Co-cultivation of *I. galbana* and *C. minutissima* for Biological CO₂ Fixation and Biodiesel Production

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Nowadays, microalgal fuel technology is in the limelight again as a new biomass feedstock to produce biofuel because novel biological technologies are being developed and climate and energy crisis is more and more serious. In this study, Isochrysis galbana and Chlorella minutissima, which were proved to have relatively higher CO2 fixation capacity and lipid contents than other microalgal strains in last study, were co-cultured under various conditions for enhancing both CO2 fixation capacity and lipid contents. In addition, Isochrysis galbana was cultured in pilot-scale photobioreactor (50 L), which was based on various hydrodynamic tests performed for designing high efficient photobioreactor, for mass production of microalgae.