLADESH

The impact of the Rohingya refugees’ presence on Bangladesh’s economy cannot be long-lasting. The regional economy of the country is being severely and negatively impacted by the over one million refugees. Locals in Ukhia and Teknaf, two districts in Bangladesh, are suffering greatly as a result of a rapid price increase in both the consumer market and the transportation sector. Currently, Bangladesh needs an additional $600 million to pay for the upkeep and daily expenses of the almost 600,000 new Rohingya refugees who are residing in its country. In response, the UN had pledged to fund the humanitarian program with only $230 million, or roughly 38.3% of the actual demand. The influx of Rohingyas also continues as a result of the continuing “Rohingya cleansing” campaign, which has targeted new Rohingya villages in central and northern Rakhine. As of yet, 302 Rohingya villages have been destroyed by fire, and it is anticipated that close to ten thousand Rohingya men, women, children, and senior citizens have been massacred [38]. Following their arrival on August 25, 2017, the newly arrived Rohingyas have already cleared roughly 4000 acres of forest land, burning close to 500 tons of wood per day for cooking [39]. This is how Bangladesh’s scarce forest resources are being used, putting the region’s natural balance in jeopardy. Since the 2017 exodus, in particular, the social cohesion between the host population and the Rohingya minority in Cox’s Bazar has already started to disintegrate [40]. The region’s host population as well as the Rohingya group there may modify their beliefs and behaviors unintentionally when social cohesion deteriorates. As competition for resources becomes more and more fierce, trust between the two communities is deteriorating, which might increase conflict. Strict general security measures will result from the security precautions taken to avert any catastrophic events in the area, which will only fuel animosity between the two populations in Cox’s Bazar. Fajh et al. 2019 investigated how refugee populations in a host state affect social cohesiveness, and their findings point to a worrying conclusion [41]. The results are in line with earlier studies that found that being exposed to violence and adversity was linked to greater support for both legal and criminal political activism [41]. A lack of progress in repatriation can erode community stability as displaced populations become more involved in violent activism, especially when these activities are linked to painful past experiences that continue to affect the refugee populations’ current circumstances. If the host community believes that the Rohingya population is becoming increasingly detrimental to its well-being, it may decide to take collective action to socially exclude the Rohingyas from all employment opportunities. This could lead to a countermeasure in which the Bangladeshi Rohingya community as a whole supports the alienated Rohingya community as they are forced to rely on illegal means of earning a living. While the Rohingyas may be able to use this to prevent potential collective exploitation by the host population, such a circumstance would simply heighten unrest in the host nation. As the region’s security deteriorates as a result of organized crime, the illegal drug trade, and the arms trade, the safety and security of the host community will be in greater danger. The safety and security of the Rohingya refugee population may suffer as the host community’s security takes on more significance. Although the lack of legal refugee status for the Rohingya people may speed the use of harsher security measures
against them, doing so could be harmful to the host community. The Director of the Bangladesh Institute of International and Strategic Studies (BlISS), Major General Md Emdad Ul Bari, NDC, PSC, TE, has referred to this security risk by stating that “Different reports said that the Rohingya have shown a tendency to flare up conflicts and threaten both social and national security at both transit and destination countries” [42]. If the host community believes that government efforts to increase security in the area are insufficient, then collective measures taken by the host community outside of government involvement to increase security (such as active exclusion from income opportunities through the local government and law enforcement) can cause civil unrest and a rift between the host and the Rohingya community in the area.

9. EFFECT ON TOURISM

The local economy and tourism are seriously threatened by the sudden growth in population (almost a threefold increase). As can be seen from local news and reporting, public opinion towards the Rohingya refugees may thus harm social cohesion and cause rifts between the refugees and the locals. In the future, this can lead to confrontations between the two groups. Some Rohingya teenagers have already engaged in illegal and antisocial actions like theft, assault, and even inflicting harm on law enforcement officials [43]. These antisocial behaviors and attitudes may have developed in youth as a result of poverty, an uncertain future, and the trauma they have experienced since infancy. These antisocial behaviors and attitudes may have developed in young people as a result of their upbringing in poverty, lack of a secure future, and trauma. It is urgently necessary to conduct a thorough investigation of the social integration and prospects of the Rohingya refugees, who are currently living in uncertainty. Determining the total effect of the ongoing migration crisis on all facets of the domestic economy may be made easier with the use of such a study and its findings. This is crucial for assessing the crisis’s effects and the necessity of coming up with a workable, long-term solution.

10. CLASH WITH LOCAL LABORS

According to the research, the sudden influx of primarily low-skilled workers with the ability to replace the existing workforce would have a detrimental impact on local labor market wages. The primary considerations for the substitution are the refugees' educational background and linguistic proficiency. The Rohingya and Bangladeshis both practice the same religion. Rohingya refugees can understand and speak the Chittagong dialect despite their language not being Bengali but being quite similar to the Chittagonian dialect [44]. Regarding their schooling, they mostly refer to labor market competition for unskilled workers. Regarding their schooling, they mostly refer to labor market competition for unskilled workers. Since Ukhia and Teknaf are two of Bangladesh’s poorest regions, where half of the population works in menial labor, the residents there confront intense competition [45]. In actuality, this is in line with the critical migration theory, which contends that migration is a means of relocating inexpensive labor. In this way, the Rohingya forced exodus led to an overabundance of cheap labor. Even though they are not permitted to work or leave the camps, Rohingya migrants can conceal their identity due to their similar language. In exchange for their inexpensive labor force, the neighborhood employers also assist them in hiding their identities. To make some money for themselves, the Rohingya immigrants primarily work on construction projects or in the fishing industry [45, 46].

11. TERRORISM AND DRUG TRAFFICKING

The Rohingya community in Bangladesh, where they currently reside, is accused of occasionally breaching and weakening the broader law and order situation. The Rohingya inflow is linked to terrorism as well as many forms of trafficking, including human trafficking, ammunition trafficking, theft, drug trafficking, armed robbery, and maritime piracy. Mr. Mohibullah, one of the Rohingya leaders in Bangladesh was killed in 2021 by an unknown terrorist in the camp area of Cox’s Bazar [47]. So many unwanted incidents have taken place in this area every day. Smuggling and unauthorized cross-border intrusions are a couple of other notable arrests. Additionally, there is a growing correlation between Rohingyas and the rising incidence of crimes involving sexual assault (including prostitution and sexual slavery), extortion, killings for organs, domestic servitude, and forced labor [48]. They frequently have surprisingly violent spillover effects on the local Cox's Bazar district population as a result. The rising degrees of fear and defeat sensitivity among the local people and Rohingyas seriously impede productive
debate. Furthermore, it is thought that the Rohingya community is a factor in the local communities' loss of law and order. Rohingya have been involved in several societal problems, including the trafficking of illegal firearms and drugs in Bandarban [49]. "Yaba," a lethal narcotic with a significant and expanding underground market in South Asian nations including Bangladesh, which is driving Rohingya people from Myanmar to sell and generate money in Bangladesh. According to one study, more than 96% of Yaba tablets enter Bangladesh via the Taknaf route, whereas 92% are transported by Rohingyas [50]. Even though it has ceased agreeing to allow new Rohingya immigration, Bangladesh does not just deport the people back to Myanmar because of the threats they face there.

12. PROSTITUTION

Unfortunately, the Rohingya women can easily leave the camp after sunset. As a result, interested parties have used them as prostitutes. According to our findings, a sizable proportion of Rohingya women engage in prostitution. Another direct crime they committed was drug dealing. The Rohingya camp is a hub for drug trafficking. The sanitation process in the Rohingya camp is inadequate but unsanitary due to the difficulty in managing proper and clean sanitation systems for the massive influx of Rohingyas [51].

13. EFFECTS ON ENVIRONMENT AND WILDLIFE

Natural forest cover has been declining globally by 3.1% a year since 1990, and Southeast Asia has seen an even more pronounced loss [52]. The loss, fragmentation, and thinning of the forest are caused by stressors brought on by anthropogenic activity, which has been a prominent area of study for climate change and biodiversity [53, 54]. Forest degradation is the stalled succession constrained by anthropogenic pressures that limit the natural ecological processes and forest dynamics. The districts of Cox's Bazar and the neighboring areas in southeast Bangladesh are abundant in natural resources and wildlife. These areas have been covered in various kinds of vegetation for a very long time. Several studies reported that Cox's Bazar-Teknaf Peninsula is an ecologically important region for wildlife habitat where three forests were declared as reserve forests [55-57]. Even though the government designated these forests as reserves and imposed limitations on them to protect them, the forest lost some of its area [58, 59]. The effect of any refugee crisis on the environment and natural resources of the host country has emerged as a problem in the modern world because temporary housing is frequently built close to ecologically sensitive areas, such as national parks, reserve forests, or agriculturally marginal areas [60, 61]. As a result, some environmental deterioration has occurred, including deforestation, dwindling firewood supplies, land degradation, unstable groundwater extraction, and water [62]. In various ways, forests and trees contribute to community resilience and reduce vulnerability to climate-related pressures [63]. A recent study identified the socioeconomic elements contributing to deforestation processes, such as poverty, refugee movement, forest encroachment, and power interactions involved in forest management on the Teknaf peninsula [64-65]. Another study highlighted the undocumented Rohingyas' livelihood strategies and the potential repercussions on the forest and other natural resources, including the Teknaf Wildlife Sanctuary [32]. The study reported that cutting down trees on slopes has a huge negative influence on the Teknaf Wildlife Sanctuary [32]. Refugees cut down trees to make shelters and collect wood for cooking and heating. As a result, the area surrounding the refugee camps may lose its vegetation and trees [66]. The recent Rohingya influx in 2017 created major environmental effects and wildlife habitat losses in the hostile area of Cox's Bazar. The majority of the Rohingya refugees are encamped in hilly areas, which were previously forest areas, vulnerable to landslides, and highly exposed to cyclones and flash flooding due to extreme precipitation events during the cool-rainy monsoon season [3, 16, 28, 32]. The topsoil in the areas close to the camps has been severely exposed and has been completely cleared of vegetation as a result of the prolonged fuelwood harvesting activity. Additionally, the soil has been uncovered, and the remaining plants, notably tree roots, have been cut down [18, 65]. Rapid vegetation loss and anthropogenic weathering are removing and washing away the topsoil, which will eventually disturb the plant nutrition of the forest ecosystem [67]. This significant growth (1355 ha) of refugee settlement has mostly replaced the forested land as a result of the Rohingya influx in 2017, reducing the vegetative cover surrounding the camps by 2283 ha [68]. According to Imtiaz (2018), the vegetation cover in the Teknaf Upazila and Teknaf Wildlife
Sanctuary decreased by 1284 ha and 103 ha, respectively, in late 2017 [66]. Teknaf Wildlife Sanctuary covers an area of 11,615 hectares and is home to 538 plant species and 613 animal species, including Asian elephants [69]. A recent study investigated the forest losses caused by Rohingya settlements near Teknaf Wildlife Sanctuary and Himchari National Park [64]. The study found losses of forest area from Teknaf Wildlife Sanctuary and Himchari National Park as a result of the Rohingya influx between 2017 and 2020. However, the results showed that the construction of the Rohingya camp resulted in a significant 11% point drop in forest cover in non-protected areas [64]. This drastic decline in dense vegetation cannot possibly be a result of rapid refugee inflow and settlement expansion; rather, it is a direct result of their catastrophic effects. Since many of these temporary relocation camps were built in or close to wild elephant corridors, which have already resulted in several incidents of conflict between Rohingya and elephants, the rapid degradation of forested land will cause ecological issues and disturb wildlife habitats in the area [16]. Recently, Hasan et al. (2021) used a multi-criteria evaluation to estimate the status of the forest vegetation and looked into and identified a very noteworthy observation in the Rohingya camp area [18]. According to the spatial severity of impact (SSI) index, out of the 5415 ha of total degraded forest areas, 650 ha would have the highest cost from 2017 to 2027 [18]. The environmental integrity (EI) index assessed the area's rapidly declining ecosystem integrity, which went from 1340 ha in 2018 to 1190 ha in 2019, and predicted that by 2027, the integrity will have decreased, even more, reaching 740 ha [18].

Fig. 5. Changes of the landscape configuration after the influx of Rohingya Refugees in Cox’s Bazar, Bangladesh [16]
Fig. 6. Predicted land use and forest cover in the Rohingya hostile area. (a) is the experimentally modeled map derived from the land use and forest cover data for 2017 and 2018. (b) and (c) are the predicted land use and forest cover maps for 2023 and 2027, respectively, derived from land use and forest cover maps of 2017 and 2019 [18]

14. CONCLUSION

The review emphasized identifying the social, economic, and environmental impacts of Rohingya refugees on the local community of Cox's Bazar in Bangladesh. The environment of the Cox's Bazar district is currently at grave risk due to the influx of a large number of Rohingya people. From a humanitarian standpoint, the Bengali population that surrounds the Rohingya has so far shown a great deal of tolerance and sympathy. On a local and regional level, there is also escalating socio-economic hostility between the locals and the Rohingya sometimes. Overall, the review identified that the Rohingya influx in 2017 was a new kind of shock for Bangladesh resulting in the tremendous impacts of socio-economic on the host nation being real and very alarming. The ever-increasing population has an impact on local resources, making security very fragile and destruction of the ecosystem. Some organizations are also compelled to clear the hills to construct offices and establish activities in the camp. As a result, the quantity of land that was covered in plants drastically decreased, and the dependent community particularly the animal diversity is now at risk of going extinct. Forest resources are intertwined with a variety of other challenges, including biodiversity conservation, climate change adaptation and mitigation, and coastal resilience. The Rohingya response strategy must include a sustainable forest and ecology management plan. To preserve vegetation, the review advised planting a large number of plants for making the soil stable and stopping further forest degradation and destruction as a top priority. Also, it is important to emphasize the restoration and rehabilitation of degraded forest landscapes within the Rohingya camp area and urgently planting shade- and fruit-bearing trees along the hilltops, contours, valleys, and roadside. Meanwhile, the Rohingya situation will continue to be a tremendous burden for both the host community and the government. Despite the difficulties, the Bangladeshi government made great efforts to meet basic requirements with the help of UNHCR. The research findings reveal economic ramifications, such as new livelihood chances for Rohingya people through assistance agency employment; business opportunities provided by market advances; and revenues earned by development aid provision. Analyzing the scope of the local government of Bangladesh's and the international community's emergency response to the issue allowed researchers to gauge the magnitude of the negative effect of refugees on the Bangladeshi economy. Additionally, the country’s international
trade, local salaries and prices, and GDP change were all closely monitored. The Bangladeshi government must take more strong decisions about Rohingya repatriation while also ensuring that local security does not deteriorate further. International and national non-governmental organizations (NGOs) should also take on the challenge of ensuring their fundamental necessities. The only solution to all obstacles is the repatriation of Rohingya to Myanmar. Unfortunately, it is a major global issue that requires the engagement of the international community and will take years to resolve.

COMPETING INTERESTS

Authors have declared that no competing interests exist.

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