

Dr. Rakrudee Sarnthima, Ph.D.

Dr. Rakrudee Sarnthima is one of our advisors and a member of our research team in Faculty of Science, Mahasarakham University. She's researching into biochemistry.

Education Background

1. BS (Biochemistry, Khonkaen University, Thailand, 1997.)
2. Ph.D. (Biochemistry, Mahidol University, Thailand, 2004.)

Researches:

- 1996-1997: Senior Project in the fulfillment of the B.Sc. degree in Biochemistry, Khon Kaen University ; Semi-continuous synthesis of citric acid by *Aspergillus Niger*
- 1998: Advance Project in Biochemistry Department; Immobilization of Thai Rosewood β -Glucosidase
- 2000: Poster presentation in the Congress on Science and Technology in Thailand 26th (STT26); Transglucosylation of Long chain Alcohols using Thai Rosewood β -Glucosidase specific for Dalcochinin 8' β -D-Glucoside
- 2001: Poster presentation in the Graduate Research Symposium II (GRS-II); Alkyl-glucosides synthesis using Thai Rosewood β -Glucosidase
- 2002: Participant in COST Expert Meeting "Energy metabolism in Trypanosomatidae" 34rd Microsymposium "Glycosomes and Drug Design" 12-13 September, 2002 Edinburgh, Scotland(UK)
- 2003: Published paper; Svasti J., Phongsak T., and Sarnthima R. Transglucosylation of tertiary alcohols using cassava β -Glucosidase Biochemical and Biophysical Research Communication 305, 470-475.

Conference Presentations:

- 2003: Oral presentation in the Congress on Science and Technology in Thailand 29th (STT29); Plant β -Glucosidases: study of substrate specificity in transglycosylation of long chain alcohols.
- 2004: Poster presentation in the 17th FAOBMB Symposium/2nd IUBMB Speciala Meeting/7th A-IMBN Conference; Crystallisation trials of Thai Rosewood β -Glucosidase.
- 2005: Poster presentation in the 1st Mahasarakham Research Conference; Laccase screening from fruiting bodies of wood mushrooms.
- 2006: Poster presentation in the Congress on Science and Technology in Thailand 32th (STT32); 1.) Partial purification and some characterizations of Laccase from *Lentinus polychrous* Lev.
2.)Decolourisation of synthetic dyes by laccases from *Pleurotus sajor-caju*