

Interpretation of Ecological Ideas in Environmental Art Design

Zhao Bin

Weinan Normal University, Weinan, 714099, China

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Abstract: Under the background of rapid development of society and economy, people's living standards and the requirements of the surrounding living environment are constantly improving. On the basis of meeting the basic material life, people pay more attention to spiritual enjoyment, and their awareness of ecological environmental protection is also increasing. However, influenced by the development of industrialization nowadays, various pollution incidents occur frequently, which brings great troubles to people's lives. This also requires that in the process of urban development and construction in the future, it is essential to integrate ecological ideas, so as to promote the harmonious coexistence of society and nature, accelerate the ecological construction of the city, and construct a healthier, cleaner and better urban living environment for people. Therefore, it is of necessity to analyze the application of ecological ideas to environmental art design from the practical point of view.

1. Summary of Environmental Art Design

Environmental art design, in fact, combines three important elements of environment, art and design to achieve mutual connection and integration. Environmental art mainly refers to the creation of various forms of art based on the natural environment to meet people's various needs, so as to achieve the coordination among human, society and nature, and create a more suitable living environment for human survival. It is a kind of art that integrates science and technology, nature and human subjective consciousness. In the process of design, the expression of art still depends on the application of realistic materials, including the above elements, thus achieving better design results. If the above ideas are followed, then environmental art design mainly means a kind of art with the external space art environment as the main content which is ultimately created by using various elements in life in a specific area in a more artistic way with comprehensive layout in design. If analyzed in a broad sense, this kind of design involves many categories and covers a wide range of areas. If analyzed in a narrow sense, its professional content is more focused on space form design represented by the interior and architecture.

2. Basic Characteristics of Ecological Ideas

Ecological ideas came into being in the new era. With the rapid development of economy, a series of environmental problems also arise. In the long-term situation of neglecting ecological protection, the natural environment of our country has also been greatly damaged. The emergence of ecological ideas clarifies the importance of environmental protection and social development, providing a broad direction and an important symbol of people's ideological progress. At present, the basic characteristics of ecological ideas are mainly concentrated in the following aspects. Firstly, high efficiency. This feature mainly refers to that in the process of development, waste should be avoided as much as possible, so as to reduce waste of resources and improve the effective utilization of resources. This feature is particularly applicable to the protection of some non-renewable resources. Secondly, continuity. In environmental art design, the sustainability feature not only meets people's personal needs in the layout structure, facilities, design ideas, etc., but also takes into account the future development factors, so that the ecological value and social value of environmental art design is improved. Thirdly, diversity. The key to achieve diversity is to give full play to innovative thinking in the process of environmental art design, to promote

consumers' desire to buy, and to promote consumers' active consumption, thus preventing the possibility that the extension of consumption may cause greater damage to the natural ecological environment. Fourthly, circulation. It is actually a kind of reuse of resources, which makes pollutants automatically be digested or decomposed. In environmental art design, the system is always in a closed cycle state, which maximizes the effective use of resources. It can be said that it is the best embodiment of the ecological concept.

3. Application Principles of Ecological Ideas to Environmental Art Design

3.1 Scientific Guiding Principles

Now is the era of science and technology. Science and technology have become the first productive force to promote social production. Therefore, in the process of environmental design, scientific guidance must be taken as the primary principle to make environmental art design more modern, advanced and epochal. The application of modern technology can not only improve the scientific and technological level of environmental art design itself, but also further implement the ecological ideas by making use of modern technology, so that the design effect will meet the development needs of the current era better.

3.2 Minimum Intervention Principle

Under the function of ecological ideas, in the process of environmental art design, it is essential to follow the general law of the natural environment as far as possible and reduce the external interference to the design as a whole, so as to ensure that the design products have many characteristics of the original natural environment. However, affected by many factors, in the actual process of environmental art design, it can not completely guarantee that the site and environment will not be affected, or the impact on the local environment can be accurately controlled and calculated. Therefore, in the future, environmental art design still needs to be further improved and adjusted, so that it can really realize the ecological value.

3.3 Principle of Natural Self-development

Because nature itself has a strong repair function, it is of necessity to consider more about the nature's own attributes in the design process and then, from a practical point of view, make effective use of the nature's own attributes, so as to ensure that the ecological environment can be accelerated under the assistance of human beings and speed up the process of environmental protection. This principle also improves the requirements of environmental art design to a certain extent. Designers are required to constantly improve their own technology and expand their thinking in the future, thus ensuring that environmental art design is more in line with the development needs of the natural environment.

4. Application of Ecological Ideas to Environmental Art Design

Based on the above analysis, the application of ecological ideas to environmental art design is in line with the current trend of the times and the theme of the times. It also requires designers to integrate ecological ideas from multiple perspectives and levels to improve the ecological value of environmental art design.

4.1 Choose Natural Materials

The application of ecological ideas to environmental art design determines the choice of materials to a certain extent. An environmental art designer must select materials from nature and take natural materials as the first choice for creation. At the same time, he should fully know the characteristics and use of these natural materials, and understand the basic processing technology and shape. Only in this way can he make full use of natural materials to complete the whole designwork, the creation process save resources as much as possible, and the security performance of resources itself be better guaranteed. This is also an important aspect of ecological ideas applied

to environmental art design, and a basic accomplishment for environmental art designers themselves.

4.2 Adopt Ecological Design Methods

The application of ecological ideas has improved the effective utilization of resources to the greatest extent, and at the same time has realized the transmission of a design concept. With the help of ecological design, the overall ecosystem of nature can be maintained and its development towards a more balanced direction can be promoted. Under such circumstances, animals, plants and so on in natural ecosystems will achieve diversified development, while non-renewable resources can also be protected, and be effectively utilized according to the needs of social production, so that resources provide greater support for the sustainable development of society. In order to better implement such a concept, environmental art designers need to choose ecological design methods from a practical point of view, reduce the negative impact of human activities on the natural environment with the help of ecological design, avoid serious waste of resources, improve the effective utilization of resources, and promote nature's ecosystems to be revitalized. For example, designers are suggested to design in some abandoned places, garbage dumps, or areas with relatively serious ecological damage to help restore the ecosystem in this area. In this process, designers are required to think about which ecological way should be built scientifically so as to obtain abundant returns with minimum consumption and realize the transformation of the natural ecological environment.

4.3 Emphasize the Development and Utilization of Ecology

In modern society, the waste of resources is very serious, a large part of which has been abandoned without effective utilization. This will not only affect environmental construction, but also cause a waste of resources, which is not conducive to the sustainable development of society. Therefore, in the process of environmental art design, designers need to respect the objective law of nature's own development, make rational use of nature's ecological resources, and recycle and utilize some waste materials, so as to reduce the degradation burden of nature, fully reflect the cyclical characteristics of ecological ideas, and contribute to the harmonious coexistence of man, society and nature.

4.4 Strengthen Environmental Protection

At the present time when the natural environment is being destroyed day by day, the environmental protection work must be further strengthened so as to provide greater help for restoring the ecological environment and maintaining the balance of the ecological environment. Designers must incorporate ecological ideas into innovative design to achieve the availability and protection of resources and promote the development of biodiversity. As far as the development of science and technology in China is concerned, there are many technological means. Although environmental art design needs to follow scientific guiding principles, in actual design, scientific and technological applications can not persecute the natural environment. Designers should be aware of this. While giving consideration to scientific guiding principles, they should also follow the principle of minimum intervention and natural self-development. They are suggested to adopt some green and environmental protection technologies to carry out environmental art design. While improving the ornamental value of the design itself, it also improves its social and ecological value, so that environmental protection can be effectively carried out in environmental art design.

The process of environmental art design includes the concept of sustainable development. Taking ecological ideas as guidance can effectively protect natural resources, energy and species in the natural environment, promote the balanced development of the ecological environment, and improve the sustainable development ability of the ecological environment. In recent years, people's awareness of environmental protection has been increasing. How to better achieve the goal of protecting the ecological environment in the process of environmental art design has become an increasingly concerned issue. The practical application of these ideas is becoming more and more common in life, such as ecological resorts and original forest parks.

4.5 Realize the Integrated Design of Ecology and Innovation

In nature, there are many characteristics and life activities. However, due to the invasion and destruction of human activities, it has been difficult for this area to repair through its own repair capacity. Therefore, in order to protect the region's own characteristics and ecological characteristics in the design process, designers need to consider to integrate ecology itself and environmental art design in the case of retaining the original ecology, to make innovative attempts and innovative designs, and to help it restore its original repair capacity. Therefore, in the design process, designers should pay attention to the understanding of the surrounding environment, the deeper and more detailed analysis of the natural characteristics, as well as additional creation on the basis of retaining the original elements of nature, so as to make the overall design more in line with regional characteristics and the characteristics of the natural ecological environment. The two should be designed comprehensively and the ecological concept needs to be carried out to the end.

5. Conclusion

In summary, with the deterioration of ecological environment, people have realized the important role of environmental protection and the urgency of strengthening environmental protection and advocating ecological concept. Therefore, in the future environmental art design, designers should try their best to integrate ecological ideas into it by choosing natural materials, promoting ecological design methods, stressing the development and utilization of ecology, strengthening environmental protection, realizing the comprehensive design of ecology and innovation and integrating ecological ideas into it better, so as to create a better living environment and promote people's ecological ideas and consciousness to further create strong conditions for the harmonious coexistence and common development of people, society and nature in the future.

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