

Research on the Application of Ecological Planning Concept in Landscape Design

Yang Shi

Zhengzhou University of Science and Technology, Zhengzhou 450000, China

Abstract: With the acceleration of urbanization and the increasing prominence of environmental problems, the application of ecological planning concept in landscape design has become more and more important. Traditional landscape design often focuses on aesthetics and practicality, but lacks a deep understanding of the ecosystem and concern for sustainable development. However, with the continuous improvement of people's understanding of the natural environment and ecological balance, the concept of ecological planning has become the core of contemporary landscape design, which aims to achieve the harmonious coexistence of human and nature by imitating the natural ecosystem to the greatest extent, protecting ecological diversity and providing ecological services.

Keywords: Ecological planning concept; Landscape design; Ecological benefit

Introduction:

When carrying out ecological design work, it is necessary to fully take into account the influence of harmonious development factors between man and nature. Implementing the concept of ecological concept into concrete actions can better enhance the ecological value of design works. Effective ecological design emphasizes that designers should follow the relevant concepts and knowledge of ecology and integrate the knowledge of other disciplines to achieve the aesthetic standards of humanities and art. At the same time, it fully demonstrates the value of ecological environmental protection, meets the needs of social development of the public, and reflects the characteristics of the combination of art and beauty.

1. The principle analysis of ecological garden planning implementation and application

1.1 Pay attention to the essential needs of the ecological environment

All kinds of ecological forms existing in nature have certain rational characteristics and are formed on the basis of following the law of social development and the law of nature. When carrying out landscape design work, it is necessary to fully implement the working concept of ecological planning, so that the relationship between human and nature can be effectively demonstrated to the greatest extent. It is necessary not only to conform to the natural development situation, but also to reflect the development needs of respect for nature. In the process of transforming nature, it is necessary to give full respect to nature. Try to meet the needs of public life development, reduce the damage to the natural environment. Conform to the law of natural development, so that the ecological value and social value of landscape design can be fully demonstrated to the greatest extent.

1.2 Efficient use of social resources

The variety of resources in the whole society is extremely rich, but in the past economic development process, because the impact of economic development benefits has not been fully taken into account, the phenomenon of resource waste is more obvious, and the earth's resources have shown a rapid decline in a short period of time. Therefore, when carrying out landscape design work, relevant staff also need to make full use of various energy efficient resources, enhance the recycling concept of energy, combine the advantages of renewable energy such as wind, solar energy, water energy, and fully highlight the ecological value of landscape design.

1.3 Adhere to the design concept of sustainable development

From the perspective of the connotation of the principle of sustainability, this is mainly a new strategy proposed under the

profound influence of China's sustainable development strategy. Looking back at the economic development situation of our country in the past few years, although the overall development speed is accelerated, it has caused serious damage to the natural environment. In order to solve this problem, it is necessary to implement the design concept of ecological planning into specific work in the follow-up work practice. Adhere to the principle of sustainable development, improve the problem of poor natural environment at the present stage, and protect our natural home. Give full play to the advantages of science and technology, and rationally promote the development of landscape design.

2. The application strategy analysis of ecological planning concept in landscape design

2.1 Take ecological planning as an important part of landscape design

For a long time, the pursuit of harmony and unity between man and nature has been an important development goal in landscape design. All kinds of landscape design work carried out in modern society have fully demonstrated the dream of human beings and implemented the goal of harmonious development between man and nature. The landscape of a region will reflect people's world view and values to a certain extent, and reflect human's yearning and pursuit of a better life in the future. At the current stage, under the background of accelerating social and economic development, garden landscape has become an important part of people's lives. As an important part of landscape design, ecological planning has a direct impact on the final design quality. The aim of ecological planning is to create a pleasant living environment for the public. In the social background of the continuous improvement of people's living standards, people also put forward higher requirements for the living environment. Therefore, when carrying out the landscape design work, it is necessary to implement the ecological planning concept into specific actions to show people's yearning and pursuit of a better life in the future.

2.2 Take the principles of ecological design as the basic principles of landscape design

In the history of art development, many people have proposed that the purpose of landscape design is to create a good living environment for human beings, so as to achieve the goal of harmonious development between man and nature. At the current stage, the speed of social and economic development has been accelerating, and the process of urbanization has also shown a gradually accelerating development trend. From the perspective of mass social demand, people are extremely eager to have a green development space. In the current social context, designers need to fully realize the importance of the application and implementation of eco-design principles, and implement them into concrete actions. Treat the form and function of garden landscape equally, fully respect various natural ecological laws, and achieve the goal of sustainable development of garden landscape. At the same time, it is also necessary to take the recycling of resources as the principle of development, adopt advanced garden art and technology means, and promote the orderly development of garden landscape design. The historical and cultural connotation of landscape design can be effectively demonstrated to the maximum extent, and the development goal of harmonious coexistence between man and nature can be realized.

2.3 Combine ecological planning concept with landscape design organically

When carrying out landscape design work, designers also need to fully integrate the concept of ecological planning into specific work practice, and highly integrate it with the development goals of landscape design. For designers, it is also necessary to make efficient use of various renewable resources, recycle them, and reduce the occurrence of resource consumption problems in the work. At the current stage, more and more designers have participated in the landscape design work. Combined with the development goals of landscape design, consciously follow the working principles of ecological design, give full play to the advantages of existing ecological resources, comprehensively improve the utilization efficiency of resources, fully integrate ecological planning into the natural landscape, and improve the display effect of the landscape. From the perspective of ecological planning, one of the important contents is to protect the environment and improve the local natural system. From this perspective, designers also need to carefully challenge various types of plants, give full play to their environmental advantages, make full use of them, and highlight the beauty of garden landscape design. On the basis of respecting the laws of nature, the changes of seasonal, color, facade and other forms of plant communities are used to enhance the overall aesthetics and achieve the goal of harmonious development between man and nature.

2.4 Rational use of modern technology and recycling of resources

From the perspective of ecological planning concept, one of the important objectives is to realize the sustainable development of human beings. Therefore, when carrying out landscape design work, designers also need to take into account the impact of technical factors. In the context of the profound changes in the social and economic development situation, the achievements of

technology are becoming more and more prominent, and have been deeply applied in various industries. For designers, it is also necessary to combine the advantages of various modern technologies, recycle various resources, and fully implement the design principles and working concepts of energy conservation and environmental protection. For example: When carrying out the roof greening work of urban buildings, landscape designers also need to make effective use of the advantages of modern organic ecological soilless cultivation technology to effectively treat all kinds of dead leaves and sewage in the city, and save the nutrients in time so that they can be effectively used in the next design activity. Bricks left over from abandoned houses can also be stored. Combining the advantages of different working modes such as stacking, restructuring and array, these waste products are effectively transformed, the utilization value of resources is comprehensively enhanced, and the beautiful natural landscape is designed. In necessary conditions, rainwater can also be recycled. Strengthen the importance of ecological environmental protection work, realize the recycling of water resources, fully implement the work concept of ecological planning and design, and enhance the scientific and rational landscape design.

Conclusion:

As an important part of people's living environment, garden landscape reflects the development of human civilization and human values to some extent. In the follow-up landscape design work, relevant designers also need to fully implement the concept of ecological planning, from the perspective of the actual situation of urban development, actively implement the corresponding working principles, give full play to the advantages of various natural landscapes, achieve the goal of harmonious development between man and nature, and create a comfortable and beautiful living environment for human beings.

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About the author:

Yang Shi (1991.07.06-), Female, Master lecturer, Environmental design, Zhengzhou Institute of Science and Technology, Zhengzhou City, Henan Province.