



Chemical Engineering

Wen-Teng Wu (吳文騰教授)

Professor



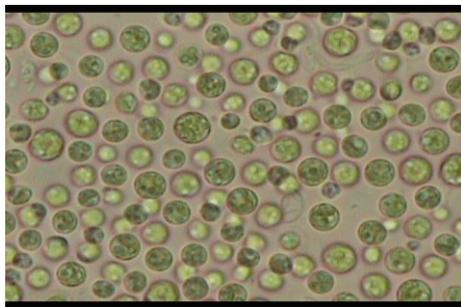
B.S. Chemical Engineering, National Cheng Kung University, Taiwan 1968
M.S. Chemical Engineering, National Cheng Kung University, Taiwan 1970
Ph.D. Chemical Engineering, National Cheng Kung University, Taiwan 1975

Email: wtwu@mail.ncku.edu.tw

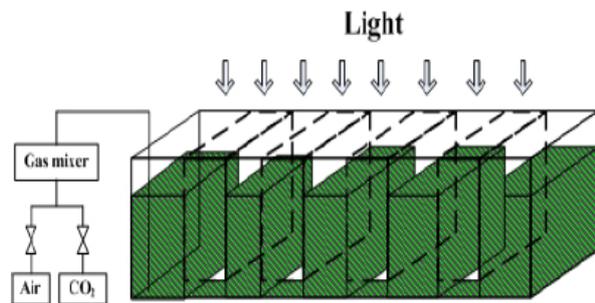
Tel: 06-2757575-62001

Office: Room 93915, Chemical Engineering Building

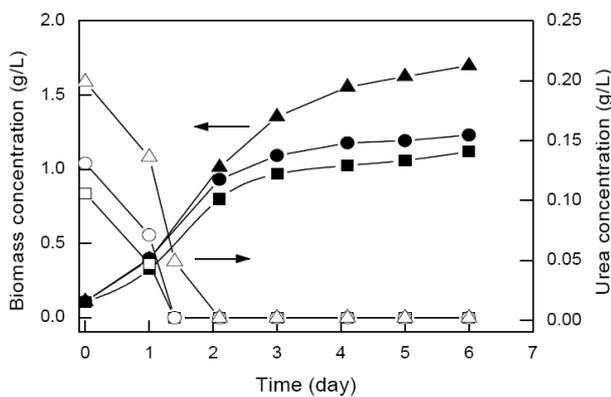
Studies on lipid production from microalgae



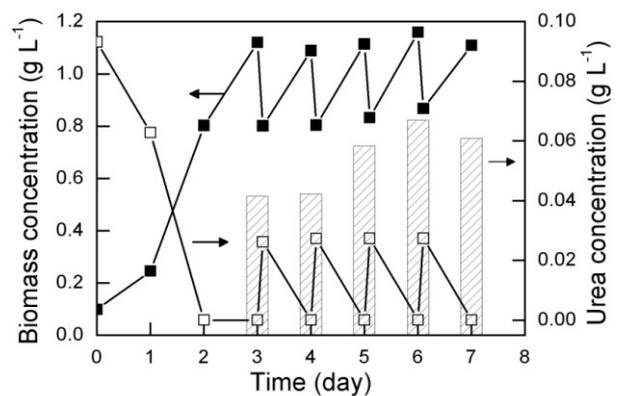
Nannochloropsis oculata



The proposed photo-bioreactor

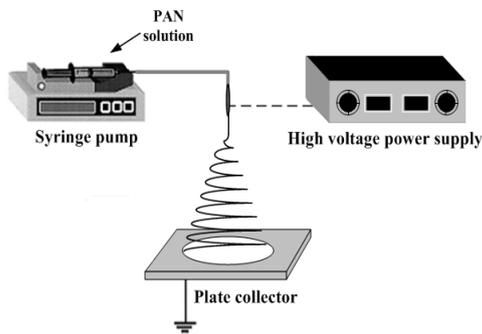


Batch culture at different urea concentrations

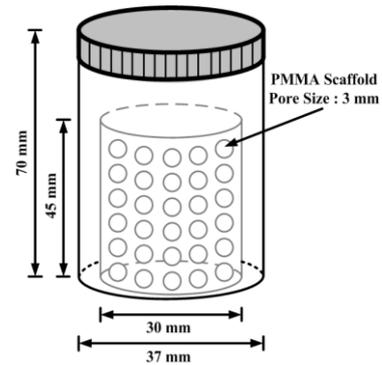


Semi-continuous cultivation

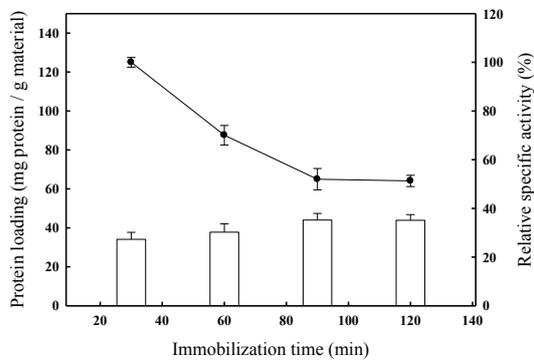
Immobilization of cellulase for hydrolysis the cell wall of microalgae



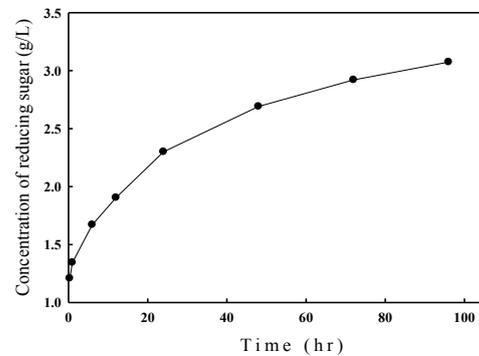
Electrospinning



Reactor



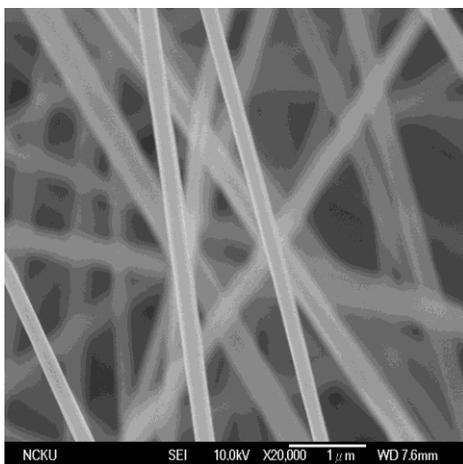
Effect of enzyme concentration on protein loading and relative specific activity.



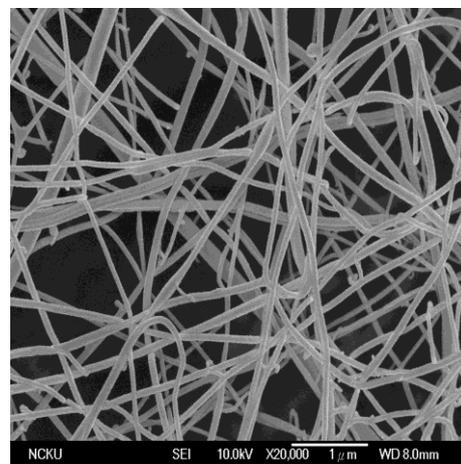
Time course of cellulase to hydrolysis the cell wall of microalgae.

Immobilization of Lipase on Chitosan/ PVA Electrospinning membrane for Biodiesel Production

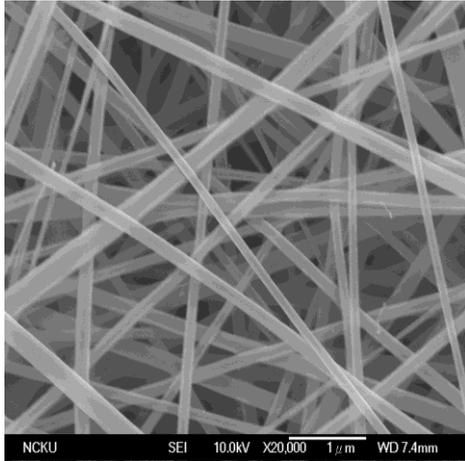
SEM photograph of the electrospun chitosan fibers



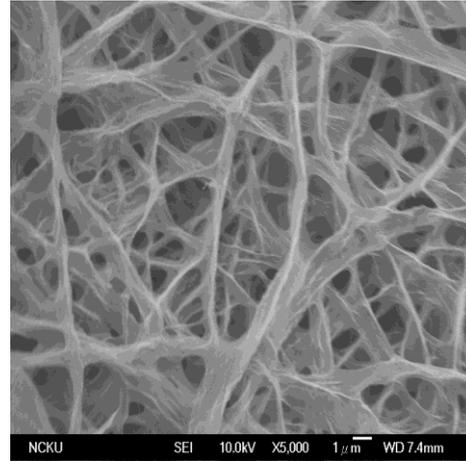
PVA



3wt % chitosan/ PVA



5wt % chitosan/ PVA



5wt % chitosan/ PVA with
1MNaOH treatment