

AQUATIC PLANTS

Dr. F. Sertel SEÇER

- 1st Week Classification of aquatic plants, economic importance, beneficial and harmful effects for aquatic environment
- 2nd Week Chlorophyceae class macroalgae and their characteristics
- 3rd Week Macroalgae of the class Phaeophyceae and their characteristics
- 4th Week Macroalgae of the class Rhodophyceae and their characteristics
- 5th Week Charales order of flowerless aquatic plants and their characteristics
- 6th Week True mosses and liverworts Lycopsidea, Sphenopsida and Pteropsida
- 7th Week Angiosperms; Monocotyledonous and dicotyledonous aquatic plants -
Reproduction in aquatic plants
- 8th Week Chemical structure of freshwater plants Chemical structure of marine plants
- 9th Week Production of edible freshwater plants Production of edible marine macrolagous
Porphyra and Undaria
- 10th Week Animal feed production from marine macroalgae
- 11th Week Evaluation of marine macroalgae as fertiliser
- 12th Week Agar production from red macroalgae Distribution of aquatic plants
- 13th Week Flour production from marine plants
- 14th Week **Utilisation of aquatic plants in wastewater treatment: the example of duckweed**





Agricultural Wastewater



Chengda University Pilot Plant



Industrial Wastewater



Feed

- Fish species
- Chickens
- Ruminants
- Drying, Pelletizing
- fertilizer



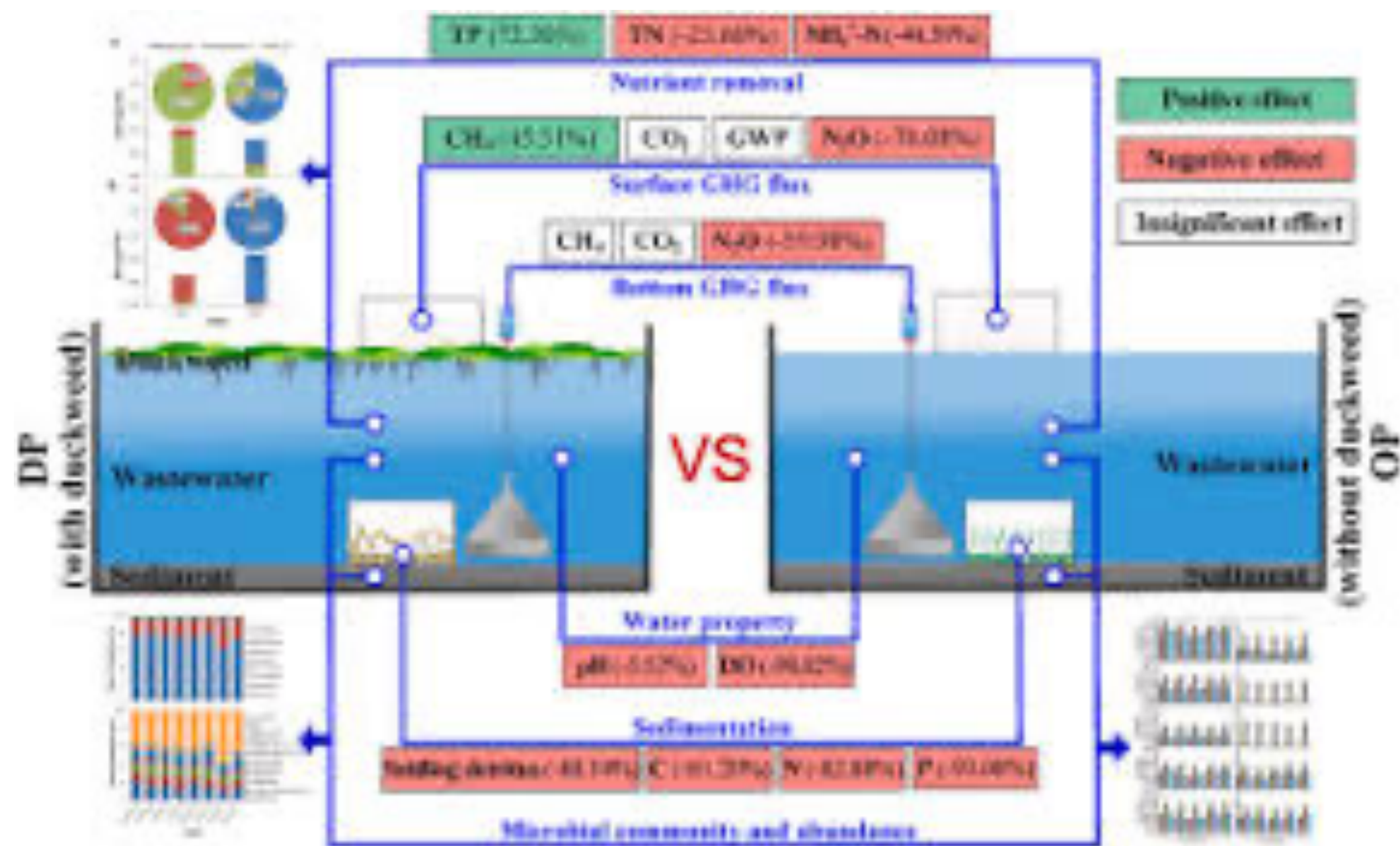
Water

- Treatment for human use
- Irrigation
- Aquaculture
- Discharge



Fuel

- Ethanol, Butanol
- Anaerobic digestion
- Bio-crude oil
- Direct combustion
- Bio-plastics (PLA)



Improved items by combined treatment (improvement efficiency)

