

# Second and Third generation biofuels workshop

December 12-14 (Wednesday to Friday), 2012

Gibthai Training Center

## Day 1 (12/12/2012)

- 8.30-9.30: Registration
- 9.30-9.45: Welcome and opening remarks (Gibthai & TSB)
- 9.45-10.00: Overview of the second and third generation of biofuels (Assoc.Prof.Dr. Penjit Srinophakun)
- 10.00-11.30: Coffee break
- 10.30-12.00: Bioethanol production from ligno-cellulose, up-to-date technology and the challenges  
(Assist.Prof.Dr. Pramuk Prakulsuksatid)
- 12.00-13.00: Lunch
- 13.00-14.00: Introduction to laboratory practice (K Kritsada Sutitanont, Gibthai)
- 14.00-14.20: Coffee break
- 14.20-16.00: Laboratory practice 1: bioethanol production from lignocelluloses  
(Dr. Sumalika Morakul, K Pumhathai, K Nongruk and K Noppawan)
- 16.00-16.30: Conclusion, question and comments

## Day 2 (13/12/2012)

- 9.00-10.00: Algae cultivation overview (Prof. Yusuf Chisti)
- 10.00-10.30: Coffee break
- 10.30-12.00: Algae harvesting and extraction (Prof. Yusuf Chisti)
- 12.00-13.00: Lunch
- 13.00-14.00: Introduction to algal and microbial cultivation (Assoc.Prof.Dr. Sarote Sirisansaneeyakul/  
K Natthawut)
- 14.00-14.20: Coffee break
- 14.00-16.00: Laboratory practice 2: algal cultivation (K. Natthawut, K Monchai and K Yodhaka)
- 16.00-16.30: Conclusion, question and comments

