

Curriculum Vitae

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Professional experience:

- 2001 – present Lecturer at Department of Pharmaceutical Technology, Faculty of Pharmacy,
Srinakharinwirot University, THAILAND
- 2001 – 2003 Hospital pharmacist (Part time) at Kasemrad Prachachuen Hospital,
Bangkok, THAILAND
- 2004 – 2009 Doctoral candidate at College of Pharmacy, Freie University Berlin, GERMANY
Co-advisor of the erasmus students and participation in some research projects
- April 2012 Research experience in Faculty of Pharmacy, Ege University, Izmir, TURKEY (1 month)
- March 2013 Research experience in Faculty of Pharmacy, Ege University, Izmir, TURKEY (1 month)

Education:

- 1996 - 2001 B.Sc. (Pharm) (First honor)
Faculty of Pharmacy
Mahidol University, THAILAND
- 2004 - 2009 Dr.rer.nat. (Pharmaceutical Technology) (2011)
Freie University Berlin, GERMANY
Under supervision of Prof. Dr. Roland Bodmeier
(Granted by the Royal Thai Government Scholarship from the Civil Service
Commission)

Area of interests:

- Hot-melt extrusion for oral and parenteral drug delivery systems
- Protein and polymer based microparticles for drug delivery systems
- Protein and peptide formulation

Publications:

- Shuwisitkul D, Ongojchai S, Suntornsuk L, Luanratana O. Chromatographic Fingerprints of Selected Thai Medicinal Plants. Mahidol J Pharm Sci 2001; 28: 45 – 54.
- Ozgüney I, Shuwisitkul D, Bodmeier R. Development and characterization of extended release Kollidon SR mini-matrices prepared by hot-melt extrusion. Eur J Pharm Biopharm 2009; 73 (1): 140-145.

International and national short research papers for the scientific conferences:

- Shuwisitkul D. and R. Bodmeier. Preparation of poly(lactide-co-glycolide) implants by hot-melt extrusion. AAPS, San Antonio, Texas, USA, 2006.
- Shuwisitkul D. and R. Bodmeier. Modified release patterns of PLGA hot-melt extruded implants. CRS, Long beach, California, USA, 2007.
- Shuwisitkul D. and R. Bodmeier. Pulsatile release from biodegradable hot-melt extruded implants. AAPS, San Diego California, USA, 2007.
- Shuwisitkul D. and R. Bodmeier. Development of PLGA/PLA polymer blend hot-melt extruded implants. The 6th World meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Barcelona, Spain, 2008.
- Shuwisitkul D., Suriyaphanpong, D., Thongnopkoon, T., Musiknavabut, S., Sereesongsaeng, N. and Tunvichien, S. Evaluation of Pharmaceutical Properties of Yellow Sweet Potato Starch as a Tablet Disintegrant. The 1st Current Drug Development International Conference, Phuket, Thailand, 2010.
- Inpapean P, Rojcharoenchai J, Managit J, Shuwisitkul D. Development of method to prepare in situ forming alginate microparticles for oral drug delivery. The 1st International Conference. Patient Safety: From Product to Patient Care and Translational Research. Ubon Ratchathani, THAILAND, 2011.
- Saejing O, J. Tungvatcharapranee S, Athikomkulchai S, Uan-on T, Shuwisitkul D. Influences of *Centella asiatica* crude extract on properties of transdermal patch for drug delivery system. The 1st International Conference. Patient Safety: From Product to Patient Care and Translational Research. Ubon Ratchathani, THAILAND, 2011.
- Kamchai S, Suwisutthimontri P, Managit C, Shuwisitkul D. Effects of sodium bicarbonate on alginate microparticles and multiparticulate tablet from alginate microparticles. The 7th Indochina Conference on Pharmaceutical Sciences. Bangkok, THAILAND, 2011.

- Thongrod K, Promthanasat P, Athikomkulchai S, Shuwisitkul D. Comparison of *Centella Asiatica* crude extract release from different polymer-based transdermal patches. The 7th Indochina Conference on Pharmaceutical Sciences. Bangkok, THAILAND, 2011.
- Limboonsong P, Yipasuk W, Kaewpongsa S, Tunvichien S, Kewsuwan P, Parittotokkaporn T, Shuwisitkul D. Development of zein microparticles and gel containing zein microparticles as drug delivery system. The 7th Srinakharinwirot Academic Conference. Bangkok, THAILAND, 2013.
- Srisarakam M, Thaisongtham W, Rungwilaicharoen S, Managit C, Shuwisitkul D. Enhancing encapsulation efficiency in alginate microparticles as drug delivery system. The 7th Srinakharinwirot Academic Conference. Bangkok, THAILAND, 2013.
- Doungsaljao D, Buranatrakul P, Kewsuwan P, Shuwisitkul D. Development of zein based microparticles for drug delivery system: effect of processing parameters. The 9th World meeting World meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2014, Lisbon, Portugal, 2014.
- Jamkom K, Managit C, Parittotokkaporn T, Shuwisitkul D. Development of lidocaine gels: effect of different type of gels on drug release and stability. The 9th World meeting World meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 2014, Lisbon, Portugal, 2014.

Projects and research funding:

- 2009 – 2011 Staff of GMP improvement project granted by Ministry of Commerce
- 2012 – present Growth hormone formulation project in collaboration with Biochemical Engineering and Pilot Plant Research and Development Unit, BIOTEC and King Mongkut's University of Technology Thonburi granted by Thailand Center of Excellence for Life Science (TCELS)
- 2009 – 2011 Head project of "In situ-gelling formulations for controlled release oral drug delivery systems: effects of drug physicochemical properties and polymer blends" granted by Faculty of Pharmacy, Srinakharinwirot University
- 2012 – present Head project of "Development of multiparticulate tablet containing alginate microparticles" granted by Faculty of Pharmacy, Srinakharinwirot University