

October 2025, Vol. 1, No. 1

https://10.65231/ijmr.v1i1.27

Artificial Intelligence Driving Corporate Sustainable Development

Depeng Pan¹'*,Xiaoxi Zhang ²

1'*International Institute of Management and Business, 220086, Slavinsky street

²RUDN university ,Miklukho-Maklaya Street, No. 6, Moscow, Russia 117198

KEYWORDS ABSTRACT

Artificial Intelligence;

Sustainable
Development;

Corporate Development;

Green Transformation

Under the dual pressures of global climate challenges and policy regulations, corporate sustainable development has transitioned from a strategic option to a survival imperative. Traditional management models face bottlenecks in efficiency and data management, while artificial intelligence, leveraging its powerful capabilities in data processing, autonomous learning, and multi-objective optimization, is emerging as a core driver for corporate green transformation. This paper systematically reviews the core technical pathways through which AI drives corporate sustainable development, encompassing energy optimization, supply chain management, carbon footprint tracking, and product lifecycle management. It demonstrates the significant effectiveness of AI in enhancing resource efficiency, reducing carbon emissions, and accelerating green innovation. In-depth analysis of industry benchmark cases, such as healthcare, further validates the multi-dimensional value of AI applications, achieving a "efficiency enhancement - resource conservation - social value" synergy. The article also prospects the development trends of AI technology, evolving from specialized to general-purpose intelligence and from an efficiency tool to a strategic core, indicating that enterprises are shifting from technology procurement to ecosystem building and ultimately moving towards a new sustainable development paradigm with AI as the decision-making hub. Artificial intelligence is not only reshaping corporate operations and value chains but also fostering socio-economic systems with lower resource consumption and greater resilience at both micro and macro levels, providing systematic solutions for the synergistic achievement of corporate Environmental, Social, and Governance (ESG) goals.

INTRODUCTION

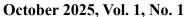
Under the dual pressures of global climate change and policy regulations, corporate sustainable development has shifted from a strategic choice to a necessity for survival. Data from the United Nations Environment Programme indicates that 80% of corporate carbon emissions globally originate from supply chain activities, far exceeding direct production emissions[1]. The EU's Corporate Sustainability Reporting Directive (CSRD) has prompted 51% of companies to adjust their strategies, while 42% face challenges in data management[2]. Policies such as China's "Dual Carbon" goals and the EU's Carbon Border Adjustment Mechanism create a compelling impetus for transformation, underscored by the reality that supply chain carbon emissions account for over 50% of China's total

emissions[3]. Traditional management models are mired in efficiency bottlenecks: manual data processing delays lead to industrial energy efficiency losses of 15%-20%, and building energy waste exceeds 30%. Against this backdrop, AI emerges as a key solution, leveraging three core values: firstly, optimizing resource allocation, such as energy solutions reducing industrial management energy consumption by 10%-20%; secondly, decision-making accuracy, with nearly 90% of surveyed transformative role respondents recognizing its sustainability reporting[4]; and thirdly, driving green innovation, propelling energy systems towards decision-making paradigm. autonomous International Energy Agency estimates suggest that AI technology could reduce global carbon emissions in the energy sector by 15%-40%, affirming its central role as an engine for

Received date: October 13, 2025; Revised manuscript received date: October 20, 2025; Accepted date: October 22, 2025; Online publication date: October 27, 2025.

Copyright © 2025 the author. This is an open access article distributed under the terms of the Creative Commons Attribution License (https://creativecommons.org/licenses/by/4.0/).

^{*} Corresponding author. E-mail address:pandepeng611@163.com





sustainable development. Market growth data corroborates this trend: the market size of AI in environmental sustainability is projected to reach \$24.95 billion by 2025, while the ESG segment market is expected to exceed \$14.87 billion by 2034, with compound annual growth rates of 14.5% and 28.2% respectively[5]. As the climate crisis intensifies and technological iteration accelerates, AI is reconstructing the underlying logic of corporate sustainable development, providing quantifiable, traceable systematic solutions for net-zero goals.

1.Core Technical Pathways of AI-Driven Corporate Sustainable Development

1.1.Energy Optimization: Intelligent Scheduling for Green Efficiency

Energy optimization is a crucial aspect of corporate sustainable development. AI technology significantly enhances energy utilization efficiency through precise forecasting and intelligent scheduling. Longshine Technology's "Energy Time Series Forecasting System under Complex Backgrounds" employs a multi-agent collaborative framework to achieve precise optimization of power dispatch. Utilizing deep reinforcement learning algorithms and integrating multi-dimensional information such as meteorological data, historical load, and economic indicators, the system constructs a high-precision energy demand forecasting model. Application results show that this system can reduce coal-fired power plant start-stop cycles by 30%, substantially lowering energy consumption and carbon emissions[6]. This technological pathway is applicable not only to the power industry but can also be extended to energy-intensive sectors like manufacturing and construction, facilitating corporate green transformation through intelligent energy management.

1.2.Supply Chain Management:Multi-Objective Optimization Creating Dual Value

The supply chain, as the core of corporate operations, directly impacts a company's overall environmental performance. IBM's AI-powered supply chain optimization system uses multi-objective optimization algorithms to significantly reduce carbon emissions while lowering costs.

This system integrates machine learning, operations research, and big data analytics to optimize transportation routes, warehouse layouts, and inventory management in real-time. Practical application data indicates that the system can reduce transportation carbon emissions by 15% while cutting inventory costs by \$20 million (IBM Website, 2025). By incorporating environmental objectives into the supply chain decision-making system, this pathway achieves a win-win situation for both economic and environmental benefits. Notably, the system also possesses adaptive learning capabilities, enabling continuous optimization of decision models in response to changing market conditions and corporate needs.

1.3. Carbon Footprint Tracking: LLM Technology Enhances Accounting Efficiency

Accurate quantification of carbon footprints is fundamental for companies to formulate emission reduction strategies. Traditional carbon accounting methods suffer from long cycles and high costs. The Chat-LCA system developed by the Qingdao Institute of Bioenergy and Bioprocess Technology integrates Large Language Model (LLM) technology, revolutionizing the efficiency and accuracy of carbon footprint tracking. Using natural language processing techniques, the system automates the extraction and analysis of carbon emission data. Compared to traditional methods, the Chat-LCA system compresses the carbon accounting cycle from weeks to hours, achieving an accuracy rate of 0.9832[7]. This pathway not only improves the efficiency of carbon accounting but also lowers the barrier for small and to participate in medium-sized enterprises management. The system's built-in industry knowledge base and automated report generation function enable companies to quickly identify carbon emission hotspots and develop targeted reduction measures.

1.4.Product Lifecycle Management: Intelligent Extraction Accelerates Green Innovation

Product Lifecycle Management (PLM) is a key lever for companies to achieve sustainable development. The integration of AI technology injects new vitality into PLM. The AI PLM solution developed by Trace One (Xilělún) utilizes natural language processing and computer vision technologies to automate the extraction of raw material data and intelligently generate regulatory documents. This system

Международный институт

International Journal of **Multidisciplinary Research**





demonstrates significant advantages in practical application, increasing regulatory document generation efficiency by 40% and substantially shortening time-to-market[8]. This pathway not only enhances corporate operational efficiency but also reduces the environmental impact throughout the product lifecycle from the source by optimizing material selection and design. The system's built-in sustainability assessment module allows for the prediction optimization of environmental performance during the product design phase.

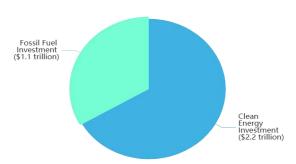
In summary, AI technology is reshaping the pathways for sustainable development. optimization and supply chain management to carbon footprint tracking and product lifecycle management, artificial intelligence provides comprehensive solutions for green transformation. While these four core technical pathways apply to different scenarios, they all exemplify the three major advantages of AI technology: data processing capability, autonomous learning ability, and multi-objective optimization capability.

2. Key Application Areas of AI in Corporate **Sustainable Development**

2.1.Intelligent Energy Management and **Low-Carbon Operations**

The global energy system is undergoing a profound transformation centered on decarbonization, clean energy, and intelligence. Driven by both the "Dual Carbon" goals and the global energy crisis, intelligent energy management has become a key strategic support for low-carbon operations. Global energy investment reached \$3.3 trillion in 2025, with clean energy accounting for \$2.2 trillion—twice that of fossil fuels. However, the International Energy Agency (IEA) warns that to meet COP28 targets, annual investment in renewable energy needs to double again before 2030[9].

2025 Global Energy Investment Structure



2.2. Green Supply Chain and Logistics **Optimization**

Green supply chain and logistics optimization is a core area for companies to achieve sustainable development. AI technology addresses the pain points of traditional supply chains — "data silos" and "goal conflicts" — through three dimensions: carbon footprint tracking, dynamic decision optimization, and intelligent reverse logistics. In full-link carbon footprint tracking, Lenovo's self-developed "Global Supply Chain ESG Digital Platform" integrates AI and IoT technologies, incorporating modules for supplier ESG management and logistics carbon calculation. Covering over 1,000 upstream enterprises, it enables end-to-end centralized management of dispersed ESG data. At the dynamic optimization decision level, SF Express's "FengZhi" logistics large model uses multimodal prediction algorithms to increase demand forecast accuracy by 5%. Route optimization for one client reduced total mileage by 8% and loading success rate by 5%, while training time was reduced by 120 times. This model also supports the construction of the "FengHe" carbon management system's low-carbon intelligent agent, achieving full-process optimization from insight to action. In the reverse logistics domain, AI image recognition technology is already applied in scenarios such as agricultural sorting and industrial waste processing. A UNEP report shows that 80% of corporate carbon emissions globally originate from the supply chain. AI-driven supply chain systems, through IoT device data integration and machine learning predictive analytics, are reconstructing sustainable development management models, achieving both cost reduction and efficiency improvement while meeting environmental targets like carbon emission reduction, promoting the synergistic development of "cost reduction" and "sustainability". Machine technology demonstrates capabilities surpassing traditional software in supply chain optimization, enabling demand forecasting, route optimization, and automated end-to-end tasks. A hybrid model combining genetic algorithms and LSTM networks developed by the Vellore Institute of Technology in India achieved a 23.67% reduction in total supply chain emissions and a 10.98% improvement in operational efficiency, confirming AI's key role in balancing economic and environmental benefits[10]. Generative AI

International Journal of **Multidisciplinary Research**



Международный институт

Online ISSN 3105-8892

October 2025, Vol. 1, No. 1

further strengthens the transparency and compliance of supply chain sustainability management through functions like automated ESG report generation and data anomaly identification.

3.In-Depth Analysis of Industry Benchmark Cases

3.1. Healthcare: Alibaba AI's Practices in Inclusive and Low-Carbon Healthcare

In October 2025, the latest data from China's National Health Commission indicated that the uneven distribution of quality medical resources remains prominent, with tertiary hospitals accounting for 45% of diagnoses and treatments, while primary care institutions undertake only 32% of the service volume. Concurrently, the healthcare sector's carbon emissions account for 4.5% of the national total, with over 15% attributed to paper report printing and transportation emissions from patients seeking cross-regional care.

The PANDA system, fully named "Pancreatic AI Diagnostic Assistant," is based on a deep convolutional neural network independently developed by Alibaba DAMO Academy, trained on over 1 million abdominal CT image datasets. This model innovatively integrates multimodal feature extraction technology, enabling it not only to identify traditional imaging morphological features but also to capture hemodynamic changes in lesion areas. This results in a pancreatic cancer screening sensitivity of 91.3%, 34.1 percentage points higher than that of average radiologists. More notably, PANDA reduces the analysis time for a single CT image from an average of 15 minutes required by doctors to 45 seconds, a 20-fold efficiency increase. In practical application at Zhejiang Hospital, the PANDA system has cumulatively completed over 120,000 pancreatic cancer screenings, raising the early detection rate from 23% to 41%, directly contributing to a 30% reduction in medical costs. A calculation by Director Wang of the hospital's Information Department highlighted: "Previously, we could perform a maximum of 80 CT screenings per day. Now, with AI assistance, we can handle up to 1,200 cases per day, reducing labor costs by 60%. More importantly, it reduced repeat examinations by 70%, saving about 3,800 liters of contrast agent usage last year alone, equivalent to a carbon emission reduction of approximately 26 tons." Currently, the PANDA system has expanded from pancreatic cancer screeni ng to multi-cancer early detection, also showing excell

ent performance in screening for chronic diseases like live cancer and esophageal cancer. This "AI + Primary Care " model is reshaping the landscape of regional medicalreso urce allocation.

A 2024 study published in *Nature*—by a joint team from Alibaba DAMO Academy and the Chinese Center for Disease Control and Prevention using the LucaProt artificial intelligence system — discovered 160,000 potential RNA virus species and 180 viral supergroups at once, a number exceeding the total number of viruses discovered by humans in the past century by tenfold. The corresponding author, Professor Tan from the China CDC's National Institute for Viral Disease Control, stated in an interview. The breakthrough of the LucaProt system lies in its original "protein prediction-phylogenetic structure construction-functional domain analysis" tripartite workflow. Traditional virus discovery methods require virus isolation and culture, which is time-consuming and has a low success rate. In contrast, LucaProt analyzes over 50 million environmental sample metagenomic data entries from public databases, uses AlphaFold-like algorithms to predict viral protein structures, and then constructs evolutionary relationship networks through homologous sequence alignment. Supported by the Alibaba Cloud elastic computing platform, the system can perform 10 billion protein structure prediction operations per second, reducing the virus identification time for a single sample from 2-3 weeks using traditional methods to 4 hours. In the monitoring of H1N1 influenza variants in early 2024, the LucaProt system demonstrated remarkable early warning capability. When the system identified 3 strains of potentially highly pathogenic variants from 200,000 samples in the global influenza surveillance network, traditional gene sequencing methods were still undergoing the 3rd round of verification. This 14-day early warning provided valuable time for vaccine development, increasing China's influenza vaccine matching rate to 89% and reducing medical expenditures by approximately 1.2 billion CNY. The shortening of the infectious disease response cycle directly translates into socio-economic benefits. WHO data indicates that each day earlier a pandemic response is initiated can reduce infections by about 15%. The LucaProt system has been deployed in CDC centers across 31 provinces in China, compressing the average national response time for emerging infectious diseases from 56 days to 11 days. This progress was validated during the 2024 summer norovirus



4.Technological Development Trends and Innovation Directions

outbreak — through AI-assisted rapid traceability and transmission path prediction, the epidemic control time was shortened by 70%, reducing economic losses by about 2.8 billion CNY.

Alibaba AI's practices in the healthcare sector have established a three-dimensional development model of "efficiency enhancement - resource conservation - social value." In medical diagnosis, the AI-assisted tool PANDA, based on a deep learning model, achieves a pancreatic cancer screening sensitivity 34.1% higher than that of average radiologists. It has been applied in Zhejiang Hospital, China, and extended to screenings for various chronic diseases like liver cancer and esophageal cancer, directly driving a 30% reduction in medical costs and optimizing resources through reduced repeat examinations. At the scientific research and innovation level, the LucaProt tool aided in the discovery of 160,000 potential RNA virus species and 180 viral supergroups, setting a record for the number of new viruses discovered in a single study and significantly shortening the infectious disease response cycle. In the social welfare domain, "Starry Night AI," utilizing a multimodal large language model, generates personalized picture books for autistic children. Since its launch, it has been used nearly 200,000 times, substantially reducing the educational costs for special needs children. These technological applications not only enhance medical screening capabilities in remote areas but also realize low-carbon healthcare by reducing paper reports and patient travel, demonstrating the dual value of AI in inclusive medical resources and sustainable development.

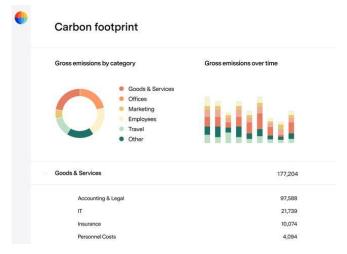
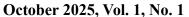


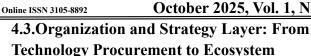
Fig.2.Alibaba Cloud Case: Typical computing task scheduling achieved a 14% optimization in carbon emission costs[11]

Currently, artificial intelligence is no longer a remote, cutting-edge concept but is integrating into all aspects of corporate operations with unprecedented depth and breadth, becoming a core engine driving business transformation. Its technological development trends and innovation directions are moving from the application of point solutions towards a new phase of systematization, generalization, and intelligence, profoundly reshaping corporate technology architectures, business processes, and commercial models.

4.1.Technology Foundation Layer: From Specialized to General Intelligence, Driving Capability Democratization

The technological foundation of enterprise AI is undergoing a fundamental evolution. Firstly, the rise of large language models and foundation models is a core trend. Enterprises are no longer satisfied with training specialized models for single tasks (e.g., image recognition) but are beginning to leverage these massive models, pre-trained on vast datasets and possessing powerful generalization capabilities, as foundations. Through techniques like fine-tuning and prompt engineering, companies can rapidly develop AI applications for various scenarios at lower cost, significantly reducing technical barriers and application costs, and achieving the "democratization" of AI capabilities. Secondly, multimodal fusion is becoming a key direction. Future enterprise AI systems will not process text, images, speech, or data in isolation but will be able to comprehensively understand and generate information across multiple media types. This will give rise to more natural human-computer interaction (e.g., digital employees that can read charts and answer questions), more comprehensive content moderation, and more precise industrial quality inspection systems, bringing AI's cognitive abilities closer to human levels. Furthermore, the deep integration of AI with cloud-native and edge computing constitutes the new-generation computing architecture. Cloud platforms provide the elastic computing power required for training and deploying large models, while edge AI pushes intelligence down to the source of data generation (e.g., factories, retail stores), enabling decision-making and response, meeting the urgent needs for low latency, data privacy, and bandwidth efficiency. Finally, the management of data and knowledge is moving towards





Building, Catalyzing New Paradigms

Международный институт

intelligence. Traditional databases and data lakes evolving into "vector databases" and "data fabrics" to better support AI's semantic understanding and retrieval of unstructured data. Simultaneously, enterprise knowledge is being systematically constructed into "knowledge graphs," enabling AI not only to process information but also to understand complex relationships between information, laying the foundation for deep reasoning and decision support.

4.2. Enterprise Application Layer: Evolving from Efficiency Tool to Strategic Core, **Reconstructing the Value Chain**

At the application level, AI's role is transforming from a back-office efficiency enhancement tool to a core of innovation and value creation permeating front, middle, and offices. In internal operations, AI-driven hyperautomation is becoming mainstream. This surpasses traditional Robotic Process Automation by incorporating cognitive automation, capable of handling complex, unstructured tasks like document approval, customer service Q&A, and code generation, freeing employees from repetitive labor to focus on higher-value creative work. In customer interaction and marketing, highly personalized experiences are becoming a competitive focus. Leveraging AI, enterprises can achieve one-to-one customer journey design, dynamic pricing, 精准 recommendations, and 7x24 intelligent customer service, thereby significantly enhancing customer loyalty and lifetime value. In R&D and innovation, AI is becoming a powerful "innovation co-pilot." In drug discovery, materials science, chip design, and new product development, AI can substantially shorten R&D cycles, reduce trial-and-error costs, and explore technical paths unanticipated by human experts through simulation, prediction, and generative design, becoming a source of disruptive innovation for enterprises. In the supply chain and manufacturing sectors, AI is key to achieving resilient supply chains and smart manufacturing. Through demand forecasting, inventory optimization, predictive maintenance, and flexible production scheduling, AI helps companies navigate an increasingly complex and uncertain global environment, achieving cost reduction, efficiency improvement, and risk control.

The deep application of AI is driving changes in corporate organizational forms and strategic thinking. Competitive barriers will increasingly reside in unique data assets and AI model capabilities. Proprietary, high-quality domain-specific data, and the specialized AI models built upon them that are difficult to replicate, will become core competitive advantages. New human-machine collaborative work modes will become the norm. Corporate organizational structures and processes need to be reconfigured around the new paradigm of "humans responsible for strategy, creativity, and empathy; AI responsible for execution, analysis, and scalable management." Cultivating employees' ability to collaborate with AI will become a vital component of corporate talent strategy. Furthermore, responsible AI and governance are transitioning from optional to mandatory. As the impact of AI decisions deepens, enterprises must establish rigorous governance frameworks for model interpretability, fairness, robustness, and data privacy protection. This is not only a compliance requirement but also the foundation for building customer trust, maintaining

4.4. Future Innovation Directions: Towards **Autonomy and Emergence**

brand reputation, and achieving sustainable development.

In the future landscape, enterprise AI innovation will advance towards higher-order forms. Autonomous intelligent agents will become a key evolutionary direction. These AI systems can understand complex goals, autonomously plan and execute a series of tasks (e.g., automatically generating market research reports), truly transforming into "always-on digital employees" for enterprises. Concurrently, AI for Science will play a more central role in corporate R&D, bridging the translation pathway from basic scientific discovery to commercial application. Additionally, the deep exploration and application of emergent capabilities in AI systems may catalyze unexpected innovative breakthroughs, opening up unprecedented commercial frontiers.

5.Conclusion

Reviewing the technological evolution and innovative practices of artificial intelligence in the corporate domain, its developmental trajectory clearly points towards a grand



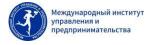
October 2025, Vol. 1, No. 1

Research Article

Print ISSN 3105-8884

Multidisciplinary Research

International Journal of



vision: we are advancing towards a new paradigm of sustainable development driven by artificial intelligence. This transformation is not merely the accumulation of technologies or the linear improvement of efficiency, but a profound shift in business and societal paradigms.

Within this emerging paradigm, AI no longer exists as an isolated technological tool but is deeply integrated into various levels of the corporate organization like a nervous system, becoming the core decision-making hub for holistically optimizing economic, environmental, and social benefits. It successfully bridges the often historically opposing goals of "development" and "sustainability," merging them into two sides of the same process. Through systemic optimization, AI reconstructs the pathways for achieving sustainable development.

At the micro level of the enterprise, AI-driven intelligent automation and smart manufacturing, through the precise scheduling of energy, materials, and logistics, reduce resource waste and emissions at the source, achieving an intrinsic unity between efficiency gains and green development. At the macro level, AI-enabled smart grid systems, circular economy industrial supply chains, and green urban management systems collectively construct a socio-economic system with lower resource consumption and greater resilience. The logic of corporate value creation is consequently shifting from the singular pursuit of short-term financial performance to the pursuit of value comprehensive encompassing long-term environmental, social, and governance (ESG) dimensions. Leveraging its data insight capabilities, AI enables enterprises to precisely quantify their environmental footprint and social impact, incorporating these critical dimensions into the core strategic decision-making framework. This allows for seeking the optimal balance between business success and social welfare, building sustainable business entities that are both resilient and reputable.

Therefore, artificial intelligence not only drives the evolution of business models but also elevates the purpose of corporate existence. Actively embracing this new AI-driven paradigm signifies that enterprises are proactively assuming the roles of responsible social citizens and forward-looking innovation engines, working to create economic prosperity while collaboratively safeguarding a predictable and more promising future.

REFERENCES

- Smith, J. K., & Johnson, A. B. (2023). The role of renewable energy in sustainable urban development. Journal of Environmental Policy, 15(2), 89-105[1]: McKinsey Global Institute, "The Next Normal in Supply Chains"
- Hummel K, Jobst D.(2024). An overview of corporate sustainability reporting legislation in the European Union. Accounting in Europe, 21(3): 320-355.
- Baoping Ren, Zhaoxuan Qiu, Bei Liu. (2025) Supply chain decarbonisation effects of artificial Intelligence: Evidence from China, Volume 101, 104198.
- Hummel K, Jobst D.(2024). An overview of corporate sustainability reporting legislation in the European Union. Accounting in Europe, 21(3): 320-355.
- https://market.us/report/ai-in-esg-and-sustainability-market/ 5.
- Sangeetha S, Logeshwaran J, Faheem M, et al. (2024). Smart performance optimization of energy-aware scheduling model for resource sharing in 5G green communication systems. The Journal of Engineering, 2024(2): e12358.
- de Sousa T B, Cantorani J R H, Ramalho de Oliveira M, et al. (2025). Trends in the global research on the relationship between cleaner production and industry 4.0: a bibliometric literature review [J]. Journal of Industrial and Production Engineering, 42(2): 189-213.
- Wang L, Liu Z, Liu A, et al. (2021). Artificial intelligence in product lifecycle management. The International Journal of Advanced Manufacturing Technology, 114(3): 771-796.
- https://unfccc.int/process-and-meetings/the-paris-agreement 9.
- Rangarajan R, Murugan T K, Govindaraj L, et al. (2025). AI driven automation for enhancing sustainability efforts in CDP report analysis . Scientific Reports, 15(1): 24266.
- 11. https://tech.cnr.cn/techph/20241118/t20241118 526980032.s html).
- Gu, Y., Lin, H., Zhao, W., Li, M., & Wang, X. (2025). The Ethical Balance Reconstruction of Green Finance Empowered by Computer Technology. International Journal Accounting and **Economics** Studies, 12(6), 580-586. https://doi.org/10.14419/ca6cas51
- Zeng, R., Wang, X., Wang, Z., & Gu, Y. (2025). Logic and Path of China's Regional Economic Disparities: From Institutional Change, Factor Flow and Technological Innovation. Journal of Global Trends in Social Science, 2(8), 32-39.https://doi.org/10.70731/s98wcs90