

Sustainable Management Strategies for Enhancing Commercial Growth in the Public Health Sector

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KEYWORDS

Sustainable Management, Public Health, Organizational Performance, Sustainability Practices.

Commercial Growth

ABSTRACT

This study investigates sustainable management strategies for enhancing commercial growth in the public health sector, focusing on the interrelationship between sustainability practices and organizational performance. With the increasing pressure on healthcare systems to reduce costs while improving service quality, sustainable management has emerged as a critical approach to achieving these objectives. The research employs a mixed-methods design, combining quantitative analyses, including descriptive statistics, ANOVA, and structural equation modeling, to evaluate the effectiveness of sustainability initiatives such as waste reduction, energy efficiency, and community engagement. Findings reveal that organizations that implement comprehensive sustainability practices not only experience enhanced operational efficiency but also achieve significant cost savings and improved financial performance. This study contributes to the existing literature by highlighting the tangible benefits of sustainability in the public health sector, providing a framework for organizations to adopt effective strategies that align with environmental goals while driving commercial growth. The recommendations from this research emphasize the importance of leadership commitment, employee engagement, and ongoing training in sustainability practices. As the global emphasis on sustainability continues to rise, this study positions sustainable management as a vital component for the future success of public health organizations.

1. Introduction

Sustainable management solutions in the public health sector have emerged as a critical priority for governments and organisations worldwide. This transition is motivated by the necessity to reconcile expansion with social, economic, and environmental sustainability, especially in areas like healthcare that exert considerable societal influence. Public health systems are vital for delivering necessary services to communities; however, they frequently suffer from inefficiency, constrained resources, and escalating demand. To address these issues and promote commercial growth in the sector, creative and sustainable management solutions must be implemented. The incorporation of these methods, designed to enhance resource utilization, elevate service delivery, and guarantee sustainability, is crucial for promoting organisational success and better public health results. The principal objective of adopting sustainable management methods in the public health sector is to ensure the efficient utilization of both human and financial resources. By adopting strategies such as economical procurement, energyefficient technologies, and optimized operating procedures, public health organisations can minimize waste and operational expenses, thus reallocating resources for investment in other vital sectors. Research indicates that health systems emphasizing sustainable practices experience decreased costs and advance overarching environmental objectives, including the reduction of carbon footprints (Siegfried, 2021). Furthermore, these organisations assert their leadership in corporate social responsibility, perhaps attracting additional investment and alliances. Implementing renewable energy solutions in healthcare facilities has been demonstrated to substantially reduce operational expenses

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while improving the organization's reputation as an innovative institution (Baker & Rosenfeld, 2020).

The second primary domain in which sustainable management methods can augment commercial success is through innovation in service delivery models. Digital health technology, telemedicine, and remote patient monitoring systems are becoming essential to healthcare operations, especially in public health contexts. These technologies enhance the efficiency of healthcare resource utilization and expand service accessibility to marginalized people. Moreover, the incorporation of big data and artificial intelligence in healthcare administration has allowed organisations to more accurately anticipate patient requirements, enhance resource distribution, and elevate overall service quality. This adaptation to emerging technologies can generate chances for commercial expansion by enhancing the organization's market presence and optimizing operational efficiencies (Heinrich & Larsen, 2019). Consequently, public health institutions that prioritize technology and innovation within their sustainable management strategies are more adept at competing and succeeding in a progressively intricate healthcare environment. Nonetheless, the execution of sustainable management techniques presents several challenges. Numerous public health organisations function in resource-limited settings, facing considerable pressure to achieve immediate outcomes, frequently compromising longterm sustainability. To attain sustainable growth, organisations must reconcile urgent operational requirements with long-term strategic planning. This necessitates a transformation in organisational culture, with leadership assuming a crucial role in advocating for sustainability measures. Evidence indicates that the effective execution of sustainable management techniques depends on robust governance, transparent communication, and a commitment to employee training and development (Smith, 2020). In the absence of this fundamental backing, even the most well-meaning methods are prone to failure. The financial success of public health organisations in a sustainability-oriented market primarily hinges on their ability to establish an internal infrastructure that facilitates and advances these projects.

Moreover, public health systems must manoeuvre through intricate regulatory frameworks that frequently place limitations on the management solutions that may be utilised. Governments and regulatory agencies exert considerable influence on the operations of healthcare organisations, especially in the public sector. To foster commercial expansion, public health organisations must synchronize their objectives with regulatory mandates while promoting policies that encourage innovation and sustainability. Engagement with policymakers, business stakeholders, and community organisations is crucial for cultivating a regulatory framework that promotes sustainable growth. Research indicates that public-private partnerships (PPPs) are among the most efficacious methods to harness private sector expertise and investment to stimulate commercial growth in the public health sector (Jones & Stevenson, 2021). Through these agreements, public health organisations can access new revenue sources and improve their ability to provide high-quality treatment, while upholding a commitment to sustainability. Sustainable management techniques are essential for promoting commercial growth in the public health sector. These strategies, centred on optimizing resource utilization, adopting technological advancements, and cultivating robust leadership and governance, provide a pathway for public health organisations aiming to excel in a competitive and resource-limited context. For these initiatives to thrive, they require a strong internal infrastructure and a regulatory environment that promotes innovation and sustainability. Public health organisations that adeptly address these difficulties are poised to improve their commercial growth while also significantly impacting public health outcomes and societal welfare. Sustainable management is not merely an operational requirement; it is a strategic essential for the future of public health.

Literature Samples

Harris and Nadeem (2019) evaluated the impact of environmental sustainability practices, including energy conservation and waste management, on the economic performance of public healthcare institutions. The aim was to evaluate if investments in sustainable technologies result in enduring financial benefits. The results indicated that healthcare organisations implementing energy-efficient systems, including solar panels and water conservation technology, achieved a significant decrease in



operating expenses, leading to enhanced profitability. The authors determined that environmental sustainability is both an ethical obligation and a feasible avenue for economic expansion in public health organisations. Kumar and Patel (2020) examined the influence of supply chain management on enhancing sustainability within public health services. The aim was to examine the influence of sustainable procurement and supply chain strategies on the operational efficiency and financial success of healthcare organisations. The study demonstrated that organisations implementing sustainable sourcing strategies, including the acquisition of eco-friendly medical supplies and the reduction of transportation emissions, achieved cost reductions and enhanced operational efficiencies. The research determined that sustainability in the supply chain is crucial for healthcare organisations aiming for environmental accountability and economic success.

Thompson and Blake (2021) conducted a review emphasizing the significance of employee involvement in the execution of sustainable management techniques in the healthcare sector. Their aim was to evaluate the influence of employee participation in sustainability efforts on organisational development and performance. The findings indicated that active participation of healthcare workers in sustainability initiatives, including waste reduction and energy conservation programs, correlates with enhanced financial performance and increased patient satisfaction within organisations. The authors determined that employee engagement is an essential factor for sustainability and commercial expansion in public health organisations. Roberts and Greenfield (2019) examined the influence of community collaborations on sustainability within the public health system. The aim was to investigate how partnerships between healthcare entities and local communities may foster sustainable development and stimulate commercial expansion. The results demonstrated that healthcare institutions that engaged in active partnerships with community organisations were more effective in implementing sustainable practices, including local material procurement and shared resource initiatives, resulting in decreased operational costs and improved community support. The authors determined that cultivating robust community relationships is vital for attaining enduring sustainability and advancement in public health. Andrews and Hall (2021) examined the impact of incorporating circular economy principles, including the recycling and reuse of medical equipment, on the financial sustainability of public health facilities. The aim was to assess the economic advantages of implementing circular economy principles in healthcare. The study revealed that institutions adopting these principles greatly decreased waste disposal expenses and prolonged the lifespan of medical equipment, resulting in considerable cost savings. The research determined that the circular economy provides a viable paradigm for attaining environmental sustainability and economic success in the public health sector.

Problem Discussed

Public health organisations are encountering escalating difficulties in preserving operational efficiency and financial viability while delivering high-quality healthcare services. Escalating expenses, resource limitations, and environmental issues necessitate that healthcare facilities discover innovative methods to optimize their operations. Sustainability has become a vital factor from environmental, economic, and social perspectives (World Health Organisation, 2020). Nonetheless, a considerable gap exists in comprehending how sustainable management practices can directly facilitate commercial success within public health organisations. Despite the adoption of environmentally friendly practices by numerous healthcare organisations, a complete sustainable management framework that addresses the sector's varied needs remains absent. In the absence of such frameworks, organisations may find it challenging to enhance their operations, minimize expenses, and elevate service performance, all of which are essential for commercial success (Baker & Rosenfeld, 2020). The lack of well-defined strategies has hindered public health organisations from attaining long-term financial sustainability, crucial for preserving service quality and accessibility.

Furthermore, the literature suggests that public health organisations frequently exhibit reluctance to embrace sustainability efforts owing to projected elevated implementation costs, insufficient skills, and regulatory obstacles (Harris & Nadeem, 2019). This reluctance impedes the industry's capacity to



utilise sustainable management approaches for commercial expansion. Identifying effective and flexible sustainable management techniques is crucial, since these strategies can enhance the resilience of healthcare institutions, lower operating costs, and stimulate growth in a progressively competitive landscape. This study aims to discover and assess sustainable management techniques that public health organisations might adopt to improve their commercial growth. This study seeks to offer evidence-based insights to aid public health organisations in formulating actionable frameworks that ensure sustainability and profitability. The study will examine effective techniques, the factors affecting their execution, and the possible obstacles to their adoption.

2. Methodology

The target population for this study comprises public health organizations operating in Chennai, as these entities are typically engaged in managing resources, implementing sustainability practices, and focusing on commercial growth. To obtain relevant data through questionnaire and insights, the sample respondents will consist of healthcare professionals working in managerial capacities. These respondents are knowledgeable about the organization's sustainability initiatives, financial planning, and overall operational strategies. Specifically, the sample will include:

- Hospital administrators
- Sustainability officers or environmental health managers
- Financial or operational managers
- Department heads of clinical and non-clinical services

A sample size of 100 respondents will be chosen for this study. The study will employ a purposive sampling technique. This non-probability sampling method is chosen to specifically target individuals who have in-depth knowledge of the organization's sustainability practices and management strategies.

3. Result and Discussion

Table 1: Descriptive Statistics

Variable	Mean	Std. Deviation	Minimum	Maximum
Energy Efficiency (EE)	4.1	0.5	3	5
Waste Management (WM)	3.8	0.7	2	5
Staff Training (ST)	4.2	0.6	3	5
Cost Savings (%) (CS)	10.5	2.5	5	15
Profit Margin (%) (PM)	8.7	1.9	4.5	12

Source: Primary data

- On average, organizations rate their energy efficiency (mean = 4.1) and staff training (mean = 4.2) highly, showing strong engagement with these sustainable practices.
- Waste management has a slightly lower mean (3.8), indicating moderate implementation.
- The average cost savings from these strategies is 10.5%, and profit margins average at 8.7%, indicating a positive financial impact of sustainable management practices.

ANOVA (Analysis of Variance)

- Null Hypothesis (\mathbf{H}_0) : There is no significant difference in cost savings between the different types of public health organizations.
- Alternative Hypothesis (H₁): There is a significant difference in cost savings between the different types of public health organizations.

Table 2: ANOVA Results – Cost Savings Across Organization Types



Source of Variation	SS	df	MS	F	p-value
Between Groups	12.35	2	6.175	4.58	0.013*
Within Groups	130.75	97	1.348		
Total	143.1	99			

Source: Primary data

- The **p**-value (0.013) is less than 0.05, indicating that there is a significant difference in cost savings between government, private, and non-profit public health organizations.
- Post-hoc tests would reveal which groups differ significantly, but the overall finding supports the idea that organizational type influences the financial outcomes of sustainability initiatives.

Table 3: Factor Analysis – Principal Component Analysis (PCA)

Variable	Factor 1: Strategic Sustainability	Factor 2: Operational Efficiency
Energy Efficiency	0.82	0.23
Waste Management	0.79	0.18
Staff Training	0.74	0.25
Cost Savings	0.21	0.85
Profit Margin	0.22	0.82

Source: Primary data

- Factor 1 (Strategic Sustainability) is primarily composed of variables related to sustainability practices such as energy efficiency, waste management, and staff training.
- Factor 2 (Operational Efficiency) is heavily loaded with variables related to financial outcomes, such as cost savings and profit margin.
- These two factors explain the majority of variance in the dataset, showing that sustainability initiatives can be categorized into strategic practices and financial outcomes.

Structural Equation Modeling (SEM)

• To test a model that predicts how sustainability practices (Energy Efficiency, Waste Management, Staff Training) affect commercial growth (Cost Savings and Profit Margin).

Hypothesized SEM Model:

- Independent Variables (Sustainability Practices): Energy Efficiency, Waste Management, Staff Training
- Dependent Variables (Commercial Growth): Cost Savings, Profit Margin

Path	Estimate	Std. Error	z-value	p-value
Energy Efficiency → Cost Savings	0.32	0.09	3.56	0.001
Waste Management → Cost Savings	0.28	0.08	3.25	0.002
Staff Training → Cost Savings	0.18	0.07	2.57	0.01
Cost Savings → Profit Margin	0.62	0.11	5.64	< 0.001
Energy Efficiency → Profit Margin	0.15	0.1	1.5	0.135
Waste Management → Profit Margin	0.22	0.09	2.44	0.015
Staff Training → Profit Margin	0.12	0.08	1.5	0.135

Source: Primary data



- Energy efficiency, waste management, and staff training all have a significant positive effect on cost savings (p < 0.05).
- Cost savings has a strong positive effect on profit margin (p < 0.001), which indicates that
 organizations that achieve higher cost savings through sustainable practices tend to experience
 improved commercial growth.
- Among the sustainability practices, waste management also directly influences profit margin, while energy efficiency and staff training have a weaker, non-significant direct impact.

Waste Management 0.28 Cost Savings 0.62 Profit Margin

0.18

Chart 1: Model fit - Sustainable Practices Affecting Commercial Growth

Findings

- **Descriptive Analysis** shows high engagement with sustainability practices across public health organizations, with notable cost savings and profit margin outcomes.
- ANOVA reveals significant differences in cost savings based on organizational type, suggesting that different public health institutions experience varying financial benefits from sustainability initiatives.
- **Factor Analysis** identifies two key factors: strategic sustainability practices and operational efficiency, simplifying the complex variables into understandable components.
- **SEM** confirms that sustainability practices indirectly impact profit margin through cost savings, with waste management playing a direct role as well.

Discussion

The analyses provided valuable insights into the ways in which sustainability practices influence financial outcomes, with a particular emphasis on cost savings and profit margins. The results are consistent with the current body of literature, while they also provide novel perspectives that contribute to the ongoing conversation regarding sustainability in public health. The descriptive analysis revealed a high level of engagement with sustainability practices, with an average cost savings of 10.5% and means of 4.1 for energy efficiency and 4.2 for staff training. This is consistent with the results of prior research, including those conducted by Caniato et al. (2018), which observed that healthcare



organisations that implemented energy-efficient technologies experienced substantial cost savings. The findings underscore that organisations not only contribute to environmental objectives but also improve their financial performance by investing in sustainable practices, resulting in a mutually beneficial situation. Significant variations in cost savings were observed among various categories of public health organisations, including government, private, and non-profit sectors, as determined by the ANOVA analysis. This is consistent with the conclusions of D'Amato et al. (2020), who contended that the efficacy of sustainability initiatives is substantially determined by the type of organisation. According to their research, private organisations are more likely to benefit from sustainability investments because of their flexibility and capacity to rapidly adjust to market changes.

Conversely, non-profit organisations, despite their dedication to sustainability, frequently encounter financial constraints that restrict their capacity to allocate resources towards these initiatives. This study supports that assertion by illustrating the impact of the type of organisation on the financial outcomes that result from sustainable management strategies. Two primary components were identified through factor analysis: operational efficiency and strategic sustainability practices. This bifurcation is in accordance with the research conducted by Walker et al. (2021), who suggested that organisations must distinguish between sustainability as a strategic initiative and its operational implications. The current study offers a more nuanced comprehension of how public health organisations can effectively implement sustainability measures to maximize both environmental and financial benefits by categorizing sustainability practices into these two factors.

The SEM results demonstrated robust positive correlations between sustainability practices and financial outcomes, particularly in the context of cost reductions that affect profit margins. The significant path coefficient of 0.62 from cost savings to profit margin is consistent with the findings of Liu et al. (2019), who also highlighted the importance of financial savings in enhancing the overall profitability of health services. Their research underscores the importance of cost reductions as a critical factor in the implementation of sustainability initiatives, thereby strengthening the idea that sustainability is not only an ethical obligation but also a strategic financial decision. Additionally, the SEM analysis revealed that waste management is a direct contributor to profit margins, suggesting that effective waste practices can generate immediate financial benefits. This discovery is consistent with the research conducted by Zhan et al. (2020), which demonstrated that effective waste management systems can reduce operational expenses and increase revenue generation. In conclusion, the analyses conducted in this study both confirm and supplement the existing research on sustainable management strategies in the public health sector. The significance of incorporating sustainable practices into the fundamental operational strategies of public health organisations is emphasized by the findings, which demonstrate significant relationships between financial outcomes and sustainability practices. These insights will be invaluable for leaders who are striving to reconcile financial viability with environmental responsibility as healthcare continues to evolve.

4. Conclusion and future scope

The study on sustainable management strategies for enhancing commercial growth in the public health sector has elucidated the critical relationship between financial performance and sustainability practices. The research demonstrated that cost savings and profit margins are positively impacted by effective sustainability practices, including energy efficiency, waste management, and staff training, through comprehensive analyses, including descriptive statistics, ANOVA, factor analysis, and structural equation modelling. Numerous suggestions are suggested in accordance with the results. The implementation of sustainable practices should be prioritized by public health organisations as a strategic initiative, rather than as an ancillary endeavor. In particular, the implementation of energy-efficient technologies and robust waste management systems can generate substantial financial returns while simultaneously supporting environmental objectives. Additionally, organisations should cultivate a culture of sustainability by training personnel and promoting innovative practices, thereby



increasing operational efficiency and optimizing returns.

The theme of sustainability in the public health sector is anticipated to become even more pertinent in the future. Organisations that proactively implement sustainable management strategies will not only enhance their competitive advantage but also make a positive impact on the planet as the global emphasis on environmental responsibility continues to grow. The landscape is on the brink of a transformation as a result of the integration of sustainability into the core strategies of public health organisations. This will pave the way for future innovations and practices that balance financial development with social responsibility. Ultimately, the results of this study are a call to action for public health sector executives to incorporate sustainability into their operational and strategic frameworks, thereby guaranteeing long-term viability and resilience in a constantly changing environment.

Reference

- [1] Andrews, P., & Hall, T. (2021). Circular economy in healthcare: Reducing waste and driving profitability. Sustainable Health Journal, 11(2), 160-175.
- [2] Baker, T., & Rosenfeld, A. (2020). Renewable energy integration in healthcare: The path to cost savings and sustainability. Journal of Sustainable Health Systems, 12(3), 345-362.
- [3] Caniato, F., Caridi, M., Crippa, L., & Moretto, A. (2018). The impact of energy efficiency on healthcare costs: Evidence from a field study. Journal of Cleaner Production, 171, 109-119.
- [4] D'Amato, A., Droste, N., & Stoeber, J. (2020). The role of organizational type in the implementation of sustainability initiatives. Sustainability, 12(4), 1620.
- [5] Harris, R., & Nadeem, S. (2019). Environmental sustainability and economic performance in public health facilities. Journal of Health Economics and Management, 27(4), 450-465.
- [6] Raju, P., et al. "Next-Generation Management on Exploring AI-Driven Decision Support in Business." Optimizing Intelligent Systems for Cross-Industry Application, edited by S. Suman Rajest, et al., IGI Global, 2024, pp. 61-78. https://doi.org/10.4018/979-8-3693-8659-0.ch004
- [7] R. Arun, M. Umamaheswari, K. Premalatha, M. V. Kumar, A. Stella and S. Pl, "Stress Management Through Workplace Associations with Productivity and Mood: The Impact of Learning Experience Based on Hybrid RF-GA-DNN Approach," 2024 International Conference on Electronics, Computing, Communication and Control Technology (ICECCC), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/ICECCC61767.2024.10593908
- [8] Arumugam, T., Arun, R., Natarajan, S., Thoti, K. K., Shanthi, P., & Kommuri, U. K. (2024). Unlocking the Power of Artificial Intelligence and Machine Learning in Transforming Marketing as We Know It. In S. Singh, S. Rajest, S. Hadoussa, A. Obaid, & R. Regin (Eds.), Data-Driven Intelligent Business Sustainability (pp. 60-74). IGI Global. https://doi.org/10.4018/979-8-3693-0049-7.ch005
- [9] P. Kranthi, Dr Kiran Kumar Thoti, Dr Shilpa Bhakar, Dr R. Arun, & Dr Biswo Ranjan Mishra. (2024). The Relationship Between Sustainable Human Resource Management and Green Human Resource Management- A Case of Medical Sector in Hyderabad, India. South Eastern European Journal of Public Health, 401–410. https://doi.org/10.70135/seejph.vi.1190
- [10] Arun, D. R., Srivastava, D. S., Sireesha, rajeyyagari, & Thilagaraj.A, D. (2024). Examining the Varied Culinary Practices and Nutritional Patterns: A Comprehensive Analysis of Eating Habits Amongst Student Populations in Educational Settings. South Eastern European Journal of Public Health, 392–400. https://doi.org/10.70135/seejph.vi.1189
- [11] Heinrich, P., & Larsen, T. (2019). The role of digital health technologies in public health system efficiency. Health Informatics Journal, 25(4), 540-556.
- [12] Jones, M., & Stevenson, K. (2021). Public-private partnerships in healthcare: Opportunities and challenges for sustainable growth. Journal of Public Health Policy, 32(2), 201-218.
- [13] Arumugam, T., Arun, R., Anitha, R., Swerna, P. L., Aruna, R., & Kadiresan, V. (2024). Advancing and Methodizing Artificial Intelligence (AI) and Socially Responsible Efforts in Real Estate Marketing. In S. Singh, S. Rajest, S. Hadoussa,

Sustainable Management Strategies For Enhancing Commercial Growth In The Public Health Sector. SEEJPH 2024 Posted: 10-09-2024

- A. Obaid, & R. Regin (Eds.), Data-Driven Intelligent Business Sustainability (pp. 48-59). IGI Global. https://doi.org/10.4018/979-8-3693-0049-7.ch004
- [14] Kumar, S., & Patel, V. (2020). Sustainable supply chain management in public healthcare: A case study approach. Global Journal of Public Health, 14(3), 290-305.
- [15] Liu, Y., Zhang, J., & Wang, J. (2019). Financial implications of sustainability practices in the healthcare sector: A systematic review. International Journal of Health Planning and Management, 34(3), 856-874.
- [16] Arun R, and Bhuvaneswari R (2019). Buying behavior of meet's consumption relates to food safety from north and south part of the Coimbatore City. International Journal of Recent Technology and Engineering, 7, 429-433. https://www.ijrte.org/wp-content/uploads/papers/v7i5s/ES2177017519.pdf
- [17] R, S. (2021). Digital marketing in hospitality and tourism. In C. Cobanoglu, S. Dogan, K. Berezina, & G. Collins (Eds.), Hospitality & tourism information technology (pp. 1–26). USF M3 Publishing. https://www.doi.org/10.5038/9781732127593
- [18] Roberts, L., & Greenfield, J. (2019). Community partnerships and sustainability in public health systems. Public Health Review, 22(1), 105-121.
- [19] V. Santhi and R. Shankar. (2021). Collision of Green Employee Engagement and Green Human Resource Management in Employee's Productivity. HuSS: International Journal of Research in Humanities and Social Sciences, 8(1), 27-32.
- [20] Shankar, R., & Gopal, D. L. N. (2021). Online teaching effectiveness: Faculty's perspective. Review of International Geographical Education (RIGEO), 11(7), 3655-3661. doi: 10.48047/rigeo.11.07.335
- [21] Siegfried, L. (2021). Environmental sustainability in healthcare: Reducing waste and enhancing efficiency. Global Health Journal, 10(2), 178-189.
- [22] Smith, G. (2020). Leadership in sustainable healthcare management: Building a culture of innovation and accountability. Leadership in Health Services, 33(1), 150-166.
- [23] Thompson, M., & Blake, E. (2021). Employee engagement in sustainability initiatives and its impact on organizational performance. Journal of Sustainable Healthcare Management, 19(2), 220-235.
- [24] Arun, R., et al. "From Data to Decisions on Artificial Intelligence's Influence on Digital Marketing Research." Optimizing Intelligent Systems for Cross-Industry Application, edited by S. Suman Rajest, et al., IGI Global, 2024, pp. 1-18. https://doi.org/10.4018/979-8-3693-8659-0.ch001
- [25] Walker, H., Di Sisto, L., & McBain, D. (2021). The evolution of sustainability in the healthcare supply chain: A review. Sustainable Production and Consumption, 27, 1131-1146.
- [26] World Health Organization. (2020). Sustainable development in health systems: Strategies and frameworks. WHO Press.
- [27] Zhan, Y., Choi, T. M., & Bae, S. (2020). Waste management as a key factor for sustainable business growth in healthcare. Resources, Conservation and Recycling, 157, 104757.