

Research on Green Technology Innovation Issues and Paths in the Green Development of Sichuan Counties

Wutong Xie*

School of Economics and Management, Southwest Petroleum University, Chengdu 610500, China

*Corresponding Author: Wutong Xie

ABSTRACT

With the urgent need for China's economic transformation and sustainable development, the green development of counties in Sichuan Province has become the focus of today's society. This study aims to explore the problems and paths faced by green technology innovation in this context. First, the current status of green technology innovation in Sichuan counties is analyzed, and then the problems of green technology innovation in the green development of Sichuan counties are analyzed. The necessity of research on green technology innovation and policy coordination in Sichuan counties is emphasized, and finally the path to promote green technology innovation in Sichuan counties is proposed. Through the analysis and discussion of this study, it is expected to provide feasible technology innovation paths and policy recommendations for the green development of Sichuan counties, and promote its realization of sustainable development goals.

KEYWORDS

Green; Technological Innovation; Development; Sichuan Counties.

1. INTRODUCTION

In 2015, the Central Committee of the Communist Party of China proposed five development concepts: "innovation, coordination, green, openness and sharing". "Green" is one of the core elements that runs through economic and social development. Green development pursues high efficiency, coordination and sustainability, thereby promoting rapid economic growth and sustainable social development, and has become an important trend in high-quality development of the global economy. Countries around the world regard the development of green industries as a major measure to promote economic transformation, highlighting the concept and connotation advocated by "green". In recent years, various parts of China have tried and explored green economy to varying degrees, which is an important choice to promote the transformation of county economic development methods. As an ecological barrier in the upper reaches of the Yangtze River, Sichuan Province is particularly important to implement the "green development" strategy in order to strengthen the construction of ecological civilization and continuously promote ecological protection and restoration.

2. CURRENT STATUS OF GREEN TECHNOLOGY INNOVATION IN SICHUAN COUNTIES

Green development cannot be separated from the supporting role of advanced science and technology. Sichuan Province is a typical agricultural province with good development of secondary and tertiary industries. However, except for Chengdu and surrounding cities, the rest of the cities are still dominated by traditional agriculture, and the proportion of secondary and tertiary industries is not

high. Therefore, most counties in our province are mainly agricultural. Due to the terrain of the basin, most counties are located in remote mountainous areas. The agricultural production model is still based on the traditional agricultural model. The degree of agricultural modernization and mechanization is not high, and regional development lags behind. The nature and production methods of its leading industries are also bottlenecks to its development. At present, the scale of agricultural production is still very small, and it is generally scattered and individual-operated, which has caused great obstacles to the development of regional economy. On the one hand, this shows that Sichuan's county economic structure is relatively single; on the other hand, it shows that the county economies of various regions in Sichuan show huge spatial differences due to the influence of geographical location and environmental factors.

The key to solving these two major problems lies in how to maximize the potential of the county economy, develop green technology innovation, and clarify its main functions. Most counties in Sichuan are based on agriculture as the production theme, with low scientific and technological content, which leads to their weak position in products and markets. For a long time, the counties (districts) in Sichuan have been dominated by township enterprises, and their industrial economic development has relied on large-scale investment in resources. The lack of scientific and technological progress and efficiency improvement has led to problems such as low product technology level, low resource utilization rate, and serious environmental damage. There is a certain distance between the existing technical level of Sichuan counties and environmental pollution control, green product production and green county economic development. Therefore, achieving green technology innovation is the only way.

In addition, although Sichuan Province has increased its subsidies for environmental protection funds every year, the results are not ideal and cannot effectively promote green technological innovation. At present, the subsidy structure for this field is still imperfect, and its investment ratio is low, and there is a lack of clear definition of its specific use, resulting in a large amount of subsidy funds being unable to be invested in ecological governance and green technology research and development. At the same time, there are deviations in the selection of green subsidy targets, lack of effective identification of target groups, and lack of key support for enterprises with deep green technology innovation potential, resulting in a relatively scattered use of fiscal subsidy funds and unable to exert their marginal effects. Sichuan Province's environmental protection subsidies are divorced from the reasonable needs of enterprises, resulting in enterprises in urgent need of funds being unable to receive subsidies, and a large number of private and small and medium-sized enterprises have become a "vacuum" of government subsidies, becoming a bottleneck restricting the development of green technological innovation.

3. ISSUES ON GREEN TECHNOLOGY INNOVATION IN THE GREEN DEVELOPMENT OF SICHUAN COUNTIES

3.1. Weak Policy Support

The green development of the county economy in Sichuan Province lacks experience to draw on, and its development model is still in the exploratory stage. At present, Sichuan Province has not established a complete set of green technology innovation policy and institutional systems, has not given sufficient support to enterprises in terms of policy, has not invested enough funds, and has not established a complete institutional system. At the same time, there are also some problems in finance, fiscal, and taxation. In terms of investment and financing, lack of linkage and risk protection, some special systems and mechanisms are still imperfect, difficult to form a whole, and cannot play an accurate role.

The Sichuan government should strengthen investment in green technology innovation. At the current stage of development, due to the lack of sufficient strength, no scale effect, too long R&D time, and

no sound incentive mechanism, companies lack motivation to innovate. Due to the lack of sufficient funds, it is difficult to transform green technology innovation research results in Sichuan Province, resulting in small investments destined to be small returns. In addition, because green technology innovation is an emerging industry, my country's relevant laws, regulations and administrative regulations are still lacking, and the relevant legal and regulatory systems, instructions, and reward and punishment mechanisms have not yet been formed. Enterprises cannot organically integrate environmental protection issues with the economy. They cannot protect the environment while ensuring company profits, so they only focus on the company's profits, thus restricting the spread and innovation of green technologies. In recent years, due to lack of understanding, local governments in Sichuan county departments have adopted protective policies in order to increase fiscal revenue. As a result, factory pollution was not treated and was directly discharged into the environment, polluting the local environment.

3.2. Insufficient Innovation Capabilities of Enterprises

At present, at the county level in Sichuan, the concept of green development and the awareness of green technology innovation are still not strong enough. The level of green technology innovation among enterprises in Sichuan Province is relatively low, mainly reflected in the following aspects: First, enterprises do not have a strong concept of environmental protection. Corporate decision-makers and managers fail to evaluate its long-term economic, social and ecological benefits from the strategic perspective of corporate sustainable development, thus restricting its widespread application in our country. For the purpose of economic benefits, most enterprises still adopt an extensive production model in production, blindly expand the scale of production, and blindly increase investment in resources and raw materials, trying to obtain higher profits through investment in scale and materials. economic benefits. The blind pursuit of economic interests and the neglect of human health have led to the continuous degradation of the ecological environment and restricted the pace of green technology innovation and development in Sichuan counties. Second, the level of green industry is not high, and the low-carbon level and green technology level of its products are very low. The core capabilities and market competitiveness of the industry are very poor. Therefore, the future development potential of this industry is also very small. Third, Chinese enterprises have a weak foundation for green technology innovation, relatively weak capabilities, weak scientific and technological strength, lack of scientific and technological resources, and poor green management capabilities. Especially for small and medium-sized enterprises, they lack environmental protection technology research and development and related service departments. In addition, the current market system in Sichuan counties is not yet sound, and the current reward system for green technology research and development is not sound enough. This is no longer the case. It is suitable for promoting green technology, but it cannot transform green technology into green economy. Fourth, my country's environmental protection technology industry has not yet formed cross-regional and cross-regional communication and collaboration, and some companies are still in a closed, partial, and blind state. The overall technical and technical level of Sichuan counties is relatively low, and it cannot meet the supporting facilities and technologies required for green technology research. The docking of external green technologies is also insufficient, which limits the popularization of green technologies in Sichuan counties and hinders the development of green technologies in Sichuan counties. ECO development.

3.3. The Talent Team is Weak

In the process of enterprises implementing green technology innovation, human resources are the key. The incentive system for green technology innovation talents in Sichuan Province is still imperfect, especially the lack of corresponding professional and management personnel, and there is a "reverse" trend in green technology innovation. There are many problems in the counties of Sichuan Province, such as large number and poor human resources, which restrict the further development of the green

economy in the region. In view of the characteristics of the green industry itself, a large number of people with strong theoretical research capabilities and high-level professional and technical personnel are needed as a backing. However, constrained by factors such as ideology, system and funds, there are not many talents with good green development ideas and execution capabilities in Sichuan counties, and their strength is not strong. This is mainly reflected in some strategic emerging industries. There are few high-end talents, which are difficult to attract and retain, thus affecting the green technology innovation process of the market county economy and society. At present, some enterprises in Sichuan counties have not yet formed a complete human resources training system and have failed to create a good atmosphere for human resources development. At the same time, many enterprises have neglected to strengthen cooperation with universities and research institutes.

3.4. The Legal System is Not Perfect

First of all, perfect government environmental protection control is a prerequisite for realizing green technological innovation. Currently, the legislation regarding environmental control in counties in Sichuan Province is not yet complete, and county-level governments in Sichuan Province are also facing severe challenges. On the one hand, in our country, there is a certain connection between science and technology standards and the level of economic development in our country, and it is an important means to influence corporate green technology innovation. Sichuan Province's restrictions on technical standards, emission standards, testing and inspections have provided a good excuse for companies to avoid environmental protection responsibilities and reject green technology innovation. On the other hand, it attaches great importance to emergency environmental protection and lacks a long-term environmental protection system. Sichuan Province still has shortcomings in relevant policies to protect the atmosphere, land resources, water resources and energy. At present, there is no effective long-term mechanism to guide corporate green technology innovation from the perspective of sound laws and regulations. Secondly, the current relevant legislation in Sichuan Province has not been well implemented. On the one hand, China lacks sufficient policy support in promoting green technology innovation. In terms of the entire life cycle of a product, conducting basic research in emerging industries is a high-risk, high-investment, and rich-return job. When it comes to economic interests, we will not participate lightly and must rely on the support and guidance of the state. Therefore, the government must play an important role in this regard. However, Sichuan Province currently implements a number of policies in terms of finance, taxation, industry, and green technology. However, due to the lack of complete environmental protection regulations, enterprises lack the enthusiasm for green technology innovation, and the corresponding policy-oriented functions cannot be well realized. On the other hand, the implementation of environmental protection laws in Sichuan counties is also unsatisfactory. In the face of increasingly serious ecological problems, more companies are required to assume environmental responsibility supervision and law enforcement teams, and the formation of a favorable environmental supervision environment is conducive to promoting enterprises to carry out green technology innovation. However, because the economic level of Sichuan counties is not high, the degree of industrial agglomeration is not high, and the scale of enterprises is not large, some scattered small and medium-sized towns can temporarily cover up their environmental protection responsibilities through "NIMBY" methods. Overall, The pressure on the ecological environment is relatively small.

Green technological innovation involves low-carbon development, circular development, green development and many other fields. Among them, the government only plays a mandatory role. The Sichuan Provincial Government has issued regulations related to environmental protection, but it lags behind the green development legislation in developed regions. Sichuan counties have not yet formed a relatively complete green development system and green technology innovation plan. There is a lack of effective connection between the laws and regulations related to green development in Sichuan counties. Many of the relevant laws and regulations are vague and empty, making it difficult to implement. There are also inconsistencies between legislative concepts and reality. At the same

time, our country also lacks a reward and punishment system for enterprises in legislation, and there is no definition of the environmental protection interests of enterprises. In addition, the green technology innovation system in Sichuan counties is still very weak. In the process of promoting "green development", some new problems will arise. The current legislation does not adequately supervise the environmental governance of enterprises, making it difficult to implement relevant regulations and policies to achieve expected results. The implementation of legislation and policies is insufficient, the operability is not strong, and the relevant regulations and systems are also relatively backward, which has become a bottleneck restricting green technology innovation in Sichuan counties. The relevant laws and systems still need to be improved.

4. NECESSITY OF RESEARCH ON GREEN TECHNOLOGY INNOVATION AND POLICY COORDINATION IN SICHUAN COUNTIES

Over the past 40 years of reform and opening up, Sichuan Province has experienced rapid economic development. Under the circumstance of unreasonable use of resources and environmental pollution, the environmental pollution generated has affected people's happy life. This shows that excessive pursuit of quantitative development while ignoring the bearing capacity of the ecological environment and resources will lead to a series of ecological problems. Therefore, we must take the path of "green development". In the process of green development, we should pay attention to environmental protection and reduce the burden on environmental resources. The purpose is to enable sustainable economic development, so that everyone can share the fruits of green development, and promote the overall development of mankind and the construction of "Beautiful Sichuan". Green technology innovation fully integrates the ecological concept into the process of technological innovation, fully considers the impact and role of science and technology on the ecological environment, integrates ecological benefits and social benefits into the target system of technological innovation, and combines economic development with social development and ecological sustainable development. It is of great significance in ensuring scientific and technological innovation and application, ensuring environmental cleanliness and ecological balance, taking into account benefits and ecological coordination, and taking into account social justice. In this context, the proposal of green technology innovation is conducive to maintaining the harmony and stability of nature, promoting the harmonious development of mankind and nature, and realizing the "green" development of enterprises. It is the main driving force for enterprises to achieve "green" development. Based on this, under the goal of high-quality development, from the perspective of sustainable development, it is of great significance to analyze the necessity and importance of green technology innovation to the green development of Sichuan counties.

Green technology innovation cannot be separated from the participation and coordination of policies. At present, the public's environmental protection awareness is weak, and the demand for environmentally friendly products is still in its initial stage, which makes enterprises lack the internal motivation to actively carry out green technology innovation. In addition, because environmental technology innovation requires large investment, high risks, and low short-term returns, it is impossible to form an effective driving force for green technology innovation, whether from the perspective of corporate innovation awareness or the pursuit of profits. It is unrealistic to rely solely on the enthusiasm of the enterprise to complete this task. In order for enterprises to take this step, there must be a sound policy support system, increase capital investment in green technology innovation, and provide various preferential policies to guide them to the "ecological" path, so that enterprises can get rid of the high cost and high risk of green technology innovation. Therefore, improving the relevant policy support system is the key to promoting the realization of green technology innovation in Chinese enterprises. Through effective control of enterprises and markets, strengthening guidance, formulating scientific strategies and plans, strengthening the management of social public order, and optimizing resource allocation, we can promote the healthy development of green technology innovation in my country.

The research, application and promotion of green technology can promote the rise and development of related knowledge industries, service industries and emerging industries, thereby promoting the development of new green industrialization and green economy. Transform green technology into production results and realize "gold mining from green" through technological innovation. Secondly, Sichuan counties are facing challenges from external markets in the market, and realizing green technological innovation in enterprises is the only way to break these obstacles. By implementing an innovation-driven development strategy, building a green innovation system and combining it with policies, Sichuan Province can be freed from traditional resource-based industries, accelerate the upgrading of my country's energy structure and industrial structure, and promote the green transformation of my country's economic development model, thereby finding a new path with higher quality, higher efficiency and better structure.

5. MEASURES FOR THE IMPLEMENTATION OF GREEN TECHNOLOGY INNOVATION IN SICHUAN COUNTIES

5.1. Fiscal and Tax Policies Encourage Enterprises to Innovate Green Technologies

Sichuan counties have a vast territory, and green ecological development has always attracted much attention. In this process, companies are often identified as the culprits of ecological pollution, so environmental protection is regarded as a social responsibility that companies must shoulder. On this basis, this article proposes a traditional production model based on environmental pollution, that is, an enterprise-led economic development model at the expense of the whole society. Enterprises lack the motivation to actively invest in green technology innovation and improve the original ecological environment. Green technology innovation is a huge capital investment, but this part of the investment cannot bring obvious economic benefits to the enterprise in a short period of time. Therefore, according to the rational person hypothesis, companies tend to ignore their social responsibilities and excessively pursue the growth of their own interests. However, from the perspective of "market failure", the spillover effects of "ecological environmental externalities" and "environmental pollution" make it impossible for the market mechanism to solve the above problems alone. In this case, government guiding policies are particularly important.

In recent years, the ecological environment of counties and cities in Sichuan has deteriorated day by day, which has seriously affected the economic development of Sichuan Province. At present, county-level governments have gradually realized the important role of scientific and technological progress in ecological and environmental protection. To this end, my country has introduced a series of fiscal and tax preferential measures, such as government subsidies and tax incentives. However, the enthusiasm of enterprises in carrying out technological innovation is relatively low, mainly due to the high cost and the inability to obtain immediate economic returns. Green technology innovation requires companies to make huge investments in the initial stage. However, due to its long cycle, high risk, uncertainty and other characteristics, there is asymmetric information in terms of its capital needs, which makes the company's financing more difficult. This leads to insufficient investment in technological innovation by enterprises. However, due to its positive externalities and spillovers, the social benefits it generates are far greater than the direct benefits of enterprises, which is contrary to the purpose of enterprises to pursue profit maximization, thereby weakening the motivation of enterprises to carry out green technology innovation. By optimizing product production equipment and processes, the resource utilization efficiency of enterprises can be effectively improved, thereby reducing pollutant emissions, thereby achieving the purpose of controlling environmental pollution from the source. On this basis, the pollution control process and equipment should be improved so that it can better play its role in environmental protection and reduce the company's environmental protection costs, so that it will not be punished by regulatory agencies due to environmental pollution. In addition, enterprises can also produce and sell "green" products, establish a good brand image, attract more customers, improve the competitiveness of enterprises, and bring more economic

benefits to enterprises, that is, promoting green technology innovation is conducive to improving The company's environmental performance.

There is a positive interrelationship between green technology innovation and corporate environment. Through green technology innovation, enterprises can not only effectively reduce pollutant emissions and improve their own pollution control effects, but also establish a good corporate image in the market and achieve high environmental performance. Green fiscal and tax incentive policies can encourage companies to proactively innovate, thereby having a positive impact on the company's environmental performance. Factors such as taxes and taxes play an important role in improving the environmental performance of corporate green technology innovation. Through tax incentives, financial subsidies and other measures, enterprises' green technology innovation risks can be dispersed, and funding them can help them actively participate in green technology innovation activities, thereby positively affecting the environmental performance of enterprises.

Green fiscal and taxation policies promote enterprise technological innovation: First, green fiscal and taxation incentives refer to the consistency of the industrial development direction of enterprises with the country, or a good cooperative relationship with the government, which conveys a positive message to the society, enhances the confidence of external capital suppliers in the company, and eases the green financial constraints of enterprises. This project aims to solve the problem that enterprises cannot invest in green technological innovation due to financing difficulties, and provide strong support for the development of green technological innovation activities. Secondly, by providing financial subsidies to enterprises, it can effectively alleviate the financing pressure of enterprises and avoid the financing difficulties faced by enterprises due to technological innovation; this provides more possibilities for enterprises to smoothly carry out green technological innovation activities, and also provides them with lower innovation costs, which helps to increase innovation benefits. Therefore, green fiscal and taxation policies have stimulated the willingness of enterprises to actively assume social responsibilities, enhanced the investment of enterprises in work related to green technological innovation, and thus prompted enterprises to embark on the road of green innovation in a longer term and sustainable manner.

5.2. Vigorously Promote Green Technological Innovation

Vigorously promoting green technological innovation is an important path to promote the development of green industry. If we want green industry to flourish, we must continue to develop, innovate and promote green technology. Technological innovation can be said to be the engine and core of green industrial development. Sichuan county governments have strengthened the implementation of green industrial policies by vigorously supporting green technological innovation. Green industrial policies lay the foundation for green technology innovation, and green technology innovation is an inexhaustible driving force for green industry and a guarantee for the sustainable development of green industry. Green technological innovation not only requires huge capital investment, but also faces a high degree of uncertainty and risk. In particular, some major technological innovations require sustained and large amounts of capital investment. To achieve this goal, counties in Sichuan should actively use "visible hands" to carry out green technology innovation activities in stages, by stages, and formulate corresponding policy support measures. At the same time, through the formulation of relevant policies and regulations, the scope of support for green technology innovation by county-level governments is determined, and scientific research institutes and enterprises are guided to carry out research and innovation on key technologies in major environmental protection industries. This shows that without strong support from the state, green technological innovation is essential. Relying solely on enterprises for research and development is not only inefficient, but also causes a waste of resources for the entire society. On this basis, the government and the market should work with both hands and introduce corresponding policies to support and encourage this.

The development of green industry is the driving force of green technology innovation, and the key to this process is the scientific and technological innovation of R&D organizations. Without this, green industry cannot achieve "green". Scientific and technological innovation is the core of solving many "green" problems, and we should increase support for enterprises and scientific research institutes. In its first budget, the US government will double the research expenditure of major organizations such as the National Science Foundation and the Department of Science and Technology of the Department of Energy, and give a tax cut of 74 billion US dollars to companies' scientific research expenditures. In the next ten years, the US government also plans to double the funds for basic research. We should increase investment in scientific research and innovation, and strengthen the construction of infrastructure for green industry. In the development of green industry, we often encounter a series of problems such as market failure and external effects, especially in infrastructure. However, if there is not enough money to build infrastructure, it will limit the progress of technological innovation. We should increase investment in infrastructure, pay enough attention to it, introduce private capital appropriately, support new infrastructure such as new technologies, new materials, and new processes, and meet the needs of scientific and technological innovation. In addition, the government needs to increase investment in technology innovation R&D institutions, and regard educational R&D institutions as engines of green economic growth and innovation venues, which can not only cultivate a large number of technical talents, but also provide abundant green employment opportunities for the development of institutions.

5.3. Improve Talent Guarantee and Industry-university-research Development Mechanism

Green technology innovation must take enterprises as the main participants, and innovative talents are an indispensable key force. The purpose of improving the talent security system is to provide a good communication platform for enterprise personnel participating in scientific and technological innovation, which requires in-depth research and thinking on the profit distribution mechanism of industry, academia and research. In order to make the green innovation system run smoothly and fully mobilize the enthusiasm of all parties, it is necessary to improve the allocation mechanism of innovation results. On this basis, by formulating a long-term green strategic plan and effectively implementing it, we can achieve rapid and accurate docking and communication between various green scientific and technological innovation entities. Through the research of this project, we will provide solid talent support for the green development of my country's scientific and technological innovation.

In the process of green technology innovation, all parties need to work closely together, which requires the connection with channels through the construction of relevant platforms. The construction of new green technology platforms needs to be achieved through various channels such as technology intermediary agencies and service agencies. To determine the growth foundation of green enterprises, we must first analyze the efficiency of resource allocation of the platform in which they are located. At present, most intermediary agencies have not yet broken away from the industrialization system of scientific and technological achievements. Therefore, in order to diversify and enrich the functions of university libraries, it is necessary to establish a scientific operation mechanism and clarify the role and positioning of university libraries in the market economy. In the process of institutional operation, intermediary agencies should play an important role in various innovation subjects, do a good job in information exchange and connection, and control the quality of good information to enhance the timeliness of information transmission between various subjects. Intermediary organizations should not only play their own role, but also promote the efficient allocation of information and resources between green innovation enterprises and scientific research institutes in Sichuan County, so as to improve the efficiency within the collaborative system and enable each subject to achieve its own goals.

5.4. Cultivating a Green Consumer Market

County governments in Sichuan actively responded to the country's call for supply-side structural reform, aiming to achieve green economic development. Seeking a balance between green development and green consumption, the government took advantage of the growth of consumer demand for green products and forced the adjustment of production structure to promote green technology innovation and the transformation of traditional consumer industries. This consumption model that meets the needs of green development has actively promoted the healthy development of the economy. Therefore, in order to achieve the transformation of new and old economic drivers, Sichuan counties must deeply explore the positive role of green consumption in promoting green technology innovation, and effectively apply it to actual production activities, promote the transformation of economic development mode, optimize economic structure, and transform economic growth momentum.

Science and technology is a kind of productivity and a driving force for enterprises to develop in the "green" direction. Green technology innovation is the core ability of enterprises to gain a foothold in the green product market, which is directly related to the scale and benefits of enterprises. In the process of building a green consumption model, the green technological innovation of enterprises should be regarded as the primary task, and the green scientific and technological achievements should be effectively transformed into green products that meet market demand. Enterprises should pay attention to the awareness of green technological innovation, continuously invest in and research green production technology, update production technology in a timely manner, reduce production costs, and obtain maximum benefits. We must take the path of conservation and green sharing development and apply green technology to the development of green products of enterprises. At the same time, enterprises should also give play to their own advantages, grasp their core factors, carry out green technology innovation, make them independent in research and development, and thus consolidate their leading role in green technological innovation. The company will actively guide green technology innovation, lay a solid foundation for the green transformation and development of the national economy, and form a complete green production process system. The successful construction of green products requires green products to be low-priced, high-quality, and rich in variety. To this end, enterprises should attach importance to the formulation of talent strategies, the cultivation of scientific and technological talents, and the cultivation of scientific and technological talents. Establish their own research team to provide strong support for the company's technological innovation and product development. The company is committed to technological innovation to better meet the needs of customers, thus forming a virtuous interactive production and consumption cycle, thus ensuring the healthy development of green consumption.

6. CONCLUSION

Green technological innovation is an expansion and improvement of technological innovation. It is a new form of technological innovation from the perspective of ecological civilization and can provide an important driving force for the green development of our country's economy. Sichuan counties currently still have deficiencies in policy support, enterprise innovation, talent development, and legal systems in terms of technological innovation. Therefore, based on the strategic background of the new regional development pattern of "one trunk, multiple branches, five districts synergy", it is also necessary to take measures to improve finance and taxation policies, promote green innovation and other related measures, thereby promoting high-quality green development in Sichuan counties and the province.

CONFLICTS OF INTEREST

No potential conflict of interest was reported by the authors.

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