

The Function and Value of Recreational Justice in Inclusive Urban Parks

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Abstract: *With the acceleration of urbanization, urban parks, as an important place for urban residents, their function and value are increasingly prominent. By studying the function and value of recreational justice in inclusive urban parks, this paper aims to explore how to realize the inclusiveness of public space and improve the recreational justice of urban parks to meet the needs of different groups.*

Keywords: *recreation, justice, inclusiveness, urban park, functional value*

1. Introduction

By studying the function and value of recreational justice in inclusive urban parks, this paper aims to explore how to realize the inclusiveness of public space and improve the recreational justice of urban parks to meet the needs of different groups. Starting from the concept of inclusive urban park, this paper analyzes the status and function of urban park in urban space. Urban park is not only a place for leisure and entertainment, but also an important platform for social communication and cultural inheritance. Secondly, it discusses the connotation and importance of recreation justice, which guarantees the fair rights and interests of different groups in recreation activities and promotes social equity and harmonious development; again, it analyzes the problems of recreation justice in inclusive urban park, such as uneven resource distribution, poor service quality and imperfect public facilities. Finally, countermeasures and suggestions are proposed to improve the improvement of recreation justice in inclusive urban park.

2. Research background and significance

2.1. Development course of urban parks

The development of urban parks can go back to after the industrial Revolution in the 19th century. In the process of urbanization, the increase of urban population and building area led to the lack of urban green space, so the urban parks began to develop^[1]. The original city parks were mainly to meet the public recreation needs, such as Hyde Park in London and Central Park in New York. With the strengthening of urban planning and environmental protection awareness, urban parks have gradually developed into urban green lung and cultural landscape, providing places for people to rest, exercise and socialize^[2].

In the development process of urban parks, people's demand for green landscape, ecological environment and cultural inheritance gradually increases, and urban parks also gradually develop into multi-functional and inclusive development. Modern urban parks should not only meet the leisure and entertainment needs of tourists, but also take into account the balanced development of society, culture and ecology. Therefore, the development process of urban park is not only the historical evolution of urban planning and construction, but also the embodiment of social development and civilization progress. The development process of urban park is an important part of urban development and cultural inheritance, which is of great significance to improve the quality of the city and the quality of life of residents.

2.2. The concept and connotation of recreational justice

Recreation justice refers to the guarantee that all residents enjoy equal recreation rights and opportunities in urban parks, eliminating the recreation gap between different groups, and promoting social equity and sharing. Recreation justice is not only focused on the equality of rights of individuals, but also on the needs of groups^[3]. To achieve recreation justice in urban parks, it is necessary for the government, social organizations, and citizens to work together to establish various entertainment spaces and services to meet the needs of different groups of people.

The connotation of recreation justice includes: first, fair allocation of recreation resources, that is, to ensure that all residents can enjoy the recreation facilities and services provided by urban parks; second, the selection of different types and styles to meet the preferences and needs of different people; third, the construction of inclusive recreation environment, namely, creating an open, friendly and safe recreation atmosphere to promote the communication and communication between different groups^[4].

2.3. The importance of inclusive urban parks

As an important part of the urban green space system, the inclusive urban park is not only a place for urban residents to relax and entertain, but also an important function of the sustainable development of urban social culture and environment. First of all, inclusive urban parks can promote social equity and equality, where, regardless of social class, cultural background and identity, everyone can enjoy equal recreation rights and resource allocation, and achieve social integration and harmony. Secondly, inclusive urban parks enhance the sharing of public space, provide opportunities for urban residents to get close to nature and communicate with others, and enhance social cohesion and community identity. At the same time, the existence of inclusive urban parks also helps to improve the physical and mental health and well-being of urban residents, provide a healthy place to exercise and relax, and relieve the pressure and anxiety brought by urban life^[5]. Therefore, inclusive urban parks are not only a part of urban green space, but also an important pillar of urban social and cultural development, and their importance can not be ignored.

3. A functional analysis of recreation justice in urban parks

3.1. Promote social equality and equity

As an important place for urban residents' leisure and entertainment, urban park should have the function of promoting social equality and fairness. Urban parks shall be open to all residents, with equal rights and opportunities to enjoy their resources and services, regardless of their social status or economic conditions. The design and planning of the park should take into account the needs of different groups, including the elderly, children, the disabled, etc., to ensure that the facilities and services of the park can meet the needs of all people. The park can also hold various cultural activities and community activities to promote the communication and interaction between different social groups, narrow the social gap, and enhance the sense of social identity and cohesion. Through these measures, urban parks can become a place conducive to the promotion of social equality and equity, and contribute to the construction of a more harmonious and inclusive society^[6].

3.2. Improve the sharing of public space

Through the design and planning of public space, the communication and interaction of different social groups can be effectively promoted, and promote social equality and equity. The sharing of public space can improve the quality of life of urban residents, and enhance the cohesion of communities and social stability. In addition, the sharing of public space can also create more opportunities for social interaction and promote the inheritance and development of urban culture.

3.3. Improve the health and well-being of urban residents

As a green space in the city, the city park is an ideal place for residents to do outdoor sports and exercise. It can allow residents to stay away from the noise and pollution of the city, breathe fresh air, relax and mind and relieve pressure. The landscape design and green environment of urban park can improve the mood of residents, increase the quality of life and contribute to mental health.

More importantly, urban parks have become an important place for residents to interact socially, promote the establishment of neighborhood relations, enhance community cohesion, and improve residents' happiness and life satisfaction^[7].

4. Research on the economic value of recreation justice in urban parks

4.1. Increase in tourism and leisure consumption

With the improvement of people's living standards, the demand for leisure and entertainment is also increasing. As an important part of the urban green leisure space, urban parks have attracted a large number of tourists and residents to come to play. By improving the fairness of recreation, urban parks can create a more comfortable and pleasant environment, provide a variety of leisure facilities and activities, meet the leisure needs of citizens, and then increase tourism and leisure consumption^[8].

The promotion of recreation justice can not only attract more tourists, but also promote the development of local economy. For example, by holding various theme activities, cultural festivals and other colorful activities, attracting tourists to visit, increasing the prosperity and vitality of local business. At the same time, the development of urban parks will also drive the rise of the surrounding commerce, forming an economic belt with urban parks as the core, and promoting the economic development of the surrounding areas.

4.2. Improve the attraction and competitiveness of urban parks

To improve the attraction and competitiveness of urban parks, we need to pay attention to the following aspects.

First, the park landscape design should be integrated with the urban characteristics, reflect the regional cultural characteristics, and increase the uniqueness and attraction of the park. Second, it is necessary to strengthen the renewal and improvement of park facilities, provide more diversified leisure facilities and services, meet the needs of different groups, and enhance the attractiveness of the park. Third, it is indispensable to strengthen the publicity and promotion of the park, use new media means for marketing and attract more tourists or citizens to visit and play^[9]. Finally, it is essential to strengthen the management of the park, ensure the cleanliness and safety of the park environment, improve the quality and service level of the park, and enhance the competitiveness of the park.

4.3. Promote the economic development of the surrounding areas

As an important public space of the city, the city park can not only provide places for citizens to relax and entertain, but also promote the economic development of the surrounding areas. The construction and operation of urban parks require a large amount of manpower and material resources, which promotes the increase of local employment opportunities^[10]. The attraction and competitiveness of the city parks have been improved, attracting more tourists and residents to visit and relax, thus driving the development of the surrounding businesses and promoting the economic prosperity of the surrounding areas. In addition, the city park is also an important tourist attraction, attracting foreign tourists, increasing the income of the local tourism industry, and bringing more economic benefits to the surrounding areas.

5. Evaluation index system of recreation justice in inclusive urban parks

5.1. Construction of an index system to measure recreational justice

In inclusive urban parks, it is very important to construct the indicator system to measure recreational justice. The index system should include many aspects, such as whether the geographical location of the park is convenient and accessible, whether the facilities in the park are perfect and complete, and whether the management of the park is transparent and effective. Among them, the social equality of the park is one of the evaluation indicators, that is, whether different social groups can enjoy the resources and services of the park^[11]. In addition, the fairness of the park is also an important consideration, including whether the rules and policies in the park are fair and transparent, and they do not take sides. In addition, the sustainability of the park should be considered, that is, whether the resource utilization of the park is reasonable and whether it has a negative impact on the

environment. The cultural inclusiveness of the park should also be considered, and whether the park can attract people from different cultural backgrounds to visit for leisure and recreation. By establishing a perfect index system, we can better evaluate and enhance the level of recreation and justice in inclusive urban parks, and provide better leisure space and services for urban residents.

5.2. Data acquisition and analysis method

We can collect a large amount of field data through field investigation and questionnaire survey to understand the characteristics of tourists, recreation behavior and satisfaction of urban parks. We can also use drones and satellite imaging technologies to obtain high-definition spatial data and conduct detailed analysis of the layout, greening and facilities of urban parks^[12]. At the same time, platforms such as social media and mobile applications are used to collect real-time user feedback and opinions to further improve the quality and breadth of data.

5.3. Interpretation and application of the evaluation results

Interpretation of the evaluation results requires in-depth analysis of data to identify bottlenecks and barriers to recreation justice, and explore possible solutions. At the same time, the function and value of the recreational justice in urban parks, and the impact of the evaluation results on the management and development of urban parks. When applying the evaluation results, it is necessary to translate the interpreted conclusions into practical actions, and formulate specific improvement measures and policy suggestions to improve the level of recreation justice in urban parks, meet the needs of different groups, and promote the sustainable development of urban parks.

6. The development trend and prospect of recreation and justice in inclusive urban parks

6.1. Social diversity and cultural inclusiveness

Social diversity refers to the existence of diversity from different cultures, religions, races and genders in the society, while cultural inclusiveness refers to the respect and acceptance of this diversity, so that all people can get equal treatment and development opportunities in the society. In the inclusive urban parks, social diversity and cultural inclusiveness are not only reflected in the park planning and design, but also reflected in the management and operation of the parks.

First of all, the park should consider the needs of different groups of people, including children, the elderly, the disabled, etc., and provide them with corresponding convenient facilities and services to protect their rights and interests and enjoyment.

Secondly, the park activities should integrate different cultural elements, and hold rich and diverse cultural activities to promote the communication and understanding between different groups, and enhance social harmony and cohesion.

Finally, park managers should strengthen the awareness of social diversity and cultural inclusiveness, promote the park to become an inclusive and diversified community space, and provide a shared and harmonious leisure environment for urban residents.

6.2. Technological innovation and digital development

Technological innovation and digital development can also support the sustainable development of urban parks. For example, the application of intelligent lighting and energy saving equipment can reduce energy consumption and environmental impact; the intelligent monitoring system can help timely detect and solve problems in park management and improve the efficiency of resource utilization. Digital design and planning can also better protect natural resources and enhance the ecological value of the park.

6.3. Sustainable development and ecological and environmental protection

Sustainable development and ecological environmental protection is one of the important directions of urban park construction, and is an important measure to protect and improve human living environment. Through scientific planning and design, the urban parks can become an important part of the urban green ecosystem, and play a role in ecological balance and ecological environment protection.

In the process of urbanization, the construction of urban parks can increase the coverage rate of urban green space, improve air quality, reduce pollutant emission, improve the efficiency of water resources utilization, and promote the restoration and healthy development of urban ecosystem^[13]. At the same time, the ecological and environmental protection means in urban parks also include energy conservation and emission reduction, resource recycling, biodiversity protection and other measures, which can provide a strong guarantee for the sustainable development of the city. In the future construction of urban parks, more attention should be paid to the principle of ecological environmental protection, and actively take measures to protect the ecological environment, so as to realize the harmonious coexistence between the city and nature.

7. Conclusions

In the future discussion of the implementation of recreation justice in urban parks, we suggest that the government departments should pay attention to social diversity and cultural inclusiveness, promote the diversified development of urban parks, and create a more inclusive and equal recreation environment. At the same time, technological innovation and digital development are also an important way to improve the efficiency of park management and service quality. The government can improve the digital service level of the park by introducing new technologies. In addition, sustainable development and ecological environmental protection are the inevitable trend of the future development of urban parks. The government should strengthen the protection of the park ecological environment to ensure the sustainable development of the park. In general, to achieve the goal of recreation justice in inclusive urban parks, government departments, social organizations and the public should work together to promote the improvement and development of the park environment. Only through multi-party cooperation can we truly realize the inclusiveness and fairness of urban parks and provide high-quality recreation services for the citizens.

References

- [1] Qi Wei, Wang Shufen, Zhao Yuqian. *Analysis of the promoting effect of urban parks on social activities in the elderly [J]. Central China Construction, 2024,42 (03): 91-95.*
- [2] Meng Yi, Tian Tao, Yang Yanbing. *Analysis of the inclusive design of Dalian Urban Park [J]. Green Technology, 2023,25 (11): 79-82 + 90.*
- [3] Zhou Yang. *Research on evaluation and Optimization of Urban Garden from the perspective of spatial justice [D]. Mentor: Bai Mei. Hebei University of Engineering, 2023.*
- [4] Zhou Zhaosen, Lin Guangsi. *Research on the inclusive perception and influencing factors of recreation people in urban parks based on rooted theory [J]. Landscape Design (Chinese and English), 2022,10 (03): 12-37.*
- [5] CAI Shiyun. *A supportive environmental study of recreational physical activity in urban parks [D]. Tutor: Tan Shaohua; Li Jin. Chongqing University, 2022.*
- [6] Peng Qian, Wang Min.— *Take Hongshan Park in Wuhan city as an example [A]. Chinese Society of Landscape Architecture, 2021 Annual Meeting proceedings of Chinese Society of Landscape Architecture [C]. Huazhong Agricultural University; Key Laboratory of Huazhong Regional Urban Agriculture; Department of Landscape Architecture, College of Horticulture and Forestry, Huazhong Agricultural University;: 2021:220-224*
- [7] Fu Xingyuan, Zou Tie'an, Che Daidi, Feng Guanqing, Liu Zhiyang, Wang Xuena, Jiang Shan, Zhou Ru. *Study on Inclusive Design of Urban Park Green Space in the context of Population diversity, Northeast Agricultural University [Z]. Date of identification: 2021-09-15*
- [8] Wang Bei. *Functional transformation of urban parks with spatial production — is based on the theoretical perspective of active aging [J]. Journal of Tianshui School of Administration, 2021,22 (04): 30-35.*
- [9] Dong Qianwen.— *Take Renshoushan Park in Longxi as an example [J]. Tomorrow fashion, 2021, (12): 178-180.*
- [10] Zhou Zhaosen, Lin Guangsi. *Inclusive design theory of urban parks for resisting design rejection [J]. Landscape Architecture, 2021,28 (05): 36-41.*
- [11] Wang Lijuan, Jiang Haitao, Miao Lin, Gu Shuxian. *Research on Kunming recreational green space planning based on spatial justice [J]. City, 2020, (01): 54-63.*
- [12] Qie Shuheng, Wei Ge, Wang Xian, Zhu Wei Wang, Chen Fei. *Study on the landscape vitality index of urban mountain community parks based on the concept of inclusiveness — Take Qingdao city as an example [J]. Low temperature building Technology, 2019,41 (12): 4-7 + 11.*

[13] Hu Ximmeng. *Design research of modern urban park landscape installation art based on interaction theory —— Take the central aviation landscape community park design in Changsha as an example [A]. Collection of 2019 Annual Meeting of Chinese Society of Landscape Architecture (Volume II) [C]. [Publisher Unknown]: 2019:624-625*