

Undergraduate Research Projects – 2002-2003
Final Year Projects (FYP)
Supervisor: Professor A.S. Mujumdar, ME Dept., NUS

Student	Topic	Co-Advisor, Collaborator
Harikumar s/o Sukumar Pillay	Impinging jet –experimental studies	
Ng Li Li Dawn	Osmotic dehydration of foodstuffs: Effect of infrared and convective drying	Dr. K.J.E. Chua
Ngeow Chee Leong	A comparative study between microwave and pressure-regulatory drying	Dr. K.J.E. Chua
Chiang Hock Siong	Modeling heat transfer from non-Newtonian impinging laminar jets	Dr. M. Raisul
Tan Yee Kee	Mixing characteristics of novel opposing jet configurations	Ms. Shi Yuling
Oh Chun Wei	Turbulent flow and heat transfer gas-particle flows	Ms. Shi Yuling
Maruly Fadila Situmeang	Simulation of the fluidised-bed catalytic cracking (FCC) reactor in petroleum refining	Mr. Lixin Huang Dr. V. Ranade (NCL, India)
Chng Cheow Yong	A pressure-swing drying system for heat-sensitive products	Dr. K.J.E. Chua
Khoo Keng Siang, Benjamin	Hybrid continuous and intermittent osmotic/microwave/convective dehydration of agricultural products	Dr. K.J.E. Chua
Ho Sze Yuan, Gilbert	Spray dryer simulation - novel dryer designs	Mr. Lixin Huang
Fong Sze Yong	A novel spiral plate PCM thermal energy storage system	Prof. M.N.A. Hawlader
Soh Seok Yuen	Mist cooling of electronic components- experimental studies	Prof. Andrew A.O. Tay

Lu, Wenjia: M.Sc. Project: Multiple heat transfer modes – simulations and experimental studies for intermittent operations