Research on Community Structure of Different Land and Soil Fauna in Urban Garden Ecosystem Aided by Computer Technology

Lili Zhan¹*, Xichao Pei², Dongying Liu¹ and Yanbing Zheng¹

¹Heihe University, Heihe, Heilongjiang, China, 164300
²Heihe Customs, Heihe, Heilongjiang, China, 164300

*Corresponding author e-mail: lilyzhan55187650@hhhxy.edu.cn

Abstract. The so-called urban garden ecological landscape and soil animal community refers to the computer-aided design landscape and soil animal community formed by the gradual transformation of natural due to the needs of human production and life. This kind of urban garden ecological landscape and soil animal community created the rural pastoral scenery for human cognition and aesthetic appreciation and had a profound influence on the computer-aided design of garden planning in western countries since modern times. However, with the continuous advancement and development of agricultural modernization, the original computer-aided design of urban garden ecological landscape and soil animal community in China has been impacted to some extent, and the current garden planning and computer-aided design should pay more attention to the sustainable development of computer-aided design of rural garden. This paper expounds on urban landscape ecological landscape and the contents of soil animal community, to urban landscape and ecological protection and development of soil animal community is analyzed, and based on urban landscape ecological landscape and soil animal community example from the space to the development of computer aided design and modelling strategy analysis, in order to offer reader reference.

Keywords: Urban Landscape, Ecological Landscape, Soil Fauna Community, Computer Aided Design

1. Introduction

The computer-aided design of the garden ecosystem is one of the crystallization of the mutual combination of human development history and nature. The garden ecosystem is the silhouette of the flowers and birds in the countryside landscape, which can also make many people in the city yearn for the rural scenery. And the rural culture provides a certain development direction for the current landscape computer-aided design in China¹[1]. As a contemporary human cultural spirit, the city landscape ecological landscape and soil animal community in computer aided design is a representative of the material and non-material are quite rich, and the agricultural modernization,
The urban landscape ecological landscape and soil animal community in regional characteristics emerge gradually. Urban landscape ecological landscape and soil animal community in the popularization of agricultural landscape and soil animal community gradually to the modern landscape and soil animal community development, and part of the region, already has a relatively prominent resource problems. The coordination and cooperation of economic development, urban garden ecological landscape and soil animal community are urgent problems to be solved.

2. The concept and research development of urban garden ecological landscape and soil animal community

2.1. Concept of urban garden ecological landscape and soil animal community

Urban garden ecological landscape and soil animal community refers to a comprehensive phenomenon developed by the integration of natural, economic, social and other phenomena in rural areas, and the historical origin of urban garden ecological landscape and soil animal community can be traced back to the study of history and culture. In the early stage of human cultural development, primitive agriculture developed continuously and gradually became the solid foundation of cultural origin. Hence what we call "agricultural landscape and soil animal community culture". The agricultural culture at the beginning gradually developed into the original form of urban garden ecological landscape and soil animal community. And its scope covers a variety of factors, is the village in each local cultural mapping. Urban landscape ecological landscape and the concept of soil animal community formation indicates the natural landscape and soil animal community towards the humanities landscape and soil animal community in form, but because of its landscape and soil animal community of agricultural production and rural scenery landscape and soil animal community in computer aided design has not replace charms.

2.2. Research and development of urban garden ecological landscape and soil animal community

In the late 19th century, China's urbanization process has become increasingly apparent, city show marginal obvious characteristics, which greatly promoted the development of the economy on the one hand, but on the other hand are ignored for the urban landscape ecological landscape and the specific protection of soil animal community, thus different parts of the city landscape and ecological characteristics of soil animal community began to lose, and also affected by the large natural resources, resources and environment of contradictions increasingly obvious, the ecological imbalance occurs repeatedly. And most of the rural environment has developed into a "dirty, chaotic and poor" inferior rural environment, because excessive reclamation and industrial pollution will destroy the ecological environment. In addition, China's contemporary urban landscape ecological landscape and soil animal community in computer aided design of cultural landscape and the lack of soil animal community phenomenon, in many parts of the country have their own traditional soil animal community, as shown in figure 1, in the urban landscape ecological landscape and the study of soil animal community developing, has "agrestic breath" are still very lasting appeal:
In people's impression, the countryside is not only the carrying object of ecological environment, but also the important development crystallization in the history of human agriculture. With the continuous acceleration of urbanization, rural urbanization has been gradually eliminated, and people in the countryside generally yearn for the prosperity of the city. They even construct the landscape and soil animal community of the countryside according to the appearance of the city when they carry out the computer-aided design of the regional landscape and soil animal community. But this also destroys the original cultural customs of the countryside to a certain extent, making its original or characteristic customs no longer exist. Compared with developed countries, the study of urban garden ecological landscape and soil animal community in China is also relatively late.

3. Domestic research status and development trend

3.1. Study on the elements of urban garden ecological landscape and soil animal community
From the scope of computer aided design, urban landscape and ecological soil animal community in computer aided design of the main elements are both natural environment and humane environment elements, and the so-called natural landscape and the factors of soil animal community refers to the existence and human and the natural landscape and soil animal community in different natural elements. Such natural elements are not subject to human interference, such as existing landscapes and soil fauna communities such as deserts and swamps. The so-called human landscape and soil animal community refers to the landscape and soil animal community that has changed the natural appearance due to the long-term influence of human beings, just like the computer-aided design of towns and fields, which has been artificially added and modified. Generally speaking, the landscape and soil animal communities of human culture in China are also known as the landscape and soil animal communities of human culture, which means that these landscape and soil animal communities are generated through long-term human labor, such as farmland, fish ponds and so on.

3.2. Research on various functions of urban garden ecological landscape and soil animal community
As an important place of cultivation for generations of human life, the first condition that a village should have is its economic productivity. In rural landscape and soil animal community in computer aided design, the agricultural landscape and soil animal community should also be more appropriate, so on a large area of land used for agriculture, forestry production is necessary, in the agricultural thought at the same time show the crop and the combination of production and living of human life. In order to meet their own production and living needs, agricultural users should improve them accordingly and pay attention to the essence of practical production. Therefore, it can be said that economic production in rural areas is the primary task to be considered in the computer-aided design of landscape and soil animal communities.
In addition, urban garden ecological landscape and soil animal community have certain ecological protection and development ability. Human development history shows that the farming land on rural land follows the principle of adapting to local conditions. And on the basis of the coordinated development with the environment; land utilization gradually promotes the coordination and richness of urban garden ecological landscape and soil animal community.

Figure 2. Frame diagram of urban garden ecological landscape and multi-value system construction of soil animal community.

3.3. Research on the planning, protection and continuation of urban garden ecological landscape and soil animal community

Currently is the peak of the development of modern new rural construction in our country, rural landscape and soil animal community in computer aided design is the key of the its construction, and urban landscape ecological landscape and the rationality of the soil animal community in computer aided design not only makes rural landscape and soil animal community more aesthetic feeling, but also for its surrounding cities to create high quality landscape and garden soil animal community environment, the formation of the sustainable development of the regional natural scenery. Reasonable computer-aided design and planning for rural landscape and soil animal community will make people explore rural environment with more in-depth characteristics, which is also of far-reaching significance for China's environmental construction. Rural landscape and soil fauna community are the carrier of its culture, and are related to people's production and living reality for generations.

4. Suggestions for the development of computer-aided design for rural tourism landscape and soil fauna communities

4.1. Principle of protecting nature and ecological balance

Current our country city landscape ecological landscape and a substantial part of soil animal community in the landscape and the destruction of soil animal community, the most is the condition of the new urban area expansion and the causes of the viaduct construction and so on, urban landscape ecological landscape in different regions and the destruction of soil animal community will make the economic development of the overall evaluation has more feasibility, this requires emphasis on environmental protection in the economic and environmental decisions.

4.2. "Adapt to local conditions" in the comprehensive utilization of land

Different urban landscape ecological landscape and soil animal community there is a certain difference in land use, such as the soil permeability stronger in some areas, which is suitable for farming, and some land soil is thin and is more suitable for grazing, and few of the more abundant water area can be provide people entertainment place, thus rural comprehensive value into full play.
4.3. *Continuation of rural culture on the basis of landscape planning*

At present, with the rapid development of the world economy, the idea of "Internet +" is gradually integrated in various industries, and the rural landscape and soil animal community should also develop the network economy to a certain extent. This kind of network economy should develop together with urbanization process. By constructing the ecological landscape of urban gardens and the computer-aided design of soil animal communities with protection mechanism, the foreign culture is gradually integrated and then developed into its own unique rural culture. This is a current understanding of the development of economic globalization in landscape planning. On the other hand, it is also an important development path for the protection and development of contemporary landscape ecosystem.

5. *Conclusion*

As contemporary human cultural spirit, the city landscape ecological landscape and soil animal community in computer aided design is a representative of the material and non-material are quite rich, and the agricultural modernization, urban landscape ecological landscape and soil animal community in regional characteristics gradually emerge, urban landscape ecological landscape and soil animal community in the popularization of agricultural landscape and soil animal community gradually to the modern landscape and soil animal community development, and therefore the original urban landscape ecological landscape and soil animal community in computer aided design is a certain impact. The current landscape planning and COMPUTER-aided design should pay more attention to the sustainable development of computer-aided design in rural landscape, and show the production and life combining crops and human life while reflecting the agricultural thought. Therefore, reasonable computer-aided design and planning for rural landscape and soil animal community will make people explore rural environment with more in-depth characteristics, which is also of far-reaching significance for China's environmental construction.

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