Discussion on Campus Landscape Construction

RUI ZHOU

ABSTRACT

With the continuous progress of social civilization, colleges and universities have become more and more concerned about campus landscape construction. Construction of campus environment is good for college students study and life, excellent campus landscape design is not only beneficial for the physical and mental development of students, but also cultivate the students' sentiment. Thus, a good campus landscape design is an important embodiment of campus architecture and culture. Whether the traditional Oriental classic campus landscape design or the modern design that contains the western art culture breath, it is easy to see in each campus landscape construction. In this paper, we will discuss these opportunities and challenges which the campus landscape construction design faced in the progress of being created. The analysis of the need to follow in the process of the construction of campus ecological principles, respectively is a collaborative environment, function and practical, and the principle of adjust measures to local conditions, finally the main content of the construction of university campus landscape were summarized, learned that the university campus ecological landscape construction in university culture and ecology research has important practical significance.

KEYWORDS

University campus, landscape construction, principle.

INTRODUCTION

The development of social civilization cannot be separated from the good construction of the ecological environment of university campuses, and the formation of good school spirit—also requires a good campus environment [1]. There are 28 words and themes about "ecology" and "environment" in the 17th congress of the party, and there are 45 such words in the report of the 18th national congress. With the rapid development of economy, China's urbanization process has been accelerated, and the ecological environment problems of the country have become more and more serious. Therefore, people have become more and more concerned about the construction of ecological environment in China. The ecological environment construction of universities is one of the most important contents of ecological construction, due to—the scales of different universities are being expanded year by year, the number of enrollment expansion has been rising at the same time. In order to guarantee the good school ethos, ecological landscape construction work of the university campus is urgently needed.
Analysis on campus landscape construction of the opportunity and challenge.

In the construction of new campus of the university campus or in the process of the college town, usually some urban-rural fringe is chosen as the venue, the site has a very large area, and contains rich natural resources, as an important hub of bridging peripheral environment, this kind of site in strengthening is the construction of urban ecological that the environment has an important position. The challenge for the construction of campus landscape is promoting campus function, at the same time, in order to do a good job in environmental protection around, we needs to know how to play this role in it. Construction site is one of the current problems that we are confronting [2]. Major groups in the university is a higher cultural level of the students and teachers, due to its own cultural level and their comprehensive higher quality, construction has a strong enthusiasm on the involved in the construction of campus landscape, so it has become the main force to speed up the construction of the campus landscape, one of the campus landscape construction accelerate push to further promote the harmony between human and nature, as a result, the university campus landscape construction industries gradually by the society of the focus of attention.

University campus landscape construction mainly through environmental protection and maintaining the ecological balance, the green ecology is the basic content of the university campus construction, through the establishment of the campus greening system, the structure of vegetation community college campus is different, with different levels and different function adequately research, it is advantageous to the construction of campus landscape into the natural environment. In the fifties in last century, a new generation of all kinds of ecological environment and green building energy was saving concept began to rise, and with the science and technology development had changed constantly, green building design and innovative design ideas gradually replaced the traditional practical design and function design of humanism in the process, ecological environment protection has become the architectural design of advanced development concept. With the expansion of university campus, the construction of new campus began to rise, and the landscape design and planning of landscape construction in university campus were more popular.

ANALYSIS OF THE PRINCIPLES OF CAMPUS LANDSCAPE CONSTRUCTION

Collaborative environment

Ecological environment construction in university is a slow process, except to ensure the normal use of the function of campus space to keep the normal operation of the campus surrounding environment, and to grasp the balance between the two. The collaborative environment refers to the design and planning of the actual environment and ecosystem of the campus to take into account the landscape construction in the process of campus landscape construction. Are the major factors need to consider the ecological environment of the landscape pattern of the surrounding environment, animals and plants as well as the local hydrogeology and so on, in addition to these natural environment factor, should also consider the surrounding campus cultural
factors, such as people's cultural life, mode of production and social characteristics of the local and so on.

From Shenyang university campus landscape construction, as you can see, the whole village is located in a paddy field, at the university of Shenyang underground because contains abundant water resources, as a result, all kinds of crops are in good growth condition, especially the famous northeast rice has high production every year [3]. Right to the social characteristics of the residents and life mode of production, make the paddy production is guaranteed, the surrounding environment of disturbance to a minimum, Shenyang university in the process of construction, keep the traditional humanities environment maximum down, through the construction of paddy landscape (as shown in figure 1), make the teachers and students' life more into the surrounding named production and living.

**Functional use**

In the university campus, due to the variety of activities and behaviors such as life, education, rest and scientific research, there is a higher requirement for the construction of material and spiritual framework on campus. Ensure that the campus’s learning environment is good, can not only make students and teachers study and work relaxed, but also beneficial to their physical and mental health, and contribute to a good learning and living habits Therefore, in the campus landscape design, in addition to taking full consideration of the surrounding ecological environment, the practical function of the campus landscape should be considered.

(1) Cultural expression. The campus landscape should not only maximize the ecological benefits, but also reflect the cultural connotation of a campus. In Wuhan university, for example, until march spring cherry blossom season of flying, flying cherry blossoms and classical campus buildings without harmony together, and the famous lotus pond moonlight in Tsinghua university and Peking University dedryck boyata, etc, the baptism of precipitation over time and culture, the ecosystem of the campus landscape gradually functional integrated with culture. (see figure 2 to figure 4)

![Figure 1. Picture a landscape of rice field in Shenyang University.](image-url)
(2) Education display. In addition to the ordinary life functions such as enjoying and relaxing, the university campus landscape has a certain education significance. Shenyang architecture university in the process of landscape construction is trying to provide education environment, as for people in the outside also have the effect of the show and education, and make the teachers and students as well as outside the consciousness of protecting ecological environment improved, so the campus ecological environment quality further improved.

Adjust to local conditions

Land area covers a variety of geological environment in our country, the domestic universities campus environment there are different degrees of difference, so in the
process of construction of the campus landscape, landscape pattern, landscape planting the choice and construction of green space system should consider when the local actual conditions, adjust measures to local conditions. For example, in the landscape construction of central China normal university, it is the full use of the local landscape to make the campus ecosystem rich in layers. The types of vegetation type on campus choice, according to the Wuhan local natural vegetation types, the artificial planting vegetation effective integration into the natural environment, and on the design of the main campus, is fully combined the campus surrounding terrain, the whole road along the mountain building, on the avenue two sets to add some shrubs green space and the lawn, through joint mountain continuity, make the space of the central China normal university administrative levels feeling is very obvious, not only make the road landscape from drab, at the same time also more pleasing on the vision. There are nearly 0.65 square meters green area per mu land in the school. According to the statistics, there are nearly 3,905 colleges having greening area.

CONTENT ANALYSIS OF CAMPUS LANDSCAPE CONSTRUCTION

As university teachers and students learning, life, education and scientific research of important place, good campus landscape construction not only can the campus landscape and the surrounding ecological environment fully fuse together, also conforms to the ecosystem of the current society, modernity, open and humanistic social needs. The campus landscape construction content is as follows: from the macroscopic perspective, the ecological environment protection of university is the fundamental means to strengthen the development of green environmental protection idea, the campus teaching, tourism, scientific research and the natural environment fully into an organic whole, the campus environment planning and design of campus landscape construction as an important guidance; From the microcosmic point of view, to landscape ecology as the foundation, through to the campus plate is divided into five kinds of different types, respectively is green patches, sports recreational garden green land patch, campus corridor plaques, nursery production green patches and green patches[4] . Combined with the campus where the terrain, through scientific and rational layout of campus space, adjust measures to local conditions to build the campus landscape, it is as natural and beautiful campus ecology is one of the important means. In accordance with the state of "twelfth five-year" plan, understand the development trend of future environmental protection and social environment, combined with the main goal of the future ecological civilization environment construction, give full consideration to the key problems such as atmosphere, water, soil, in the process of construction of the campus landscape, can from the following five aspects in the construction of campus landscape, respectively is the plant landscape of campus landscaping beauty and reduce the noise, air purification, lighting, windproof solid earth science, wetland and comfortable air.

CONCLUSION

Ecological landscape construction of the current university campus by extensive attention from all sectors of society, more and more in the future in the construction of
the campus landscape, fully understand the significance of ecological landscape construction, in combination with the practical situation of campus environment, fully grasp three basic construction principles, to increase the level of landscape construction in college to a new level.

REFERENCES