Campus Landscape Planning and Design based on Regional Culture

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Abstract. In recent years, regional culture has gradually been valued by people, and campus landscape planning and design in various regions of our country have also been combined with regional culture. Designers integrate regional culture into campus landscape planning and design. On the one hand, it can broaden students' horizons and enrich their visual experience. On the other hand, they can make the school more unique and enhance the uniqueness of the campus landscape space structure. Students create a good learning environment. Campus landscape planning and design based on regional culture can also play a role in the protection and inheritance of traditional regional culture, and have a positive impact on the promotion of regional culture.

1. Introduction

With the completion of a moderately prosperous society in an all-round way and the full implementation of major poverty alleviation policies, food and clothing are no longer a major problem that plagues the masses, and the people's living standards have been qualitatively improved. It is precisely because of this that the masses' demand for spiritual culture is increasing, and they have new requirements for the aesthetics of the external environment. For campus landscape design, the external landscape environment of the campus can directly affect the daily learning efficiency of students. As the saying goes, "people are the products of the environment", so are students. A good environment can help students quickly enter the learning state. Moreover, the current teaching model in our country has long been changed, from a single blackboard teaching to the current teaching combined with multimedia. It is not difficult to find that with the transformation of education mode, the way for students to acquire knowledge is no longer limited to textbooks, but makes full use of the information resources around them to improve their overall quality. Improving the campus environment can make students feel the local cultural characteristics, improve the students' aesthetic ability, and also improve the quality of students' learning.

2. The significance of regional culture to campus landscape planning and design

2.1 Demonstrate unique cultural and educational significance

In the planning and construction of campus landscape, designers should not only pay attention to the beautification effect of regional cultural landscape design on the campus, but also pay attention to its educational significance to students. Although our country still focuses on exam-oriented education,
teachers still cannot ignore the cultivation of students' comprehensive quality, as well as the education of students' inner spiritual thought and the shaping of outer personality. Therefore, when planning and constructing campus landscapes, designers should not only integrate the local regional culture to enhance the uniqueness and beauty of the campus, but also pay more attention to the inherent educational significance of the campus landscape to students, and play the role of regional culture in enhancing the connotation of students. On the one hand, this allows students to perceive the flowers and plants in the campus to stimulate the ability to think positively; on the other hand, it can enrich the hearts of students and make the education model more three-dimensional and diversified. The designer makes the campus full of force and vitality by designing every detail of the school landscape. Teachers can adapt to local conditions and make appropriate use of campus landscape features to carry out some in-school practical courses, so as to increase students' interest in learning, and help students form correct and stable three views, laying a foundation for their long-term development.

2.2. Improve students' aesthetic ability
Aesthetic ability refers to a person's ability to feel, appreciate, evaluate and create beauty. It is an ability for the aesthetic subject to obtain independent opinions after comprehensive analysis of the value, form and content of the aesthetic object. This kind of ability belongs to the comprehensive ability, which has high requirements for the visual ability, perception ability, and comprehensive analysis ability of the aesthetic individual, and the aesthetic ability is acquired through training. Therefore, cultivating students' aesthetic ability is one of the important tasks for teachers to carry out aesthetic education to students [1]. After incorporating regional cultural characteristics into campus landscape planning and design, regional culture can subtly influence students' aesthetic ability, expand students' knowledge, enhance students' pride and self-confidence, and in the long run, can cultivate students to form a sound personality. So that students can be brave in the face of setbacks and difficulties, open-minded, open-minded and calmly deal with failures, which is extremely beneficial to the long-term development of students. However, as far as the current education model in my country is concerned, in the context of exam-oriented education, schools and parents often place too much emphasis on student achievement and regard achievement as the ultimate education goal. Therefore, some schools frequently reduce campus construction funding to increase teaching funding, resulting in a poor campus environment. Although this move seems to be able to improve student performance in a short period of time, it ignores the cultivation of students' healthy personality, causing many students to be extremely vulnerable, and they are prone to make some extreme measures when facing a small setback, such as jumping off the building and leaving. Fleeing from home, etc., this is also one of the main reasons for the personality defects of our primary and secondary school students.

2.3. Promote the green and ecological development of campus
The national "green campus" plan has been implemented one after another. Schools in various regions gradually realize the importance of the construction of green ecological environment on campus, and begin to rebuild and expand one after another. Designers should take advantage of this opportunity to break the Convention and have the courage to integrate the local cultural characteristics into the campus landscape planning and design, so as to make the campus landscape more rich and hierarchical [2]. When designing, the designer should adopt artificial planting on the one hand, and replant the flowers and trees after reasonable planning. Such as trees and shrubs in woody plants, and organic flowers and grasses and lawns in herbaceous plants. On the other hand, the original natural landscape, trees, flowers and grass of the campus should be combined, while retaining the local natural landscape features, the external landscape technology should be integrated with it, so as to maximize the protection of the biodiversity of the campus and create a more natural structure. The three-dimensional campus landscape provides a higher quality teaching environment for teachers and students. For example, on the one hand, the school can place some flowers and plant some shrubs at the entrance of the library, classrooms, and dormitories, and design them into unique patterns or fonts, such as "Honesty" and similar words, to alert students and help Students quickly enter the learning state; on the other hand, some of the original hills
and woods of the school can be preserved to create a more original campus environment, while improving the air quality of the school, highlighting the local cultural characteristics, thereby promoting the green and ecological campus development of.

3. Campus landscape planning and design under regional culture

3.1. Highlight the regionality of Architecture

Architecture is always rooted in the specific environment, and is affected and restricted by various conditions in the local area. Therefore, the forms and styles of buildings in different regions are also different. Broadly speaking, the regionality of the building is affected by the geographical and climatic conditions in the area where it is located. Different geographical and climatic conditions will form different buildings. In a narrow sense, the regionality of a building refers to the specific topography, geomorphic conditions, surrounding environment of the building, and local building materials and technologies. This is an important factor that specifically affects and restricts the architectural space and architectural form. Campus landscape designers must have an ecological concept, so that the design conforms to the topography and geomorphology of the area where the campus is located, so that the building can be integrated with the natural environment. Campus landscape architects must also have an urban perspective and respect the overall layout and texture of the city and the area, as well as the relationship between architecture and nature. Designers should pay more attention to the application of local materials and technology, make correct positioning, work hard on body shape, volume, spatial layout, architectural form, and even materials and colour and combine functions to integrate and optimize. It has regional characteristics and is in harmony with the environment and adapts to the campus architecture. For example, in the process of architectural design, Wuchang Institute of Technology has made full use of the local regional culture, refined the characteristics of the mountainous terrain of Mei Nan Mountain and the architectural characteristics of the Tang Xun Lake area, and used the methods of waterscape, mountain and platform to make the campus The buildings are patchy. The colour of the building facade is also relatively simple and elegant, recreating the primitive style of Chu culture.

3.2. Refining and reproducing the regional culture

The regionality of architectural design should also be reflected in the historical and cultural environment of the region. The long-term living habits and lifestyles of people in a region have formed the local cultural traditions through accumulation. Designers should explore useful and useful elements from the regional cultural traditions. Use the factors and combine them with modern technology to realize the regionalization of modern buildings and the modernization of regional buildings. The same is true for the designer's planning and design of the campus landscape, which should also conform to the regional characteristics of the building. Before planning and design, designers should proceed from the local geographical conditions, climate conditions and historical and cultural traditions, and insist on designing based on regional culture. Designers must also learn to brainstorm and actively solicit opinions from the local people, so as to learn from each other's strengths and design more detailed and reasonable planning plans [3]. In the process of campus landscape construction, designers should strictly respond to national policies. While renovating and designing the original landscape of the campus, they should follow the principles of sustainable development, so that the campus can not only continue the local unique cultural characteristics, but also Highlight the unique style of the new era.

3.3. Enriching landscape design techniques, coordinating regional culture and campus landscape design

Landscape design methods include concrete design methods and abstract design methods. Designers should conduct investigations and statistics on the local humanistic characteristics based on actual conditions, make a comprehensive rational analysis, and then select appropriate landscape design methods. The main characteristics of concrete design are high requirements for details and high
recognition of the overall landscape, which is convenient for students to observe them in more detail, and can play a positive role in improving students' attention and concentration. The characteristic of abstract design is that it does not deviate from the original intention of the design, but it also has an innovative form. It has higher requirements for the designer's ability to innovate. It is extremely exaggerated and interesting, which is easy to attract viewers and improve their mentality and psychological feelings. For campus landscape design, due to the high learning pressure of students, coupled with the lack of development of personality and three views, students' mood fluctuations are prone to be greater. If the campus landscape design adopts a single design method, it is likely to cause students visual fatigue increases the emotional burden of students. The integration of regional culture can improve this problem. On the one hand, it can add luster to the single campus landscape, and on the other hand, it can give play to the advantages of regional culture, add interest to the boring campus, and improve the mood of students. To guide students out of the "negative circle."

For example, Wuhan University has well integrated Wuhan's regional culture in its campus landscape design. The designer gives full play to his imagination, through the two-pronged design technique of concrete design and abstract design, so as to achieve the purpose of enriching the campus landscape, enhancing the visual experience of teachers and students, and injecting vitality and vitality into the campus. As another example, Huazhong University of Science and Technology, as a national key university, has built a school motto wall, monuments, drunk night pavilion, Jing Hu Lake, and celebrity gardens on campus based on its profound regional culture, transforming abstract regional culture into an image of landscape. It not only adds colour to the campus landscape, but also inherits the history and culture of the campus, and at the same time more profoundly conveys the precipitation and accumulation of the regional culture and campus culture of Huazhong University of Science and Technology.

4. Conclusion
Regional culture is of great significance in campus landscape planning and design. It can inject new vitality into a boring campus and enrich the sense of hierarchy of campus landscape. Therefore, designers should combine local climatic conditions, make full use of local geographical advantages, while retaining the original natural landscape features and regional architectural features, while incorporating modern landscaping techniques into them, to create both regional and cultural features that are consistent with the campus landscape in the aesthetic style of the new era.

References
[1] Wang D., Wang X., Zhang LN., (2020) Research on campus landscape planning and design based on regional culture. J. Beauty and Times (City Edition),7: 49-50.
[2] Chen ZH., (2019) Design expression of regional culture in campus landscape design. J. Modern property (Mid-day issue), 2: 245.
[3] Cui WH., (2019) Research on the Creativity of Guizhou Business College Campus Landscape Design Based on the Inheritance of Regional Culture. J. Art Education Research, 14: 56-57.
[4] Xiao WW., Liu JJ., (2021) Talking about the Campus Landscape Reconstruction——Taking the Landscape Reconstruction of Fudan University as an Example. J. Architecture and culture, 01: 22-29.
[5] Xiao YQ., (2020) Research on College Landscape Design from the Perspective of Humanization. J. Flowers,06:53-54.