

FLOWER SPECIES USED IN AQUATIC LANDSCAPE DESIGN

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SUMMARY

The modern landscape designs are un-conceived without aquatic landscape design. The aquatic plants are essential for assuring a successful and attractive landscape, conferring life and color even to the smallest landscape designs. The attractively part and mystery of water made landscape designs is not always due to the water mirrors. It's also due to aquatic species that reveal the beauty of the aquatic landscape design. We can compare this kind of aquatic specie like a „floating island of green”. Constantly the aquatic landscape design is related to the natural aspect of the water designs in the nature. This how we can find the most suitable plants for the aquatic landscape design.

The aquatic landscape designs can be made by using some flower species that are adapted to this kind of environmental conditions. The plants can be chosen not only by their ornamental value but for their need of water and environmental conditions; witches are more important factors (the type of water landscape designs – lakes, ponds, etc). After plant habit and biological characteristics the aquatic plants are classified as: natant species, submerse species, plasters species, oxygen made species, water lily species. After their origin and placement area, the aquatic species can be classified as: species for humid and swamp areas, species for areas with water depth between (10-40 cm depth), water lily area for plant floating (depth of 50 cm even more).

For each place in the aquatic design there is needed specie, each plant has its own space. In the **water lily area** (*Nymphaea* sp.) can be planted *Ranunculus aquatilis*, *Aponogeton distachyos*, **floating species** (*Pistia stratioides*, *Eichhornia crassipes*, *Hydrocharis morsus-ranae*, *Stratioides aloides*) **submerse species** (*Myriophyllum spicatum*, *Ceratophyllum demersum* ș.a.), before their decorative effect this kind of plants improve the water content in oxygene reducing the development of alga in the water. In areas with **small depth water** it's recommended species like: *Sparganium erectum*, *Orontium aquaticum*, *Polygonum amphibium*, *Butomus umbelatus*, *Pontederia cordata*. In the **swamp area** are recommended species like: *Acorus calamus*, *Lythrum salicifolium*, *Iris pseudacorus*, *Darmera peltata*, *Lychnis floscuculi*. In the **humid area**: *Iris laevigata*, *Myosotis palustris*, *Lysichiton americanus*, *Primula pulverulenta*. On the **river borders**: *Carex elata*, *Polemonium coeruleum*, *Trollius europaeus*, *Tradescantia* sp., *Hosta* sp. and ferns.

Due to different types of aquatic landscape designs more and more public gardens are choosing this kind of landscapes.

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