

## 城市公园驳岸植物的选择与应用

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150030

摘要:

关键词:

中图分类号: S68

文献标识码: A

文章编号: 1000-2324(2015)04-0554-05

## The Selection and Application of Plants in Revetment of Urban Park

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**Abstract:** This article elaborated the unique requirements on revetment plants of the city park based on the current plants configuration of the park revetment through the methods of literature review and field survey, analyzed and summarized through the interaction and influence data of the garden plant and soil and water environment, picked out some garden plant species that were beneficial to strengthen the revetment security, and could improve the quality of water around the revetment, also took the ornamental features of the plants as a comprehensive consideration, summarized some higher ornamental plant species that were able to apply to revetment greening to provide a useful reference point for the plants selection and application of urban parks revetment.

**Keywords:** City park; revetment; plant selection; plant application

[1]

### 1 目前城市公园驳岸植物配置普遍存在的问题

## 2 园林植物的作用

### 2.1 提高驳岸安全性

#### 2.1.1 减弱风浪冲击

#### 2.1.2 保持堤岸水土

#### 2.1.3 保护稳固堤岸

表 1 一些可以提高驳岸安全性的植物  
Table 1 Some garden plants that can improve the safety of the revetment

No.	Name	Latin name	Living site	Geographical distribution	Function
1		<i>Metasequoia glyptostroboides</i>			
2		<i>Glyptostrobus pensilis</i>			
3		<i>Salix matsudana</i>			
4		<i>Salix babylonica</i>			
5		<i>Victoria amazonica</i>			
6		<i>Nelumbo nucifera</i>			
7		<i>Cynodon dactylon</i>			
8		<i>Juncus effusus</i>			
9		<i>Lonicera japonica</i>			
10		<i>Phragmites communis</i>			
11		<i>Festuca arundinacea</i>			
12		<i>Zoysia japonica</i>			
13		<i>Axonopus compressus</i>			

### 2.2 提高驳岸生态性

#### 2.2.1 理化作用

[2]

[3]

#### 2.2.2 富集和吸收作用

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[4] “

”[5]

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”[6]

### 2.2.3 微生物辅助降解作用

[7,8]

[9]

### 2.2.4 抑藻作用

表 2 一些具有显著净化水域功能的驳岸植物<sup>[7-24]</sup>

Table 2 Some garden plants that can improve ecological function of the revetment

No.	Name	Latin name	Living site	Distribution	Function
1		<i>Nelumbo nucifera</i>			
2		<i>Lythrum salicaria</i>			
3		<i>Phragmites communis</i>			
4		<i>Scirpus tabernaemontani</i>			
5		<i>Typha orientalis</i>			
6		<i>Salvinia natans</i>			
7		<i>Sagittaria sagittifolia</i>			
8		<i>Myriophyllum verticicillatum</i>			TNT DNT
9		<i>Alisma orientale</i>			
10		<i>Echhornia crassipes</i>			
12		<i>Ceratophyllum demersum</i>			
13		<i>Ipomoea aquatica</i>			
14		<i>Zizania lotifolia</i>			
15		<i>Azolla imbricata</i>			
16		<i>Potamogeton crispus</i>			

## 2.3 提高驳岸观赏性

### 2.3.1 规则式驳岸

### 2.3.2 自然式驳岸

[25,26]

### 2.3.3 混合式驳岸

表3 一些具有较高观赏价值的驳岸植物<sup>[12-26]</sup>  
Table 3 Some garden plants with high ornamental value of the revetment

No.	Name	Latin name	Living site	Geographical distribution	Function
1		<i>Metasequoia glyptostroboides</i>			
2		<i>Taxodium ascendens</i>			
3		<i>Glyptostrobos pensilis</i>			
4		<i>Cinnamomum camphora</i>			
5		<i>Salix matsudana</i>			
6		<i>Salix babylonica</i>			
7		<i>Pterocarya stenoptera</i>			
8		<i>Lagerstroemia indica</i>		6-9	
9		<i>Sorbaria sorbifolia</i>			7-8
10		<i>Jasminum nudiflorum</i>			2-4
11		<i>Rhododendron simsii</i>			4-6
12		<i>Phyllostachys heterocycla</i>			
13		<i>Hosta plantaginea</i>			7-9
14		<i>Lythrum salicaria</i>			7-9
15		<i>Alisma orientale</i>			6-9
16		<i>Iris tectorum</i>		4-5	
17		<i>Lycoris radiata</i>		9-10	
18		<i>Sagittaria sagittifolia</i>			7-9
19		<i>Scirpus validus</i>			6-9
20		<i>Typha minima</i>			5-8
21		<i>Cyperus alternifolius</i>			8-11
22		<i>Victoria amazonica</i>			
23		<i>Lemna minor</i>			
24		<i>Nymphaea tetragona</i>			6-9
25		<i>Nelumbo nucifera</i>			6-9
26		<i>Phragmites communis</i>			
27		<i>Trapa bispinosa</i>			
28		<i>Iris ensata</i>			6-7
29		<i>Acorus calamus</i>			
30		<i>Canna indica</i>			
31		<i>Iris lactea</i>			4-5
32		<i>Hedera nepalensis</i>			
33		<i>Trifolium repens</i>			
34		<i>Ophiopogon japonicus</i>			
35		<i>Parthenocissus tricuspidata</i>			

### 3 讨论

### 4 结论

[28]

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