

Research on the Design of Rural Plant Landscape Art

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ABSTRACT

The design of rural plant landscape art aims to create a rural environment that harmoniously coexists with nature and has unique regional characteristics. Designers can create a beautiful and comfortable space through the reasonable plant configuration to enhance the overall image and quality of the countryside. At the same time, the plant landscape has ecological functions such as regulating climate, purifying air, conserving water and soil, which is of great significance for maintaining the rural ecological balance. This paper focuses on the research of rural plant landscape art design, and puts forward specific design strategies, which are to strengthen the preliminary investigation and formulate the rural plant landscape planning scheme; combine the landscape theme and select plants with regional characteristics; pay attention to the management and maintenance and achieve the sustainable development of rural plant landscape.

KEYWORDS

Rural landscape; Landscape art; Art design; Strategies

The 20th National Congress of the Communist Party of China pointed out that efforts should be made to build a “harmonious countryside that is suitable for living and working” ^[1]. Both the construction of the harmonious countryside and the implementation of the rural revitalization strategy should adhere to the basic principle of “adapting to local conditions”, carry out the reasonable planning and layout of the rural areas, and promote the increasingly better rural ecological environment ^[2]. In this context, the design of rural plant landscape art has become an important research field. The design of rural plant landscape art can not only beautify the rural environment, but also improve the rural ecological environment and promote the rural economic development. Therefore, the article conducts an in-depth research on the design of rural plant landscape art, and put forward targeted strategies in order to accelerate the pace of harmonious countryside construction and facilitate the smooth realization of the rural revitalization.

1 Strengthen the Preliminary Research and Formulate the Rural Plant Landscape Planning Scheme

In the design of rural plant landscape art, preliminary researches and plans are crucial. They are not only the cornerstone of the design, but also the key steps to ensure the successful implementation of the project ^[3]. The reason is that only by deeply understanding the rural

environment, cultural background and residents' needs, can we design a plant landscape that is both aesthetic and practical.

First, it is necessary to go deep into rural areas and strengthen on-site researches. Landscape designers should go deep into the rural areas, strengthen the detailed investigation and analysis of local natural factors such as topographic features, soil types and climate conditions, understand the local natural conditions and ecological environment, and make adequate preparations for the selection of plant varieties suitable for local growth in the later stage, so as to avoid the poor growth or death of selected plants due to environmental or climate adaptability problems. At the same time, it is necessary to understand the structure and function of the rural ecosystem, and focus on analyzing the composition, distribution and succession law of the plant community, so as to provide scientific basis for the later design of the plant landscape, and ensure that the designed scheme conforms to the ecological law and maintains the ecological balance of the countryside. In addition, it is necessary to understand the local traditional customs and agricultural activities to ensure the perfect integration of landscape design and rural human life.

Secondly, the rural plant landscape planning scheme should be formulated according to the research results. In order to ensure that the designed rural plant landscape can not only meet peoples aesthetic needs, but also achieve ecological, economic, social and other benefits, designers should fully consider the actual situation of the countryside when carrying out landscape design, formulate a reasonable rural plant landscape planning scheme based on the research results, and clarify the theme and style of plant landscape design. First of all, the landscape theme is the core of the rural plant landscape, which can reflect the characteristics and cultural connotations of the countryside. Designers can determine the landscape theme according to the historical culture, natural scenery, industrial characteristics and other factors of the countryside. For example, the rural plant landscape with farming culture as the theme can choose to plant rice, wheat, vegetables and other crops to create a pastoral atmosphere, and the rural plant landscape with the theme of water village culture can choose to cultivate aquatic plants such as lotus root, lotus flower and calamus to create a landscape with water village characteristics ^[4]. Secondly, the style of rural plant landscape should be coordinated with the overall style of the countryside, and the functions of the landscape and the needs of the audience should be considered. The common styles of rural plant landscape include natural style, pastoral style and rural style. Designers should reasonably determine the style of rural plant landscape based on the research results, so as to unify the style with the actual situation of the countryside. Finally, the functions of rural plant landscape, such as the ecological function, landscape function, cultural function and economic function, should be reasonably defined. In the planning scheme, designers should clarify the specific function of the landscape according to the actual situation and needs of the countryside. For example, in the ecologically fragile rural areas, the ecological function of plant landscape can be put in the first place, and the ecological environment can be improved by planting vegetation. In rural areas with abundant tourism resources, the landscape function and the cultural function can be combined to create attractive tourist attractions.

2 Combine the Landscape Theme and Select Plants with Regional Characteristics

In the design of rural plant landscape art, a successful design not only needs the aesthetic consideration, but also needs to dig deeply and embody the essence of local culture. Therefore, in the process of rural plant landscape art design, designers should closely combine the landscape theme and local unique plant resources and ecological environment, and select plants with regional characteristics and suitable for local climate environment.

First, it is needed to give priority to native plants and ensure the adaptability and stability of plants. Each village has its unique geography, climate, vegetation and other natural conditions, and has unique regional characteristics and cultural connotations, so designers should combine the landscape theme, select suitable for the local environment and representative plants to build a rural plant landscape with regional characteristics. For example, in the waterside villages of Southern Yangtze, designers can choose aquatic plants such as lotuses, water lilies and so on to reflect the clarity and tranquility of the water. In the northwest grassland areas, designers can choose drought-resistant and cold-resistant plants such as populus euphratica and desert cistanche to reflect the resilience and tenacity of the grassland. At the same time, the selection of native plants is also out of the consideration of maintaining the stability and balance of the ecosystem, because the unauthorized introduction of exotic plants, although they are suitable for local climatic conditions and natural environment, may break the balance of the local ecosystem and destroy the local ecological environment. Therefore, designers should combine the landscape theme and give priority to native plants with characteristics.

Second, it is necessary to select suitable plants according to the theme and style of the landscape to create rich and diverse landscape effects. In the rural landscape art design, plants play a vital role. They are not only an important element of environmental beautification, but also a key tool to build a unique space atmosphere and express design concepts. When designing the rural plant landscape, first of all, designers need to deeply understand the landscape theme and style, and skillfully use the form, color and florescence of plants to create rich and diverse visual effects and ecological experience. For example, the landscape with natural ecology as the theme can choose some wild plants and native tree species to create a natural and wild atmosphere, and the landscape with history and culture as the theme can choose some plants with historical and cultural values, such as ancient and famous trees, traditional flowers, etc., to reflect the cultural heritage of villages^[5]. Secondly, designers need to introduce different forms of plants to enrich the sense of landscape hierarchy. For example, the tall trees, low shrubs and cover plants can form a high and low landscape, so that people's vision is undulating and rich spatial three-dimensional sense can be achieved. At the same time, some climbing plants such as Boston ivy or wisteria can be selected to cover the walls or structures cleverly to add the dynamic beauty, create an atmosphere of harmonious coexistence between man and nature, and give the countryside endless beauty. Finally, according to the natural conditions and humanistic characteristics of the countryside, designers can flexibly use regular, natural, mixed and other layout techniques to form a landscape space full of changes. In the regular layout, designers can arrange the plants in rows to form a neat and uniform space effect, and highlight the sense of tidiness and order. In the natural layout, designers can simulate the natural ecological environment, rationally allocate plants, and make their distribution rich in layers and fluidity, so as to show a unique natural beauty. In the mixed layout, designers can combine the regular layout and the natural layout, so that the designed plant landscape not only reflects the beauty of order, but also shows the charm of nature.

3 Pay Attention to the Management and Maintenance and Achieve the Sustainable Development of Rural Plant Landscape

Rural plant landscape art design is not only conducive to improving the aesthetic degree of rural environment, but also conducive to promoting the rural ecological protection and sustainable development, which is an important way to achieve the rural revitalization strategy. However well-designed landscape art works are not static, they will experience growth, development, decay and even death with the change of the four seasons. But if not managed and maintained, the beauty of

rural plant landscape will be difficult to last, and its own ecological value will be greatly reduced. Therefore, when designing the rural plant landscape art, on the one hand, designers should maintain the beauty and ecological value of plant landscape from the aspects of making plans and selecting plants, and on the other hand, they should promote the sustainable development of rural plant landscape through the careful conservation and thoughtful management.

First of all, management and maintenance should be considered in the design stage^[6]. In the process of rural plant landscape design, designers should consider the adaptability, durability and ecological balance of the landscape at the conception stage, and select local plants with the strong adaptability, rapid growth and easy maintenance in combination with the research results and landscape themes, which can not only ensure the artistic effect of the landscape, but also reduce the pressure of later management.

Secondly, localization and ecological priority should be emphasized in the implementation process. In the selection and introduction of plants, designers should maintain the beauty of the landscape while choosing plant species with local regional characteristics as much as possible, which can not only reduce the introduction cost, but also enhance the harmonious coexistence of landscape and environment, and is conducive to the protection of biodiversity. At the same time, designers should reasonably arrange the plants to avoid a single plant population and improve the stability of the ecosystem.

Finally, it is necessary to do a good job in the management and maintenance of rural plant landscape. Good maintenance and management is the key to ensure the healthy growth of plants. In the design of rural plant landscape art, designers and horticulturists should formulate scientific maintenance and management plans according to the growth needs of plants, and fully clarify the details of watering, fertilization, pruning, pest control and so on. At the same time, designers and horticulturalists should strengthen the monitoring and evaluation of plants, find problems in time and take corresponding measures to ensure the healthy growth of plants and prevent the spread of diseases and pests. In addition, the publicity and education should be strengthened to enhance the public's environmental awareness and cultural literacy, and encourage the public to actively participate in the design, management and maintenance of rural plant landscape art, so as to achieve the sustainable development of rural plant landscape.

4 Conclusion

To sum up, the design of rural plant landscape art meets the requirements of China's ecological civilization construction and rural revitalization and development. Designers need to be deeply aware that the rural plant landscape is not simply a technical accumulation, but an organic combination of art and ecology. The selection, layout and configuration of plants should not only follow ecological laws, but also reflect local characteristics and cultural connotations, so as to build a vivid pastoral poem and painting, and add new colors to the construction of a beautiful and livable countryside.

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