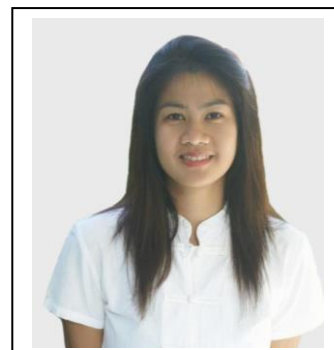


Curriculum Vitae

Name : Ms. Pensak Jantrawut
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Birth date : 16 August 1982
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Position:

2013-.... : Assistant Professor of Department of Pharmaceutical Sciences, faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand.
2011-2012: Lecturer of Department of Pharmaceutical Sciences, faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand.

Education:

2006-2011: Ph.D in Pharmaceutical Sciences, Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand (1st to 5th year in research only program)
2001-2005: B. Pharm. in Pharmaceutical Sciences, Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand (1st to 5th year 2nd Class Honor; GPA = 3.45)
1995-2000: Chalermkwan Stree School, Phitsanulok Thailand (Secondary School Certificate GPA = 3.84)

Training and research experiences:

March-September, 2009: Bioactive naturally occurring molecules from plants;
Department of Materials and Applied Chemistry, Nihon University, Japan under the supervision of Prof. Dr. Toshihiro Akihisa
April-May, 2008: Fibroblast cell cultivation and zymogram techniques; Tropical Medicine Faculty, Mahidol University, Thailand.

Scholarships and awards:

- ASEA-UNINET Staff Exchange, 2014 from Austrian Exchange Service (OeAD-GmbH), Centre for International Cooperation & Mobility (ICM), Austrian Federal Ministry of Science, Research and Economy (BMFWF)
- Junior Research Fellowship program, 2012 (March-May 2012) from Ambassade De France En Thaïlande
- The Royal Golden Jubilee (RGJ) Scholarship under Ph.D. Program, 2006-2011 from TRF (Thailand Research Fund)
- Industrial and research projects for undergraduate students (IRPUS), 2005 (Thailand Research Fund)
- The certificate of Thailand Innovation Awards: Awakening the Innovative Spirit of Thai Youths, 2005 from The Science Society of Thailand Under the Patronage of His Majesty the King

International publications:

1. Manosroi J, **Jantrawut P**, Manosroi W, Kongtawelert P, Manosroi A. (2015) 5 α -Reductase inhibition and melanogenesis activity of sesamin from sesame seeds for hair cosmetics. *Chiang Mai Journal of Sciences* 42(3): 669-680.
2. **Jantrawut P**, Chambin O, Ruksiriwanich W. (2015) Scavenging activity of rutin encapsulated in low methoxyl pectin beads. *Cellulose Chemistry and Technology* 49 (1): 51-54.
3. Manosroi A, Akazawa H, Akihisa T, **Jantrawut P**, Kitdamrongtham W, Manosroi W, Manosroi J. (2015) *In vitro* anti-proliferative activity on colon cancer cell line (HT-29) of Thai medicinal plants selected from Thai/Lanna medicinal plant recipe database "MANOSROI III". *Journal of Ethnopharmacology* 161: 11-17.
4. **Jantrawut P**, Ruksiriwanich W. (2014) Carbopol®-Guar gum as a vehicle for topical gel of pectin beads loaded with rutin. *Asian Journal of Pharmaceutical and Clinical Research* 7(4): 231-236.
5. **Jantrawut P**, Ruksiriwanich W. (2014) The effect of encapsulation on the *in vitro* anti-oxidative activity of rutin. *International Journal of Pharmacy and Pharmaceutical Sciences* 6(6): 476-479.
6. Leelapornpisid P, Chansakaow S, Na-Boonlong S, **Jantrawut P**. (2014) Development of cream containing nanostructured lipid carriers loaded Marigold (*Tagetes erecta* Linn.) flowers extract for anti-wrinkles application. *International*

- Journal of Pharmacy and Pharmaceutical Sciences 6(5): 309-313. (Impact Factor 1.59, SCImago, SJR 2012)
7. **Jantrawut P**, Akazawa H, Ruksiriwanich W. (2014) Anti-cancer activity of rutin encapsulated in low methoxyl pectin beads. International Journal of Pharmacy and Pharmaceutical Sciences 6(3): 199-202. (Impact Factor 1.59, SCImago, SJR 2012)
 8. Leelapornpisid P, Kiattisin K, **Jantrawut P**, Phrutivorapongkul A. (2014) Nanoemulsion loaded with Marigold flower extract (*Tagetes erecta* Linn.) in gel preparation as anti-wrinkles cosmeceutical. International Journal of Pharmacy and Pharmaceutical Sciences 6(2): 231-236. (Impact Factor 1.59, SCImago, SJR 2012)
 9. Ruksiriwanich W, Sringarm K, **Jantrawut P**. (2014) Stability enhancement of *Celastrus paniculatus* seed oil by loading in niosomes. Asian Journal of Pharmaceutical and clinical research 7(2): 186-191. (Impact Factor 0.7, SCImago, SJR 2012)
 10. Ruksiriwanich W, Sirithunyalug J, Boonpisuttinant K, **Jantrawut P**. (2014) Potent *in vitro* collagen biosynthesis stimulating and antioxidant activities of edible mushroom *Volvariella volvacea* aqueous extract. International Journal of Pharmacy and Pharmaceutical Sciences 6(suppl 2): 406-412. (Impact Factor 1.59, SCImago, SJR 2012)
 11. **Jantrawut P**, Assifaoui A, Chambin O. (2013) Influence of low methoxyl pectin gel textures and *in vitro* release of rutin from calcium pectinate beads. Carbohydrate Polymer 97: 335-342 (Impact Factor 3.479).
 12. Phrutivorapongkul A, Kiattisin K, **Jantrawut P**, Chansakaow S, Vejabhikul S, Leelapornpisid P. (2013) Appraisal of biological activities and identification of phenolic compound of African marigold (*Tagetes erecta*) flower extract. Pakistan Journal of Pharmaceutical Sciences 26: 1071-1076.
 13. Kiattisin K, Richard RW, **Jantrawut P**, Phrutivorapongkul A, Leelapornpisid P. (2013) Marigold flower extract loaded nanoemulsion by PTT technique for cosmetic application: Optimization and characterization. International Journal of Pharmaceutical Sciences 5: 2090-2101.
 14. Manosroi A, **Jantrawut P**, Eri O, Yamamoto A, Fukutsu M, Yasukawa K, Tokuda H, Suzuki N, Manosroi J, Akihisa T. (2013) Biological activities of phenolic

- compounds and triterpenoids from the galls of *Terminalia chebula*. Chemistry & Biodiversity 10: 1448-1463 (Impact Factor 1.808).
15. Manosroi A, **Jantrawut P**, Sainakam M, Manosroi W, Manosroi J (2012): Anticancer activities of the extract from Longkong (*Lansium domesticum*) young fruits. Pharmaceutical Biology 50: 1397-1407 (Impact Factor 0.672).
 16. Manosroi A, **Jantrawut P**, Manosroi J (2011): Application of elastic nanovesicles for commercialized product development from natural product selected from "Manosroi II" Database. Translational Research for Pharmaceutical Industry. Proceeding: 207-219.
 17. Manosroi A, **Jantrawut P**, Akihisa T, Manosroi W, Manosroi J (2011): *In vitro* and *in vivo* skin anti-aging evaluation of gel containing niosomes loaded with semi-purified fraction containing gallic acid from *Terminalia chebula* galls. Pharmaceutical Biology 49: 1190-1203 (Impact Factor 0.672).
 18. Manosroi A, **Jantrawut P**, Akazawa H, Akihisa T, Manosroi W, Manosroi J (2011): Transdermal absorption enhancement of gel containing elastic niosomes loaded with gallic acid from *Terminalia chebula* galls. Pharmaceutical Biology 49: 553-562 (Impact Factor 0.672).
 19. Manosroi A, **Jantrawut P**, Akazawa H, Akihisa T, Manosroi J (2010): Biological activities of phenolic compounds isolated from galls of *Terminalia chebula* Retz. (Combretaceae). Natural Product Research 24: 1915-1926 (Impact Factor 0.782).
 20. Manosroi A, **Jantrawut P**, Akihisa T, Manosroi W, Manosroi J (2010): *In vitro* anti-aging activities of *Terminalia chebula* gall extract. Pharmaceutical Biology 48: 496-481 (Impact Factor 0.488).
 21. Manosroi A, **Jantrawut P**, Manosroi J (2008): Anti-inflammatory activity of gel containing novel elastic niosomes entrapped with diclofenac diethylammonium. International Journal of Pharmaceutics 360:156-163 (Impact Factor 2.212).

International scientific presentations:

1. Ruksiriwanish W and **Jantrawut P**. Transdermal absorption enhancement of gel containing niosomes loaded with *Volvariella volvacea* extract. Drug Discovery & Therapy World Congress 2014. June 16-19, 2014, Boston, USA (Oral presentation).
2. **Jantrawut P**, Ruksiriwanish W and Chambin O. Scavenging activity of rutin encapsulated in low methoxyl pectin beads. International Conference on

Advanced Polymeric Materials (ICAPM 2013). October 11-13, 2013, Kerala, India (Oral presentation).

3. Ogiwara E, Akazawa H, Kikuchi T, Akihisa T, **Jantrawut P**, Manosroi W, Manosroi A and Manosroi J. Cytotoxic and apoptosis induction activities of tannins and triterpenoids from the *Terminalia chebula* gall (Japanese name: Mirobaran-noki). The 58th Annual Meeting of the Japanese Society of Pharmacognocny. September 23-25, 2011, Tokyo, Japan (Poster presentation).
4. Tanaka K, Ogiwara E, Akihisa T, Tokuda H, Suzuki N, **Jantrawut P**, Manosroi W, Manosroi A and Manosroi J. Bioactivities of tannins from the *Terminalia chebula* gall (Japanese name: Mirobaran-noki). The 58th Annual Meeting of the Japanese Society of Pharmacognocny. September 23-25, 2011, Tokyo, Japan (Poster presentation).
5. **Jantrawut P**, Manosroi J, Akihisa T, Manosroi W and Manosroi A. Development of elastic nanovesicular formulations loaded with extracts containing bioactive compounds from Thai medicinal plants for topical anti-aging, Liposomes in Jerusalem 2011, May 15-19, 2011, Maale Hachmisha Hotel, Jerusalem, Israel (Poster presentation).
6. **Jantrawut P**, Manosroi J, Akihisa T, Manosroi W and Manosroi A. Skin anti-aging evaluation of *Terminalia chebula* galls extract. The 3rd International Conference on Natural Products for Health and Beauty (NATPRO 3), March 16-18, 2011, Emeral Hotel, Bangkok, Thailand (Oral presentation).
7. **Jantrawut P**, Hiroyuki A, Toshihiro A, Manosroi J, Manosroi A. Free radical scavenging activities of phenolic compounds from gall extracts of *Terminalia chebula*. The 48th Annual Meeting of the Japan Oil Chemists' Society, September 10-12, 2009, Nagoya Institute of Technology, Nagoya, Japan (Oral presentation).
8. Manosroi A, **Jantrawut P**, Manosroi J. *In vitro* anti-aging activities of Thai Lanna medicinal plant extracts. The Second International Conference on Natural Products for Health and Beauty (2nd NATPRO 2008) December 17-19, 2008 Naraesuan University at Phayao, Thailand (Poster presentation).
9. Manosroi A, **Jantrawut P**, Manosroi J. Development of novel elastic niosome for a topical anti-inflammatory drug delivery. The 11th liposome Research Days Conference (LRD 2008), July 19-22, 2008, Yukohama, Japan (Oral presentation).
10. Manosroi A, **Jantrawut P**, Manosroi J. Development of tropical formulation containing aromatic oil and extracts from medicinal plants for sprain and pain.

International Workshop on Medicinal and Aromatic Plants, January 15-18, 2007,
Lotus Pang Suan Kaew Hotel, Chiang Mai, Thailand (Poster presentation).