

## Curriculum Vitae

ชื่อ - นามสกุล (ภาษาไทย) อ.ดร. สุภาวดี สืบศาสนา

ชื่อ - นามสกุล (ภาษาอังกฤษ) Dr. Supawadee Seubsasana

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### EDUCATION

- Ph.D. (Research and Development in Pharmaceuticals), Khon Kaen University, Thailand
- M. Pharm. (Community Pharmacy), Naresuan University, Thailand.
- B. Pharm. (Pharmacy), Rangsit University, Thailand.

### RESEARCH INTERESTS

- Quality Control of Drugs and Standardization of Medicinal Plants.
- Medicinal Chemistry in Drug discovery.
- Biological Testing in Fields of Antiviral and Antibacterial.

### PUBLICATIONS

#### Research publications

1. Chuerduangphui J., Nukpook T., Pientong C., Aromdee C., **Suebsasana S.**, Khunkitti W., So-in C., Proyrungroj K., Ekalaksananan T. Activity of 3,19-isopropylidiny l andrographolide against herpes simplex virus type 1 in an animal model. *Antiviral Chemistry and Chemotherapy*. 2022; 30, 1-7.
2. Malat P., Ekalaksananan T., Heawchaiyaphum C., **Suebsasana S.**, Roytrakul S., Roytrakul S., Yingchutrakul Y., Pientong C. Andrographolide Inhibits Epstein-Barr Virus Lytic Reactivation in EBV-Positive Cancer Cell Lines through the Modulation of Epigenetic-Related Proteins. *Molecules*. 2022; 27(14), 4666, 1-12.
3. Malat P., Ekalaksananan T., Heawchaiyaphum C., **Suebsasana S.**, Roytrakul S., Yingchutrakul Y., Pientong C. Andrographolide Inhibits Lytic Reactivation of Epstein-Barr Virus by Modulating Transcription Factors in Gastric Cancer. *Microorganisms*. 2021; 9(2561), 1-15.
4. Udomwan P., Pientong C., Tongchai P., Burassakarn A., Sunthamala N., Roytrakul S., **Suebsasana S.** Ekalaksananan T. Proteomics Analysis of Andrographolide-Induced Apoptosis Via the Regulation of Tumor Suppressor p53 Proteolysis in Cervical Cancer-Derived Human

- Papillomavirus 16-Positive Cell Lines. International Journal of Molecular Sciences. 2021; 22(6806), 1-17.
5. Aiemsaard J., Kamollerd C., **Seubsasana S.**, Thongkham E., Vonghataipaisarn P. (2021). Enhanced antibacterial activity of cephalexin by lemongrass essential oil (*Cymbopogon citratus*) against *Staphylococcus pseudintermedius* isolated from dogs with superficial pyoderma. ScienceAsia. 2021; 47, 1-8.
  6. Aiemsaard J., Kamollerd C., **Seubsasana S.**, Thongkham E., Vonghataipaisarn P. Lemongrass essential oil enhances antibacterial activity of cephalexin against *Staphylococcus pseudintermedius* isolated from dogs with superficial pyoderma. ScienceAsia. 2021; 42, 690-697.
  7. Yasiri A. and **Seubsasana S.** Isolation of bile salt hydrolase and uricase producing *Lactobacillus brevis* SF121 from Pak Sian Dong Zfermented spider plant) for using as probiotics. Journal of Pure and Applied Microbiology. 2020; 14(3) : 1715-1722.
  8. Yasiri A., Vannaxay E., Kiatmontri J., **Seubsasana S.** Isolation and determination of bile salt hydrolase-producing lactic acid bacteria from fermented spider plant. Journal of Pure and Applied Microbiology. 2018; 12(3) : 1055-1060.
  9. Kongyingyoes B., Priengprom T., Pientong C., Aromdee C., **Suebsasana S.**, Ekalaksananan T. 3, 19-isopropylideneandrographolide suppresses early gene expression of drug-resistant and wild type herpes simplex viruses. Antiviral Research. 2016; 132: 687-96.
  10. Ekalaksananan T, Sookmai W, Fangkham S, Pientong C, Aromdee C, **Seubsasana S**, Kongyingyoes B. Activity of andrographolide and its derivatives on HPV16 pseudovirus infection and viral oncogene expression in cervical carcinoma cells. Nutrition and Cancer. 2015; 67(4):687-96.
  11. Priengprom T, Ekalaksananan T, Kongyingyoes B, **Seubsasana S**, Aromdee C, Pientong C. Synergistic effects of acyclovir and 3,19-isopropylideneandrographolide on herpes simplex virus wild types and drug-resistant strains. BMC Complementary and Alternative Medicine. 2015; 15(1): 591.
  12. Priengprom T, Ekalaksananan T, Pientong C, Kongyingyoes B, **Suebsasana S**, Aromdee C. Proceeding of Activities of 3,19-isopropylideneandrographolide against *drug-resistant herpes simplex virus type 1 strains*. Srinagarind Med J. 2012; 27: 147-149.
  13. Pientong C, Ekalaksananan T, Sookmai W, Aromdee C, **Seubsasana S**, Sakdarat S, Kongyingyoes B. Modulated expression of toll-like receptors in human keratinocyte by compounds extracted from *Andrographis paniculata* and *Clinacanthus nutans*. Natural

- Products Research and Development Center (NPRDC), Science and Technology Research Institute (STRI). Thailand. 28-30 Nov 2012.
14. Ekalaksananan T, Sookmai W, Pientong C, Aromdee C, **Seubsasana S**, Kongyingyoes B. Andrographolide compounds exhibit anti-HPV16 pseudovirus infectivity. Natural Products Research and Development Center (NPRDC), Science and Technology Research Institute (STRI). Thailand. 28-30 Nov 2012.
  15. Arkaravichien T, Sattayasai J, Aromdee C, **Seubsasana S**, Soga T, Parhar I. Andrographolide increases ejaculation frequency in male rat. Natural Products Research and Development Center (NPRDC), Science and Technology Research Institute (STRI). Thailand. 28-30 Nov 2012.
  16. **Seubsasana S**, Aromdee C, Ekalaksananan T, Pientong C, Thongchai S. A potential andrographolide analogues the replication of *Herpes simplex* virus type 1 in *Vero* cells. *Medicinal Chemistry*. 2011; 7: 237-244.
  17. Aromdee C, **Seubsasana S**, Ekalaksananan T, Pientong C, Thongchai S. Stage of action of naturally occurring andrographolide and their semi-synthetic analogues against *Herpes simplex* virus type 1 *in vitro*. *Planta Medica*. 2011; 77(9): 915-921.
  18. Aromdee C, **Seubsasana S**, Sriubolmas N, Wiyakrutta S, Khunkitti W. Effect of the derivatives of andrographolide on the morphology of *B. subtilis*. *Archives of Pharmacal Research*. 2011; 108(1): 7-14.
  19. **Seubsasana S**, Ekalaksananan T, Pientong C, Aromdee C. (2010, January 21-23). High-performance liquid chromatography method for andrographolide analogues used for anti-herpes simplex virus type-1 agents. *Proceeding of the Pure and Applied Chemistry International Conference (PACCON2010)*. Thailand: 1020-1022.
  20. **Seubsasana S**, Pongnaratorn P, Sattayasai J, Arkaravichien T, Tiamkao S. Analgesic, antipyretic, anti-inflammatory, and toxic effects of andrographolide derivatives in experimental animals. *Arch Pharm Res*. 2009; 32(9): 1191-1200.
  21. Thongchai S., Ekalaksananan T., Pientong C., Aromdee C., **Seubsasana S.**, Sukpol C., Kongyingyoes B. Anti-herpes Simplex Virus type 1 Activity of Crude Ethyl Acetate Extract Derived from Leaves of *Clinacanthus nutans* Lindau. *Journal of Science and Technology Mahasarakham University*. 2008: 27(4): 318-326.

### Book chapters / review articles

- บทความ “Antioxidants จากธรรมชาติเพื่อการชะลอวัย” หนังสือชื่อ ความก้าวหน้าทางผลิตภัณฑ์ธรรมชาติ และเวชสำอางเพื่อการชะลอวัย (Advances in Natural products and Cosmeceuticals for Anti-aging)