

Lake Eutrophication and Restoration by Algae

Presented by: Dr. Angelika Jöbgen

Content: Eutrophication of the aquatic environment is frequently a result of nutrient pollution such as the release of sewage effluent and causes severe reductions in water quality. Eutrophication decreases the resource value of rivers, lakes, and estuaries such that recreation, fishing, hunting, and aesthetic enjoyment are hindered. Health-related problems can occur where eutrophic conditions interfere with drinking water treatment.



The first part of the lecture will give a brief introduction into causes and effects of Eutrophication followed by a short review on common restoration techniques. In the second part the development of a novel method utilizing algae for the removal of excess nutrients will be presented. In the study artificial substrates were exposed submerged in a large scale experiment at a lake near Bonn to assess the potential of periphytic algae for lake restoration. (Photo left)

Time: 18th Oct. 2008 13:40

Location: Klein Hörsaal,
Botanisches Institut,
Universität zu Köln,
Gyrhofstr. 15, 50931 Köln

Tel: 017623176183

Email: wanghc@rhineforum.org

Website: www.rhineforum.org

