

Abstract of Presentation

Presentation Title:

100 Years of Biological Wastewater Treatment: A Perspective

Abstract:

This presentation reviews the development of 100-years of biological wastewater treatment and then re-look at current design and operations in WWTPs worldwide. It's suggested that technical advances may be directed to more energy-savable and discharge-reduceable one-stop solutions such as new generation membrane bioreactors etc. Alternatively, from the viewpoint of philosophy, much effort may be made to realize two targets *e.g.*, maximized water production and maximized energy recovery, in the future R&D activities with more and more serious quality-constrained water shortage in China and other Asian countries. A short summary is highlighted in a few ending slides.