



**“Gheorghe Asachi” Technical University of Iasi, Romania**



---

## **WATER CONSERVATION: CONSTRUCTION AND OPERATION OF MANAGEMENT AND TECHNOLOGY SYSTEMS FOR GREEN CAMPUS**

**Hong Xiang Chai\*, Ying Hua Wei, Hai Yan Xu, Qiang He**

*Ministry of Education Chongqing University, Key Laboratory of Three Gorges Reservoir Region's Eco-Environment,  
400045 Chongqing, China*

---

### **Abstract**

With the enrollment scale of universities expanded because of the large population in China, the Chinese government gradually began to pay attention to green campus' construction. In order to guide the water conservation construction and operation management for the national universities and colleges, it was proposed the water conservation construction and operation management technology system for green campus. The main contents include perfecting water conservation management systems, popularizing water conservation implements and facilities, improving the utilization rate of non-traditional water resources such as reclaimed water and rainwater, and using water conservation irrigation technologies, which can lead to a water-saving rate increase with 20%, and a 10%. Increase in the utilization rate of non-traditional water resources.

*Key words:* green campus, non-traditional water resources, operation management, sustainable development, water conservation

*Received: March, 2011; Revised final: July, 2011; Accepted: July, 2011*

---

---

\* Author to whom all correspondence should be addressed: e-mail: [chaihx@126.com](mailto:chaihx@126.com); Phone/Fax: +023-65120980