

# Application of Macrophyte on Wastewater

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## Abstract

With the coexistence of macrophyte and other species in a hydraulic system, pollutants in water can be effectively removed via the metabolism of these species. The mechanisms for reaching wastewater treatment include biological, physical, and chemical reactions. Nevertheless, the reaction rates and treating capacity are limited due to the natural characteristics of the system. When the hydraulic system is operated overloaded, many negative phenomena would be appeared even though the treatment ability is still remained. On the other hand, if the system using macrophyte can be carefully designed and operated, wastewater cannot only be treated, but biodiversity and pleasant landscape can also be formed. Success or failure all depends on the true recognition and careful management while using macrophyte.

*key words : macrophyte 、 constructed wetland*