

# Research on Ecological Analysis of Environmental Art Design

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**Abstract.** With the continuous improvement of economic level, environmental quality has undergone major changes, environmental damage and pollution to people's lives has brought adverse effects. In order to seek to improve the environment, the design of environmental art has aroused people's attention. The study of ecology in environmental art design mainly refers to the design of environmental art through the improvement and innovation to reduce the damage to the environment and the adverse effects.

## Introduction

Ecological, and its different industries have different understanding and view, and environmental art design ecological concept refers to people need to comply with the natural environment of the ecological development of their own laws and their natural principles, and then people living in the environment and the structure of living art design. With the continuous development of industrialization, people living in the environmental ecology have been seriously damaged, so most of the places to join the green activities of the environment, people have gradually attached importance to the concept of environmental art design ecology. With the rapid development of modern society, the application of ecological concept in environmental art design has become an inevitable trend. Only by fully understanding the ecological concept of environmental art design and changing the traditional art and design pattern, so as to improve the ecological environment as much as possible.

Environmental art design is a space art, but also part of the human living environment system. In the era of industrial civilization, the creation of human living environment is mainly to undermine the environment at the expense of the development of natural resources. Modern decorative design uses a lot of wood and marble and other materials, the use of non-renewable resources is too large, this design of the construction industry's long-term sustainable development is extremely unfavorable. The current society there is blind pursuit, novel, fashion and other atmosphere, when you see the new or like the design style, people do not hesitate to replace the existing decoration, making the use of decorative products greatly reduced the cycle, decorative products from A medium and long-term consumer goods into a fast moving consumer goods, resources are not fully utilized. And most of the decorative materials are eliminated cannot be recycled, had to become a construction waste, pollution of the social environment and the natural environment. At present, we use the decorative materials added a lot of synthetic chemical materials, and many of them chemical materials harmful to the human body, affecting the physical health of the occupants. Blind development of the natural environment, excessive exploitation of natural resources, making our surrounding environment is less and less habitable. At present, people's way of life, mode of production and development model, the environment has brought more and more damage, in this context and the designer put forward the ecological design. Ecological design is the designer in this kind of people and natural society and nature in the form of discord, the design work of a new understanding and adjustment. With the construction of a harmonious society, the idea of building an ecological harmonious society is more and more popular, and the ecological design of this new trend in line with the trend of social development will become the mainstream trend in the application of environmental art design. Only by changing the traditional design pattern, the development of ecological design can improve our environment, is conducive to the harmonious development of man and nature.

## **The Ecological Connotation of the Ecological Art Design**

Ecological design mainly refers to the design of environmental art through the design of green design or the design concept of life cycle. In the design process should be combined with the local geographical environment, in order to reduce the degree of harm to the environment, in the design process to adhere to the sustainable development of the concept of recycling. To achieve the ecological application of the environment in the good application, we must follow the following aspects. First of all, should take into account the nature of human nature, the basic task of environmental art is to achieve the function of serving people, through the design of the environment to improve people's material conditions and spiritual life. The main content of the implementation of the design is to find the design concept and the integration of the natural environment to meet people's daily needs in the circumstances to achieve the protection of the environment. Secondly, in the design, the need to maintain the integrity of the design concept, environmental art design should be based on the protection of the environment as the basic starting point to provide people with a good sense of environmental protection.

## **The Principles to Follow in the Ecological Concept in Environmental Art Design**

**The Principle of Nature.** Follow the principle of nature is the ecological concept of environmental art in the design of the important principles, if the designer in the environmental sculpture only focus on showing the actual situation of the United States, it led to the deviation of the design results, cannot well reflect the most natural state, deviated from the original intention of the design. Therefore, it should be in the environmental art design into the natural characteristics, and natural coordination and close to the natural feeling to achieve the beauty of art.

**The Principle of Ecology.** Ecology mainly need to follow is from the natural and natural laws reflect the natural. Design inspiration comes from nature, should fully understand the ecological performance of nature, combined with the inherent laws of nature, environmental protection, architectural design, the design into the natural environment, comprehend the beauty of nature, and promote people between the coordination and harmony.

**The Artistic Principles.** In the design of environmental art, the designer should be based on the local geographical environment and ecological environment to design the structure, this environment has a strong artistic performance and strong appeal, in people's lives play a role.

## **The Inevitable Trend of the Ecological Environmental Design Development**

**The Emotional Trends.** In the reinforced concrete city living in the staff, they are under increasing pressure. These pressures need to be properly dispatched, responsible for people's psychological and physical damage. Most people want to be able to have a stressful environment when they are under great pressure, hoping to have a comfortable environment to adjust the tension. Eco-type environmental technology design is that people in this hope generated under. As the eco-environment art design is humanized, people in this environment can feel the integration of man and nature, in this environment, the negative emotions are released, so the development of eco-environmental art design is to follow the social trend.

**The Artistic Trends.** Art comes from life, this life is the most primitive and most essential people live with the natural life. Ecological art design can be the greatest reduction in the nature of life, which is the pursuit of environmental art design.

**The Social Trends.** The harmonious coexistence between man and nature is not only the requirement of developing a harmonious society, but also the requirement of sustainable development of human society. At the same time this is also the pursuit of environmental art design, they have a common goal. Now the city seems to be a reinforced hydrated world, the development of our society requires us to change this way of life, the human nature from the transformation to the development of protection. Ecological environment art to meet the requirements of the development of a harmonious society, the development of eco - environmental art design in line

with Chinese social development trend.

### **The Basic Characteristics of Ecological Ideas in Environmental Art Design**

Environmental art design is divided into two parts, namely the external environment design and space environment design. In the external environment, the ecological environment art design is the external environment and people's lives can be integrated, to meet people's needs at the same time to maximize the protection of the environment. In the design of space environment, the design of ecological environment art is to ensure that people have a healthy and comfortable living environment, the necessary living facilities can be used normally and the resources can be used rationally. Ecological environment art design mainly: high efficiency, continuity, diversity and recyclability.

The efficiency of eco-environmental art design is mainly reflected in the rational use of resources, the use of renewable resources as far as possible, maximizing the use of non-renewable resources, reducing waste, and achieving the greatest benefits with the least resources; the sustainability of environmental art design is mainly reflected in the design of the layout and the use of materials to meet people's long-term use; ecological environment art design diversity, mainly reflected in the diversification of product design to meet the needs of different consumption, to give consumers more choices; ecological environment art design cycle, mainly reflected in the recycling of materials used in the design of the material used in some physical or chemical decomposition and re-use, improve the resources sustainable development.

### **The Application of Ecological Ideas in Environmental Design**

**Social Design Strategy.** The social design of environmental art design mainly refers to the design of the works, should follow the social and ecological functions, do not blindly the pursuit of art. The current social awareness of the environment is not optimistic, so designers should combine the current status of social development, people's way of life and cultural patterns as the design principles, design more to meet people's needs. In modern society, some designers in order to pursue the design effect of ignoring the ecological environment, the environment caused great harm. So people should pursue a state of balance between man and nature, to achieve the designer's design goals, the role of protection of the environment. For example, there are some enterprises or television stations in the activities, the blind pursuit of the effectiveness of activities, the use of a large number of lanterns and lighting effects, the power resources have caused a lot of waste, do not meet the social design concept.

**Security Design Strategy.** Environmental art in the design of security mainly refers to the designer in the design should take into account the personal safety and natural safety. Human safety mainly for the design of environmental art should adhere to meet people's needs and improve the material conditions of life as the premise, pay attention to personal safety. If there are security vulnerabilities in the design, this work will not be called a good work. Natural safety mainly for the designer in the design process should use the surrounding environment for artistic creation, choose the natural environment as a creative background, adhere to the principle of solid shape, try to use can be recycled or easy to disassemble the material. For example, in the residential environment design, some of the landscape design will usually overlap with the formation of the parking lot, so it will lead to the occurrence of security risks. So the design of people in the design process, we must consider the safety aspects of the design of high safety performance works.

**Comfort Design Strategy.** The most important starting point for environmental design is to design a more comfortable environment to meet people's daily needs, so that people's feelings are fully relaxed, enrich people's aesthetic ability. For example, designers in the housing through the use of glass in the form, to protect the full light. The use of solar energy on the roof for the use of hot water, the use of non-toxic materials in the construction of housing, roof and wall insulation treatment, the use of these methods are reflected in the design principles of comfort. In the design not only to meet people's pursuit of art, and greatly promoted the use of resources efficiency, and

promote the protection of the environment, to achieve the integration of environmental art design and ecology.

## **Conclusion**

With the continuous development of the economy, social productive forces have been greatly improved. But in the creation of wealth, virtually to the environment caused a certain pollution, deterioration of the ecological environment, resource shortages have become the main factors affecting the current social development. Therefore, in order to achieve sustainable development, to achieve harmony between man and nature, should be in the pursuit of environmental protection process, the use of ecological ideas to achieve the design of environmental art. To focus on the ecological performance of the environment to meet people's aesthetic at the same time, to achieve the protection of nature.

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