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Field of Interest: Environmental Biotechnology, Molecular Biotechnology

Current research area:

1. Utilization of biosurfactant and microorganism for the degradation and remediation of environmental contaminants

Publication:

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- Sonkong, K., Prasertsan, P. and Sobhon, V. 2008. Screening and identification of *p,p'*-DDT degrading soil isolates. Songklanakarin J. Sci. Technol. 30 (Suppl. 1): 103-110.
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- Saimmai, A., Onlamool, T., Sobhon, V. and Maneerat, S. 2012. An efficient biosurfactant-producing bacterium *Selenomonas ruminantium* CT2, isolated from mangrove sediment in south of Thailand. World J. Microbiol. Biotechnol. DOI 10.1007/s11274-012-1161-8 (Published online: 30 August 2012)
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- Saimmai, A., Rukadee, O., Onlamool, T., Sobhon, V. and Maneerat, S. 2012. Isolation and functional characterization of a biosurfactant produced by a new and promising strain

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- Saimmai, A., Tani, A., Sobhon, V. and Maneerat, S. 2012. Mangrove sediment, a new source of potential biosurfactant-producing bacteria. Ann. Microbiol. DOI 10.1007/s13213-012-0424-9 (Published online: 23 February 2012)

Presentation:

- Sobhon, V. and Gealt, M. A. 2000. Variation at the N-terminal region of *Sphingomonas* TeCHQ dehalogenase (*pcpC*) that does not affect dechlorination of pentachlorophenol. American Society for Microbiology 100th General Meeting. Los Angeles, CA, USA.
- Sobhon, V. and Gealt, M. A. 2001. Additional nucleotides in *pcpC* gene do not affect PCP degradation. American Society for Microbiology 101th General Meeting. Atlanta, GA, USA.
- Aksornchu, P., Prasertsan, P. and Sobhon, V. 2005. Isolation of arsenic-resisting bacteria from arsenic-contaminated soil. BioThailand2005: The 17th Annual Meeting of the Thai Society for Biotechnology "Innovative Biotechnology-The era of bio-nanotechnology". The Queen Sirikit National Convention Center, Bangkok, Thailand. 2-5 November 2005.
- Sonkong, K, Prasertsan, P. and Sobhon, V. 2005. Screening and identification of *p,p'*-DDT degrading bacteria. BioThailand2005: The 17thAnnual Meeting of the Thai Society for Biotechnology "Innovative Biotechnology-The era of bio-nanotechnology". The Queen Sirikit National Convention Center, Bangkok, Thailand. 2-5 November 2005.
- Jeenoon, S., Maneerat, S. and Sobhon, V. 2006. Screening of indigenous soil bacteria with the ability to degrade organochlorine pesticide, γ-HCH. Proceeding of the 6th Environmental Engineering Association Conference. Phitsanulok, Thailand. 7-9 March 2007.
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- Jaya, J. D., Maneerat, S. and Sobhon, V. 2008. Screening of *p,p'*-DDT degrading bacterial consortium from agricultural soil in Songkhla Province, Thailand. The 20th Annual Meeting of the Thai Society for Biotechnology. "TSB2008: Biotechnology for Global Care". Mahasarakham, Thailand. 14-17 October 2008.

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