

Discussion on the Rural Landscape Design from the Perspective of Cultural Ecology

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Abstract: Under the background of the rapid development of urbanization, rural landscape design has gradually become an important means to promote rural rejuvenation, protect the ecological environment and inherit regional culture. Based on the perspective of cultural ecology, this paper discusses the concepts, principles, methods and practice cases of rural landscape design, aiming to realize the sustainable development and harmonious coexistence of rural landscape by integrating natural ecology and cultural characteristics. Through the combing of relevant literature and the analysis of typical cases, this paper proposes the strategy of rural landscape design from the perspective of cultural ecology, so as to provide reference and reference for the future rural landscape design.

Keywords: rural landscape design; cultural ecology, natural ecology, cultural inheritance and sustainable development

1. Introduction

With the acceleration of the urbanization process, the rural areas are facing multiple challenges such as ecological degradation and cultural loss. As an important part of rural development, rural landscape design is not only related to the protection and restoration of the ecological environment, but also related to the inheritance and development of regional culture. The perspective of cultural ecology emphasizes the full consideration of the integration of natural ecology and cultural characteristics in the landscape design, so as to realize the comprehensive revitalization of the countryside.

2. Cultural ecology and rural landscape design

Cultural ecology refers to the regional, unique and dynamic cultural system formed by the interaction of human beings with its natural environment and social environment[1]. It covers material culture, non-material culture and ecological environment, and is an indispensable element in rural landscape design. Rural landscape design is not only the transformation and beautification of the rural environment, but also the reconstruction and protection of the rural cultural ecology. Through the design, the rural regional culture can be excavated and inherited, the restoration and protection of the ecological environment can be promoted, the cultural confidence and sense of belonging of the rural residents can be enhanced, and then the sustainable development of the countryside can be realized[2].

3. Principles of rural landscape design from the perspective of cultural ecology

The principle of ecological priority, in the rural landscape design, should always adhere to the principle of ecological priority, respect the natural law, and protect the ecological environment. Through scientific and reasonable planning and design, the harmonious coexistence of rural landscape and natural environment can be realized[3]. The principle of cultural inheritance, the rural landscape design should deeply explore and inherit the rural regional culture, including the architectural style, folk customs, historical relics, etc. Through the design, the rural landscape will become the carrier of cultural inheritance and enhance the cultural charm of the countryside[4]. People-oriented principle, rural landscape design should fully consider the needs and feelings of residents, and pay attention to improving the quality of life of residents. Through the design, create a comfortable, convenient and safe rural living environment to improve the residents' happiness and satisfaction. The principle of sustainable development, the rural landscape design should pay attention to the sustainable development, and realize the coordination and unity of economic benefits, social benefits and environmental benefits. Through scientific planning and design, we will promote the transformation and upgrading of rural industries and promote the sustainable development of rural economy.

4. Method of rural landscape design from the perspective of cultural ecology

To excavate the regional cultural characteristics, in the rural landscape design, we should deeply excavate the rural

regional cultural characteristics, including the architectural style, folk customs, historical culture and so on. Through the design, these cultural elements are integrated into the landscape, making the rural landscape has distinct geography and uniqueness. To protect the ecological environment resources, in the rural landscape design, attention should be paid to the protection of the ecological environment resources, including water resources, land resources, biological resources, etc. Through scientific and reasonable planning and design, the restoration and protection of the ecological environment can be realized, and the quality of the rural ecological environment can be improved.

Integrating innovative design concepts, in the rural landscape design, innovative design concepts should be integrated to combine modern design elements with traditional cultural elements. Through the design, the rural landscape with both the modern sense and the charm of the traditional culture is created to enhance the overall image of the countryside. Strengthen the awareness of community participation, in the rural landscape design, we should pay attention to strengthening the awareness of community participation, and encourage residents to actively participate in the landscape design and maintenance. Through community participation, residents will become the main body and beneficiaries of rural landscape design, and residents' sense of identity and belonging to rural landscape will be enhanced.

5. Typical case analysis

Case 1: Harvest Garden, Meizhou City, Guangdong Province

Harvest Park in Meizhou City, Guangdong Province is a comprehensive landscape garden project integrating agricultural experience, ecological protection and cultural inheritance. The project is located in the suburb of Meizhou city. Relying on the local rich agricultural resources and profound farming culture, through innovative design concept, and successfully integrating farmland art, farming park and other elements into the landscape design, it has become a unique model of rural landscape. The design concept of the harvest Garden is "the harmonious coexistence between natural ecology and cultural characteristics". The design team is committed to excavating and inheriting the farming culture of Meizhou area on the basis of protecting the natural ecosystem culture, and realizing the perfect integration of culture and nature by means of landscape design. The main objectives of the project include: to restore and improve the quality of the local ecological environment, inherit and promote the farming culture, promote the integrated development of agriculture and tourism, and improve the quality of life and cultural confidence of rural residents.

Farmland art area, the core area of the Harvest garden is the carefully arranged farmland art area. The design team uses different colors of crops, such as rice, corn, and rape, to create colorful patterns and landscapes in the farmland. These patterns include traditional farming patterns, local characteristic symbols and modern art elements, which not only show the unique charm of farming culture, but also add to the artistic atmosphere of the rural landscape. The construction of the farmland art area not only beautifies the environment, but also attracts a large number of tourists to watch and experience. Farming Park, In order to enhance the sense of participation and interaction of tourists, the Harvest Park has set up a farming park area. Here provides a variety of agricultural experience activities, such as rice transplanting, harvesting, agricultural products processing and so on. Visitors can personally participate in farming activities and feel the charm of traditional farming culture. At the same time, the farming park also has an exhibition area for traditional farm tools, showing a variety of ancient farming tools, so that visitors can understand the farming history and culture in the experience.

Ecological protection and restoration, the harvest garden fully considers the importance of ecological protection and restoration in the design. Through extensive planting of native plants and building ecological buffer zones, the project has effectively restored the local ecosystem and increased biodiversity. At the same time, the project also pays attention to the protection and utilization of water resources, the construction of ecological wetland and rainwater collection system, to realize the recycling and purification of water resources. Cultural inheritance and display, in addition to farmland art and farming park, the harvest garden also inherits and displays the farming culture through various other ways. For example, there is a farming culture museum in the park, which shows the development of farming history and culture in Meizhou. Meanwhile, farming culture festivals, such as harvest festival and transplanting festival, are held regularly to help visitors have a deeper understanding of farming culture and rural life.

The construction of the harvest garden has not only improved the local ecological environment quality and cultural atmosphere, but also brought significant social and economic benefits. Through the integrated development of agriculture and tourism, the project has attracted a large number of tourists to come for sightseeing and experience the farming culture, driving the prosperity of local tourism. At the same time, the project also provides employment opportunities and platforms for local residents to start businesses, and promotes the sustainable development of rural economy. By skillfully integrating farmland art into the design, the harvest garden creates a rich and colorful farming landscape, and realizes the harmonious unity of farmland art and natural landscape. At the same time, through the establishment of the farming park, it promotes the

inheritance of culture and the interaction between agriculture and the community. In terms of ecological conservation, the harvest gardens is widely planted with indigenous plants, restoring ecosystems and increasing biodiversity.

6. Conclusion and Outlook

Rural landscape design from the perspective of cultural ecology emphasizes the integration of natural ecology and cultural characteristics, aiming to realize the sustainable development and harmonious coexistence of the countryside. By exploring regional cultural characteristics, protecting ecological and environmental resources, integrating innovative design concepts and strengthening the awareness of community participation, a rural landscape with both modern sense and traditional cultural charm can be created. In the future, we should continue to deepen the research and exploration of rural cultural ecology, and promote the continuous innovation and development of rural landscape design.

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