

Personal History and Academic Output

Personal History

Name Miss Wantida Chaiyana
Date of birth 2nd November 1982
Current Position Lecturer
Work address Department of Pharmaceutical Science,
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Work History

2013 until now Lecturer, Department of Pharmaceutical Science,
Faculty of Pharmacy, Chiang Mai University
2006 – 2007 Territory Manager, Roche Thailand Ltd.

University level education

2013 Doctor of Philosophy (Pharmacy), Chiang Mai University
(The 10th Royal Golden Jubilee Ph.D. Program)
2009 Master of Business Administration (Business Administration),
Chiang Mai University
2005 Bachelor of Pharmacy (First class honor), Chiang Mai University

Research Publications

1. Poomanee W., **Chaiyana W.**, Intasai N., Leelapornpisid P. (2015). Biological activities and characterization of the pod extracts from Sompoi (*Aacia concinna* Linn.) grown in northern Thailand. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol. 7(5), 237-241.

2. Phongpradist R., **Chaiyana, W.**, Anuchapreeda S. (2015). Curcumin-loaded multi-valent ligands conjugated-nanoparticles for anti-inflammatory activity. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol. 7(4), 203-208.
3. **Chaiyana W.**, Phongpradist R., Leelapornpisid P., *Anuchapreeda S.* (2015). Microemulsion-based hydrogel for topical delivery of indomethacin. *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 7(2), 213-219.
4. **Chaiyana, W.**, Phongpradist R., Leelapornpisid P. (2014). Characterization of hydrodistillated pomelo peel oil and the enhancement of biological activities using microemulsion formulations. *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(9), 596-602.
5. **Chaiyana, W.**, Rades, T., Okonogi, S. (2013). Characterization and in vitro permeation study of microemulsions and liquid crystalline systems containing the anticholinesterase alkaloidal extract from *Tabernaemontana divaricata*. *International journal of pharmaceutics*, 452(1), 201-210.
6. **Chaiyana, W.**, Schripsema, J., Ingkaninan, K., Okonogi, S. (2013). 3'-R/S-hydroxyvoacamine, a potent acetylcholinesterase inhibitor from *Tabernaemontana divaricata*. *Phytomedicine: international journal of phytotherapy and phytopharmacology*, 20(6), 543-548.
7. Okonogi, S., **Chaiyana, W.** (2012). Enhancement of anti-cholinesterase activity of *Zingiber cassumunar* essential oil using a microemulsion technique. *Drug discoveries & therapeutics*, 6(5), 249-255.
8. **Chaiyana, W.**, Okonogi, S. (2012). Inhibition of cholinesterase by essential oil from food plant. *Phytomedicine*, 19(8), 836-839.
9. Saeio, K., **Chaiyana, W.**, Okonogi, S. (2011). Antityrosinase and antioxidant activities of essential oils of edible Thai plants. *Drug Discoveries and Therapeutics*, 5(3), 144-149.
10. **Chaiyana, W.**, Saeio, K., Hennink, W. E., Okonogi, S. (2010). Characterization of potent anticholinesterase plant oil based microemulsion. *International journal of pharmaceutics*, 401(1), 32-40.

Research Presentation

1. Nakpanich N., **Chaiyana W.**, Leelapornpisid P. (2016) Application of Mango seed for Skin Care Cosmetic used in SPA. RRi CMU Forum 2016, Chiang Mai, Thailand, 4 February 2016. (Poster)
2. **Chaiyana W.**, Phongpradist R., Anuchapreeda S. (2016) Anti-inflammatory activity of essential oil and hot infusion oil from Plai rhizome. The 15th TRF-OHEC Annual Congress (TOAC 2016) Strengthen a Powerful Collaborative Reserve Community, Phetchaburi, Thailand, 6-8 January 2016. (Poster)
3. **Chaiyana W.**, Phongpradist R., Mueller M., Viernstein H., Leelapornpisid P. (2015) Cosmeceutical Activities of Pomelo Peel Oil and Microemulsion Development. Lanna Expo, Chiang Mai, Thailand, 11 September 2015. (Poster)
4. **Chaiyana W.**, Phongpradist R., Ingkaninan K. (2015) Research and development of anti-hair loss products containing *Equisetum debile* Roxb. extract with pharmacological activity. The conference by Royal Project Foundation and Highland Research and Development Institute (Public organization), Chiang Mai, Thailand, 3 September 2015. (Poster)
5. **Chaiyana W.**, O-ariyakul N., Chaiwan A., Leelapornpisid P. Antioxidant Activity of Tea Seed Oil from Eastern and Northern Thailand. The 9th Research Path: The Path to the Future, 2-3 December 2013, Chiangmai, Thailand. (Poster).
6. **Chaiyana W.**, O-ariyakul N., Chaiwan A., Leelapornpisid P. Cosmeceutical tea seed oil microemulsion-based gel with antioxidant and skin moisturizing effects. The 29th National Graduate Research Conference, 24-25 October 2013, Mae Fah Luang University, Chiangrai, Thailand. (Poster with proceeding, P131)
7. **Chaiyana W.**, Niwatananun W., Okonogi S. *In vivo* study of memory improvement ability of *Tabernaemontana divaricata* alkaloidal extract and *in vitro* skin permeation study of the extract from various types of microemulsions. The XVII International Congress Phytopharm 2013, 8-10 July 2013, Vienna, Austria. (Oral)
8. Okonogi S., **Chaiyana W.** Development of microemulsions containing anticholinesterase extracts from plants. The XVII International Congress Phytopharm 2013, 8-10 July 2013, Vienna, Austria. (Oral)

9. **Chaiyana W.**, Rades T., Hennink W.E., Ingkaninan K., Niwatananun W., Ampasavate C., Okonogi S. Development of Nanodelivery System of Thai Medicinal Plants for Treatment of Alzheimer's Disease. The 8th Research Path: The Path to the Future, 22-23 November 2012, Chiangmai, Thailand. (Poster).
10. **Chaiyana W.**, Niwatananun W., Okonogi S. Inhibition of acetylcholinesterase by alkaloidal extract from *Tabernaemontana divaricata* stem: *in vitro* and *in vivo*. RGJ Seminar Series LXXXIX - Molecular Mechanisms and Technology Developments in Biomedical Researches, 31 August 2012, Chiangmai, Thailand. (Poster).
11. **Chaiyana W.**, Radse T., Okonogi S. Formulation of *Zingiber cassumunar* Roxb. essential oil in microemulsions: Study of phase diagram and anticholinesterase activity. 14th Conference on Formulation and Delivery of Bioactives, 16-17 February 2012, Dunedin, New Zealand. (Poster).
12. **Chaiyana W.**, Okonogi S. Microemulsion of *Zingiber cassumunar* Roxb. oil and its anticholinesterase activity. RGJ Seminar Series LXXXIV - Research and Innovation in Chemistry for Sustainable Development, 2 September 2011, Chiang Mai, Thailand. (Poster with outstanding presentation award).
13. **Chaiyana W.**, Okonogi S. Synergistic effect of essential oils from *Citrus* plants on degenerative disease of ageing. 7th Asia Pacific Conference on Clinical Nutrition, 5-9 June 2011, Bangkok, Thailand. (Poster).
14. **Chaiyana W.**, Saeio K., Inkaninan K., Hennink W.E., Okonogi S. Encapsulation of potent anticholinesterase essential oil by microemulsion technique: Study of phase diagram. The Twelfth RGJ-Ph.D. Congress (RGJ-Ph.D. Congress XII), 1-3 April 2011, Jomtien Palm Beach Hotel and Resort, Pattaya, Chonburi, Thailand. (Poster).
15. Okonogi S., **Chaiyana W.**, Saeio K., Yotsawimonwat S., Niwatananun W. Factors affecting phase behavior of microemulsions comprising *Cymbopogon citratus* oil. XVII International Conference on Bioencapsulation, 24-26 September 2009, Groningen, Netherlands. (Poster).
16. Okonogi S., Saeio K., **Chaiyana W.**, Yotwimonwat S., Niwatananun W. Encapsulation of sesame oil by microemulsion technique: Study of phase diagram. XVII International Conference on Bioencapsulation, 24-26 September 2009, Groningen, Netherlands. (Poster).

Awards

1. The hall of fame awards 2015: winner of publishing in a high impact factor journal in 2014 (in the category of less than 10 years of Government services at Faculty of Pharmacy, Chiang Mai University and non-holder of any Professorship) by Faculty of pharmacy, Chiang Mai University
2. Honorable mention award for poster presentation (2015) by Royal Project Foundation and Highland Research and Development Institute (Public organization)
3. The hall of fame awards 2014: runner up of the highest impact factor journal published in 2013 (in the category of less than 10 years of Government services at Faculty of Pharmacy, Chiang Mai University and non-holder of any Professorship) by Faculty of pharmacy, Chiang Mai University
4. Excellent teaching team: Pharmaceutical technology I (2014) by Faculty of pharmacy, Chiang Mai University
5. Excellent teaching team: Pharmaceutical technology I (2013) by Faculty of pharmacy, Chiang Mai University
6. Outstanding presentation award in RGJ Seminar Series LXXXIV (2011) by Thailand Research Fund
7. Product Champion: Xenical[®] (2006) by Roche Thailand Ltd.