

Research on Ecological Garden and Landscape Art Design

Zhenping Xia¹, Hu Zijian²

¹Beijing Vocational College of Agriculture, Beijing, China

²Fengtai Greening Team of Fengtai District Landscape and Greening Bureau, Beijing, China

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Abstract: With the rapid increase of urban population and the prosperous development of society, urban landscape design has become an important part of urban development planning. In the practical application process, landscape art design plays a vital role in the daily operation of the city and the life of the public. Therefore, this paper first elaborates on the related concepts of ecological garden and landscape art design, and points out the shortcomings of landscape art design under ecological garden at present, and then puts forward a new way of landscape art design under ecological garden, which can provide theoretical guidance for Chinese ecological garden landscape design and help to enhance landscape. To improve the quality of landscape art design and its value to the public.

1. Research background

1.1 Literature review

With the increase of China's population and the acceleration of urbanization, public activities have interfered with natural resources and the environment. Among them, man-made destructive factors also pose a certain threat to the balance of the environment. Therefore, the relationship between human beings and the natural environment has become one of the key issues in China (Sun, 2016). The sustainable development of a country needs to respect the laws of nature, and the protection of the environment is the primary consideration for any investment. Therefore, the planning of a city must follow this principle. Eco-gardening generally refers to the urban greening workers in the landscape design and ecological principles, based on the full use of a variety of plant communities, to play its ornamental. Through the combination of specific ways and laws, it can integrate into the natural environment and improve the urban environment (Li, 2014). In order to have a better visual effect, in the ecological garden and landscape art design, the use of ornamental plants for the corresponding combination, effective deployment. When deploying, we need to follow the natural law, which is based on the natural climate and soil characteristics, so as to improve the survival rate of plants and the quality of landscape design (Peng and Guo, 2015). Eco-landscape design and landscape art design have economic and social benefits. With the improvement of people's living standard, the pursuit of being close to nature is also increasing. Eco-garden and landscape art design can provide an important place for people to enjoy leisure and sightseeing (Liu, 2015). At the same time, a good landscape design can calm down the public to enjoy the beauty of nature, and quickly get rid of the psychological pressure brought by the fast-paced life of the city. However, there are many shortcomings in the development of landscape design in China. Therefore, based on the previous research results and related literature, this paper puts forward new ways to improve the ecology of landscape art design, strengthen the uniqueness and ornamentality of landscape art design. By improving these indicators, the balance of urban ecosystem can be maintained, and the uniqueness and ornamentality of the city can be highlighted.

1.2 Purpose of research

With the rapid development of China's overall social economy, the level of daily life of residents has also been significantly improved. Therefore. The public's pursuit of spiritual level is also increasing, including the improvement of attention to the living environment. Ecological garden and

landscape design is one of the important means to improve the living environment of the public. With the help of landscape art design, we can create a comfortable environment for the public, maintain the balance of the ecological environment, and strengthen the uniqueness of the city. However, due to the problems of poor practicability, blind imitation design and poor coherence in the current landscape art design work, the original value of landscape art design has not been brought into play. Therefore, on the basis of previous studies, this paper further explores new ways of landscape art design under ecological gardens, in order to promote the continued development of landscape design work.

2. Overview of related theories

2.1 Ecological Garden

Eco-gardening is a new concept sprouted from the development and inheritance of traditional gardens on the basis of their experience. Eco-gardening is to follow the principles of ecology, and then build multi-level, multi-functional, multi-structure, scientific plant communities, so as to establish a new order of human beings, animals and plants. In order to achieve ecological beauty, cultural beauty, artistic beauty and scientific beauty. Eco-gardens need to rely on scientific allocation to provide a virtuous circle of living environment for residents' lives by establishing a reasonable nutritional structure, time and spatial structure, and by means of artificial plant communities (Yue and Chen, 2014). Ecological gardens can make full use of green plants and convert solar energy into chemical energy, so as to realize the utilization of solar energy and the conversion of biological energy. These green plants can also absorb harmful substances in the environment, play a role in purifying the air and maintaining the balance of the ecological environment (Han and Feng, 2010). In addition, ecological gardens can also improve the local ornamental value and provide more spiritual value for the public.

2.2 Landscape Art Design

Landscape art is a highly applied discipline based on a wide range of humanities, arts and natural sciences. Landscape art is mainly made of raw materials and other light bone materials. Its color and texture are realistic, durable, low maintenance cost, and it can also play an anti-theft role (Jiang, 2019). Because of these characteristics, landscape art can be very harmonious with the natural ecological environment. Among them, imitating wood and imitating stone landscape art can satisfy the daily landscape greening facilities, also has the practical function of outdoor leisure goods, and can beautify the environment. Therefore, landscape art can add a strong artistic flavor to the cultural square, and it is also widely loved by people.

3. Deficiencies in landscape art design under current eco-gardens

3.1 Poor practicability

At present, there are some flamboyant problems in Chinese landscape design. Designers do not consider the actual operational capacity, blindly pursuing the landscape and parade, resulting in the surface seems to be able to implement, but in the specific process of practice is always difficult (Li, 2011). The main reason for this problem is that the designer did not take the scientific design law as the basis, and the design work deviated from the actual situation. In a state of irresponsibility for their own design, they only design landscape design drawings for the purpose of intersection. Such landscape design is difficult to ensure the smooth implementation of the specific work, can not guarantee the quality of the project (Zhu, 2015). Designers do not use scientific concepts as support, and do not hold a rigorous and serious attitude to landscape design, which will lead to a lot of waste of human, material and financial resources, and will have a negative impact on social development.

3.2 Blind imitation is common

In the landscape design work, imitation is inevitable, but because of the transition imitation of

some design designs, the original reference work has turned into blind imitation. Excellent landscape design works can provide valuable reference for designers. Designers can choose appropriate reference according to practical problems. However, if this imitation ignores the actual situation and blindly imitates, it will become a problem of plagiarism. At the same time, blindly imitated landscape design works will make the landscape design under ecological gardens lose its bright spot, unable to attract attention, so there will be no ornamental value. Landscape design, which is not based on reality, will also make the vitality of plants fragile and lead to the waste of human and financial resources (Li, 2017).

3.3 Insufficient coherence

At present, from the perspective of landscape art design under ecological gardens, there are a lot of problems of excessive pursuit of aesthetic value and scale. Therefore, landscape design work only stays on the surface, and can not meet the real needs of residents' lives from the perspective of practical value. For example, in the construction of city squares or comprehensive parks, the design of details should not be neglected because of the haste of time. We should not only pursue the length of construction time, but also reduce the time cost of actual design work. If designers do not have enough time to design, they will have an impact on all the steps in the later stage, so they can not achieve high-quality landscape design work.

4. New ways of landscape art design under ecological garden

4.1 Improving the ecology of landscape art design

Improving the ecology of landscape art design is the key development direction of landscape art design under ecological gardens. It is well known that the environment will affect people and people will also have an impact on the environment. With the acceleration of urbanization in China, the intervention of man-made factors on the natural ecological environment is becoming more and more obvious, which has damaged the original ecological environment to a certain extent. The faster the city develops, the more land resources it occupies. In the process of urban construction, the damage to the ecological environment caused by various works is becoming more and more obvious. In the normal operation of the city, there will inevitably be a lot of pollution, including vehicle exhaust, household garbage, water pollution, air pollution, light pollution and so on. Although the ecological environment has a certain self-regulation function and flexibility, when the degree of destruction caused by human factors exceeds the ecological environment's own bearing capacity and carrying limit, in turn, it will bring inconvenience to public life and affect human development. Therefore, green environmental protection, energy saving and emission reduction are the themes of the development of the new era in China. More and more people have a certain understanding of environmental protection, but also realize the importance of environmental protection. Landscape art design under ecological gardens should be based on the ecology of the city, improve the microcirculation of the city, in order to maintain the balance of the urban ecosystem.

4.2 Highlighting the uniqueness of landscape art design

China has a long history. In the long history, under the influence of topography, culture and property, different regions have gradually formed different characteristics. These characteristics have left unique historical and cultural symbols for the locality and represent the local humanities. Landscape art design can reflect the characteristics of different regions and the individuality of different cities. With the rapid development of market economy, economic and cultural exchanges among regions are becoming more and more frequent. In the long-term exchange process, the unique regional characteristics are gradually developing towards homogeneity, and the local characteristics are gradually weakening. For example, when foreign tourists come to China and travel through different cities, other humanities and cultures are much the same except for the signs of the local cities, and there are almost no differences. Therefore, the landscape design work under

the ecological garden should improve the uniqueness of the design. In the landscape design work, local characteristics are integrated, including human history, customs and human feelings and other aspects. For example, the ancient capital Yueyang incorporates historical and cultural factors into its design, with peony flowers as city flowers. Every April, a large number of tourists pour into Luoyang to enjoy the grand peony flowers. Through landscape design, it highlights the city's uniqueness, meets the public's leisure and entertainment, shapes the city's spiritual civilization, and protects the ecological environment, so as to improve the city's popularity and uniqueness.

4.3 Improving the appreciation of landscape art design

As we all know, in landscape design work, designers can exert their design talents. Through the design work to optimize the urban landscape design, to achieve a substantial increase in the city's ornamental. According to the city's development plan and the characteristics of the environment, the design of landscape art in line with the local design. In the process of landscape art design, the structure and greening degree of urban landscape should be emphasized. Human beings have natural attributes and desire to be close to nature. Therefore, they all yearn for the living environment of birds and flowers. And the visual system can get the external information most intuitively and convey it to the human brain. Because of the fast pace of urban life and the pressure of competition, the public's psychology is to some extent depressed. These negative emotions need to be vented through the stimulation of external things. Therefore, the use of landscape art design to provide the public with high ornamental works of art, to give the public a pleasant feeling, can reduce the probability of urban residents suffering from "urban disease". Landscape art design with high ornamental value can bring pleasure and pleasant experience to people's life. Therefore, improving the ornamental value of landscape art design to meet the spiritual needs of the public is one of the key tasks to be considered in the field of landscape art design.

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