

## Assist. Prof. Lalana Kongkaneromit, Ph.D.

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**Area of expertise:** 1. Development of liposome and nanoemulsion formulations  
2. Development of cosmetic and herbal products

### Education:

2004-2010 Ph.D. in Pharmaceutics  
Faculty of Pharmacy, Mahidol University, Bangkok, Thailand  
Thesis: Mechanisms of cationic liposomes-induced apoptosis and its protection by antioxidants

1997-2000 M.Pharm. in Pharmaceutical Technology  
Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand  
Thesis: Effects of amphotericin B entrapment in liposomes on skin absorption

1990-1995 B.Sc. in Pharmacy, Faculty of Pharmaceutical Sciences,  
Prince of Songkhla University, Songkhla, Thailand

### Traning and Visiting:

2 - 8 August 2009 Visiting at Fakulti Farmasi, Universiti Kebangsaan, Malaysia, Kuala Lumpur, Malaysia with the support by Assoc. Dr. Mohd Cairul Iqbal Mohd Amin

9 Jun 2006 - 29 July 2007 Learning techniques of cell apoptosis investigation with the support by Prof. Dr. Yon Rojanasakul, Department of Pharmaceutical Sciences, School of Pharmacy, West Virginia University, Morgantown, WV, USA.

29 Aug 2004 - 11 Sep 2004 Learning techniques of microparticle production by the aerosol solvent extraction system (ASES) process with the support by Prof. Dr. Bernd W. Müller, Pharmazeutisches Institut, Christian-Albrechts-Universität, Kiel, Germany.

#### Work experiences:

2019-present	Assistant Professor, Department of Pharmaceutical Sciences, Faculty of Pharmacy, Thammasat University, Pathum Thani, Thailand
2001-2019	Assistant Professor, Department of Pharmaceutical Technology, Faculty of Pharmacy, Srinakharinwirot University, Ongkharak, Nakhorn-Nayok, Thailand
2000-2001	Technical Support (cosmetic formulation) Research and Development Department, Ceutic Ltd., Bangkok, Thailand
1996-1997	Pharmacist, Nathawee Hospital, Songkhla, Thailand
1995-1996	Pharmacist, Narathiwat Provincial Public Health Office, Narathiwat, Thailand

#### Publications:

- **Kongkaneramt L**, Aiemsun-Ang P, and Kewsuwan P. Development of curcumin liposome formulations using polyol dilution method. *Songklanakarin Journal of Science and Technology*. 2016; 38(6): 605-610.
- Plangsombat N, Rungsardthong K, **Kongkaneramt L**, Waranuch N, and Sarisuta N. Anti-inflammatory activity of liposomes of *Asparagus racemosus* root extracts prepared by various methods. *Experimental and Therapeutic Medicine*. 2016; 12: 2790-2796.
- Benjakul R, **Kongkaneramt L**, Sarisuta N, Moongkarndi P, Müller-Goymann CC. Cytotoxic effect and mechanism inducing cell death of  $\alpha$ -mangostin liposomes in various human carcinoma and normal cells. *Anti-Cancer Drugs*. 2015; 26(8): 824-834.
- Therdphapiyanak N, Jaturanpinyo M, Waranuch N, **Kongkaneramt L**, Sarisuta N. Development and assessment of tyrosinase inhibitory activity of liposomes of *Asparagus racemosus* extracts. *Asian Journal of Pharmaceutical Sciences*. 2013; 8(2): 149-160.
- **Kongkaneramt L**, Witoonsaridsilp W, Peungvicha P, Ingkaninan K, Waranuch N, Sarisuta N. Antioxidant activity and antiapoptotic effect of *Asparagus racemosus* root extracts in human lung epithelial H460 cells. *Experimental and Therapeutic Medicine*. 2011; 2: 143-148.
- **Kongkaneramt L**, Sarisuta N, Azad N, Lu Y, Iyer AKV, Wang L, Rojanasakul Y. Dependence of reactive oxygen species and FLICE inhibitory protein on lipofectamine-induced

apoptosis in human lung epithelial cells. *Journal of Pharmacology and Experimental Therapeutics*. 2008; 325(3): 969-977.

- Wang L, Azad N, **Kongkaneramt L**, Chen F, Lu Y, Jiang B-H, Rojanasakul Y. The Fas death signaling pathway connecting reactive oxygen species generation and FLICE inhibitory protein down-regulation. *Journal of Immunology*. 2008; 180(5): 3072-3080.
- Manosroi A, **Kongkaneramt L**, Manosroi J. Stability and transdermal absorption of topical amphotericin B liposome formulations. *International Journal of Pharmaceutics*. 2004; 270(1-2): 279-286.
- Manosroi A, **Kongkaneramt L**, Manosroi J. Characterization of amphotericin B liposome formulations. *Drug Development and Industrial Pharmacy*. 2004; 30(5): 535-543.

### Conference /abstract /proceedings

- Jitiwattanukul N, Yommawan S, Rukthong P, Potaros T, **Kongkaneramt L**. Step up of curcumin liposomes to curcumin liposomal gel. Proceedings of the 5<sup>th</sup> Current Drug Development International Conference 2018 and the 3<sup>rd</sup> International Conference on Herbal and Traditional Medicine 2018 (CDD&HTM 2018); 2018 May 23-25; PSU Conference Hall, Songkhla, Thailand, p. 131-133.
- **Kongkaneramt L**, Sitthithaworn W, Sarisuta N. *Clinacanthus nutans* extract and its HPTLC fingerprint. Poster no. PJ-BIO-M-07, TRF-OHEC Annual Congress 2017 (TOAC 2017), Phetchaburi, Thailand, 11 – 13 January 2017.
- Wongsansukjaroaen R, Chawanasoontopote S, Tangkupan N, Tadtong S, Aiemsun-ang P, **Kongkaneramt L**. Development of Ketoconazole Nanoemulsion. Proceedings of the 40th National Graduate Research Conference; 2016 Oct 20-21; Prince of Songkhla University, Songkhla, Thailand, p. 841-849.
- Thongnopkoon T, **Kongkaneramt L**. Development of curcumin buccoadhesive film for treatment of aphthous ulcer. Poster, The 74th FIP World Congress of Pharmacy and Pharmaceutical Sciences, Bangkok, Thailand, August 30 –September 4, 2014.
- Sricharoenchai C, Sapphakitjanon T, Hongratanaworakit T, Nimkulrat S, **Kongkaneramt L**. Product development of gamma-oryzanol anti-aging cream. Poster, The 7th Indochina Conference on Pharmaceutical Sciences, Bangkok, Thailand, December 14-16, 2011.
- **Kongkaneramt L**, Witoonsaridsilp W, Peungvicha P, Sarisuta N. Antioxidant activity and cytotoxicity of different fractions from successive extraction of *Asparagus racemosus*. Poster, The 7th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Valletta, Malta, March 8-11, 2010.

- **Kongkanermit L**, Sarisuta N, Azad N, Lu Y, Rojanasakul Y. Cationic liposomes induce apoptosis by reactive oxygen species mediated FLIP downregulation through ubiquitin-proteasomal degradation pathway. Poster T3075, AAPS Annual Meeting and Exposition, San Diego Convention Center, San Diego, CA, 9-15 November 2007.
- Laosrisin N, **Kongkanermit L**. Development of cephalosporin oral gel for periodontal treatment. Poster 2371, The IADR/AADR/CADR 83rd General Session, Baltimore Convention Center-Exhibit Hall, Baltimore, MD, 9-12 March 2005.
- **Kongkanermit L**, Manosroi J, Liawruangrath B, Manosroi A. Stability study of amphotericin B entrapped in Liposomes. Poster B-079, the 25th Congress on Science and Technology of Thailand, Amarin Lagoon Hotel, Pitsanuloke, Thailand, 20-22 October 1999.

#### Thai petty patent:

Department of Intellectual Properties, Ministry of Commerce: Petty patent number 15817 (co-inventor).

#### Grants:

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| 2015 | Principal investigator; Project title: <i>Clinacanthus nutans</i> nanoemulsion for the treatment of postherpetic neuralgia. Research grant from Thailand Research Fund.           |
| 2015 | Co-investigator; Computer Assisted Instruction (CAI): Quality Risk Management. Research grant from Faculty of Pharmacy, Srinakharinwirot University.                              |
| 2013 | Principal investigator; Project title: Production of curcumin liposomes by polyol dilution method. Research grant from Faculty of Pharmacy, Srinakharinwirot University.          |
| 2012 | Co-investigator; Project title: Development of curcumin buccoadhesive film for treatment of aphthous ulcer. Research grant from Faculty of Pharmacy, Srinakharinwirot University. |